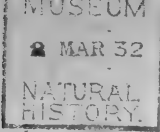






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# University College of Wales

ABERYSTWYTH.



## REPORTS

SUBMITTED TO THE

COURT OF GOVERNORS,

OCTOBER 21st, 1931.

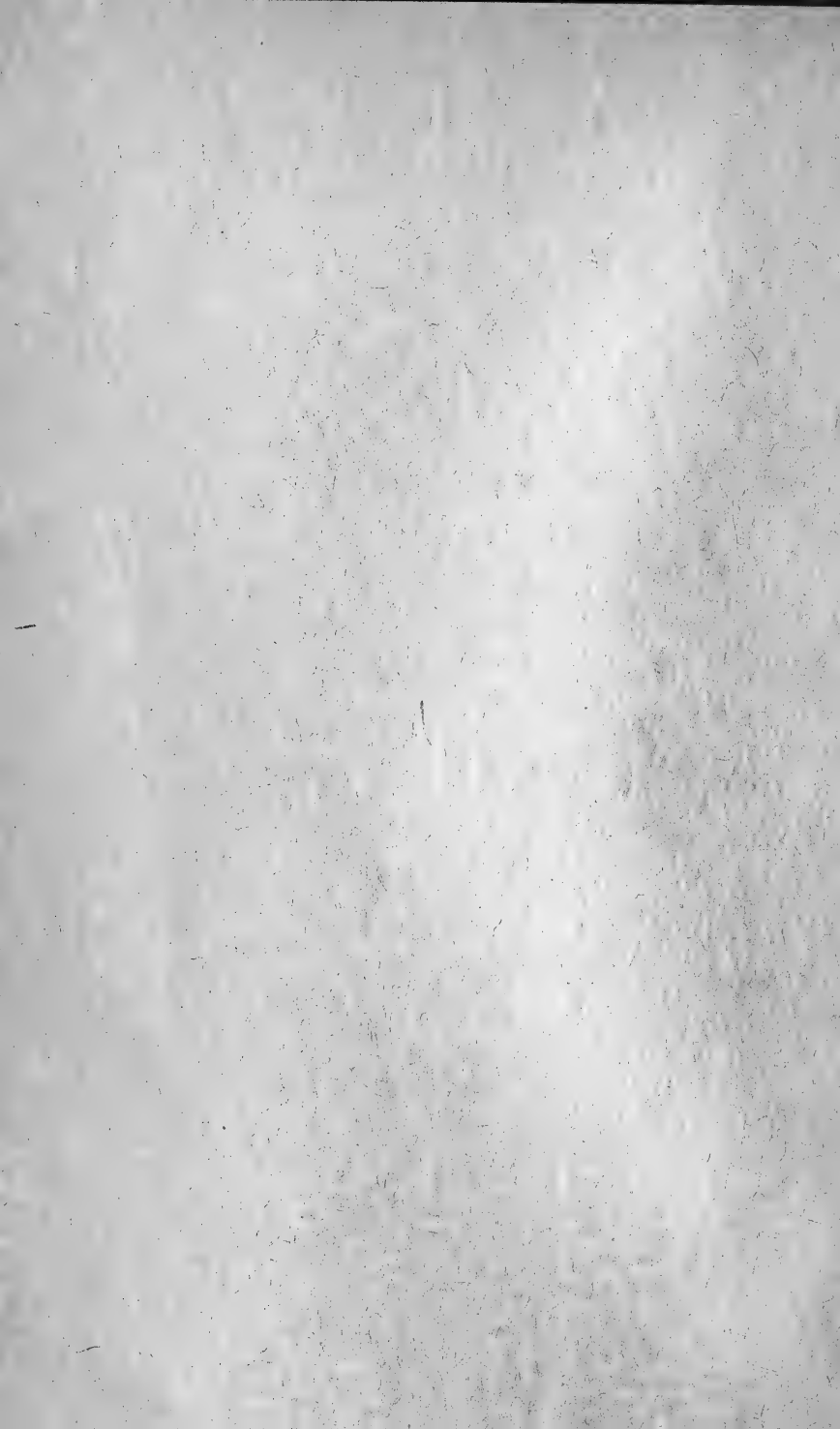
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1931.

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FEBRUARY, 1932.  
1,500.

Price 1/-



# University College of Wales

ABERYSTWYTH.



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NOTE.—*These Reports are issued in lieu of the College Calendar for the Sixtieth Session, 1931-32.*

EXTRACT FROM THE LATE MR. W. E. GLADSTONE'S  
SPEECH AT NOTTINGHAM.

The *Times* of September 28th, 1877.

Let me point to another case with which I am personally acquainted, to show you that wherever primary education is loved, the higher education must be loved and taught also. I speak of the country of Wales, in which I have the happiness to spend a large portion of my time ; and there is no part of the population of the country—and I say it freely and boldly in your hearing—there are few parts which can compete with Wales, and there is no part which can exceed it, from one end of the island to the other, in the earnest, ardent, and, I may say, passionate love for instruction. They are a religious people, and a people deeply enamoured of knowledge, and what they have done has been done with very little assistance. With no assistance at all from any public fund of any kind, they have, within the last five or six years, founded a large and important College at Aberystwyth. Is it possible for you to have a stronger proof that the existence of a love for primary education does lead on, and must lead on, to every great effort for the establishment of higher education ?

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I give and bequeath to the Treasurers, for the time being, of the University College of Wales, Aberystwyth, the sum of \_\_\_\_\_ (Free of Legacy Duty) for the purposes of the said College, out of such part only of my personal estate as may lawfully be bequeathed for charitable purposes, and preferable to all payments thereout ; for which Legacy the receipt of the Treasurers, for the time being, of the said College shall be a sufficient discharge to my Executors.

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I give and bequeath all (or if so intended one equal share of) the residue of such part of my personal estate as I may lawfully bequeath for charitable purposes unto the Treasurers, for the time being, of the University College of Wales, Aberystwyth, for the purposes of the said College, and I direct that the receipt of such Treasurers shall be a sufficient discharge for the same.



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Instructress in Needlework: MISS L. M. DAVIES, B.A. (Wales); (Trained Certificated Teacher).
- Economics and Political Science** .. } Professor: R. B. FORRESTER, M.A. (Edin.), M. Com. (Manch.).  
Lecturer: PERCY GEORGE, M.A., of Gonville and Caius College, Cambridge, M.Sc., (Wales).  
Assistant Lecturer: J. MORRIS, B.Sc. (Econ.) (Lond.).
- Palaeography and Diplomatics** ..... Lecturer: Professor E. A. LEWIS.
- Wilson Chair of International Politics**... } Professor: C. K. WEBSTER, M.A., Litt.D. (Cantab.), F.B.A.  
Assistant Lecturers: JIRI F. VRANEK, B.A. (St. John's, Annapolis), Ph.D. (Prague); Mrs. L. F. VRANEK, B.Sc. (Econ.), (Lond.).
- Music** ..... } Professor: D. J. DE LLOYD, B.A., B.Mus. (Wales), Mus. Doc. (Dublin).  
Assistant Lecturer: CHARLES CLEMENTS, B.Mus. (Wales), F.R.C.O.  
Supervisor of Instrumental Studies: ARTHUR WILLIAMS.  
The Assistant Staff of Executants and Teachers includes:—  
MISS EVELYN COOKE, (Violin and Viola).  
WILLIAM R. ALLEN, A.R.C.M., Tagore Gold Medallist, Royal College of Music. (Singing).  
A. C. EDWARDS, Mus. Bac. (Oxon.), F.R.C.O. (Organ).  
CHARLES PANCHEN, L.R.A.M., (Reading, Ear-Training, Rudiments).  
G. STEPHEN EVANS, A.R.C.O. (Class-Singing, Choir Conducting).  
J. T. REES, Mus. Bac. (Tor.), (Harmony, Counterpoint).

- Pure Mathematics ...** { Independent Lecturer and Head of Department:  
V. C. MORTON, M.A. (Oxon.).  
Lecturer: W. G. L. SUTTON, M.A., of Jesus  
College, Oxford.  
Assistant Lecturer: D. R. WILLIAMS, M.A.  
(Wales), Ph.D. (Strasbourg).
- Applied Mathematics...** { Professor: G. A. SCHOTT, B.A., of Trinity  
College, Cambridge, D.Sc. (Lond.), F.R.S.  
Lecturers: W. G. L. SUTTON, M.A., of Jesus  
College, Oxford. THOMAS LEWIS, M.Sc. (Wales).
- Law .....** { Professor: T. ARTHUR LEVI, M.A., B.C.L., of  
Lincoln College, Oxford, LL.B. (Lond.); and of  
the Inner Temple, Barrister-at-Law.  
Special Lecturers (under Solicitors' Act, 1922):  
J. VICTOR EVANS, M.A., of St. John's College,  
Oxford; and of the Inner Temple, Barrister-at-  
Law; R. A. WING, B.A., LL.B. of Trinity Hall,  
Cambridge.  
Assistant Lecturer: VYRNWY J. LEWIS,  
B.A., LL.B. (Wales).
- Physics .....** { Professor: GWILYM OWEN, M.A. (Cantab.), M.Sc.  
(Manchester), D.Sc. (Liverpool).  
Professor (*Emeritus*): D. MORGAN LEWIS, M.A.,  
of Trinity College, Cambridge.  
Assistant Lecturers and Demonstrators: R. M.  
DAVIES, M.Sc. (Wales); I. C. JONES, M.Sc.  
(Wales); EMLYN STEPHENS, M.Sc., Ph.D.  
(Wales).  
Technical Assistant: L. E. SULSTON, A.I.E.E.
- Chemistry .....** { Professor: T. CAMPBELL JAMES, M.A. (Cantab.),  
D.Sc. (Wales), F.I.C.  
Senior Lecturers: C. R. BURY, M.A., B.Sc., of  
Trinity College, Oxford; L. J. HUDLESTON,  
M.C., B.Sc. (Lond.).  
Assistant Lecturer and Demonstrator: D.  
MATTHEW WILLIAMS, B.Sc., Ph.D. (Wales).  
Part-time Assistant: D. GWYNNE DAVIES,  
B.Sc. (Wales).
- Zoology  
(including Agricul-  
tural Zoology) ....** { Professor: R. DOUGLAS LAURIE, M.A., of Merton  
College, Oxford.  
Lecturer: E. E. WATKIN, B.Sc., Ph.D. (Wales).  
Assistant Lecturer and Demonstrator: Miss F. G.  
REES, B.Sc., Ph.D. (Wales).  
Special Lecturer in Entomology: J. R. W.  
JENKINS, M.Sc. (Wales).  
Hon. Lecturer in Oceanography: J. TRAVIS  
JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Superin-  
tendent of the Lancashire and Western Sea  
Fisheries.
- Geography and  
Anthropology ....** { Professor: C. DARYLL FORDE, B.A., Ph.D. (Lond.).  
Special Lecturer in Geography: W. E. WHITE-  
HOUSE, M.Sc. (Wales), late Gilchrist Student in  
Geography.  
Assistant Lecturers and Demonstrators: E. G.  
BOWEN, M.A. (Wales); WALTER FOGG, M.A.  
(Manchester).  
Hon. Lecturer in Oceanography: J. TRAVIS  
JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Super-  
intendent of the Lancashire and Western Sea  
Fisheries.

- Botany ..... { Professor: Mrs. L. NEWTON, M.Sc., Ph.D. (Bristol).  
 Lecturer and Demonstrator: E. H. CHATER, B.Sc. (Lond.).  
 Assistant Lecturer and Demonstrator: P. W. CARTER, M.Sc. (Wales).  
 Demonstrator: C. G. DOBBS, B.Sc. (Lond.).
- Geology ..... { Professor: H. P. LEWIS, M.A. (Cantab.).  
 Lecturers: J. CHALLINOR, M.A., of Trinity College, Cambridge; J. I. PLATT, M.Sc. (Manchester).
- Agriculture ..... } Professor: J. JONES GRIFFITH, B.Sc. (Wales).  
 Lecturer: RICHARD PHILLIPS, M.Sc. (Wales).
- Agricultural Chemistry ..... } Professor: T. W. FAGAN, M.A. (Cantab.), F.I.C.  
 Lecturer: R. O. DAVIES, M.Sc. (Wales).
- Agricultural Economics ..... } Professor: A. W. ASHBY, Hon. M.A. (Oxon).
- Agricultural Botany .. { Professor: R. G. STAPLEDON, M.B.E., M.A., of Emmanuel College, Cambridge.  
 Lecturer: Miss K. SAMPSON, M.Sc. (Lond.).  
 Assistant Lecturer: Miss ANNIE A. POULTER, B.Sc. (Reading).
- Advisory Chemist .. Professor T. W. FAGAN, M.A. (Cantab.), F.I.C.
- Advisory Economics .. { Adviser: Professor A. W. ASHBY, Hon. M.A. (Oxon).  
*Farm Management and Accounting.*  
 Assistant Adviser: J. PRYSE HOWELL, M.Sc. (Wales).  
 Technical Assistant: W. H. JONES, B.Sc. (Wales).  
*Marketing.*  
 Marketing Assistants: J. LLEFELYS DAVIES, M.Sc. (Wales.); J. GLYNNE WILLIAMS, B.Sc. (Wales.), M.S. (Wisconsin).
- Advisor in Agricultural Zoology } J. R. W. JENKINS, M.Sc. (Wales).
- Advisory Mycologist .. D. W. DAVIES, B.Sc. (Wales).
- Advisory Dairy Bacteriologist ..... } S. B. THOMAS, M.Sc. (Wales).
- Director of College Farm ..... } Professor J. JONES GRIFFITH, B.Sc. (Wales).
- Agricultural Book-keeping. .... } Instructor: E. B. HICKS, A.S.A.A.
- Dairying ..... { Instructor: G. T. MORGAN, N.D.A., N.D.D.  
 Assistant Instructress (*temporary*): Miss H. JONES, N.D.D.
- Veterinary Hygiene .. Instructor: A. PARRY, M.R.C.V.S.
- Land Surveying, Agricultural Drawing and Building Construction ..... } Instructor: G. T. BASSETT, A.R.I.B.A.
- Engineering ..... Instructor: R. PHILLIPS, M.Sc. (Wales), A.I.C.



- Welsh Plant Breeding Station** } Director: Professor R. G. STAPLEDON, M.B.E., M.A.  
 Research Workers in charge of Investigations: T. J. JENKIN, M.Sc. (Wales); R. D. WILLIAMS, M.Sc. (Wales); E. T. JONES, M.Sc. (Wales); WILLIAM DAVIES, M.Sc. (Wales); GWILYM EVANS, B.Sc. (Wales); LL. IORWERTH JONES, B.Sc. (Wales).  
 Plant Physiologist: H. G. CHIPPINDALE, M.Sc. (Manch.).  
 Grassland Adviser: M. T. THOMAS, B.Sc. (Wales).  
 Assistants: A. R. BEDDOWS, B.Sc. (Wales); W. E. J. MILTON, N.D.A.; R. A. SILOW, B.Sc. (Reading); T. E. JONES, N.D.D.  
 Consulting Statistician: PERCY GEORGE, M.A. (Cantab.), M.Sc. (Wales).  
 Translator: Miss RHODA JONES, B.A. (Wales).  
 Superintendent of Farm and Gardens: J. W. WATKINS.
- County Organisers of Agricultural Education** } *Breconshire and Radnorshire*: DAVID THOMAS, Dip. Agri., U.C.W.  
 Assistant: WILLIAM EVANS, B.Sc. (Wales), N.D.D.  
*Cardiganshire*: D. J. MORGAN, B.Sc. (Wales).  
*Carmarthenshire*: Principal J. LEWIS LLOYD, M.Sc. (Wales); Vice-Principal A. D. THOMAS, B.Sc. (Wales), of the Pibwrlwyd Farm Institute.  
*Merionethshire*: MOSES GRIFFITH, M.Sc. (Wales), Assistant: E. E. WILLIAMS, B.Sc. (Wales).  
*Montgomeryshire*: J. L. JOHN, B.Sc. (Wales).  
*Pembrokeshire*: W. E. D. JONES, M.A. (Cantab.)
- Art**..... } Lecturer in Art and Crafts: DAN R. JONES, M.A. (Wales), A.R.C.A., A.M.C.
- Physical Training ...** } Instructors: Major H. F. STIMSON, Diploma of Sheffield Physical Training College; MISS B. G. ARNOLD, Diploma of Bedford Physical Training College.
- Department of Extra-Mural Studies.** } Director: The Reverend HERBERT MORGAN, M.A. (Oxon.), B.A. (Wales).  
 Staff Tutor: T. HUGHES GRIFFITHS, M.A. (Wales).  
 Residential Tutor for Rural Areas: D. HUGHES LEWIS, B.A. (Wales).  
 Part-time Tutors: J. LLEFELYS DAVIES, M.Sc. (Wales); DAN DAVIES, M.A. (Wales), Ph.D. (Glas.); The Rev. T. EIRUG DAVIES, M.A., B.D. (Wales); IFAN AB OWEN EDWARDS, M.A. (Wales and Oxon.); The Rev. D. J. EVANS, B.A., B.D. (Wales); A. HAYDN JONES, M.Mus. (Wales); The Rev. D. JAMES JONES, M.A. (Wales); The Rev. FRED JONES, B.A., B.D. (Wales); Dr. GWENAN JONES, M.A. (Wales); IDWAL JONES, B.A. (Wales); The Rev. O. H. JONES, M.A. (Oxon.), B.D. (Wales); Professor W. JENKYN JONES, M.A. (Cantab.); THOMAS LEWIS, B.Sc. (Wales), M.S. (Wis.); The Rev. WALDO LEWIS, B.A. (Wales); The Rev. J. DYFNALLT OWEN, M.A. (Wales); J. T. OWEN, M.A. (Wales); R. RICHARDS, B.A. (Cantab.); D. C. ROBERTS, B.A. (Wales); D. W. ROBERTS, B.Sc. (Lond.); B. B. THOMAS, M.A. (Oxon.); T. GLANVILLE WILLIAMS, M.Sc. (Wales); Professor W. R. WILLIAMS, B.A. (Wales), M.A. (Oxon.).

**ADMINISTRATION.**

Chairman of the Faculty of Arts: E. D. T. JENKINS, M.A. (Oxon.).

Chairman of the Faculty of Science: V. C. MORTON, M.A. (Oxon.).

**SECRETARY'S DEPARTMENT.**

Secretary	E. B. Hicks, A.S.A.A.
Cashier and Chief Clerk	R. Jones.
Confidential Clerk	W. Lewis.
Clerk	E. Hamer.
Clerk	Ll. T. Jones.
Clerk	Ll. Roberts.
Junior Clerk	H. Oliver.
Office Boys	D. H. Jenkins.
	J. W. Hughes.

**ACADEMIC SECRETARY'S DEPARTMENT.**

Academic Secretary	G. J. Walker.
Academic Clerk	Miss M. M. Evans, B.A. (Wales).
Clerk	J. C. Davies.

**AGRICULTURAL DEPARTMENT.**

Clerk	A. Pugh.
Junior Clerk	S. Jenkins.
Office Boys	D. R. Evans.
	Norman Humphreys.

**AGRICULTURAL ECONOMICS DEPARTMENT.**

Clerk	G. O. Williams.
Clerk	D. B. Garner.
Statistical Assistant	Miss D. Davies.
Junior Clerk	Brinley Jones.

**WELSH PLANT BREEDING STATION.**

Secretary	J. O. Parry-Williams.
Recorder	Miss Irene D. Rees.
Clerk	Miss Morfudd A. M. Peate.

**INTERNATIONAL POLITICS DEPARTMENT.**

Clerk	Miss J. E. Morris.
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**GEOGRAPHY DEPARTMENT.**

Clerical Assistant	Miss Hilda Edwards.
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**ECONOMICS DEPARTMENT.**

Clerical Assistant	Miss C. G. Hughes.
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**College Library.**

Senior Librarian	J. D. Williams, B.A. (Wales).
Junior Librarian	Miss E. C. Felstead, F.L.A.
Assistant Cataloguer	Miss E. M. Harris.
Assistant	Miss N. Meredith.

**Wardens of the Halls of Residence for Women Students.**

Senior Warden and Warden of Alexandra Hall .....	Mrs. K. GUTHKELCH, B.A. (Lond.).
Warden of Carpenter Hall .....	Miss C. J. MACGREGOR.
Warden of Plynlymon Hall .....	Mrs. E. C. HART.

# REPORT

1930—1931.

The Council have much pleasure in presenting the Report of the work of the College in its several Departments during the year ending 30th June, 1931, and, as usual, begin with—

## THE PRINCIPAL'S REPORT.

It is my duty, in the first place, to follow the practice of former years by presenting to the Council the following tabulated statements :—

### I.

1. Number of students at opening of session, Michaelmas Term, 1931 .. .. .	764
2. Number of students at the beginning of Michaelmas Term, 1930 .. .. .	735
3. Number of new students at the beginning of Michaelmas Term, 1931 (143 men ; 79 women) .. .. .	222
4. Number of new students at the beginning of Michaelmas Term, 1930 (124 men, 76 women) .. .. .	200
5. Number of women students at the beginning of Session 1931—1932 .. .. .	275
6. Number of women students at the beginning of Session 1930—1931 .. .. .	288

## II. Number of Students from the various Counties in Wales and from Monmouthshire :—

### (1) NORTH WALES :—

	Session 1926	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931
Anglesey .. .. .	—	1	2	2	1	1
Caernarvonshire .. .. .	19	16	18	19	22	18
Denbighshire .. .. .	23	22	22	28	33	31
Flintshire .. .. .	6	6	7	9	8	6
Merionethshire .. .. .	27	34	29	30	27	25
Montgomeryshire .. .. .	33	29	39	28	33	35
	—108	—108	—117	—116	—124	—116

## (2) SOUTH WALES AND MONMOUTHSHIRE :—

	Session 1926	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931
Breconshire .. ..	21	13	11	12	13	20
Cardiganshire .. ..	114	114	119	116	109	119
Carmarthenshire .. ..	93	88	89	91	108	116
Glamorganshire .. ..	199	193	201	225	221	237
Pembrokeshire .. ..	40	39	37	34	30	30
Radnorshire .. ..	10	9	4	5	3	5
Monmouthshire .. ..	48	47	51	55	61	76
	—525	—503	—512	—538	—545	—603

## (3) ADD TO THESE :—

	Session 1926	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931
From England, including Welsh and English students ..	61	63	50	54	50	34
From Scotland .. ..	1	1	1	—	—	—
„ Ireland .. ..	—	2	—	—	—	—
„ India .. ..	3	4	6	13	14	9
„ Burma .. ..	1	—	—	—	—	2
„ Canada .. ..	—	—	—	1	1	—
„ Spain .. ..	1	1	—	—	—	—
„ Hungary .. ..	1	1	1	—	—	—
„ Serbia .. ..	1	—	—	—	—	—
„ New Zealand .. ..	—	1	—	—	1	—
„ U.S.A. .. ..	—	—	1	—	—	—
„ Germany .. ..	—	—	—	1	—	—
	—69	—73	—59	—69	—66	—45
	702	684	688	723	735	764
Students taking Short Course in Agriculture .. ..	18	10	21	18	12	14
	720	694	709	741	747	778

## III. Summary of the number of students in the various classes for Session 1931-32 :—

Greek, 30. Latin, 92. English, 168. History and Colonial History, 155. Economics, 141. Welsh, 97. Welsh Literature, 10. French, 101. German, 91+20. Philosophy, 87. Education, 27. Pure Mathematics, 91. Applied Mathematics, 38. Chemistry, 71. Physics, 69. Botany, 82. Zoology, 66. Geology, 112. Geography, 121. Agriculture, 40. Agricultural Chemistry, 35. Agricultural Botany, 35. Agricultural Economics, 9. Law, 36. Music, 49. Dairying, 11. Agricultural Short Course, 14. International Politics, 8. Art and Handicraft (Training Students, 108), 119. Training Department, 317.

## IV. The number of Students taking complete University Courses is 630 (First Degree 592, Post Graduate 38).

A.—Grants out of the Travelling Scholarship Fund were made to the following:—

<i>Latin :</i>	Brynmor Jones, B.A. .. .. .	£15
	Thomas Jones .. .. .	£15
	Luther John Saer .. .. .	£15
<i>English :</i>	Dorothy Eiluned Vaughan Davies ..	£8
	Marjorie Edith Gibbon .. .. .	£10
	Edith Mary James .. .. .	£10
	Edith May Jones .. .. .	£10
	Enid Morfydd Prys Jones .. .. .	£7
	Sydney Dorothy Roberts .. .. .	£7
<i>Welsh :</i>	Isaac Davies .. .. .	£7
	Harold Meurig Evans .. .. .	£7
	Elizabeth Jane Griffiths .. .. .	£7
	Elizabeth Jones .. .. .	£7
	Mair Irene Rees .. .. .	£7
	Thomas Rhys Jones .. .. .	£7
	Ivor Gwynfil Rees .. .. .	£7
	Emiah Jane Thomas .. .. .	£7
<i>Welsh Literature :</i>	Benjamin George Owens .. .. .	£7
	Griffith Aled Williams .. .. .	£7
<i>French :</i>	Bridget Elfreda Lee Davies .. .. .	£10
	Aelwyn Davies .. .. .	£10
	Olive Mary Harries .. .. .	£10
	Anne Whittington Hughes .. .. .	£10
	Edward Gwilym Roberts .. .. .	£10
	Mabel Winifred Williams .. .. .	£10
	Tom Pugh Williams .. .. .	£10
<i>German :</i>	Marion Jane Davies .. .. .	£8
	Penderel James Evans .. .. .	£8
	Edgar Hiraethlyn Jones .. .. .	£12
	Louise Price Thomas .. .. .	£8
<i>History :</i>	Mary Annetta Jones .. .. .	£7
	Edith Irene Williams .. .. .	£7
	Frank Robert Lewis .. .. .	£7
<i>Economics :</i>	Barbara Broughton Frew .. .. .	£7
	Graham Hopper .. .. .	£7
	Robert Arnold Smith .. .. .	£10
<i>Economics and Geography :</i>	Edward Haydn Jones .. .. .	£7
<i>Law :</i>	Glanville Llewelyn Williams .. .. .	£10
<i>Education :</i>	Archibald Williams .. .. .	£8
<i>Geography :</i>	John Henry Cooper .. .. .	£12
	Howell Davies .. .. .	£10
	Leslie Wynn Evans .. .. .	£10
	William Alcwyn Evans .. .. .	£10
	John Brynmor Jarvis .. .. .	£10
	Haydn Jones .. .. .	£10
<i>Pure Mathematics :</i>	David Thomas Davies .. .. .	£10
	Reginald Horace Pitman .. .. .	£8
<i>Chemistry :</i>	John Idris Jones .. .. .	£10
<i>Physics :</i>	Albert James Gwynfryn Laramy ..	£10
<i>Botany :</i>	Rhiannon Pride .. .. .	£10
<i>Zoology :</i>	Evan Davies, B.Sc. .. .. .	£10
	Catherine Irene Evans .. .. .	£10
	Gwyneth Richards .. .. .	£10
	Gwenith Williams .. .. .	£10
	David Thomas Lewis .. .. .	£10
	David Charles Lloyd .. .. .	£10
	Edith Margaret Llewellyn .. .. .	£10
	Mary Dorothy Jones .. .. .	£10

B.—College Scholarships and Exhibitions were renewed to the following:—

*First Year, renewable for a Second Year.*

Garnet Rees <i>Price Davies Scholarship</i>	.. .. .	£25
Mansel Morris Davies <i>Dr. David Thomas Scholarship</i>	.. .. .	£25
Benjamin Royston Jones <i>Commerical Travellers Scholarship</i>	.. .. .	£20
Ivor John Sanders <i>Pritchard Scholarship</i>	.. .. .	£17
Ronald Hayes Hilborne <i>Sir Alfred Jones Scholarship</i>	.. .. .	£20
Arthur James Roderick <i>Sir Alfred Jones Scholarship</i>	.. .. .	£20
Ewan Perrins Wallis-Jones <i>Joseph Thomas Scholarship</i>	.. .. .	£17
David Ifor Jenkins <i>R. H. Richards Scholarship</i>	.. .. .	£20
Leslie Owen Williams <i>Lewis Thomas Scholarship</i>	.. .. .	£35
Cyril Charles Jones <i>Caterham Scholarship</i>	.. .. .	£25

*Second Year, renewable for a Third Year.*

John Idris Jones <i>David Davies Scholarship</i>	.. .. .	£40
Luther John Saer <i>Price Davies Scholarship</i>	.. .. .	£25
Frank Robert Lewis <i>Price Davies Scholarship</i>	.. .. .	£25
Merfyn Mechain Jones <i>Caterham Scholarship</i>	.. .. .	£25
Trefor Gwyn Humphreys Jones <i>Commercial Travellers Scholarship</i>	.. .. .	£20
Anne Whittington Hughes <i>Sir Alfred Jones Scholarship</i>	.. .. .	£20
Hywel Nadolig Ellis <i>R. H. Richards Scholarship</i>	.. .. .	£20
Ivor Charles Maxwell Richards <i>Joseph Thomas Scholarship</i>	.. .. .	£17

Frederick Grenville Roberts <i>Keeling Scholarship</i>	..	..	..	..	..	£25
Harold Meurig Evans <i>Elizabeth Davies Scholarship</i>	..	..	..	..	..	£20
Edward Gwilym Roberts <i>Mold Eisteddfod Scholarship</i>	..	..	..	..	..	£17
Anne Mary Jones <i>Pritchard Scholarship</i>	..	..	..	..	..	£17
Tom Pugh Williams <i>Ellis Eyton Scholarship</i>	..	..	..	..	..	£10
Emiah Jane Thomas <i>David Jenkins Scholarship</i>	..	..	..	..	..	£25
John Robert Jones <i>Mrs. Clarke Scholarship</i>	..	..	..	..	..	£45
Eirwen Jane Mainwaring Evans <i>Sir Alfred Jones Scholarship</i>	..	..	..	..	..	£20
William Howard Francis <i>Visitors Scholarship</i>	..	..	..	..	..	£10
Haydn Lewis <i>Robert Bryan Scholarship</i>	..	..	..	..	..	£50
Dewi Machreth Ellis <i>Caterham Scholarship</i> (renewed for 4th Year)	..				..	£25
Edith Irene Williams <i>Lilian Bowman Exhibition</i> (renewed for 4th year)	..				..	£10
Emiah Jane Thomas <i>Cynddelw Scholarship</i>	..	..	..	..	..	£30

C.—The following Exhibitions and Scholarships have been awarded for Session 1931-1932 on the results of the Entrance Scholarship Examination held in April last:—

*Open Scholarships.*

*David Davies Scholarship* (£40).—Trevor Lewis, Amman Valley County School.

*Commercial Travellers Scholarship* (£20).—David George Pryce, Pontywaun County School.

*Visitors Scholarship* (£25).—Hugh Clifford Gauge, Grove Park School, Wrexham.  
(For one Session.)

*Pritchard Scholarship* (£17).—Margaret Gwyneth Dilys Jones, Bargoed Girls Secondary School.

*Brereton Scholarship* (£10).—Gwyneth Hilda Presley, Pontypool County School.

*Price Davies Scholarships* (£25 each).—Raymond Kenneth James Grant,  
Mountain Ash Secondary  
School.  
Katharine Mairgretta Jones,  
Pwllheli County School.

*Closed Scholarships.*

*Sir Alfred Jones Scholarship* (£20).—Dilys Myfanwy Lewis, Gelligaer  
County School, Hengoed.

*Sir Alfred Jones Scholarship* (£20).—David George Stevens, Queen  
Elizabeth Grammar  
School, Carmarthen.

*David Morgan Thomas of Caterham Memorial Scholarship* (£25).—John  
Vernon Davies, Ardwyn  
School, Aberystwyth.

*Elizabeth Davies Scholarship* (£20).—Emrys Mervyn Jones, Llanelly  
County School.

*R. H. Richards Scholarship* (£20).—Thomas Idwal Davies, St. David's  
College School, Lampeter.

*Humphreys Owen Scholarship* (£18).—John Beddoes, Newtown County  
School.

*Edward Jones Scholarship* (£20).—Gwenllian Hughes, Ardwyn School,  
(For one session.) . . . Aberystwyth.

*Joseph Thomas Scholarship* (£17).—Angus John Brockhurst Higgins,  
Haverfordwest Grammar  
School.

*Perrott Scholarship* (£10).—Eira Mary Lloyd, Brecon Girls' County School.

D.—University Studentships and College Research Scholarship  
awards:—

*University Fellowships and Studentships*

*University Fellowship.*

John Richard Erichsen Jones, Ph.D.

*University Studentships.*

Nesta Elizabeth Cledwyn, B.A.

Emrys Gwynne James, B.Sc.

Jack Killa Williams, B.A.

*College Research Scholarships, Studentships, Exhibitions and Prizes.*

*Sir Garrod Thomas Fellowship* (£150).

David Thomas Lewis, B.Sc.

*Thomas Davies Scholarship* (£70).

Stanley Charles Townsend, B.Sc.

*Keeling Scholarship* (£50).

Brynmor Jones, B.A.

*John Francis Scholarship* (£40).

David Thomas Davies, B.Sc.

*Thomas Stephens Scholarship* (£25).

Evan Davies, B.Sc.



*Sir John Williams Studentships.*

William David Williams (£100).	Second Year.
Annie Beatrice Jones (£100).	Second Year.
Benjamin George Owen (£100).	First Year.
John James Glanmor Davies (£100).	First Year.

*Tom Jones Medical Scholarship.*

Alun Ceredig Jones (£25)
David Alun Davies (£10).

*Mrs. Francis Williams Art Exhibition.*

Eirlys Enos (£7).
Dorothy Marguerite Evans (£7).

*The Gladstone Memorial Prize (£10).*

Benjamin Aylwin Roberts.
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*The Foyle Prize (£5).*

Thomas Jones.
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## DEGREE EXAMINATIONS—JUNE, 1931.

I.—Intermediate. F.T.—Further Test. Mod.—Modified Course  
S.—Subsidiary. F.—Final. H1.—1st. Year Honours. H.—Honours.

The students whose names are printed in italics have completed their examinations for graduation.

	ARTS.
Adams, William Stephen	I. English, I. French, S. Economics, S. Geography.
Barfield, Hilda Ellen	I. French, I. Philosophy, S. English, S. Geography.
Bartholomew, Raymond Ambrose, B.A.	H. English, II. (1).
<i>Beeching, Norman Percy Hill</i>	H. Geography, III.
Beynon, John Haydn	Mod. Latin, I. Philosophy, S. History, S. Welsh.
Billingham, Louisa Maud	S. French, F. Greek.
<i>Bowen, Joseph Mervyn</i>	H. Geography, III.
Bowen, William Edward, B.A.	H. Economics, II. (1).
Broadbent, Cicely Mary Edith Emily	I. German, S. English, F. French.
<i>Brooks, Irene Florence</i>	S. Economics, S. Education, F. English.
<i>Burton, John Owen</i>	H. Philosophy, II. (1).
<i>Cadfan, Nefydd Hughes</i>	H. Philosophy, III.
Charles, William John	H. History, III.
Cleaver, Lyn	I. English.
<i>Cledwyn, Nesta Elizabeth</i>	H. French (I.), and Oral Certificate.
Collard, Eileen Louise	I. English, I. History, I. Philosophy.
Counsell, Edward	S. Economics, S. Geography, F. Jurisprudence.
<i>Crocker, Reginald Charles</i>	F. Economics, F. Geography.
Daniel, Isaac Thomas	S. History.
Davies, Aelwyn	S. Education, F. German, and Oral Certificate.
Davies, Annie	S. Economics, S. History, S. Latin.
Davies, Bridget Elfreda Lee	I. Latin, F. English.
Davies, Catherine Cordelia	I. Philosophy, S. English, S. French.
<i>Davies, Clifford Haydn</i>	F. English, F. History.
Davies, Daniel Dilwyn	I. History, S. Economics, S. Geography.
Davies, David Jones	I. Welsh, I. Philosophy.
<i>Davies, Dorothy Eiluned Vaughan</i>	H. English, II. (1).
Davies, Edith Magdalen Elizabeth	S. Economics, S. English, S. History.
<i>Davies, Edward Garfield</i>	H. English, II. (2).
Davies, Edwin John	S. History, F. Economics, F. Philosophy.
<i>Davies, Frances Alice</i>	S. English, F. Philosophy, F. Welsh.
<i>Davies, Gwenllian Mary</i>	F. Economics, F. History.
Davies, Howell	I. Philosophy, F. History.
<i>Davies, Isaac</i>	H. Welsh, II. (1).
Davies, John Evan	Elem. Greek, I. Welsh, I. Philosophy.
Davies, John James Glanmor, B.A.	H. Welsh, I.
Davies, John Morgan	Mod. Latin, I. French, S. Economics, S. History.
Davies, John Noel	H. History, II. (2).
<i>Davies, John Samuel Marcus</i>	H. History, II. (1).
<i>Davies, John Vyrnwy</i>	Mod. Latin, F. English, F. History.
<i>Davies, Mair Eiluned</i>	H. English, II. (2).

- Davies, Margaret Prelim. Latin, I. English, I. Philosophy, S. Welsh.
- Davies, Marion Jane S. French, S. German.
- Davies, Nani Eirlys H.I. English, F. Latin.
- Davies, Rosalind Mona, B.A. H. Geography, II. (2).
- Davies, Thomas Maelgwyn I. English, I. Welsh, I. History, S. Economics.
- Davies, Thomas Samuel S. Greek, S. Welsh, S. Philosophy.
- Davies, Trevor John Harverd F. Economics, F. French.
- Davies, William Evan I. Greek, I. Philosophy, I. Welsh.
- Davies, William Owen Prelim. Latin, I. English, S. History, S. Welsh.
- Downes, Mary Edwina S. History.
- Driscoll, Bernard I. Welsh, S. Greek, S. Latin, S. History.
- Dummer, Glyn H. History, II. (1).
- Edwards, Harry James F. English, F. French.
- Edwards, William Ritchie I. History, I. Philosophy, I. Welsh.
- Ellis, Dewi Machreth* H. Welsh, I.
- Ellis, Hywel Nadolig F. French, F. Geography, F. German and Oral Certificate.
- Ellis, William Edward* S. German, F. Economics, F. Geography.
- Evans, Charles I. German, I. and F.T. Philosophy, I. Welsh.
- Evans, Daisy Ann I. Philosophy, S. English, S. Welsh.
- Evans, David Eifion I. German, S. Economics, S. History, S. Welsh.
- Evans, Eirwen Jane Mainwar-  
ing S. History, H.I. English, F. French.
- Evans, Eluned Jeffreys* H. History, II. (2).
- Evans, Emmeline May* F. Economics, H. History, III.
- Evans, Harold Meurig Mod. Latin, S. History, F. Geography, F. Welsh.
- Evans, Hugh John S. Economics, S. History, S. Welsh.
- Evans, John Idris* I. Greek, H. Welsh Literature, II. (1).
- Evans, Leslie Wynne S. Welsh, F. Economics, F. Geography.
- Evans, Mair Ellen I. History, S. English, S. Economics, F. Welsh.
- Evans, Margaret Gwendolen  
Picton S. Latin, H.I. English, F. French.
- Evans, Megan Pryce S. English, S. History, S. Jurisprudence, F. Philosophy.
- Evans, Nancy Gwenhwyfar S. English.
- Evans, Penderel James S. Economics, S. German, S. History.
- Evans, Phyllis Edith Mary I. History, S. English, S. French, S. Latin.
- Evans, Robert S. Philosophy, F. Economics.
- Evans, William Alcwyn I. Philosophy, F. Geography, F. History.
- Evans, William John* H. Geography, II. (1).
- Farr, Dorothy* H. English, II. (1).
- Fleming, Margaret S. Economics, F. English, F. Geography.
- Frew, Barbara Broughton* S. Education, F. Economics.
- George, Daniel Ernest* H. French, I. and Oral Certificate.
- George, Leonard Cyril Edmund* F. Economics, F. Geography, F. History.
- Gibbon, Marjorie Edith S. German, H.I. English, F. French.
- Gravell, Grace Georgiana S. English, F. French.
- Griffith, Doris Katie Matilda* F. English, F. Geography, F. Latin.
- Griffith, Hugh Dewi* H. Philosophy, II. (1).
- Griffiths, Cyril Mansell S. German, S. Geography, S. History.
- Griffiths, Elizabeth Jane S. English, S. Education, F. Welsh.
- Griffiths, Jennie Margaret*  
*Irene* S. French, H.I. English, F. German.

- Griffiths, John David  
*Griffiths, William Stanley*  
*Grimes, Sylvie Madeline*  
Hall, Kathleen Mary
- Harries, Olive Mary
- Harris, Eirwen*  
*Hastings, Frank Gordon*  
Herbert, William John  
Hilborne, Ronald Hayes  
Hillier, Ruby Daphne
- Hinds, Leonard*  
Holley, Evelyn  
Hopkins, Evan John
- Hopper, Graham*  
Hughes, Anne Whittington  
Hughes, Edmund  
*Hughes, Gladys Winifred*  
Hughes, Glyn Rhys  
Hughes, John Meurig  
Hughes, William  
*Humphreys, Thomas Alfred*  
James, David William  
James, Kenneth  
*James, Mary Margaret*  
James, William Elwyn Leyshon
- Jarvis, John Brynmor  
Jenkins, David Ifor  
Jenkins, Edna Mary  
Jenkins, Ivor Brinley, B.A.  
*Jenkins, Muriel Dilys*  
*Jenson, June Elizabeth Xantippe*  
*Jerman, Herbert Noel*  
John, Ivor  
Jones, Alwen Irvona  
Jones, Anne Mary  
*Jones, Annie Eiluned*
- Jones, Annie Mary*  
Jones, Catherine Jane
- Jones, Ceinwen Mary
- Jones, Constance Florence Ashley
- Jones, David Caradog  
Jones, David Ellis  
*Jones, David John*  
*Jones, Dilys Mair Spence*  
Jones, Edgar Hiraethlyn  
Jones, Edith May  
Jones, Edward Haydn  
Jones, Edward Wynne
- I. English, I. History, I. and F.T. Philosophy.  
F. Philosophy.  
H. Geography, II. (2).  
I. Philosophy, S. Latin, S. English, S. French.  
F. English, F. German and Oral Certificate.  
H. French, II. (2).  
H. Philosophy, II. (2).  
S. Economics, F. English, F. Geography.  
S. English, S. French, S. Philosophy.  
I. French, I. History, I. Philosophy, S. English.  
H. English, II. (2).  
S. Economics, S. History, S. Philosophy.  
I. English, I. French, I. History, S. Geography.  
F. Economics, F. History.  
S. Welsh, F. English.  
I. English.  
I. Philosophy, H. Economics, II. (1).  
I. Welsh, S. English.  
F. Welsh.  
F. Welsh Literature.  
H. Pure Mathematics, I.  
S. History, H.I. English, F. Welsh.  
I. History, I. Welsh.  
S. Economics, F. French.
- I. English, I. French, S. Economics, S. Geography.  
S. English, F. Geography, F. History.  
S. Economics, S. History, S. Geography.  
F. Geography, F. History.  
H. Geography, III.  
H. Latin, II. (1).  
H. French, II. (2).  
H. Geography, I.  
I. Welsh.  
S. French, F. English.  
S. History, H.I. English, F. Welsh.  
S. Economics, F. History, F. Welsh Literature.  
H. English, III.  
S. English, S. Economics, S. German, F. Welsh.  
I. German, S. Latin, S. English, S. History.
- I. English, I. French, I. Geology, S. Philosophy.  
I. and F.T. Philosophy, S. Economics.  
I. Welsh, I. History, S. Philosophy.  
I. History, H. Philosophy, II. (2).  
S. History, F. English, F. Economics.  
S. French, F. Geography.  
I. German, H.I. English, F. Latin.  
S. History, F. Economics.  
S. History, F. Economics, F. Geography.

- Jones, Eleanor Blodwen Irene S. Latin, S. Economics, S. English.  
 Jones, Elizabeth S. History, F. English, F. Welsh.  
 Jones, Elizabeth Vera Marie S. Greek, F. English.  
 Jones, *Eluned Margaret* F. Pure Mathematics, F. Welsh.  
 Jones, Enid Morfydd Prys S. English, S. Economics, S. History,  
 S. Latin.  
 Jones, Ewart Lyn I. German.  
 Jones, Gladys Elizabeth S. English, S. History, F. French.  
 Jones, Glenys Hannah I. English, I. Welsh, I. History,  
 I. Music.  
 Jones, Harold S. Welsh.  
 Jones, Haydn F. Geography, F. History.  
 Jones, Helena S. Greek.  
 Jones, Herbert Cecil Moss S. Economics, F. English.  
 Jones, Hugh Vaughan Morris I. Greek, S. English, S. Welsh,  
 S. Philosophy.  
*Jones, Ivor Brynmor* H. Geography, II. (2).  
 Jones, John Arthur S. English, S. Economics, F. Geography.  
 Jones, John David S. Welsh, F. Philosophy.  
 Jones, John Haydn S. German, F. Economics.  
 Jones, John Robert S. Greek, S. Welsh, S. Philosophy.  
 Jones, *Katie Alice* S. English, F. Latin, F. Welsh.  
 Jones, Maldwyn I. Greek, I. Philosophy, F. Economics,  
 F. Welsh Literature.  
 Jones, Mary Annetta Mod. Latin, F. Geography.  
 Jones, Mary Eirwen I. French, S. English, S. Education,  
 S. History.  
 Jones, Menna I. Latin, I. English, S. Economics,  
 S. History.  
 Jones, Merfyn Mechain H.I. English, F. Latin, F. French.  
 Jones, Phyllis Menna I. Philosophy, S. English, S. Welsh.  
 Jones, Richard Edward S. Economics, S. History, S. Geography.  
 Jones, Sarah Annie Elem. Greek, I. Latin, I. English,  
 I. Welsh.  
 Jones, Sarah Ceridwen S. Education.  
 Jones, *Thomas* (Alltwen) H. Latin, I.  
 Jones, Thomas F. Geography, F. History.  
 Jones, Thomas John S. Latin, S. History, H.I. English.  
 Jones, Thomas Rhys F. History, F. Welsh.  
 Jones, Thomas Richard I. Welsh, I. Philosophy, I. Geology.  
 Jones, Trevor Gwyn Humphreys Prelim. Latin, F. Economics, F. English,  
 F. History.  
*Jones, Vivian Lloyd* F. Education, F. Philosophy.  
 Jones, William Brynmor I. Welsh, S. Economics, S. Geography,  
 S. History.  
 Jones, William Evans F. Philosophy.  
 Jones, William Howell S. Geography, S. History.  
 Jordan, William Haydn S. French, S. History.  
 Keedwell, John Henry S. Philosophy.  
 Lewis, Evan John Prelim. Latin, S. English, S. Welsh,  
 S. Pure Mathematics.  
 Lewis, Frank Robert S. Economics, S. Jurisprudence.  
 Lewis, George I. German, I. Pure Mathematics,  
 S. Latin, S. French.  
 Lewis, Gomer Thomas F. Philosophy.  
 Lewis, *John Llewelyn* H. Economics, II. (1).  
 Lewis, John Lloyd I. Welsh, I. History, I. Philosophy.  
 Lewis, Mary Elizabeth S. History.  
 Lewis, *Rhys Thomas* F. Economics.

- Lewys-Lloyd, Delyth Clowes  
Vaughan  
Lloyd, John Trefor  
Lloyd, Rita Mary  
Mackeen, Douglas Irwin
- Mainwaring, Margaret
- Manning, Hilda Mary  
Mason, Hilda May
- Matthews, William James  
Mole, Arnold John  
*Moore, Isobel Doreen Games*  
*Morgan, Annie Rhiannon*  
*Morgan, Elizabeth Eluned*  
*Morgan, Emlyn*  
Morgan, Ena Marjorie Unwin  
Morgan, Gwyn Thomas
- Morgan, William Leslie*  
*Morris, David Caradog*  
Morris, Gwyn Elvet  
Morris, Jane Ellen  
*Morris, Thomas Lloyd*  
Moses, Trevor
- Newell, Dorothy Ann  
*Oliver, Enid*  
Oliver, Florence Mary
- O'Shea, Maire  
*Owen, Thomas Emlyn*
- Owens Benjamin George, B.A.  
Parry, Albert  
Payne, George Charles
- Perrott, Brynmor Rhys  
Phillips, Caradog  
Phillips, John Rowland Emrys  
*Phillips, Mattie*  
*Phillips, Thomas Bevan*  
Phillips, Trevor James  
*Pitts, Lynda Margaret*  
Powell, Nancy  
Pritchard, Annie Mary
- Profit, Tudor
- Pugh, Arthur Ronald*  
*Ranson, Arthur Norman*  
*Shelley*  
Rees, Alwyn David
- Rees, Anelyf Wyn
- Rees, Delsie  
Rees, Evan Harries  
Rees, Garnet
- I. French, I. German, I. History.  
I. Welsh, I. German, I. Philosophy.  
I. History.  
I. French, S. English, I. Applied  
Mathematics, I. Pure Mathematics.  
Prelim. Latin, I. History, S. English,  
S. Geography.  
S. History, F. English.  
Prelim. Latin, I. and F.T. English,  
I. Music, S. Welsh.  
H. History, II. (2).  
F. Geography, F. History.  
H. Latin, III.  
H. English, I.  
S. Greek, F. English.  
H. Welsh, II. (1).  
S. Latin, S. Economics.  
I. Philosophy, I. English, S. Welsh,  
F. History.  
F. English, F. French, F. German.  
F. History, F. Welsh.  
I. History, I. Welsh, S. Economics.  
S. Economics, F. Welsh.  
H. Philosophy, III.  
I. English, I. History, S. Economics,  
S. Geography.  
I. French, S. English, S. History.  
H. English, I.  
Prelim. Latin, S. English, I. French,  
I. Pure Mathematics.  
S. English, S. Economics, S. History.  
I. Welsh, S. Geography, F. Economics,  
F. History.  
H. Welsh Literature, II. (1).  
S. Jurisprudence, F. Welsh.  
I. French, S. English, S. Geology,  
S. Geography.  
S. Economics, F. Geography, F. History.  
S. English, F. Economics, F. Geography.  
S. Economics, S. History, S. Geography.  
H. English, III.  
F. Welsh Literature.  
S. English, S. Economics, S. History.  
F. English, F. Music.  
S. English, S. History.  
I. Latin, I. Philosophy, S. English,  
S. Geography.  
I. English, I. German, S. Welsh,  
S. Geography  
F. Jurisprudence, H. Economics, II. (2).  
F. English, F. Geography.  
I. German, S. Welsh, S. Economics,  
S. Geography.  
Mod. Latin, S. Economics, S. French,  
S. History.  
Prelim. Latin, S. English, S. History.  
I. English, I. Welsh, I. Philosophy.  
Prelim. Latin, I. Philosophy, S. English,  
S. French.

- Rees, Ivor Gwynfil  
 Rees, John Ernest  
 Rees, Mair Irene  
 Rees, Nelian  
 Reynolds, David Elwyn  
 Richards, Ivor Charles  
 Maxwell  
 Richards, John George  
 Roberts, David  
  
*Roberts, David Brinley*  
 Roberts, David Emlyn  
 Roberts, Dorothy  
  
 Roberts, Edward Gwilym  
 Roberts, Elen  
 Roberts, Gwilym Owen  
 Roberts, Hywel David  
 Roberts, Sydney Dorothy  
 Roderick, Arthur James  
  
 Rowlands, Elizabeth Doris  
 Rowlands, William Lewis  
 Rushforth, Anita  
  
 Saer, Luther John  
 Samuel, Gwilym Raymond  
  
 Sanders, Ivor John  
  
 Seaborne, Marian Arabella  
 Inez  
  
 Seedhouse, Alan Walter  
  
 Smith, Robert Arnold  
  
*Stiles, Evelyn May*  
 Sutton, Rachel Margaret  
 Rhydderch  
  
*Theophilus, David Maldwyn*  
*Thomas, Benjamin Trevor*  
 Thomas, Brinley Glyndwr  
 Thomas, David Alun  
  
 Thomas, Eirlys  
 Thomas, Elwyna  
 Thomas, Emiah Jane  
*Thomas, Emlyn*  
*Thomas, Garfield*  
 Thomas, Goronwy Owen, B.A.  
*Thomas, Gwilym Idris*  
*Thomas, Gwladys Melita Mary*  
 Thomas, Gwyn Ivor  
  
*Thomas, John*  
 Thomas, Kathleen Nora  
  
 Thomas, Louise Price  
  
 S. Economics, F. Geography, F. Welsh.  
 F. Geography.  
 S. History, F. English, F. Welsh.  
 I. Greek, I. German, S. Latin, S. French.  
 I. German, I. History, S. Economics.  
  
 S. German, F. History, F. Geography.  
 S. History, S. Geography.  
 I. Latin, I. and F.T. English, I. History,  
 I. Philosophy.  
 F. English, F. Geography.  
 S. Welsh, S. Geography, S. Geology.  
 I. English, I. French, I. History,  
 I. Geology.  
 F. German.  
 S. French.  
 S. Philosophy.  
 I. Philosophy.  
 S. Welsh, H.I. English, F. History.  
 I. English, I. French, S. Latin,  
 S. History.  
 I. Philosophy, S. English, S. Welsh.  
 I. English, I. Welsh.  
 Prelim. Latin, I. English, I. Welsh,  
 S. History.  
 S. Greek, F. English.  
 I. Latin, I. History, I. Philosophy,  
 S. English.  
 Mod. Latin, I. Geology, S. Economics,  
 S. History.  
  
 Mod. Latin, S. English, S. History,  
 S. Philosophy.  
 I. English, I. French, I. History,  
 I. Philosophy.  
 S. Jurisprudence, F. Economics,  
 F. History.  
 H. Geography, II. (1).  
  
 Prelim. Latin, I. Philosophy, S. English,  
 S. History  
 H. English, I.  
 F. Economics, F. English.  
 S. Philosophy.  
 I. Greek, S. English, S. Economics,  
 S. Latin.  
 S. Welsh, S. Economics.  
 I. Greek, S. Philosophy, F. Latin.  
 S. Latin, S. English, S. Music., F. Welsh.  
 H. Economics., I.  
 H. Geography, II. (2).  
 H. Geography, II. (2).  
 F. English, F. History, F. Music.  
 H. French, II. (2)  
 I. English, S. Economics, S. Welsh,  
 S. History.  
 F. Latin, F. Welsh.  
 Prelim. Latin, I. German, S. English,  
 S. History.  
 S. English, S. German.

- Thomas, Maelgwyn Rees I. Latin, I. Philosophy, S. English  
S. French.
- Thomas, Maria Beryl S. Economics, F English F. Geography.
- Thomas, Megan I. Geology.
- Thomas, Thomas S. History, S. Geography, F. Economics.
- Thomas, Violet Mary I. English, I. History.
- Thomas, William Ernald I. German, I. History I. Latin, I. Welsh
- Watkins, Glyndwr I. German, I. Music., S. Economics.
- Watkins, Susannah I. Geology, I. History, I. Philosophy,  
I. Welsh.  
F. Economics.
- Webbern, Mary B.A., S. Geography, F. History, F. Welsh.
- Williams, Angharad Dilys* I. German, S. Welsh, F. Economics,  
F. Pure Mathematics.
- Williams, Annie Dorothy* I. Philosophy.
- Williams, David Arthur* S. German, F. Geography, F. History.
- Williams, David Leslie* H. Economics, II. (1).
- Williams, Edgar Arthur* H. History, II. (1).
- Williams, Edith Irene* S. Economics, F. History.
- Williams, Eric Godfrey* I. English, I. History, I. Geology,  
I. Philosophy.
- Williams, George* H. Welsh Literature, I.  
F. English.
- Williams, Griffith Aled* I. English, I. Welsh, S. Economics,  
S. Geography.
- Williams, Gwilym Osmund* H. French I., and Oral Certificate.
- Williams, Hugh Trefor* I. and F.T. English, I. History,  
I. Philosophy.
- Williams, Jack Killa* I. Welsh, S. Economics, S. History,  
S. Philosophy.
- Williams, John Hopkin* Elem. Greek, I. Applied Mathematics,  
I. English, S. Latin, S. Pure  
Mathematics.
- Williams, John Lewis* S. Latin, F. English, F. French.
- Williams, Leslie Owen* H. Latin, II. (2).
- Williams, Mabel Winifred* S. Economics, S. History, S. Geography.
- Williams, Mair Meirionwen* H. Welsh, II. (2).
- Williams, Nellie* I. Welsh, S. English, S. Economics,  
S. Geography.
- Williams, Olwen* H. English, II (2).
- Williams, Ronald* F. English, F. German and Oral Certificate
- Williams, Sybil Noreen* I. History.
- Williams, Tom Pugh* I. Latin, S. French, I. Philosophy,  
S. German.
- Williams, William (Senghenydd)* S. Education, S. Jurisprudence.  
F. English.
- Williams, William John* S. Economics, S. History, S. Geography.
- Wycherley, Dorothy Nancy*
- Yemm, William*
- Abraham, Margaret Elizabeth
- André, Marie*
- Baker, Elsie May
- Barrett, Gwen
- Bason, Phoebe Margaret
- Batt, Muriel Eileen*
- Bebington, Gladys Ellen,  
B.Sc.
- Beresford, Doreen May
- Bevan, Mary Ann
- SCIENCE.
- I. Pure Mathematics, S. Geography,  
S. Geology.
- F. Geography, F. Geology
- F. Geography, F. Geology.
- I. Zoology, S. Botany, S. Geography.
- I. Philosophy, S. Economics.
- H. Geography, III.
- H. Botany, II. (1).
- S. Pure Mathematics, S. Applied  
Mathematics, S. Physics.
- S. Pure Mathematics, S. Geography.



- Beynon, William Vaughan  
 Blackshaw, Marian Winifred  
 Bound, Richard Augustine  
 Milwyn  
 Brandon, Vera Eileen  
 Bull, James Howard  
 Cable, Donald Keith, B.Sc.  
 Carter, Glynden Ewart  
*Chapple, Maurice Tregear*  
 Chatterley, Lucy  
*Cooper, John Henry*  
 Corfield, George Arthur  
 Davies, David Alun  
 Davies, Eilwen  
*Davies, Enoch*  
*Davies, Geoffrey*  
*Davies, Haydn Egryn*  
 Davies, Isaac (Tredegar)  
 Davies, Mansel Morris  
 Davies, Ronald Clifford  
 Davies, Wilfred Owen  
*Davies, William Clifford*  
 Davies, Winifred Mary  
 Easthope, Colin Eric, B.Sc.  
 Edwards, Margaret  
 Edwards, Margaret Eluned  
 Honor  
 Edwards, Sidney Vincent John  
 Evans, Catherine Irene  
 Evans, Eleanor Mary  
 Evans, Jacob  
 Evans, Kathleen Marion  
 Emilie  
*Evans, Mabel Ruth*  
 Evans, Maria  
*Evans, Mary Elizabeth*  
 Evans, Rachel Mary  
 Everson, Ronald  
*Fooks, Pauline*  
 Francis, Mary Paynter  
 Francis, William Howard  
*Gabriel Morris*  
 Harries, John Vaughan  
 Harries, Bramwell  
 Hooper, Margaret Chorlton  
 Howell, Gweneth  
 Hughes, Daniel Maldwyn  
 Hughes, Harold  
*Humphreys, William Garnet*  
 James, Henry Vincent  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.  
 I. Geology, S. Botany, S. Geography.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 I. Pure Mathematics, I. Applied  
 Mathematics.  
 S. Physics.  
 H. Chemistry, II (2).  
 I. Pure Mathematics, S. Geology,  
 S. Geography.  
 H. Pure Mathematics, I.  
 I. Botany, I. Chemistry, I. Zoology.  
 H. Geography, II (2)  
 F. Pure Mathematics, F. Physics.  
 I. Chemistry, I. Botany, I. Zoology.  
 F. Geography, F. Geology.  
 F. Geography, F. Geology.  
 F. Geography, F. Geology.  
 F. Physics.  
 I. Applied Mathematics, S. Pure  
 Mathematics, F. Physics.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 I. Chemistry, I. Geology, I. Physics.  
 I. Physics.  
 H. Pure Mathematics, II. (1).  
 S. Geography, S. Geology.  
 H. Applied Mathematics, I.  
 I. Botany, I. Geology, I. Zoology.  
 I. Applied Mathematics, S. Chemistry,  
 F. Pure Mathematics.  
 I. Chemistry, I. Pure Mathematics.  
 F. Zoology.  
 I. Botany, I. Geology, I. Zoology  
 I. Zoology.  
 S. Botany, F. Geography, F. Geology.  
 F. Pure Mathematics.  
 I. Pure Mathematics.  
 F. Botany, F. Zoology.  
 I. Applied Mathematics, I. Physics,  
 S. Pure Mathematics.  
 F. Pure Mathematics, F. Physics.  
 H. Geography, II (2).  
 F. Geography, F. Geology.  
 F. Pure Mathematics, F. Applied  
 Mathematics.  
 F. Applied Mathematics, F. Pure  
 Mathematics.  
 I. Physics, S. Pure Mathematics, ]  
 S. Applied Mathematics.  
 F. Pure Mathematics, F. Applied  
 Mathematics.  
 S. Botany, S. Chemistry.  
 I. Chemistry, I. Botany, I. Zoology.  
 I. Zoology.  
 F. Economics, F. Geography.  
 F. Geography, F. Geology.  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.

- James, Thomas Richard*  
 Jarvis, Sydney Geoffrey  
*Jenkins, Gwynne*  
 Johns, Harold Myrddin  
 Jones, Alun Ceredig  
  
*Jones, Arthur Vaughan*  
*Jones, Benjamin Lloyd*  
 Jones, Benjamin Royston  
  
 Jones, Beryl  
  
 Jones, Cyril Charles  
  
 Jones, Daniel Caradog  
  
 Jones, David Caledfryn  
 Jones, David Price  
 Jones, Ellen  
 Jones, Gwyneth Mary  
 Jones, Hannah Margaret  
 Jones, Idwal Morgan  
 Jones, John Brinley  
 Jones, John Hopkins, B.Sc.  
 Jones, John Idris  
 Jones, Mair Elizabeth  
  
 Jones, Mary Dorothy  
 Jones, Richard John Lloyd  
  
 Jones, Thomas Iorwerth  
 Jones, Thomas Tyssul  
  
 Jones, William Ernest  
  
 Jones, William Frederick  
 Ladd, John Cyril  
 Laramy, Albert James Gwyn-  
 fryn  
*Leach, Adrian Sigbert Terence*  
 Lewis, Brinley James  
  
*Lewis, David Stephen Goronwy*  
 Lewis, David Thomas  
 Lewis, Edith Annie  
*Lewis, Herbert John*  
 Lewis, William Edward  
 Lewis, William Rufus  
  
 Llewelyn, Edith Margaret  
 Lloyd, David Charles  
 Lloyd, Rebecca Megan  
 Loveridge, Enid Neale  
 Lowdon, Margaret  
 Mackenzie, Marian Bettina  
  
*Miles, Henry John*  
 Moore, Jack  
*Morgan, David Edgar*
- H. Pure Mathematics, I.  
 I. Botany, S. Geology, S. Geography.  
 F. Applied Mathematics, F. Physics.  
 I. Botany, S. Chemistry, S. Zoology.  
 I. Chemistry, I. Physics, I. Botany,  
 I. Zoology.  
 F. Geography, F. Zoology.  
 H. Philosophy, I.  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.  
 I. Pure Mathematics, I. Applied  
 Mathematics, I. Physics.  
 I. Physics, S. Pure Mathematics,  
 S. Chemistry.  
 F. Pure Mathematics, F. Applied  
 Mathematics.  
 F. Geology.  
 I. Botany, I. Zoology, S. Chemistry.  
 S. Botany, S. Geography, S. Zoology.  
 S. Botany, S. Geography, S. Zoology.  
 S. Pure Mathematics.  
 I. Botany, I. Chemistry.  
 F. Zoology.  
 H. Chemistry, III.  
 F. Chemistry.  
 I. Applied Mathematics, I. Physics,  
 S. Pure Mathematics.  
 I. Botany, S. Zoology, F. Geography.  
 F. Economics, F. Geography,  
 F. Geology.  
 F. Chemistry, F. Physics.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 F. Pure Mathematics, F. Applied  
 Mathematics.  
 I. Physics, S. Chemistry, S. Geology.  
 S. Botany, S. Chemistry, S. Zoology.  
 F. Physics.  
 H. Pure Mathematics, II. (2).  
 I. Pure Mathematics, I. Applied  
 Mathematics, I. Physics.  
 F. Chemistry, F. Pure Mathematics.  
 S. Geology, S. Zoology.  
 F. Botany, F. Geography.  
 H. Botany, I.  
 S. Economics, S. Geography, S. Geology.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 S. Botany, S. Geography, S. Zoology.  
 S. Botany, S. Chemistry, S. Zoology.  
 S. Botany, S. Geography, S. Zoology.  
 S. Geography, S. Zoology, F. Geology.  
 I. Botany, I. Philosophy, I. Zoology.  
 F. Pure Mathematics, F. Applied  
 Mathematics.  
 H. Pure Mathematics, III.  
 F. Pure Mathematics, F. Physics.  
 H. Pure and Applied Mathematics,  
 Combined Course, II. (1).

- Morgan, Elgar  
 Morgan, George Spencer  
 Morgan, John  
 Nicholas, Gwenllian Kate  
 Osborne, Daniel  
*O'Sullivan, Mary*  
 Owens, Robert David John  
 Parry, Caradoc Griffiths  
 Parry, George Alwyn  
*Pearson, Edith McCall*  
*Phillips, David Rowland Daniel*  
 Phillips, Tudor James  
 Pincott, John  
 Pitman, Reginald Horace  
*Porter, Frederick William Bertram*  
*Price, Beryl*  
 Price, Malgwyn Selsig  
 Price, Morgan  
 Price, Thomas Frederick  
 Pride, Rhiannon  
 Pugh, Evan Milwyn  
*Raccliffe, John Fuller*  
 Redd, Raymond  
 Rees, Catherine Lucilla  
 Rees, May  
 Rees, Richard Emlyn  
 Rees, William James  
 Reese, Mary Jane  
 Richards, Gwyneth  
 Richards, Joyce Elizabeth Alice  
 Richards, Mary Ann  
 Roberts, Frederick Grenville  
 Rogers, Evan Harold Islwyn  
 Rowlands, Margaret Humphreys  
 Samson, George Lewis Davies  
 Samuel, Gwyneth Eluned  
*Sansbury, Arthur Richard Smith, Dora*  
 Stephens, Idris Warrington  
*Theophilus, Thomas Ieuan*  
 Thomas, Agnes Mary  
 Thomas, Alun Davies, B.Sc.  
 Thomas, Arthur Philip  
 Thomas, Benjamin John  
 F. Pure Mathematics, F. Applied Mathematics.  
 F. Chemistry, F. Physics.  
 F. Geography, F. Geology.  
 F. Botany, F. Geography.  
 I. Pure Mathematics, S. Geology, S. Geography.  
 F. Botany, F. Geology.  
 I. Pure Mathematics, S. Chemistry, S. Physics.  
 S. Pure Mathematics, S. Economics, S. Geography.  
 F. Chemistry, F. Physics.  
 H. Botany, I.  
 F. Pure Mathematics.  
 I. Pure Mathematics, I. Chemistry, I. Physics.  
 S. Pure Mathematics, F. Chemistry, F. Physics.  
 F. Pure Mathematics, F. Applied Mathematics.  
 F. Chemistry, F. Physics.  
 F. Economics, F. Pure Mathematics.  
 S. Botany, S. Chemistry, S. Zoology.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 S. Economics, S. Geography, F. Geology.  
 F. Botany, F. Chemistry.  
 S. Geography, S. Geology.  
 H. Pure and Applied Mathematics, Combined Course, I.  
 F. Chemistry, F. Pure Mathematics.  
 S. Geography, S. Geology, S. Zoology.  
 F. Botany, F. Zoology.  
 F. Chemistry, F. Pure Mathematics.  
 I. Botany, I. Geology, I. Zoology.  
 I. Zoology, S. Botany, S. Geography.  
 F. Zoology.  
 S. Botany, S. Zoology, F. Geography.  
 I. Pure Mathematics, S. Geology, S. Geography.  
 F. Pure Mathematics.  
 S. Pure Mathematics, F. Geography, F. Physics.  
 S. Botany, S. Geology, F. Geography.  
 F. Physics.  
 I. Geology, S. Geography.  
 H. Geology, II. (I).  
 H. Geography, II. (I).  
 H. Pure Mathematics, III.  
 F. Pure Mathematics, F. Chemistry.  
 S. Geography, S. Zoology, F. Botany.  
 H. Geography, III.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.

Thomas, Iorwerth Hefin	S. Pure Mathematics, S. Chemistry, S. Physics.
Thomas, Ivor Vincent	S. Botany, S. Geology, S. Geography.
Thomas, James Campbell	I. Chemistry.
<i>Thomas, John Glyndwr</i>	H. Pure and Applied Mathematics, Combined Course, II. (2).
<i>Thomas, Maldwyn Hughes</i>	H. Physics, II. (1).
Thomas, Margaret Eirwen	F. Economics.
Thomas, Nesta Elizabeth Sybil	I. Botany, I. Zoology.
Thomas, William John	S. Pure Mathematics, S. Applied Mathematics, S. Physics.
Tovey, Dorothy May	S. Geography, S. Geology.
<i>Townshend, Stanley Charles</i>	H. Chemistry, II. (1).
<i>Veal, Nora Lilian</i>	H. Geography, III.
Wardle, Beatrice	F. Botany, F. Geography.
Wernet, Beryl Margaret	I. Botany, S. Zoology.
Wigley, Hugh Armand Ellis	F. Applied Mathematics, F. Pure Mathematics.
Williams, Alan	I. Physics, S. Pure Mathematics, S. Chemistry.
Williams, David Arnall	S. Pure Mathematics, F. Chemistry, F. Physics.
Williams, Edward George	F. Geography.
Williams, Gwenith	F. Botany, F. Zoology.
Williams, Sylvia Rosalind	I. Botany, I. Geology, I. Zoology.
Williams, William (Garnant)	F. Geology.
Williams, William Gwynne	S. Pure Mathematics, S. Applied Mathematics, S. Physics.
Zetterstrom, Ida Elizabeth	I. Botany, I. Geology, S. Geography.

## RURAL SCIENCE.

Akhaury, Bindhyabasini Prasad	Agricultural Chemistry.
Arthur, David Merfyn	I Botany, I. Zoology.
Ashton, Edward Donald	I. Chemistry, S. Economics.
<i>Ashton, Walter Meredith</i>	F. Agriculture, F. Chemistry with Agri. Chemistry.
<i>Bose, Santi Priya</i>	Agricultural Chemistry, F. Agriculture, F. Economics with Agri. Economics.
Das Gupta, Mohitendranath	I. Chemistry.
Davies, Evan, B.Sc.	H. Zoology including Agricultural Zoology, II. (1).
<i>Edwards, David Saunders</i>	H. Agriculture, II (1.)
Gupta, Din Dayal	S. Botany, S. Zoology, Agricultural Chemistry.
<i>Henderson, Richard</i>	H. Economics with Agri. Economics, II. (1)
<i>Hughes, Elfed Iloyd</i>	Agricultural Botany, F. Agriculture, F. Botany with Agri. Botany.
<i>James, Elwyn Owen</i>	H. Botany with Agri. Botany II (2).
Johnson, Alice	I. Chemistry, I. Zoology.
Miles, Elizabeth Jane	I. Botany, I. Zoology.
Mulloth, Balakrishna Menon	S. Economics, Agricultural Botany.
Ray, Sudhindra Chandra	I. Botany, S. Economics.
<i>Saer, John</i>	Agricultural Botany, F. Agriculture, F. Botany with Agri. Botany.
Sandhu, Harpal Singh	Agricultural Botany, S. Economics.
<i>Singh, Gurdit</i>	Agricultural Botany, F. Agriculture.
<i>Singhal, Chandra Bhan</i>	H. Botany with Agri. Botany, II (1).
Smith, Joseph Henry	Agricultural Botany, S. Economics.
<i>Thomas, John Owen</i>	H. Botany with Agri. Botany, III.

- Thomas, Percy Tudor I. Chemistry, I. Physics, I. Botany,  
I. Zoology.
- Walker, Robert Gordon* Agricultural Botany, F. Botany with  
Agri. Botany, F. Agriculture.
- Western, John Henry Agricultural Chemistry, S. Botany,  
S. Zoology.
- Whiteside, Alan Agricultural Chemistry, S. Botany.
- Williams, Stephen I. Botany, I. Zoology, S. Chemistry.
- LAW.
- Batterbee, Myfanwy I. English, Prelim. Law of Contract,  
Prelim. Law of Tort and Crime, Prelim.  
Constitutional History.
- Bowen, Evan Roderic Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Bufton, Lilian Mary I. Philosophy, Pt. I. English Law, Pt. I.  
Constitutional Law, Pt. I. International  
Law.
- Burrell, John Glyn S. English, Prelim. Law of Contract,  
Prelim. Law of Tort and Crime, Prelim.  
Constitutional History.
- Davies, Daniel Humphreys* H. Law, III.
- Davies, William Philip I. English, Prelim. Law of Contract,  
Prelim. Law of Tort and Crime, Prelim.  
Constitutional History.
- Evans, Emlyn Hugh* Pt. II. Common Law, Pt. II. Conveyanc-  
ing and Equity, Pt. II. Jurisprudence  
and Comparative Law.
- Gilbert, Thomas Alfred* H. Law, II. (2).
- Gordon-Roberts, Sylvia Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Gordon Hicks, William Haydn, B.A. Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- James, Anne Menna* H. Law, II. (1).
- Jeremy, Ithel David* H. Law, II. (1).
- Jones, Edward Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Jones, Henry Evans Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Jones, Iwan Elis Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Jones, John Eryl Owen Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Jones, John Kenneth Trevor* Pt. II. Common Law, Pt. II. Conveyanc-  
ing and Equity, Pt. II. Jurisprudence  
and Comparative Law.
- Jones, Megan Lloyd Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Jones, Thomas Mervyn* H. Law, I.
- Koratkar, Vithal Keshavrao Pt. I. English Law, Pt. II. Jurisprudence  
and Comparative Law.
- Morgan, John Pt. I. English Law, Pt. I. Constitutional  
Law, Pt. I. International Law.
- Morgan, William Glyn* Pt. II. Common Law, Pt. II. Conveyanc-  
ing and Equity, Pt. II. Jurisprudence  
and Comparative Law.
- Owen, Richard Idris Kerfoot, LL.B. H. Law. III.
- Peacock, Walter Frank* H. Law, III.
- Roberts, Emrys Owain* H. Law, I

*Roberts, Robert John*  
*Simons, Emrys*

Stock, Raymond

Taylor, Frederick William

*Thomson, William Stuart*  
*Hastings*

Wallis-Jones, Ewan Perrins

*Williams, Glanville Llewelyn*

H. Law, II. (2).

Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.

Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.

Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.

H. Law, III.

I. English, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.

H. Law, I.

### SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1931.

#### ARTS.

Collard, Eileen Louise	I. French.
Davies, Catherine Cordelia	I. Latin.
Davies, Daniel Dilwyn	I. German.
Davies, Margaret Gwennant	I. Latin (Modified).
Davies, William Evan	I. History.
Edward, William Ritchie	I. English.
Evans, Charles	I. English.
Evans, Daisy Ann	Mod. Latin.
Hughes, Glyn Rhys	Mod. Latin.
Hughes, John Meurig	Mod. Latin.
James, Kenneth	I. English.
Jenkins, David Ifor	I. German
Jones, David Caradog	I. Welsh.
Jones, Dilys May	I. German.
Jones, Elizabeth Margaret	Mod. Latin.
Jones, Phyllis Menna	I. Latin.
Jones, Thomas Richard	I. English.
Jones, William Howel	I. English.
Jordan, William Haydn	I. German.
Lewys-Lloyd, Delyth Clowes	
Vaughan	I. Geology.
Mason, Hilda May	Mod. Latin.
Morris, Gwyn Elvet	Mod. Latin.
Morris, Jane Ellen	Mod. Latin.
Newell, Dorothy Ann	Mod. Latin.
Oliver, Florence Mary	Mod. Latin.
Phillips Trevor James	Mod. Latin.
Rees, Delsie	Mod. Latin L. French.
Rees, Ifor Gwynfil	Mod. Latin.
Rees, Mair Irene	Mod. Latin.
Reynolds, David Elwyn	I. Geology.
Richards, John George	I. English I. Pure Mathematics.
Roberts, Harold Prosser	Mod. Latin.
Rowlands, Elizabeth Doris	I. Latin.
Rowlands, William Lewis	I. Latin I. Philosophy.
Sutton, Rachel Margaret	
Rhydderch	Mod. Latin.
Thomas, Eirlys	I. German.
Thomas, Louise Price	I. Philosophy.
Thomas, Megan	I. Latin, I. Philosophy.

Wilgey, Elfyn Edward	I. English, I. Philosophy, I. Pure Mathematics, S. Economics.
Williams, John Hopkin	I. Latin.

## SCIENCE.

Brandon, Vera Eileen	I. Physics.
Edward, Sidney Vincent John	I. Physics.
Richards, Vivian Aeron	I. Physics.
Samuel, Gwyneth Eluned	I. Botany.
Thomas, Nesta Elizabeth Sybil	I. Geology.

## RURAL SCIENCE.

Johnson, Alice	I. Botany.
Miles, Elizabeth Jane	I. Chemistry.
Ray, Sudhindra Chandra	I. Chemistry.

**EXAMINATION FOR THE DIPLOMA IN EDUCATION, 1931.**

The following candidates have satisfied the examiners and have qualified for the Diploma:—

## PART I. WRITTEN EXAMINATION.

*Division 1.*

Andrew, Winifred, B.A. (Manchester).  
 Burden, Eric William, B.A.  
 Cronkshaw, Phyllis, B.A. (Manchester).  
 Gordon, Arthur, B.A.  
 Gray, Kathleen, B.A.  
 James, Edith Mary, B.A.  
 Jones, Brynmor, B.A.  
 Jones, Olive Ethel, B.A.  
 Morgan, Herbert Lloyd, B.A.  
 Phillips, Annie, B.Sc.  
 Roberts, Eluned Pierce, B.A.  
 Thomas, Marion Rachel Owen, B.A.

*Division 2.*

Brace, David Richard Elfyn, B.A.  
 Charman, Doris Florence, B.A.  
 Cule, Elizabeth Margaret, B.Sc.  
 Dalby, Isabel May, B.Sc.  
 Davies, Ceridwen Elizabeth, B.A.  
 Davies, Gwyneth May, B.A.  
 Davies, Olwen, B.Sc.  
 Davies, Sarah Ann, B.A.  
 Dobson, Elsie May, B.Sc.  
 Edwards, Margaret Doris, B.A.  
 Evans, Deric Alan.  
 Fielding, Ifor.  
 Griffiths, Annie Louisa, B.A.  
 Griffiths, Catherine, B.A.  
 Griffiths, Winifred Hannah, B.A.  
 Hall, William James, B.A.  
 Hearn, Evelyn Tryphena, B.A.  
 Hooper, Ada Dorothy, B.A.

Hughes, John Ernest, B.A.  
 James, Emrys Gwynne, B.Sc.  
 Jenkins, Annie Elizabeth Ceridwen, B.A.  
 Job, Doris, B.A.  
 Johns, Sarah Christine, B.Sc.  
 Jones, Edith Dilys, B.A.  
 Jones, Eiluned, B.A.  
 Jones, Glyn Powell, B.A.  
 Jones, Gwladys Margaret, B.A.  
 Jones, James Kennard Lloyd, B.A.  
 Jones, Jane Muriel, B.A.  
 Jones, Margaret Eilrad, B.Sc.  
 Llewellyn, Gwyneth Irene, B.A.  
 Lloyd, Esther Winifred, B.A.  
 Morgan, John Kenneth, B.A.  
 Morgan, Ray, B.A.  
 Newell, Edith Margaret, B.A.  
 Oliver, Reginald Campbell Burn, B.A.  
 Payne, Ethel Rose, B.Sc.  
 Phillips, Frank Thomas, B.A.  
 Powell, Margaret, B.A.  
 Price, Mona Elizabeth, B.A.  
 Radmore, Lilian Marian, B.Sc.  
 Richards, Nellie, B.A.  
 Roberts, Benjamin Aylwin, B.A.  
 Roberts, John Arnold, B.A.  
 Roberts, Thomas Arthur, B.A.  
 Tanner, Mary Gertrude, B.A.  
 Thomas, Eirlys Martha, B.Sc.  
 Thomas, Esme Myfanwy Peters, B.Sc.  
 Thomas, Grace, B.Sc.  
 Thomas, Gwladys, B.A.  
 Thomas, Margaret, B.Sc.  
 Thomas, Michael Richard, M.A. (Edinburgh).  
 Turner, Nellie Gwendoline, B.A.  
 Walters, Glynne Samuel, B.Sc.  
 Williams, Gwyn, B.Sc.  
 Williams, Thomas Richard, B.A.

## PART II. TESTS OF PRACTICAL SKILL.

### *Division 1.*

Charman, Doris Florence, B.A.  
 Davies, Sarah Ann, B.A.  
 Gordon, Arthur, B.A.  
 Hooper, Ada Dorothy, B.A.  
 James, Edith Mary, B.A.  
 Jones, Edith Dilys, B.A.  
 Jones, Eiluned, B.A.  
 Jones, Olive Ethel, B.A.  
 Phillips, Annie, B.Sc.  
 Roberts, Eluned Pierce, B.A.  
 Thomas, Marion Rachel Owen, B.A.

### *Division 2.*

Andrew, Winifred, B.A. (Manchester).  
 Brace, David Richard Elfyn, B.A.  
 Burden, Eric William, B.A.



Cronkshaw, Phyllis, B.A. (Manchester).  
 Cule, Elizabeth Margaret, B.Sc.  
 Dalby, Isabel May, B.Sc.  
 Davies, Ceridwen Elizabeth, B.A.  
 Davies, Gwyneth May, B.A.  
 Davies, Olwen, B.Sc.  
 Dobson, Elsie May, B.Sc.  
 Edwards, Margaret, Doris B.A.  
 Evans, Deric Alan  
 Fielding, Ifor  
 Gray, Kathleen, B.A.  
 Griffiths, Annie Louisa, B.A.  
 Griffiths, Catherine, B.A.  
 Griffiths, Winifred Hannah, B.A.  
 Hall, William James, B.A.  
 Hearn, Evelyn Tryphena, B.A.  
 Hughes, John Ernest, B.A.  
 James, Emrys Gwynne, B.Sc.  
 Jenkins, Annie Elizabeth Ceridwen, B.A.  
 Job, Doris, B.A.  
 Johns, Sarah Christine, B.Sc.  
 Jones, Brynmor, B.A.  
 Jones, Glyn Powell, B.A.  
 Jones, Gwladys Margaret, B.A.  
 Jones, James Kennard Lloyd, B.A.  
 Jones, Jane Muriel, B.A.  
 Llewellyn, Gwyneth Irene, B.A.  
 Lloyd, Esther Winifred, B.A.  
 Morgan, Herbert Lloyd, B.A.  
 Morgan, John Kenneth, B.A.  
 Morgan, Ray, B.A.  
 Newell, Edith Margaret, B.A.  
 Oliver, Reginald Campbell Burn, B.A.  
 Payne, Ethel Rose, B.Sc.  
 Phillips, Frank Thomas, B.A.  
 Powell, Margaret, B.A.  
 Price, Mona Elizabeth, B.A.  
 Radmore, Lilian Marian, B.Sc.  
 Richards, Nellie, B.A.  
 Roberts, Benjamin Aylwin, B.A.  
 Roberts, John Arnold, B.A.  
 Roberts, Thomas Arthur, B.A.  
 Tanner, Mary Gertrude, B.A.  
 Thomas, Eirlys Martha, B.Sc.  
 Thomas, Esme Myfanwy Peters, B.Sc.  
 Thomas, Grace, B.Sc.  
 Thomas, Gwladys, B.A.  
 Thomas, Margaret, B.Sc.  
 Thomas, Michael Richard, M.A. (Edinburgh).  
 Turner, Nellie Gwendoline, B.A.  
 Walters, Glynne Samuel, B.Sc.  
 Williams, Gwyn, B.Sc.  
 Williams, Thomas Richard, B.A.

## SUPPLEMENTARY LIST, 1929.

## PART II. TESTS OF PRACTICAL SKILL.

*Division 2.*

Jones, Margaret Eilrad, B.Sc.

The following College Diploma was awarded in December, 1930:—

*Diploma in Animal and Human Biology*:—  
Faiyaz Bahadur Khan.

The following College Diplomas were awarded in June, 1931:—

*Diploma in Music*:—  
Gladys Mary Hicks.  
Mary Winiired Jones.*Diploma in Handicraft*:—  
*Class II.*  
Mary Catherine Edwards.  
Eirlys Enos.*Diploma in Agriculture*:—  
George Roy Edwards.  
Donald Edwin Ralph.  
David Beynon Thomas.*Degree of M.A.*

Thomas Gomer Evans	..	..	Education.
Louis Meredith Thomas	..	..	English.
Edith Maria Young	..	..	English.
Peter Edward Phillips	..	..	French.
Emyr Estyn Evans	..	..	Geography—with distinction.
Clarice Lilian Shelley	..	..	German—with distinction.
Thomas Hevin Williams	..	..	Welsh—with distinction.

*Degree of M.Sc.*

Evan Thomas Jones	..	..	Agricultural Botany.
Evan Llewelyn Harry	..	..	Agricultural Economics.
John Pryse Howell	..	..	Agricultural Economics.
Rees Davies	..	..	Botany.
Idwal George Jones	..	..	Chemistry.
Arthur Davies	..	..	Geography.
Joseph Jones	..	..	Pure Mathematics.

*Degree of Ph.D.*

David James Davies	..	..	Agricultural Economics.
Dafydd Islwyn Jenkins	..	..	Chemistry.
John Richard Erichsen Jones	..	..	Zoology.
Brij Lal Sethi	..	..	Agricultural Botany.

*Degree of D.Sc.*

Cecil Whitfield Davies	..	..	Chemistry.
------------------------	----	----	------------

## GREEK.

Mr. E. D. T. JENKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary ..	6	2	4	3
Intermediate ..	15	—	13	7
Subsidiary ..	7	—	7	7
Final ..	1	—	1	1
Hons. 1st Year ..	—	—	—	—
Hons. 2nd Year ..	—	—	—	—
<b>TOTALS ..</b>	<b>29</b>	<b>2</b>	<b>25</b>	<b>18</b>

The number of students in the Department will be found to be approximately the same as in the Session 1929-1930.

The *Elementary* Class was composed of those who were studying the language for the first time; two of these had given up before the end of the first term, and of the remaining four, three were industrious and deserved their success in the examination. Mr. John E. Davies showed considerable promise.

*Intermediate.* This class was almost wholly composed of (a) those who had taken the Elementary course in College the previous session, and (b) others who had pursued the study of the language for some appreciable time, but had not passed any examination in it, having entered College under the Mature Matriculation scheme. The proportion of failures among those in the latter category was high. Such students for the most part are handicapped for the purposes of linguistic study, owing to defective notions of grammar and syntax in general. A few of them, to their great credit, surmount these difficulties by dint of patience and perseverance, but others are more half-hearted and never come to real grips with the language. The tendency of all students alike, at this stage, is to trust to the memory rather than the understanding and the unsatisfactory results of this appear in Composition and Unprepared Translation.

*Subsidiary.* No one in this class was outstanding, but all took a serious view of their work and deservedly passed the examination. Four of them will be sitting Latin Honours next year.

*Final.* Miss L. M. Billingham made gratifying progress throughout the session, especially in Prose Composition, and her work in the examination made a very favourable impression.

Mr. Eric Evans, a former student, to whom reference was made in last year's report, has since then been appointed to an Assistant Lectureship at Cardiff.

Once more I desire to express my indebtedness to Mr. P. K. Baillie Reynolds, Lecturer in Ancient History, and to Mr. F. H. Dowler, Assistant Lecturer in Classics, for their help and co-operation. I must also express my gratitude to Professor Bensly, who, as in previous sessions, has delivered valuable lectures to the Final and Subsidiary classes on the principles of Textual Criticism.

The Head of the Department has continued to give help to the Principal in the proof-reading for the new edition of Liddell and Scott.

I am grateful to Miss Mary Brebner for a gift of three volumes on Homer, to be presented to deserving students of the Department.

### LATIN.

Professor J. F. MOUNTFORD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Preliminary ..	22	6 withd'n 2 transf'd. }	14	12
Intermediate ..	21	4 withd'n	17	8
Modified ..	24	2 withd'n 2 joined }	23	8
Subsidiary ..	21	—	21	18
Final .. ..	6	1 joined.	7	7
Hons. 1st Year ..	7	1 transf'd.	—	—
Hons. 2nd Year ..	4	—	4	1 (Cl. I.) 1 (Cl. IIa.) 1 (Cl. IIb.) 1 (Cl. III.)
<b>TOTALS ..</b>	<b>105</b>	<b>12</b>	<b>86</b>	<b>57</b>

The number of students in the Department is approximately the same as last year; the distribution differs but slightly.

In the *Preliminary* Course, those who pursued their work seriously made fair progress; two were transferred during the session to the Modified Course and several others will sit the examination for that course in September.

The *Intermediate* and *Modified* Classes were even less successful than those of last year; but some candidates may pass the examinations in September. Most of the students in these classes are studying Latin as a course prerequisite for Honours in other Departments; the difficulty they find in satisfying what, after all, is a very moderate requirement, arises chiefly from two causes: (1) many of these students enter College with a Higher Certificate, but their study of Latin has been interrupted for two years while they were specialising on other subjects at school; (2) many of them resort to cribs in the preparation of their set books, and consequently obtain no genuine knowledge of Latin and flounder hopelessly when they are confronted with the simplest piece of unseen translation.

The *Subsidiary Class* was slightly larger than last year and did very good work. The majority will proceed to the Final or Honours Class next year. Miss Nelian Rees did excellent work.

The members of the *Final Class*, including one transferred from the group of first-year Honours students, all passed the University examination with ease.

*Honours Course.* Of those who took the University examination in June, Mr. Thomas Jones was placed in Class I. and his work was commented upon very favourably by the External Examiner. Miss Dilys Jenkins, who has made steady progress throughout her career in College, took a high place in Class IIa. The two other candidates did creditable work.

*General.* During the session, Mr. Baillie Reynolds has continued to give his loyal co-operation. Mr. E. D. T. Jenkins has kindly given instruction to an Honours student in the Stoic philosophy. Professor Bently delivered lectures on Textual Criticism during the second term to the Honours class.

The Faculty and Senate have agreed to the discontinuance of the Modified Course after this session. This course was confessedly an experiment; and partly as the result of changed circumstances it seems to have outlived its usefulness. In future all students who need Latin as a prerequisite for Honours in another Department will take the ordinary Intermediate Course and will be considered to have fulfilled the requirements if they reach a satisfactory standard of translation from Latin into English, even though they do not pass the course as a whole.

During the year, thanks to a sum allocated from a special grant, I have been able to form the nucleus of a Departmental Library which is housed in my room in College. Students in the Honours Class are allowed to work in that room every afternoon, with the most important books ready to hand. During week-ends and vacations the books are out on loan.

The Assistant-Lectureship in Classics vacated by Mr. Dowler has been filled by the appointment of Mr. A. M. Duff, who has had six years' experience in the Greek Department at Aberdeen, and is the author of a volume on *Freedmen in the Early Roman Empire*.

During the Easter vacation, two members of the Honours Class, Mr. T. Jones and Mr. L. Saer, were enabled to visit Rome with grants from the fund for Travelling Scholarships. They used their opportunities to the full and received much profit and stimulus from their experience.

Mr. Baillie Reynolds is preparing his final reports on the excavations he undertook at Caerhun. Last summer he was engaged in the excavations at St. Albans (and had with him two students from the Department); this summer he will again be at St. Albans. I have continued to assist the Principal in proof-reading for the new edition of Liddell and Scott. During the Easter vacation I was allowed to examine the very precious Codex Bezae of Terence (IVth. cent.) in the Biblioteca Vaticana. I collated the interesting scholia (added in the VIth cent.) and hope to find means of publishing them. An article in which I elucidate a new fragment of Greek music is due to appear during the summer vacation.

## GERMAN.

MR. DAVID EVANS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	53	21	32	22
Subsidiary ..	16	2	14	11
Final ..	8	—	8	7
Hons. 1st Yr. ..	3	1	2	2
Hons. 2nd Yr. ..	—	—	—	—
Research ..	1	—	—	—
<b>TOTALS ..</b>	<b>81</b>	<b>24</b>	<b>56</b>	<b>42</b>

In the above table the number registered for Intermediate at the beginning of the Session includes also the Elementary class, and the number withdrawn from the Intermediate is mainly the Elementary class and those who followed for a term or more for the sake of getting some acquaintance with the language.

Special classes were held twice a week for Honours Chemistry and Honours Botany respectively. The work of these Science students was very satisfactory.

On the whole the work of the Arts students during the session showed good work and steady progress. There were no final Honours candidates, but Mr. E. H. Jones and Mr. L. Morgan will take the Honours examination next session. The work of the following was of a very high standard—Miss Olive Harris at the Final stage, Miss Marjorie Gibbon, Miss Louise P. Thomas, and Mr. Leslie Williams at the Subsidiary stage, and Miss Nelian Rees, Mr. Eifon Evans, Mr. George Lewis and Miss Ceinwen Jones at the Intermediate stage.

Mr. Handel Bowen Edwards has begun his research work on the development of dramatic technique. After one term in residence, he was permitted to hold his University studentship at the University of Munich. He contributed a short article to the *Dragon*, giving his impressions of student life in Germany.

Miss Lilian Shelley was appointed as part-time Assistant Lecturer on the staff of the department for this session. Miss Shelley held a studentship for two years and completed her research on the "German Novel between 1850—1870 and its relation to French and English literature." She was awarded the M.A. degree with distinction in January, 1931. Miss Shelley has been appointed to the staff of the German Department of Manchester University, for session 1931-32 as Assistant Lecturer, and will be followed by Dr. Schenk of Munich.

Outside the department and apart from the above Science classes, the members of the staff continue to give much time and work; Mr. David Evans gave the usual four lectures on German Tragedy to the Honours English Literature Class, a few lectures on general topics in the district, and will give three general lectures on Memory, Attention

and Interest, in a Summer School to be held at Coleg Harlech from August 24th—29th. Miss Shelley had two classes for members of the staff desiring to learn German, and the staff is regularly applied to for translation into German or English of scientific periodicals and documents for members of the staff, research students and the public.

The extra Library grant of £40 has enabled me to get the very valuable "Zeitschrift für deutsches Altertum" in 66 volumes for the departmental library, and the special equipment grant is gratefully appreciated. Several books also have been very kindly presented to the library.

I desire to express my great indebtedness to my colleagues, Miss Hermia Rees and Miss Lilian Shelley, for their valuable help in all ways, to Dr. A. B. Thomas for lectures and demonstrations in phonetics; to Professor Parry-Williams for advice on some of my publications, and to Mr. Read, the editor of the *Cambrian News*, and Mr William Ll. Davies, the Librarian of the National Library of Wales, for their kind and courteous permission to take a group of students of the department through a modern printing establishment and our National Institution. The lectures and demonstrations given by Mr. Jones, the head of the printing works, and by the heads of various sections of the National Library, were very deeply appreciated.

### FRENCH.

PROFESSOR J. L. ANDRE BARBIER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	23	2	21	13 plus 3 who failed subsidiary.
Subsidiary ..	22	—	24 including 2 promoted from Inter- mediate during the session.	
Final .. ..	} 22	—	16	17
Hons. 1st Yr. ..				
Hons. 2nd Yr. ..	7	1	6	6
TOTALS ..	74	3	67	52

The work and progress of students of all grades were generally very satisfactory. Of the six students who were presented for the Honours Examination, three obtained a first class, and were also granted the Certificate of Oral Proficiency. The other three were placed in the second division of the second class.

Mr. Peter Edward Phillips completed his scheme of study for the degree of Magister in Artibus, and presented in June a dissertation on

"English Literature in the critical work of Hippolyte Taine." The examiners found it to be a sound and interesting piece of work and recommended that Mr. Phillips be admitted to the degree of Magister.

Six past students are now engaged in the preparation of M.A. dissertations, and I hope that several of them will present themselves for examination next session.

Seven students who pursued the first year of their Honours course during the session 1929-30, were appointed last October English Assistants in Lycées or Normal Colleges in France. They will return here next session to pursue the second year of their Honours course. It is to the credit of this College that seven of its undergraduates were considered qualified to fill such posts.

Ten students of this department were awarded Travelling Scholarships in June, 1930, and were thus enabled to spend their long vacation in various parts of France. May I say once again how highly these Travelling Scholarships are appreciated in the Department of French; they make it possible to maintain a high standard not only in the oral work, but also in all the other parts of the subject.

During the session, Miss Margaret Phillips has made good progress with the book she is now writing for the University of Paris on Philarète Chasles, and I have investigated several problems of French Philology and inquired into aspects of modern French literature which entailed a considerable amount of research; the results will, I hope, soon appear in print.

To my colleagues, Miss E. Margaret Phillips, Dr. A. B. Thomas and Mr. R. L. Devos, I desire to express my great indebtedness for their unflinching support and valuable assistance.

### PHONETICS.

DR. A. B. THOMAS.

	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking College Exam.	No. passed.
	28	6	22	13

A course of weekly lectures on General Phonetics with special attention to English, French and German was given, and was attended by students from the French Department. No doubt, time-table difficulties account for the absence of students from other language departments.

During the session, I delivered three lectures on Phonetics, illustrated by lantern slides and experiments at University College, Swansea, under the exchange of teachers' scheme.

Mr. T. I. Phillips, who worked in the Phonetics Laboratory for a short time last year, was awarded a prize of £20 by the National Eisteddfod Association (Llanelly) for his essay: "A Scientific Study of a Welsh Dialect."



## ENGLISH.

PROFESSOR J. W. H. ATKINS.

Grade.	No of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	45	4	41	29
Subsidiary ..	68	3	65	51
Final .. ..	38	—	38	31
Hons. 1st Yr. ..	12	—	11	11
Hons. 2nd Yr. . .	12	—	12	12
Postgraduate ..	1	—	—	—
<b>TOTALS ..</b>	<b>176</b>	<b>7</b>	<b>167</b>	<b>134</b>

During the past session the usual courses have been given, and the year's work, on the whole, has produced results of a highly satisfactory kind.

It is with pleasure that we record the interesting research work that is being done by Mr. B. J. Morse, M.A., a former student of the Department, and at present English lektor at Osnabruck. He has recently contributed to the German periodicals, *Anglia* and *Englische Studien*, a number of articles of a literary kind, on "Christina Rossetti in Italy," "James Joyce and Shakespeare," and "D. G. Rossetti and Wm. Blake," all of which are of considerable value and interest. Miss E. M. Young, B.A., another former student, was awarded, in the course of the session, the degree of M.A. for a dissertation on "An Appreciation of Henry James as a Novelist." Mr. B. G. Charles—holder of a University studentship—has been engaged during last session on an inquiry into "Old Norse and Welsh relations," in which he has made satisfactory progress; while in the coming session five other old students will be working externally under supervision on M.A. work.

The Honours Class this year was in quality well above the average and the Degree results were of a highly satisfactory kind. Out of 12 candidates, all were awarded Honours; and of these three were placed in the First Class, viz., Miss A. Rhiannon Morgan, Miss Enid Oliver, and Mr. D. M. Theophilus. Of the remainder, three were placed in the Second Class (Div. I.), four in the Second Class (Div. II.), while two were awarded Third Class. On the whole it must be described as one of the best and most interesting classes we have had in the Department.

Of the First Year Honours students, 12 in number, 11 were successful in completing a satisfactory year's work, the work of Miss A. R. Jones being of outstanding quality.

At the Final (Pass) Stage, out of 38 who sat the examination, 31 were successful. At the Subsidiary Stage, out of 65 candidates, 51 passed the College examination, while at the Intermediate Stage, out of 41 candidates, 29 completed the course. Three students entered for the Further Test and qualified for admission to First Year Honours next Session.

As in previous years, the work of the Department has been greatly assisted by the short courses of lectures given by Professor Barbier and Mr. David Evans on French Tragedy and German Tragedy, respectively. This assistance is greatly appreciated by both staff and students, as contributing in a most valuable fashion to the comparative study of literature.

In conclusion, I should like to express once again this year my gratitude to my colleagues in the Department; to Miss Winstanley for her unsparing efforts in teaching and her loyal support in the general departmental work; to Mr. Earnshaw for the efficiency and skill he has shown not only in his lecture work, but also in his organisation of the exercise work of the lower grades; and to Mr. Palmer for his work, more especially in connection with Old Norse studies. Mr. Palmer has carried on the work of Mr. Garmonsway in a most successful fashion and has already proved himself to be a valuable addition to the teaching strength of the Department.

### HISTORY.

PROFESSOR R. F. TREHARNE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	41	5	36	30
Subsidiary ..	65	5	60	56
Final .. ..	30	—	31 (inc. 1 1st Yr. Hons.)	26
Hons. (1st Yr.)	8	1	—	—
Hons. (2nd Yr.)	8	—	8	8 { 3 IIa. 3 IIb. 2 III.
Prelim. M.A. ..	1	—	3 (inc. 2 externally)	3
Research ..	3	—	—	—
<b>TOTALS ..</b>	<b>156</b>	<b>11</b>	<b>138</b>	<b>123</b>

The number of students in the Department this session shows a slight increase at the Subsidiary and the Final stages.

The *Intermediate* Class was disappointing; no student did first class work, though a few did moderately well. The class contained too many illiterate students, totally unable to express their ideas even when they had any ideas to express.

The *Subsidiary* Class did very good work, with a surprisingly few failures and a very high average level. Messrs. A. W. Rees, A. J. Roderick, J. M. Davies, and I. J. Sanders, and Miss R. M. R. Sutton did first class work throughout. Half the class has already entered for the Final or the First Year Honours Course next session. Of the nine students who will be allowed to proceed to the First Year Honours Course, the five above-mentioned should do very well indeed, while the other four are all very competent.

The *Final Class* also did good work, Messrs. J. V. Davies, J. B. Jarvis, A. J. Mole, and G. Hopper deserving special commendation. The Final and First Year Honours Courses being identical this session, four Final students will be allowed to enter the Second Year Honours course next session. By more stringent scrutiny of students entering the Final course we hope to reduce the number of failures in future sessions, though the proportion of failures was not unduly high this time.

*Honours.* The Second Year Honours group, though rather weak, acquitted itself well in the degree examinations. Miss E. J. Williams doing very creditable work. All eight students passed—three in Class IIa, three in Class IIb, and two in Class III. Unfortunately, four of the eight will be unable to graduate this year, as they have not yet obtained passes in Intermediate Latin. To prevent any recurrence of such undesirable cases, I have decided to allow no student to enter the Second Year course until he has completed all his accessory courses.

The First Year Honours group was also weak, with the exception of Mr. F. R. Lewis, who has done first-class work of a very high order throughout the session. The average level of the group will be raised next session by additions from this year's Final Class. It is, however, impossible for any but first-class students to do work of genuine Honours character in the first Honours year, as long as much more than half of their time is spent on accessory subjects. The further fact that First Year History Honours students take no History examination in June encourages them to neglect their Honours work for the accessory subjects in which they are examined, and their reading suffers heavily in consequence.

Weekly essay classes were introduced for Second Year Honours' students and for Subsidiary students intending to proceed to Honours in History. The purpose of these tutorial classes was partly to compel Honours students to study the more important books relating to their Honours courses, and partly to train them in expressing their ideas by writing frequent essays on limited but important topics; in the case of the Subsidiary students there is the further advantage that their teachers are thus enabled to form an opinion of the capabilities of students who wish to enter the Honours course next session. The results were highly satisfactory, alike in the stronger and the weaker cases; the students' outlook on their work was in many cases radically altered, and great enthusiasm, interest, and a very high level of work were shown by most of the essay class students. A few unsuitable candidates for Honours were advised against proceeding to the First Year Honours course next year. The contact established between students and teachers by this system is one of the most valuable means of maintaining a genuine Honours School, especially as it affords opportunity for advising students in systematic courses of advanced reading, according to individual inclination, with close discussions between teachers and the whole student-group, acting as a unit, on topics of individual interest. The system also facilitates a close supervision of Honours students' progress or difficulties in their accessory courses—a supervision which not only encourages and safeguards the successful students, but also assists even those who withdraw from the Honours course to make the best of the partial successes which they have achieved. In future years the essay classes will be held at the Subsidiary and the First Year Honours stages, where the maximum benefit will be obtained. The system will be extended to the Pass students at the Final stage if ever staffing arrangements permit; only in some such way as this will we ever be able to overcome the general refusal of all but the best students to read anything more than the text-books prescribed for their courses. At present the great majority of Pass students do no advanced reading, and more or less garbled

versions of lecture notes do duty instead; the educational value of such work as this is almost nothing.

*Research.* The three Research students, Mr. C. E. Gittins, working on "Condorcet as an Educational Theorist" (under Professor Chapple and Mr. Herbert), Mr. A. Towyn Jones, working on "Local Government in Wales in the Sixteenth Century" (under Professors E. A. Lewis and T. S. Roberts), and Miss A. B. Jones, working on "Wages and Prices in Wales in the Sixteenth Century" (under Professor E. A. Lewis), have all done commendable work, though no theses were presented for higher degrees this season.

*Re-organisation.* Considerable changes in courses and work were necessitated by staff changes, and opportunity was taken of re-organising the degree schemes. The new plan for Pass and Honours students in History began to operate this session at the Subsidiary stage; next session it will affect Final and First Year Honours students, and it will take full effect throughout the department in the session 1932-3. As before, Intermediate students will take a single outline course in World History; Subsidiary students will do two parallel courses in Medieval and Modern European History; Final students will do two parallel courses in Medieval English and Modern British History, with a third course, a shorter special period, in *either* Welsh History *or* Nineteenth Century History. Honours students will, in their first year, do the Final course, with additional study of the documents of Medieval English and Modern British History, and with a wider choice of special periods (Roman History, Welsh History, Colonial History, and Nineteenth Century History), leading up to the Special Subject in the following year. In their second year they will take courses in Economic History, in *either* Political Philosophy, *or* International Politics, *or* Comparative Politics, and in Nineteenth Century History (if not already taken); but most of their work will lie in the limited Special Subjects (Ancient History, Medieval History, Welsh History, Colonial History *or* Nineteenth Century History), in which original sources will be studied intensively, and students will write theses involving original investigation in the chief authorities, primary and secondary, of their subjects. The effect will be to give Honours students a comprehensive survey of the growth of Western Society from the fall of Rome to the present day, with a detailed study of the development of the British State, and an intensive study of historical method in the Special Subject: the complementary courses in Economic History, Political Philosophy, etc., will enable students to view their work from new angles. The Honours examination will be drastically altered to suit this scheme, and will sum up all the historical work done by students from their entry into College. The chief defect of the scheme is its omission of an outline course in Ancient History; an accessory course in this subject at the Subsidiary stage would remove this defect.

In addition, language requirements for Honours students have been changed; a reasonable degree of fluency in translating from both Latin and French is required, though a full pass in the entire Intermediate examination in these subjects is no longer necessary. In drafting the scheme my colleagues in the department, Professor Roberts and Mr. Herbert, gave me invaluable help based upon their experience of the working conditions in the Department, and I also owe much to the helpful and constructive criticism of several of my colleagues on the Board of Historical Studies and in the Faculty of Arts. I also wish to acknowledge gratefully the generous consideration shown to the History Department by the Library Grants Committee and by the Council; the funds allotted have been used mainly to purchase what is undoubtedly one of the finest collections of historical wall-maps in the country, and also to fill up gaps in the historical section of the library, and to commence

a small seminar library which will be used as a laboratory for students taking the Medieval Special Subject.

Few departments owe more than the History Department owes to co-operation from the teachers in other departments. The Intermediate course owes much to the generous help of the Principal, Professor Chapple, the Rev. H. Morgan, and Mr. Baillie Reynolds; and I have also to thank the Vice-Principal for the Honours course in Welsh History, Professor E. A. Lewis for the course in Economic History, and Professor Webster and Dr. and Mrs. Vranek for the course in International Politics, taken by our History Honours students. In addition, Mr. E. D. T. Jenkins has kindly undertaken to help in the new course in Political Philosophy, while Mr. Baillie Reynolds has made special arrangements for History Honours students taking the Special Subject (2nd year), and the Special Period (1st Year) in Ancient History next session. The special facilities and instruction offered by Professor Barbier to History Honours students in the French Department are another valuable instance of departmental co-operation. To all of these teachers my colleagues and I tender very sincere thanks.

New courses and schemes have somewhat obstructed the private research work of my colleagues and myself. Professor Roberts continues his investigations of contemporary history in the writings of Geoffrey of Monmouth and Sir Thomas Malory. I have been occupied with the proofs and index of my book on "The Baronial Plan of Reform, 1258—1263," and with a number of articles on English Medieval History for the *Enciclopedia Italiana* under the letter E.

Mr. Herbert has lectured at Swansea under the University Exchange Scheme, and has conducted week-end schools for the W.E.A. at Newport, Merthyr Tydfil, and Caerleon. I have lectured to the Oswestry branch of the Historical Association.

In conclusion, I have to thank my colleagues, Professor T. S. Roberts, for his valued co-operation, especially in taking the Modern British History course, and Mr. Herbert for the whole-hearted loyalty and enthusiasm which he has given to the Department, both in the ordinary work of teaching and advising students, and in the abnormal difficulties of re-organisation; such co-operation promises a sure foundation for the future of the History School.

## COLONIAL HISTORY.

PROFESSOR T. STANLEY ROBERTS.

The Final Class of last session was considerably larger than its immediate predecessors. The students were interested in Colonial History, and did very good work.

The Honours Class was small but satisfactory.

The Classes taking British History and Constitutional History were larger. The work done was good; but there were no students of outstanding capacity therein who graduated this year.

## PALAEOGRAPHY.

PROFESSOR E. A. LEWIS.

The courses of instruction in Palaeography were held in the new Palaeography Room in No. 9, Marine Terrace. Four postgraduates and one undergraduate attended the classes.

## ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR E. A. LEWIS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	—	—	—	—
Subsidiary ..	79	7	72	63
Final ..	32	2	30	30
Hons. 1st Yr. ..	(8)	—	—	—
Hons. 2nd Yr. . .	7	—	7	7
Econ. History. . .	15	—	15	13
Postgraduate ..	4	—	—	—
TOTALS ..	137	9	124	113

The number of students pursuing the various courses in the Department (137) shows a substantial increase over that of last year.

The *Subsidiary Class* (79) was unusually large, and was subdivided into five seminar groups for the purposes of essay and discussion work. Much credit is due to Miss Braithwaite, both for organising these groups and for much special work with individual members of the class at odd hours owing to the complications of their respective time-tables. Of the 72 candidates who presented themselves for examination in June, 63 were successful. On the whole the class did very creditably, and there were several members who showed considerable promise, notably F. R. Lewis, B. M. Mulloth, C. G. Parry, A. W. Rees, I. J. Sanders and J. H. Smith.

The various alternative courses offered at the Final stage were taken by 30 students—Final Economics 25, Final Politics 3, Final Agricultural Economics 2. The class proved itself to be an exceedingly good one, and unique in that all its members were successful in their University examination. Several candidates, who contemplate taking the Honours course in the Department next year, presented work of a distinctive and high quality. A gratifying feature of the work at this stage in recent sessions has been the gradual increase in the number of students choosing Statistics as one of their alternative courses. The Department is much indebted to Mr. Percy George for his efficient organisation of this branch of its work. A special grant from the non-recurrent Treasury Library Grant has enabled the Department to secure a complete set of the *Journal of the Royal Statistical Society* (1838—1930). This will prove an invaluable addition to the Statistical section, which is already being much used by College departments other than that of Economics.

There were seven candidates in the Honours Class. The progress made, on the whole, was very satisfactory, though the achievement of some of the members, though very creditable, hardly came up to expectations. Mr. Emlyn Thomas did work of outstanding distinction, and was awarded a high First Class. Of the other six candidates, five were placed in the Second Class, Division I., and the other Second Class, Division II.

During the Lent Term, a distinguished old student of the College, Mr. J. Conway Davies, M.A., gave a special course of four lectures on

"Rationalisation," with an informal discussion class at the end of the course. The lectures were well attended and much appreciated. Mr. Davies kindly offered prizes for essays on the subject, and several students responded. The first prize was awarded to Mr. Emlyn Thomas.

*Postgraduate Research, etc.* There were 4 postgraduate research students in residence during the whole or part of the Session. Mr. Oliver E. James began an investigation into "The Commercial Relations of Wales and Ireland to the close of the Sixteenth Century," but at the end of the Michaelmas Term, he left to take up a teaching appointment in London. Mr. E. T. Griffiths, who was awarded the residue of the College Research Scholarship held by Mr. James, continued his study on some geographical and economic aspects of the Cotton Industry. Mr. Eynon Lloyd is preparing an M.A. dissertation upon some aspects of the social and economic work of Robert Owen, and for this purpose, has carefully examined the unpublished data relating to his subject at the National Library of Wales, Newtown, and the Rylands Library, Manchester. Miss A. B. Jones, the holder of a Sir John Williams Research Studentship, made satisfactory progress with her study of "Work, Wages, and Prices in Wales during the Sixteenth Century." Mr. P. Mansel Jones, an Honours student of the department in 1929, secured a University Studentship in June, 1930, and has commenced a scheme of study for the degree of Ph.D. in the University of Wales under the direction and supervision of Professor A. W. Ashby. Miss M. F. Jolliffe and Mr. Brinley Thomas, holders of University Fellowships, continued their Ph.D. schemes of study at the University College, London, and the London School of Economics respectively. Three former Honours Students of the department are to be heartily congratulated upon obtaining higher degrees in June 1931, namely:—Mr. E. T. Harry (M.Sc. Wales), Mr. D. J. Davies, (Ph.D. Wales) and Mr. Brinley Thomas (Ph.D. London).

Important teaching appointments secured by old Honours Students of the department during the year, include that of Assistant Lecturer in Economics at the London School of Economics, to which Mr. Brinley Thomas has been elected, and that of Assistant Lecturer in Economics at the University College of North Wales, Bangor, by Miss M. F. Jolliffe, also Mr. D. Hughes-Lewis was appointed Residential Tutor to organise and conduct Extra-Mural work under the auspices of the College in the "premier" county of Pembrokeshire.

My sincere thanks are due to Mr. Percy George and Miss Braithwaite for their efficient and loyal help, and also to Mr. and Mrs. Vranek and Professor Ashby for their kind co-operation. I also take this opportunity of extending a hearty welcome and best wishes to Professor R. B. Forrester, who will take my place as Head of the Department next session, and to Mr. J. Morris B.Sc. (Econ), who will succeed Miss Braithwaite on her appointment to a Lectureship in Social Economics in the University of Birmingham. Miss Braithwaite, during her two years on the staff of the Department, has rendered excellent service to the Department and the College in many ways. It is hoped that the informal Economics Group which she, in conjunction with Mr. George, initiated last year, will be continued and established on a permanent basis in the near future.

## INTERNATIONAL POLITICS.

PROFESSOR C. K. WEBSTER.

I was in residence during the Autumn term and gave a course of public lectures on "Continents in Conflict," which was well attended. The usual courses on International Organisation and Comparative Government were continued as well as the course on Diplomatic History.

Dr. and Mrs. Vranek (Miss Lilian Friedlander) were appointed jointly to the post of Assistant Lecturer in place of Mr. Sydney Herbert, Mrs. Vranek, as Wilson Student, and as Assistant Lecturer, had previously been a member of the Department, and there was thus no break in the tradition.

Though the courses are now open to History as well as to Economics students, the number has not increased, but some good work has been done. Mr. D. J. Llewelfryn Davies, of the Law Department, gave two lectures on the Permanent Court of International Justice. The Library was used considerably by Staff and students of other Departments. The growing collection of documents demands constant attention from the Secretary Librarian, Miss Morris.

Mr. Hughes Lewis was working in the Department as a Wilson Student throughout the session. He has subsequently been appointed as a Tutor in Extra-Mural work under the College. We were also glad to welcome Mr. Jones Parry, of Bangor, who used the library in the Michaelmas term. No Wilson Studentship has been given this year owing to lack of funds.

I gave a number of public lectures in Britain, including addresses at Westfield College, Birmingham and Cambridge Universities, and the Air Staff College. Dr. Vranek had leave of absence in the Michaelmas term to deliver a course of lectures at the Free School of Political Science in Prague, Czechoslovakia. Mrs. Vranek acted as tutor at the Coleg Harlech Summer School for a week. She also represented me at the meeting of the British Co-ordinating Committee on International Studies. Both Dr. and Mrs. Vranek will teach at the Geneva School of International Studies during the Summer.

In September, 1930, I attended the Assembly of the League of Nations at Geneva, and from February to June I was at Harvard University, where I lectured on British Foreign Policy and also gave a number of lectures on the Great War and Peace Treaties to the Freshmen. I also spoke on various subjects to the Council of Foreign Relations, New York, the Foreign Policy Association, Boston, Boudoin College, Philip Exeter School, and the Naval Academy Annapolis. I visited Washington as usual, and met a number of diplomatists and politicians.

## WELSH.

PROFESSOR T. H. PARRY-WILLIAMS.

Grade	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. Passed.
Intermediate ..	32	3	29	26
Subsidiary ..	31	(1 deceased)	30	25
Final ..	22	—	22	20
Hons. 1st Yr. ..	(7)	—	—	—
Hons. 2nd Yr ..	6	—	5	5
Research ..	1	—	—	—
Totals ..	92	4	86	76



There was an increase in the number of students pursuing courses in the Department this session. The usual classes were held, and the year's work has been quite satisfactory.

*Intermediate Stage.* This class included several "Mature Matriculants," but in spite of disadvantages these students made good progress. As frequently in past years, there were not many outstanding students: the best were Miss Glenys H. Jones, Miss S. Watkins, Mr. T. Maelgwyn Davies and Mr. T. R. Jones.

*Subsidiary Stage.* In this class there were seventeen first-year students who were allowed to take the second year course in their first session. With one exception, they did excellent work. One very promising student among them (Miss M. Elsie Evans) died during the Christmas vacation. The performance of the class as a whole was most gratifying. The best students of a very good class were Miss A. Whittington Hughes, Miss Phyllis Menna Jones, Miss A. Dorothy Williams, Mr. T. Proffit, Mr. T. S. Davies and Mr. H. V. Morris Jones.

*Final Stage.* Some of the best members of this class were those who had shown very good promise in their first year at the subsidiary stage. Their progress was well maintained. As in former years, the class included seven or eight First Year Honours Students, and these naturally showed the best performance during the session. The work done by the following is worthy of special mention,—Miss Emiah J. Thomas, Miss Mair Irene Rees, Mr. H. Meurig Evans, Mr. J. Gwynfil Rees and Mr. John Thomas.

*Honours Stage.* All the First Year Honours Students, who in addition to pursuing the Final Course, did work of Honours Grade, passed the Final examination. Of the six students that formed the Second Year Honours class, one, Miss Elizabeth M. Jones, had unfortunately to abandon the course at the beginning of the last term, because of ill-health. The class worked steadily and with enthusiasm throughout the Session, as they had done during their First Year Honours Course. Mr. J. J. Glanmor Davies, B.A., whose work had always been of excellent quality, obtained a very good First Class, and Mr. Dewi Machreth Ellis, another promising student, was also placed in the First Class. Two, Mr. Isaac Davies and Mr. Emlyn Morgan, who had worked steadily, were placed in the First Division of the Second Class, and Miss Olwen Williams in the Second Division, Second Class.

Mr. Thomas Hevin Williams, B.A., who had held a Sir John Williams Studentship for two years, and who was awarded a scholarship from the same fund this session, completed a scheme of study on "The Place-Names of Merioneth" and presented it for the Degree of M.A. He was awarded the degree with distinction. Mr. Williams has made a complete and exhaustive study of the subject. He is a most methodical research worker, and in this work, which I hope to see published soon, he has arranged the material which he has collected from all kinds of sources, printed and manuscript, in a systematic manner, and dealt scientifically with the whole subject.

Travelling scholarships were awarded by the College to the First Year Honours Students.

Some past students are elsewhere doing research work under the direction of the Department.

Lectures were delivered by the Head of Department and Mr. Gwenallt Jones to various societies, and some adjudicating work was also done.

The Department invited Professor Henry Lewis of Swansea to deliver a course of lectures during the Second term, under the Exchange of University Teachers Scheme. Professor Lewis gave a very interesting course on "Some Aspects of Welsh Syntax."

I wish to express again this year my indebtedness to my colleague, Mr. D. Gwenallt Jones, for loyal and efficient assistance, and to Professor T. Gwynn Jones for his helpful interest.

### CELTIC RESEARCH AND PALAEOGRAPHY.

MR. TIMOTHY LEWIS.

During Session 1930—31 a course of weekly lectures was given on Celtic Research, based upon the Mabinogion and Scandinavian Laws and Sagas.

Parts of those lectures are now published in Book Form.

One student was also doing research in Welsh Lexicography and another on the relationship between Celtic and Scandinavian Literature.

### WELSH LITERATURE.

PROFESOR T. GWYNN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No passed.
Final .. ..	7	1	5	4
Hons. 1st Yr ..	3	—		
Hons. 2nd Yr.	5	—	3	3
Totals. ..	15	1	8	7

Two students of the Language Department attended the classes in the Final Stage. A graduate of another University, pursuing the Honours Course in Literature, and a student preparing for the Preliminary M.A. examination also attended the Honours Class. The latter will be examined next year. The work of the successful students in the Sessional Examinations reached a very satisfactory standard, the Essays on special subjects, prepared unaided and submitted during the third term by the Honours candidates as well as periodical essays in both classes, showing exceptional merit. In the Honours Stage, Mr. Griffith Aled Williams was placed in the First Class and Mr. John Idris Evans and Mr. Benjamin George Owens, B.A., in the First Division of the Second Class.

The work done during the Session by the holders of Sir John Williams Studentships has been eminently satisfactory. Miss Eirlys Evans, B.A., has practically read through all the printed sources of the 18th century as

well as through a quantity of manuscript material. She has planned and partly written out her dissertation on the relation between the religious and the literary activities of the period, showing admirable care and great keenness of observation. She is thoroughly interested in the work and will, I sincerely hope, be enabled to continue her researches in these subjects to which she has shown such devotion.

Mr. T. Hubert J. Rees, M.A., Mus. Bac., has now held a Studentship for two years. He has been reading up the history of ecclesiastical music and studying the peculiarities of accent and rhythm in Welsh and other metrical structures, and has reached certain conclusions which he regards as likely to account for the origin of Welsh contrapuntal singing.

Mr. W. D. Williams, who has held a Studentship for one Session, has worked with great assiduity and discrimination, having examined some hundreds of uncatalogued manuscripts, and cleared up a problem in the history of Welsh Lexicography which had puzzled scholars for generations. I should like to record my appreciation of his devotion to study, his integrity and his sound judgment. His work, when finished, will be a solid contribution to Welsh scholarship and will do justice to the memory of more than one scholar with the extent of whose devoted labours we have hitherto only been imperfectly acquainted.

Mr. Thomas Gwynn Jones (Rhydaman), who was last year awarded a Studentship for a second period, has unfortunately been seriously ill for the greater part of the Session, but has recently been able to return to Aberystwyth and to take up work again. His texts are practically ready for publication, and he has contributed to the *Bulletin* of the Board of Celtic Studies a study of the dialect of the Amman Valley, with an extensive vocabulary.

Mr. Beynon Davies, B.A., an old student of the Department, now a member of the teaching staff of Llandoverly College, has published in the *Bulletin*, a study of Welsh translations of the *Book of John Maundeville*, with an interesting metrical text and notes. Mr. Davies is also engaged in preparing further studies of the earlier free-metre poetry in Welsh, of which he made an exhaustive study in 1928—29.

*Publications:*

*By present and former Students:—*

Mr. T. Gwynn Jones, B.A. (Rhydaman).

*Casgliad o Eiriau Llafar Dyffryn Aman.* Bulletin of the Board of Celtic Studies, Vol. V., Pt. IV.

Mr. W. Beynon Davies, B.A. (Llandoverly).

*Sion Maundfil yn Gymraeg.* Bulletin of the Board of Celtic Studies, Vol. V., Pt. IV.

Mr. Iorwerth C. Peate, M.A. (Cardiff).

*Cymru a'i Phobl.* Cardiff, Welsh University Press, 1931.

Mr. R. W. Jones (Llanerfyl).

*Hanes Cymdeithasol Cymru yn y 18fed Ganrif.* London: Foyle, 1931.

*Gypsies in Wales.* (Journal of the Gypsy Lore Society, Vol. IX., Pt. 2. (1930).

## PHILOSOPHY.

PROFESSOR W. JENKYN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. Passed.
Intermediate ..	50	3	47	40
Subsidiary ..	16		16	14
Final .. ..	12	2	10	8
Honours 2nd Yr.	7		7	7
Totals ..	85	5	80	69

The work proceeded in much the same manner as in previous sessions and the results attained were quite satisfactory. A new feature was the comparatively large number of students taking the honours course, a number exceeding that in any previous year. The number taking the Intermediate Course was smaller owing to a change in Regulations. The quality of the work at all stages was good, and the number of failures was small. The work and results at the honours stage could be much improved by an addition to the staff of the Department, an addition which is desirable also on other grounds.

*Honours Course.* The number of students taking the honours course was seven. The quality of their work was decidedly good on the whole, while the interest and enthusiasm which they evinced in the study and discussion of philosophical problems were very noticeable.—Benjamin Ll. Jones, who proved a most efficient secretary of the Philosophical Society, succeeded in obtaining a first class. Like several other students who have taken first class in Philosophy in recent years he held a Welsh Church scholarship, and he has by his ability, industry and achievement amply justified the choice of the electors. John Owen Burton and Hugh Dewi Griffith were placed in the first division of the second class. The position attained by Griffith did not in my opinion adequately represent his knowledge and powers. Burton had made marked progress during the year. The Rev. Frank Gordon Hastings and David John Jones obtained a second division in the second class. The former deserves special commendation, for in addition to his work for the degree examination he also discharged the duties of Pastor of one of the Churches in the town. He also rendered valuable service as vice-president of the Philosophical Society. D. J. Jones who is proceeding to Oxford in October for a course in Theology would have done better if he had not been in the unfortunate position of having to complete a course in another Department. Nefydd H. Cadfan and Thomas Lloyd Morris who were placed in the Third Class did creditably in certain papers, but had been unable to cover the whole of the ground. Emrys Morgan, B.A., the Rev. Emrys Evans, B.A., Miss Hettie Hall, B.A., and Mr. Howard Williams, B.A., who obtained honours in previous years are engaged upon M.A. dissertations, and though not in residence they keep in touch with the Department. Two other students, Glynne Jones, B.A., and Tudor Jones, B.A., who obtained honours two years ago have recently obtained approval of M.A. subjects, and propose to return to College next year for further study.

I am glad to be able to report two successes won at Oxford this year by former students of the Department, Mr. J. J. Absalom Thomas, who obtained a first class in Philosophy in 1929, obtained a first class in Theology, and Mr. Eric S. Budden obtained a first class in "Modern Greats."

*Final Course.* The Final Class consisted of twelve students, of whom two withdrew from examination, two failed to satisfy the examiners, and eight passed with very creditable papers. The work of Vivian Lloyd Jones and Megan Pryce Evans was exceptionally good. Several members of this class intend taking the honours course next session, and they should do very well.

*Subsidiary and Intermediate Courses.* At these stages a larger place was given to Psychology both in the lectures and in the question-papers than in previous years. Both classes were smaller than in recent years and both attained distinctly better results. The improvement in quality of the work was doubtless due in part to the larger place given in the syllabuses to Psychology, a subject to which students take kindly. In the Intermediate Class a noticeable improvement set in about the middle of the second term and was maintained to the end. Seven students joined the *Further Test Class*. Of these two refrained from taking the examination, two failed to satisfy the examiners and three passed. At the Subsidiary Stage the following students are worthy of mention for the high quality of their work:—R. H. Hilborne, Constance Ashley Jones and J. R. Jones.

As in previous years, Dr. Green gave a short series of lectures on Psychology to the honours class which was much appreciated. I take this opportunity of thanking him for his services, and also my colleague Dr. Dan Davies for the strenuous and efficient manner in which he serves the Department. I desire also to thank Professor Chapple for examining one of the honours students in Spanish. The Philosophical Society, whose programme is now arranged by the student-members, had a very successful session. The thanks of the Society are due to the Rev. T. A. Roberts, M.A., vicar of Holy Trinity, the Rev. A. J. Bartlett, M.A. and to the members of the Staff and the students who read papers before the society.

Dr. Dan Davies and myself conducted Tutorial Classes in Philosophy during the winter months in Llanybyther and Aberayron, respectively. In both places a very intelligent interest was shown in social and philosophical problems.

## EDUCATION.

PROFESSOR C. R. CHAPPLE.

*Training Department.* (Primary and Secondary):

There were three hundred and twenty students in the degree and professional classes as follows:—

	<i>Degree Classes.</i>					<i>Men.</i>	<i>Women.</i>
First Year	..	..	..	..	..	48	29
Second Year	..	..	..	..	..	37	37
Third Year	..	..	..	..	..	44	25
						<hr/> 129	<hr/> 91

<i>Professional Training.</i>	<i>Number completed qualification.</i>			
	<i>Men.</i>	<i>Women.</i>	<i>Men.</i>	<i>Women.</i>
Reduced course students	2	—	—	—
Students taking University Diploma .. ..	25	48	22	45
Students taking College Examinations for the Board of Education Certificate .. ..	18	7	17	6
	<u>45</u>	<u>55</u>	<u>39</u>	<u>51</u>

*Degree Courses in Education.*

<i>Grade.</i>	<i>No. of Students registered at the beginning of Session.</i>	<i>No. withdrawn during the Session.</i>	<i>No. taking University Exams.</i>	<i>No. passed.</i>
Subsidiary ..	10	—	10	7
Final .. ..	1	—	1	1
<b>TOTALS ..</b>	<b>11</b>	<b>—</b>	<b>11</b>	<b>8</b>

## ANALYSIS OF EMPLOYMENT RETURNS OF STUDENTS WHO LEFT THE DEPARTMENT IN THE YEARS 1929 AND 1930.

	1929.	1930.
Posts in:—		
(a) Universities .. .. .	2	—
(b) Technical Colleges .. .. .	1	—
(c) Secondary Schools .. .. .	26	28
(d) Private Schools .. .. .	2	1
(e) Central Schools .. .. .	7	11
(f) Elementary Schools .. .. .	23	43
	<u>61</u>	<u>83</u>
Research studentships .. .. .	4	4
Colonial Cadetship .. .. .	1	—
Returned to College for further study	1	1
Entered other Universities for further study .. .. .	—	2
Unemployed .. .. .	1	5
No return .. .. .	4	3
Married .. .. .	—	1
	<u>11</u>	<u>16</u>
	<u>72</u>	<u>99</u>

Localities in which students have obtained posts:—					
Wales and Monmouth .. .. .				28	36
Outside Wales:—					
London and District .. .. .				8	12
Yorkshire .. .. .				4	6
Midlands .. .. .				5	4
Lancashire .. .. .				2	2
Other English Counties .. .. .				11	19
				— 30	— 43
Turkey .. .. .				1	—
Egypt .. .. .				1	1
Malaya .. .. .				1	—
France .. .. .				—	3
				— 61	— 83

Mr. T. Gomer Evans, a former student of the Department, obtained the M.A. degree for a thesis on "A study of H. G. Wells' contributions to Education."

Mr. John Hughes, who joined the staff of the Department in January, 1920, has been appointed Professor of Education at Rhodes University, Grahamstown, South Africa, in succession to Sir John Adamson. Mr. Hughes's genial personality and his interest in education in general and in Welsh education in particular, made him an exceptionally valuable and acceptable member of staff. He was an excellent speaker in English and Welsh, popular with his students, and an essentially loyal and pleasant colleague. He was trained as a teacher in this Department and the good work he did in his student days was one of the causes which led to the invitation to join us at Aberystwyth. His absence will be a serious loss, but he will be a worthy addition to the band of Aberystwyth students engaged in University work in South Africa. He has left a permanent mark on the study of the bilingual question and will be able to continue his work in this direction in his new sphere.

Our scheme in Art and Crafts has been reconsidered by the Board of Education, but the present is not considered a very favourable time for entry on new schemes and the Board, while expressing appreciation of the educational motives underlying our proposals, do not feel able to recommend a new venture "for the present." We must, therefore, seek to extend our efforts in Art and Crafts in other ways. In one direction this has been attempted during the past session. In consideration of the number of one-year students added to the Department at the suggestion of the Board of Education to meet the presumed necessities of the new Education Bill, Mr. Frank Bassett, an experienced teacher of Handwork to young pupils and to teachers, was appointed temporarily to the staff, and has during the session done very valuable and suggestive work with our students. We have lost much in this direction and in others through the illness of Miss Rowlands during a large portion of the session, but this loss has been partly met by the assistance of colleagues in the Department, the head teachers of Alexandra Road Schools and the part-time appointment of Miss Grindley, a member of the Art Department.

The course in physical education developed by Major Stimson for the necessities of secondary schools was visited by Captain Grenfell, the Board's chief officer in this subject, together with Major Syson, H.M.I., and Captain Grenfell reported that he was much struck by the excellence of the students' practical performance.

In connection with the scheme for the inter-change of teachers between the Constituent Colleges of the University, Mr. E. R. Hamilton, M.A., B.Sc., Lecturer in Education at Bangor, gave a series of lectures on "The Theory of Examinations and Mental Tests," while Mr. Pinsent lectured at Bangor on "The Principles of Science Teaching."

We are under continued obligation to our colleagues in other departments for help in the teaching of their subjects. In particular the French, Latin, Zoology, History and International Politics Departments have all given us very necessary and valuable help.

Dr. Green has been invited to become a member of the Editorial Board of the National Association of Infant Welfare and Maternity Centres (London); and was a member of the committee organising the British Commonwealth Conference on New Education at Bedford College, London, at the end of July, 1931. He has during the session lectured on his investigation into the origin of racial prejudices in children at Street (Somerset), to the Swansea Historical Society, and to the Annual Conference of the Parents' National Education Union. References to this investigation have appeared in journals published in Newfoundland, the United States, India and Australia.

## ARTS AND CRAFTS.

MR. DAN JONES.

The dividing up of the main Art Room into three rooms has made it possible for the work to be carried on in a much more systematic and satisfactory manner than was the case in the past.

The number of students during 1930-31 was as follows:—

Students from the Training Department .. .. .	98
Arts and Crafts Full Time .. .. .	8
Arts and Crafts Part-Time .. .. .	3

In addition to the number of Students from the Training Department who have satisfied the Board of Education requirements in Arts and Crafts, we have to record the following successes:—

Diploma in Crafts:

Miss C. M. Edwards 2nd Class.

Miss E. Enos .. 2nd Class.

School Drawing Certificate (of the Society of Art Masters).

The following were successful in passing the National Society of Art Masters Examinations in Drawing for the School Drawing Certificate for Teachers in Elementary Schools:—

1. *Plant and Nature Drawing in Line or Tone.*

Henry J. Evans.  
Winifred Andrew.  
Marjorie Elsie Akister.  
Dorothy Marguerite Evans.

2. *Object Drawing in Colour.*

Glyne Samuel Walters.  
Olive Jones.  
Dorothy Marguerite Evans.



3. *Memory Drawing on Blackboard.*  
Olive Jones.  
Winifred Andrew.  
Marjorie Elsie Akister.  
Dorothy Marguerite Evans.
4. *Plant and Nature Drawing in Colour.*  
Henry J. Evans.  
Kathleen Gray.  
Ada Dorothy Hooper.  
Olive Jones.  
Winifred Andrew.  
Margaret Jones.  
Marjorie Elsie Akister.  
Dorothy Marguerite Evans.
5. *Pattern Design.*  
Glynne Samuel Walters.  
Mair Roberts (1st Class).  
Margaret Jones (1st Class).  
Marjorie Elsie Akister.  
Dorothy Marguerite Evans (1st Class).
6. *Illustration.*  
Glynne Samuel Walters.  
Olive Jones (1st Class).  
Winifred Andrew.  
Dorothy Marguerite Evans (1st Class).
7. *Theory.*  
Glynne Samuel Walters.  
Ada Dorothy Hooper.  
Olive Jones (1st Class).  
Winifred Andrew.  
Margaret Jones.

An event of particular interest to the Art Students was the visit of Sir Charles Holmes who delivered a series of public lectures on Raphael.

We congratulate Miss Gwen Davies on being selected by the Board of Education to attend a short course for Teachers of Art at the Royal College of Art, London.

Owing to the absence of Miss Rowlands through ill-health, Miss Gwen Davies kindly undertook additional work in connection with the Handwork in the Training Department, and was efficiently assisted by Miss Millicent Grindley.

Thanks are also due to Mr. Frank Bassett for loyal and capable assistance with the Training Department Students.

The Department had the honour to execute for the Old Students' Association a design for the Memorial Tablet to the late Professor Marshall which has recently been erected in the College.

## MUSIC.

PROFESSOR DAVID DE LLOYD.

Grade	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams. (Diploma)	No. passed.
Diploma (1st Yr.)	2	—	2	2
„ (2nd Yr.)	3	—	3	2
Intermediate B.A.	5	2	3	3
Subsidiary B.A. . .	2	—	2	2
Final (B.A. & B. Mus.)	4	—	4	2
Students in training (Advanced music course).	7	2	5	5
Totals ..	23	4	19	16

In addition to the students in training mentioned above, the usual classes for First and Second year normals were held in theory, ear-training and class singing. During the third term Dr. Geoffrey Shaw, H.M.I., visited the College and commented favourably upon the provision made for the study of music and the facilities afforded to the students for hearing music.

Students pursuing solo subjects:

Singing	..	..	..	14
Violin	..	..	..	13
Pianoforte	..	..	..	12
Organ	..	..	..	2
'Cello	..	..	..	5

The Chamber-music Hour (Friday mornings) remains a regular feature of the Session's time-table, and the rehearsing of chamber music by student quartets, under Mr. Arthur Williams' guidance, enabled students to acquire a sound knowledge of representative works in this style and also provided them with invaluable practice in ensemble playing.

The Choral and Orchestral Societies held their usual weekly practices and both rendered items at the College weekly concerts. The former, with a membership of 80 devotees, confined its attention mainly to separate choral numbers rather than to a complete work, except in the case of the Christmas Oratorio. A ladies' choir, an off-shoot of the choral, consisting of about 20 voices on many occasions gave delightful renderings of madrigals by Dowland, Byrde, Willkes, etc., in addition to numbers by various modern composers. It was a similarly constituted choir that gave a stage performance of *Dido and Aeneas* (Purcell) in the first term of the session.

The Orchestra, this session again, was well provided with string players, *all* of whom were students (assisted by staff members, Miss Cooke and Mr. Arthur Williams). The wood-wind and brass sections have but one representative each—one flute and one horn. A clarinet and trumpet put in occasional appearances according to convenience as they have other calls upon their time.

*Music Club.* The membership of the above increased from 190 to 230 staff and town members and from 200 to 400 students—a total membership of over 600.

Six celebrity concerts were given during the session at which the following visitors appeared:—

Jelly d'Aranyi, Professor Wührer, Gabrielle Ioachim, Sir Walford Davies, Olga Haley and Gwladys Naish.

Orchestral and choral concerts were given in each of the College terms, and in addition to the usual features such as the performance of chamber works by the College String Quartette and the highly-appreciated items contributed by staff members—Miss Cooke, Mr. Clements, and Mr. Allen, three of the weekly programmes were allotted to former students of the department—Miss Katie Griffiths, Miss Myfanwy Ellis and Mr. T. Pickering.

The arrangements for next session are well nigh completed. Among the artistes already engaged are Orloff (piano), Madame Fachiri (violin), Bonucce (cello), and negotiations are in progress for the engagement of Keith Faulkner (vocalist), Professor Donald Tovey and a Welsh singer.

Other events eagerly anticipated are the performance of *Hansel and Gretel* and the College Orchestral Festival.

Once more I gratefully acknowledge my obligations to Professor Gwilym Owen and Mr. John Hughes (of Professor Chapple's Department) for assistance given in the case of Diploma students (Acoustics and Education). Mr. John Hughes' appointment as Professor of Education in Grahamstown deprives the music department of the services of one who had the rare gift of appreciating the difficulties of students whose preliminary training had been either curtailed or rendered inadequate through various causes.

To my colleagues on the staff of the Music Department I wish to express my great indebtedness for their ever-ready assistance and genial co-operation in attending to the varied affairs of the department.

## LAW.

PROFESSOR T. A. LEVI.

The total number of students in the Law Department during Session 1930—31, was as follows:—

Intermediate Grade LL.B.	..	..	..	..	4
Subsidiary Grade LL.B.	..	..	..	..	14
Subsidiary Grade B.A. students	..	..	..	..	16
Final Grade LL.B.	..	..	..	..	4
Final Grade B.A. students	..	..	..	..	5
Honours LL.B.	..	..	..	..	11
LL.M. Degree	..	..	..	..	1
Articled Clerks Aberystwyth Centre..	..	..	..	..	3
Articled Clerks North Wales Centre	..	..	..	..	20
Total (counting no-one twice over)	..	..	..	..	78

Of the exceptionally large Honours class, three were placed in the First Class, four in the Second Class (two in the First Division of Second Class) and four in the Third Class. The number of LL.B. students shows a steady increase. The number of articulated clerks varies from year to year, inasmuch as the Solicitors Act, 1922 does not require articulated clerks to attend longer than the stipulated statutory period.

It has now become almost impossible to keep a record of all the successes of law students during the Session, especially of those who pass the Bar Examinations and Solicitors' Examinations every year. But the following outstanding events of this session deserve to be recorded:—

Mr. R. Geraint Rees, LL.B. was placed in the First Division of the First Class in Part II. of the Law Tripos at Cambridge, and was awarded the George Long Prize in Jurisprudence. He had already been placed in the First Class in Part I. of the Law Tripos. He also obtained, during this Session, the Yarborough Scholarship in Law at the Inner Temple.

Mr. H. Elvet Francis, LL.B. was placed in the First Class in the LL.B. Examination at Cambridge. He had already been placed in the First Class in Part I. of the Law Tripos.

Mr. Merlin Howell, LL.B., was placed in the Second Class in the LL.B. Examination at Cambridge, being the holder of a Rhondda Studentship at Caius College.

Mr. Glanville Williams, Mr. Emrys Owain Roberts and Mr. Mervyn Jones were placed in the First Class in Honours at the LL.B. Examination of the University of Wales. Mr. Williams and Mr. Roberts were each awarded the full Samuel Evans Prize on the report of the External Examiner.

Miss Megan Jenkyn Jones, LL.B., was successful in the Final Examination of the Law Society, being the first woman student of the College to pass the Solicitors' Final Examination directly from the College course in Law. No less than ten qualified Solicitors now residing in Aberystwyth are old students of the College Law Department. Other students of the College are articulated to local solicitors.

Mr. Ewan Wallis-Jones, a student of the College in his first year of Law studies, became a candidate during the Summer Term for the Law Society's 'scholarships, and was awarded a scholarship of £40 a year, renewable at the discretion of the Law Society, on condition that he proceeds with his studies for a law degree.

Mr. Vyrnwy Lewis, B.A., LL.B., a former student of the College, and Barstow Law Scholar of the Inns of Court, has been appointed to succeed Mr. Llewelfryn Davies as Assistant Lecturer in Law.

Among the promotions of the staff of the Law Department to be recorded are those of Mr. Stanley J. Bailey, LL.M. to be Reader in Law at the University of Birmingham. Mr. F. Raleigh Batt, LL.M., to be Dean of the Faculty of Law at the University of Liverpool, Mr. Seaborne Davies, LL.B. to be a Lecturer at the London School of Economics, and Mr. D. J. Llywelfryn Davies, LL.B., to a similar Lectureship. At the commencement of the Session, Mr. J. Victor Evans, M.A. of St. John's College, Oxford, and Mr. R. A. Wing, Assistant Lecturer in Law at the College, were appointed Special Lecturers of the College under the Solicitors Act, 1922. We especially wish to place on record our recognition of the very valuable service rendered by Mr. Llywelfryn Davies during the two years he has spent at Aberystwyth.

Owing to the expansion of the work and expense of the Law Department caused by the new appointments mentioned above, the grant of the Law Society was raised from £600 to £700—£75 of the increase being allocated to the work of the North Wales Law School (to which £350 of the grant was already appropriated) and £25 to the work of the Aberystwyth or Central Wales Law School (to which £250 of the grant was appropriated). The courses of lectures for North Wales articled clerks were, by arrangement with the University College of North Wales, delivered by Mr. Wing during the Michaelmas Term, Mr. Llywelfryn Davies during the Lent Term and Mr. Victor Evans during the Summer Term.

During the Session, in company with Mr. Wing and Mr. Victor Evans, I attended as a guest the Annual Meeting of the West Wales Law Society; I delivered lectures to the Cardiff Historical Society and Aberystwyth Historical Society; and also delivered public lectures on legal subjects at twelve centres in North and South Wales, generally in connection with literary societies. There is a constant demand for lectures on the Laws of Wales, and this affords a fruitful subject of research for Welsh Legal and Historical students. But this field has scarcely been explored at all from the juristic standpoint.

We must acknowledge with gratitude many gifts to the Law Department during the Session, from Professor Buckland, Dr. Arnold MacNair, Mr. E. C. S. Wade, Professor Hughes Parry, Professor Garner of the University of Illinois, and from the leading law publishers.

The reports of Mr. Wing and Mr. Victor Evans with respect to the work of the Aberystwyth and North Wales Law School for articled clerks are appended.

### NORTH WALES LAW CLASSES.

MR. J. VICTOR EVANS.

#### REPORT OF THE THIRD TERM'S WORK. SESSION 1930-31.

I have the honour to submit to you my Report upon the Third Term's work at the Rhyl Law Classes, which were under my direction from April 22nd, 1931, to June 3rd, 1931, i.e., the third period of seven weeks of the Session 1930-31. I am able to testify to the high average of attendance of both categories of Students, namely, those Articled Clerks who were statutorily obliged to attend and those who were "voluntary." The exact statistics will, I understand, appear in a Final Joint Report.

I have been much impressed by the keenness and the response shown by both classes, particularly in the discussions—a fact which convinces me that the facilities afforded by the Rhyl Courses of Lectures are much appreciated by those who attend.

During the term I lectured and held Instruction Classes as follows and in the following subjects:—

- A. *To the Final Students on*—
1. The Law of Agency.
  2. The Principles of Company Law.
  3. The Law of Procedure in the King's Bench and Chancery Divisions.
- B.—*To the Intermediate Students on* :—
1. The Law of Property (Interests in Personalty with special reference to the Law of Bailments).
  2. The Principles of the Law of Contract.

I understand that you already have the Reports of my colleagues, Mr. Wing and Mr. D. J. Ll. Davies, upon the work of the two preceding terms.

I should like to record my best thanks to Professor Levi and my colleagues, Mr. Wing and Mr. Davies, for their courtesy and assistance in my first period of work at Rhyl.

I am equally indebted to Major Wheldon, D.S.O., for his helpful directions.

As the responsibility for the work at the Rhyl Classes is mainly in the hands of Mr. Wing and myself, I should like to express my appreciation of his ready co-operation.

### CENTRAL WALES LAW SCHOOL.

Mr. J. VICTOR EVANS,

I beg to submit the following Report upon my work at the Central Wales Law School during the session 1930-31.

One student attended the Final Class and two attended the Intermediate Class—all three being articled clerks. Their attendance was regular throughout my lectures. From my observation of the written work done and their response in the Discussion Classes, I am able to report that they showed a conscientious and promising interest. I gave lectures and held Instruction Classes during the two terms of the 1930-31 session as follows :—

- |  |   |
|--|---|
| 1. <i>To the Final Class on</i>        | 1. The Law of Partnership.<br>2. Some important features of Agency.                                 |
| 2. <i>To the Intermediate Class on</i> | 1. The Principles of the Law of Contract.<br>2. The main features of the Law relating to Bailments. |

May I be permitted to make the observation that the effort which we are making in connection with our classes at the North Wales Law School to meet a wider field of academic and professional interest in legal examinations, may be extended to the Aberystwyth Central Wales Law School. I should like, in conclusion, to thank Professor Levi, Mr. R. A. Wing and Mr. D. J. Ll. Davies for their courtesy and co-operation during this, my first, session at the Central Wales Law School.

### NORTH WALES LAW CLASSES.

Mr. R. AMOS WING.

I beg to submit the following report of the North Wales Law School during the past year.

The North Wales Law School sustained a great loss on the very eve of the session in the departure of Mr. S. J. Bailey to Birmingham—a loss that would have been even greater but for his kindness in initiating his successors—Mr. J. Victor Evans and myself—into their new duties.

The classes were attended in 1930-31 by twenty students—a slight decline from the record total of the previous year.

Ten students attended the Final Class, four of whom, either by previous attendance at the Classes or by the possession of a University degree in Law, had already satisfied the requirements of the Law Society. The subjects dealt with at the Final Lectures included the Sale of Goods, Act, Private International Law, Company Law, Procedure, and Real Property.

The Intermediate Lectures were as usual based upon Volumes II. and III of Stephen's Commentaries and were attended by ten Articled Clerks. All the classes were held this year at the Town Hall, Rhyl.

Mr. D. J. Ll. Davies conducted the lectures during the Lent Term and Mr. J. Victor Evans during the Easter Term of last session.

The complete Pass Lists of the Law Society's Examinations are not yet published; but students of the School have achieved successes in both the Final and Intermediate examinations held in November and March.

### CENTRAL WALES LAW SCHOOL.

Mr. R. AMOS WING.

I beg to submit the following report of the Central Wales Law School during the session 1930-31.

The number of students has been small, there being two students in each of the Final and Intermediate classes. The teaching has been divided amongst Mr. J. Victor Evans, Mr. D. J. Ll. Davies and myself, the lectures being delivered, as in previous years, on Friday afternoons in Aberystwyth.

The subjects taught to the Final Class included Procedure and Evidence, Conveyancing and Equity, the Sale of Goods Act, and the Law of Libel. Instruction in the matters contained in Volumes II. and III. of Stephen's Commentaries was given to the Intermediate Class.

### PURE MATHEMATICS.

MR. V. C. MORTON.

The number of students in the Department is again slightly larger than in the previous session. Their distribution is shown in the following table:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	16	—	15	10
Subsidiary ..	43	2	37	28
Final ..	17	—	28	23
Hons. 1st Yr. ..	12	1	11	10
Hons. 2nd Yr. ...	12	1	—	—
Research ..	1	—	—	—
<b>TOTALS ..</b>	<b>101</b>	<b>4</b>	<b>91</b>	<b>71</b>

The work done was quite satisfactory, especially in the Subsidiary and Second Year Honours courses. The Honours classes are keeping up their numbers and their performances continue to be good.

The following students deserve special mention:—Intermediate, Mr. B. J. Lewis; subsidiary, Messrs. R. A. M. Bound, J. V. Harries, B. R. Jones and B. J. Thomas; Final and First Year Honours, Messrs. G. A. Corfield and W. E. Jones; Second Year Honours, Messrs. M. T. Chapple, T. R. James, T. A. Humphries and J. F. Ractliffe.

Eight students took the Honours examination in Pure Mathematics and three in Mathematics. Of these, four, Messrs. M. T. Chapple, T. R. James, T. A. Humphries and J. F. Ractliffe, obtained First Class; two Second Class, First Division; two Second Class, First Division; two Second Class, Second Division; and two Third Class. It is with great sorrow that I report the death of one of our promising Honours students, Mr. J. F. Skrine. He took a full share in College life and has been greatly missed.

I regret also to have to report the serious illness of Miss D. S. Meyler, who has been carrying out research in a branch of Algebraic Geometry. I am very pleased to say, however, that she had the satisfaction of having a joint paper, in collaboration with me, accepted for publication in the Proceedings of the London Mathematical Society. I hope that when she has completely recovered we shall be able to continue this research.

In conclusion, I gladly take this opportunity of thanking my colleagues, Mr. W. G. L. Sutton and Mr. D. R. Williams, for their ungrudging and very efficient co-operation in the work of the Department.

### APPLIED MATHEMATICS.

PROFESSOR G. A. SCHOTT.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate..	10	—	10	} 7 2
Subsidiary ..	15	—	14	
Final .. ..	12	} 1 deceased.	12	} 10
Hons. 1st Yr. ..	1		—	
Hons. 2nd Yr... ..	3	—	1	1
Hons. Combined ..	3	—	3	3
TOTALS ..	44	1	40	33

The past session has been a successful one, although not marked by any particularly outstanding event. The number of students in the Department was 44, much about the average for this subject; 40 took University examinations, of whom 33 passed. E. C. Easthope obtained an exceptionally good First Class in Honours in Applied Mathematics; J. F. Ractliffe also did well in the two papers in Applied Mathematics, which he took as subsidiary to his principal subject—Pure Mathematics—



in the Combined Honours course. In the Final examination, Elgar Morgan and W. H. Francis did excellent work. At the Subsidiary stage, J. V. Harries and B. R. Jones deserve special mention and should do very well at the Honours stage. The Intermediate class was unusually large, but there was no one of outstanding excellence. In conclusion, I wish to thank Mr. W. G. L. Sutton, M.A., for his help in taking one of the First Year Honours courses, and especially Mr. T. Lewis, M.Sc., for the excellent work he has done in class and tutorial work at all stages.

### PHYSICS.

PROFESSOR GWILYM OWEN.

The number of students in the Department during the past session was 66, being 11 more than in the previous session. Their distribution amongst the various grades is indicated in the following table:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Acoustics ..	5	—	5	2
Intermediate ..	23	—	22	15
Subsidiary ..	20	2	18	14
Final .. ..	17	1	16	15
Hons .. ..	1	—	1	1
				(Class II.)
TOTALS ..	66	3	62	47

The session 1930-31 has been uneventful. The students have worked very well and the percentage of passes is good, being 77 per cent. It is satisfactory to note that as the grade advances, the percentage of failures gets less. For example, all the final students passed with one exception.

The work of the following students is worthy of special mention:—Honours: M. H. Thomas, who obtained Class II.(i). His practical work was excellent. Final: R. Everson, G. A. Parry, D. A. Williams. Subsidiary: R. A. M. Bound, M. M. Davies, T. T. Jones, I. H. Thomas. Intermediate: Rachel M. Evans, Beryl Jones, Mair E. Jones, B. J. Thomas, J. V. Harries.

Equipment:—The main item of new equipment is the five horse-power motor-generator which has been erected in a small room in the basement. This supplies alternating current at 220 volts to various parts of the laboratory. Previously we were mainly limited to direct current. The new plant makes possible important developments in the electrical resources of the laboratory and a good deal of fresh work is in progress in this connection.

Research.—Mr. R. M. Davies is engaged in various problems connected with the elastic properties of crystals, using the modern methods now available. He is also engaged in an investigation on behalf of the Plant Breeding Station, namely, the testing of an electrical method of measuring the humidity in seeds. Such collaboration between the various departments of the College is very valuable.

Mr. Benjamin Davies, F.Inst.P., has utilised the resources of the laboratory in the excellent work he has carried out in connection with the X-ray installation at the Aberystwyth Infirmary. His work in the laboratory on a new device for regulating the voltage of the town mains is likely to prove fruitful and will be published in due course. He has also published in the *Journal of Scientific Instruments* a paper entitled: "The detection of added water in milk and other fluids."

Mr. G. M. Jones, B.Sc., who joined our staff three years ago as Assistant Lecturer, has resigned in order to take a post as Senior Physics Master at Llangefni County School. Mr. Jones did excellent work with the students and was a most pleasant colleague. He takes with him the best wishes of his colleagues for his success in his new post.

*Extra-Mural Work.*—During the session I delivered public lectures at the following places on scientific subjects:—Rhyl, Ruthin, Coleg Harlech (twice), Newtown, Towyn, Old Colwyn, Portmadoc, Barmouth, Denbigh, Dolgellay, Aberystwyth. A few lectures were also delivered by Messrs. R. M. Davies and I. C. Jones.

I am greatly indebted to my colleagues, Messrs. R. M. Davies, I. C. Jones, G. M. Jones and L. E. Sulston, for their efficient and loyal co-operation in the work of the Department.

### CHEMISTRY.

PROFESSOR T. CAMPBELL JAMES.

The number of students working in the Department was 67, their distribution being as given in the table below.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	19	2	17	12
Subsidiary ..	20	1	19	17
				plus 1 allowed Intermediate.
Final and 1st Yr. Honours ..	16	1	17 (2 Ext.)	13
Hons. 2nd Yr. Research:—	3	—	3	3
Full time ..	6	2	1	1
Part time	3	—	1	1
<b>TOTALS ..</b>	<b>67</b>	<b>6</b>	<b>58</b>	<b>48</b>

Miss A. G. Rees, M.Sc., completed her period of appointment as part-time Demonstrator in June, 1930, and no successor was appointed for the session under review. A satisfactory re-arrangement of work among the permanent staff was rendered possible by the small number in the Honours Class.

*Intermediate Class.*—This Class, consisting chiefly of beginners without much previous knowledge of Chemistry, was conducted by Mr. Hudleston with considerable success. Although few members of the Class

intend to proceed further with the subject, the work is important as it is a necessary preliminary to more advanced work in the Biological Sciences and in Agriculture.

*Subsidiary Class.* This Class, consisting almost entirely of pupils from the Schools who had completed the Higher Certificate stage in Chemistry, was of even higher standard than that of the previous year. Dr. Matthew Williams conducted the course on Organic Chemistry, Mr. Bury the course on Physical Chemistry, and I gave a short course on Inorganic Chemistry. The Practical work was conducted by Messrs. Bury and Williams. The preliminary attainments of the class enabled the standard of work to be considerably raised and the prospects of the Honours Class of 1932-3 seem particularly bright.

*Final and First Year Honours.*—This Class continued the excellent work of its Subsidiary year and all but two passed the Final examination, in which two external candidates were also unsuccessful. Mr. Bury gave the course of lectures on Physical Chemistry, I took the Organic work, and Mr. Hudleston, the Inorganic Course. Messrs. Bury and Williams shared the responsibility of the Practical course.

*Honours Class.*—The small Honours Class of three was conducted on a tutorial scheme in which all members of the staff took a part. Mr David Evans continued his valuable assistance by giving a course in German. Mr. S. C. Townshend was awarded Second Class Honours (Div. I.), Mr. D. K. Cable, B.Sc., Second Class Honours (Div. 2), and Mr. J. H. Jones, B.Sc., Third Class Honours.

*Postgraduate work.*—Mr. Dafydd Islwyn Jenkins, B.Sc., presented his thesis on "The Action of Halogen on Hydroxyanthraquinones," in December, 1930, and was awarded the Ph.D. degree. During the past year this work has been aided by a grant from the Dyestuffs Group of Imperial Chemical Industries, for which I desire to make grateful acknowledgment.

Mr. Idwal G. Jones, B.Sc., working externally, completed a thesis originally started here on "Mercuration of certain ethylenic acids," etc., and was awarded the M.Sc. degree.

*Research.*—Messrs. H. O. Jenkins, B.Sc., and D. Gwynne Davies, B.Sc., have continued their research work under Mr. Bury, and will present their thesis for Ph.D. in December, 1931. Both these students have in turn held the Garrod Thomas Fellowship and are doing very satisfactory work.

Mr. E. R. H. Davies, B.Sc., is working under Mr. Bury on "Magnesian Cements" for the Buildings Research Section of the Department of Scientific and Industrial Research, from which he receives a substantial maintenance grant.

Mr. D. T. Lewis, B.Sc., is pursuing a Ph.D. course under the direction of Mr. Hudleston and Messrs. S. Evans, B.Sc., and H. V. W. Robinson, B.Sc., are part-time workers for the M.Sc. degree under my personal direction.

During the year a considerable amount of analytical and other experimental work has been carried out in the Department and out-door surveys conducted in connection with the investigations of the West Wales Rivers Pollution Sub-Committee into the causes and prevention of river pollution by mine dumps and mining operations. Several reports have been issued and the work is being continued in collaboration with the Departments of Zoology and Botany.

*Appointments.*—Dr. J. Grindley has been appointed as an Assistant Chemist in the Government Chemical Laboratory, and Mr. Reginald Jones, M.Sc., as Chemist in the Royal Air Force. Mr. D. R. Owen, lecture-assistant in the Department, left to take up an appointment as Technical Assistant to the Board of Greenkeeping Research, under Dr. T. W. Evans, a former student of the Department.

I take this opportunity of acknowledging my grateful appreciation of the efforts of my colleagues, Messrs. Bury, Hudleston and Matthew Williams, in the teaching, tutorial and research work of the Department.

The arrangements for the supply of apparatus and chemicals through Messrs. Robinson, Nelson and Company continue to be satisfactory.

## GEOLOGY.

PROFESSOR W. J. PUGH.

The number of students working in the Department during the session was sixty-three. Their distribution is shown in the following table:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma ..	8	—	—	—
Intermediate ..	18	—	18	12
Subsidiary ..	21	—	21	16
				(3 granted Intermediate)
Final .. ..	15	—	15	15
Honours ..	1	—	1	1
TOTALS ..	63	—	55	44

*Agricultural Diploma Course.*—Eight students attended lectures and demonstrations during the Michaelmas Term. Their work was satisfactory.

*Intermediate Course.*—This class, which was smaller than in previous years, worked well throughout the session. Mr. I. J. Sanders is worthy of special mention.

*Subsidiary Course.*—The work of this class was satisfactory and the following deserve special mention:—Messrs. G. E. Carter, W. F. Jones, and Miss M. A. Richards.

*Final Course.*—This was a larger class than in previous years. Although there were no failures in the Degree examinations, the work of the class as a whole was not quite so good as usual. There were no students of outstanding merit, but Miss E. M. Baker did very good work throughout the session.

*Honours Course.*—Mr. A. R. Sansbury obtained Class II., Division I., in the Honours examination.

During the session Professor J. W. Gregory, F.R.S. (until recently Professor of Geology in the University of Glasgow), gave an interesting lecture on "The Evolution of the Earth."

Field excursions were organised throughout the session and during the Easter vacation several days were devoted to a study of the Geology of the district around Church Stretton.

During the long vacation, Mr. J. I. Platt and Mr. E. G. Bowen, of the Department of Geography, are conducting a Summer School in Structural and Physical Geography, which is intended more especially for teachers of Geography.

The additional accommodation which became available two years ago has greatly facilitated the work of the Department. I would point out, however, that a considerable amount of equipment is still urgently needed. In addition, the Department has no lecture-room of its own and this is a very serious inconvenience.

It is with great regret that I write my last report on the Department of Geology, in which I have worked for the past 12 years. I am deeply grateful to my colleagues, Mr. J. Challinor and Mr. J. I. Platt, for their loyal and efficient co-operation in carrying out the work of the Department. I should also like to extend to my successor, Professor H. P. Lewis, my best wishes for his happiness and success in Aberystwyth.

### ZOOLOGY.

PROFESSOR R. DOUGLAS LAURIE.

The number of students working in the Department during the session was distributed as follows:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma ..	7	1	6	4
Intermediate ..	21	—	20	20
Subsidiary ..	19	1	18	17
Final, 2nd Year, and Hons. 1st Year ..	7	—	7	7
Hons. 2nd Yr... ..	1	—	1	1
Research, Ph.D. Research (one term) ..	1	—	1	1
Diploma in Animal and Human Biology ..	1	—	—	—
	1	—	1	1
TOTALS ..	58	2	54	51

*Agricultural Diploma Course.*—This class was conducted by Dr. Gwendolen Rees. Mr. L. J. McHardy is worthy of special mention.

*Intermediate Course.*—The lectures were given by myself and the practical instruction by Dr. Watkin. The class worked satisfactorily and all its members passed the examination. Mr. Stephen Williams is worthy of special mention, as also are Miss M. E. Evans and Miss J. R. Williams.

*Subsidiary Course.*—Most of the lectures were given by myself; the practical instruction was shared by Dr. Watkin and Dr. Gwendolen Rees. The work of the class was satisfactory; all except one passed the examination. Mr. D. C. Lloyd is worthy of special mention, as also are Mr. D. D. Gupta, Mr. D. T. Lewis, Mr. J. H. Western and Mr. H. M. Johns.

*Final Course.*—Dr. Watkin gave the lectures on Marine Biology and Entomology, the other lectures were given by myself. Dr. Watkin and Dr. Gwendolen Rees shared the charge of the practical work. Miss Gwenith Williams is worthy of special mention. All the students were successful in the examination.

*Honours Course in Zoology (including Agricultural Zoology).*—Mr. J. R. W. Jenkins supervised the Entomological portion of the work, Dr. Gwendolen Rees the Helminthology, and myself the Genetics. Mr. Evan Davies did some very satisfactory work and his thesis, a helminthological study, was commended. He was placed in the first division of the second class.

Dr. Emrys Watkin has during the session carried further his work on the herring shoals of the South Western Waters of England and Wales. A paper comprising some of his results has been accepted for publication by the Ministry of Agriculture and Fisheries. The Ministry has again made a grant of £50 towards the expenses of the work, assistance which is much appreciated.

Mr. J. R. W. Jenkins, by further work on the Bionomics of the Clover *Apions*, has confirmed that a simple alteration of the methods of clover cultivation results in reducing to a minimum loss of seed due to the attacks of these weevils. He has arrived at a system of treatment resulting in 90 per cent. control of the Pea and Bean Weevils, though cropping results so far obtained indicate that these weevils cannot normally be regarded as major pests. Perhaps his most interesting result has been the obtaining of a complete control over Millipedes attacking garden crops; no satisfactory method of combating these pests was hitherto known.

Dr. Gwendolen Rees has carried out certain researches upon parasitic Trematode worms of animals, and a paper embodying some of her results has been accepted for publication in *Parasitology*.

Dr. Margot Metcalfe, after revising for publication during the first term of the session, the thesis for which she had been awarded the Ph.D. degree, migrated to Rothamsted Experimental Station, where she is carrying out work upon Cecidomyid pests of Clover, as a holder of a University of Wales Fellowship.

Mr. J. R. E. Jones, B.Sc., has carried out a second year's work under a Maintenance Grant from the Department of Scientific and Industrial Research, upon the action of metallic salts upon freshwater organisms. His work bears upon the problem of the pollution of our local rivers. He has this year been awarded the Ph.D. degree of the University of Wales on a thesis entitled "The Effect of Dissolved Metallic Salts on Aquatic Animals." He has also been awarded a University of Wales Fellowship as from October, 1931.

*Diploma in Animal and Human Biology.*—Mr. Faiyaz Bahadur Khan, M.Sc., L.T., pursued the course for the Diploma, which has duly been awarded to him. His work was excellent.

I gave again this year, at the invitation of the Department of Education, a short course of lectures and laboratory work on the biological foundations of Hygiene to the fourth year students in training as teachers.

The Department co-operated with the Department of Education in inviting Professor M. Bigelow, of Columbia University, and Chairman of the Executive Committee of the American Social Hygiene Association, to deliver a lecture to the students of the two departments on "Educational and Hygiene Problems of Adolescence."

I have continued to interest myself in the development of Biology as a school subject, believing it to be important culturally and to be the desirable approach to such a knowledge of human physiology as should be possessed by all. The Committee of the British Association appointed to consider and report upon the position of Animal Biology in the School Curriculum, and of which I am Chairman and Secretary, presented an interim report to the British Association at its 1930 meeting at Bristol. I was very pleased to avail myself of the opportunity afforded me by the Board of Education in the spring of inspecting for them the Biology teaching in certain schools in Wales. Dr. Watkin conducted a course in Biology in connection with the Handwork Summer School held at Aberystwyth during the long vacation.

In place of our usual Easter visit to a Biological Station with a work party of students, Dr. Watkin, Dr. Rees and myself have arranged to conduct a party of students during the long vacation to visit the Biological Station of Nyborg, in Denmark, and other places of biological interest in Denmark, Sweden, and North Germany. For this purpose eight students have been awarded Travelling Scholarships by the College.

Among recent students of the Department who have obtained appointments are the following:—Mr. Arthur Steel, M.Sc., as Lecturer in Zoology at Armstrong College, Newcastle-upon-Tyne; Miss Mabel Owen, B.Sc., as Biology Mistress at Towyn County School; Miss Ceinwen Edwards, B.Sc., as Biology Mistress at Ferndale Secondary School; Miss Katie Lake, B.Sc., as Biology Mistress at Gwendraeth Valley Secondary School.

Substantial additions have again been made to the Library this session in the form of foreign publications received in exchange for the *Marine Report* of the Department. This includes the publications from about sixty scientific institutions in all parts of the world. The Department also thanks Miss Rhoda Jones, of Aberystwyth, for *separata* of various scientific (entomological) papers.

The Department is indebted to Mrs. D. A. Silver for a collection of osteological specimens.

Miss Blodwen Williams has continued to prove herself a very conscientious and capable Laboratory Steward.

Dr. Emrys Watkin and Dr. Gwendolen Rees have discharged their duties with conspicuous efficiency, as also has Mr. J. R. W. Jenkins, whose special help in the Entomological teaching of the Department is much valued.

## BOTANY.

PROFESSOR L. NEWTON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	27	1	26	21
Subsidiary ..	20	—	20	18
Final ..	2	—	2	2
Hons. 1st Yr. ..	11	—	10	10
Hons. 2nd Yr. . .	6	—	6	6
Research ..	3	1	—	—
TOTALS ..	69	2	64	57

The distribution of students is shown in the table. The numbers have increased causing considerable congestion in the laboratories. In spite of a complete re-organisation of the senior classes, the difficulties could not be met and permission has now been obtained for the conversion of the lecture room into a laboratory, which has also to be used for lecture purposes. It is hoped that this will greatly facilitate the work as the two laboratories on the top floor can now be used for plant physiology.

*Staffing.*—At the beginning of the session, Mr. E. H. Chater, B.Sc., F.L.S., was appointed to the staff as Plant Physiologist and the re-arrangement of the original laboratories is largely the result of his effort. Miss M. G. Ashton, B.Sc., was appointed Part-time Assistant and has taken a large share of the additional teaching, which was occasioned by the duplication of the Intermediate Class. Miss Ashton is leaving us to train at the London Day Training College, and owing to the further increase in numbers at the higher grades, it has been necessary to urge for the appointment of a full-time Demonstrator in her place.

*Intermediate.*—The class has worked satisfactorily and the results fairly represent their individual standards of efficiency.

*Subsidiary.*—The work was generally of a good standard and shows considerable promise.

*Final and Honours. Pure Botany.*—The work reached a good general level, all the Final students being successful in the University examination. At the Honours stage Miss Pearson and Mr. Lewis were both awarded a First Class, while Miss Bebbington obtained a IIA. Miss Pearson's work is worthy of special mention, and the theses of all the Honours students received considerable commendation from the external examiner.

*Botany with Agricultural Botany.*—Honours degrees were awarded for the first time in this subject. Two candidates were placed in the second class, and one in the third class. All three Final candidates were successful.

*Higher Degrees.*—The degree of M.Sc. was obtained by Mr. Rees Davies, B.Sc., for a thesis on the cold storage of pineapples. Mr. Davies presented the thesis on a former occasion, but his viva voce examination was delayed owing to his absence from this country.



*Appointments.*—Miss R. Harries, M.Sc., has been appointed to the Lectureship in Botany at the Technical College, Sunderland, while Miss B. D. Gregory, M.Sc., has been appointed Botany Mistress at the Girls' Secondary School, Llanelly.

*Botany Garden.*—During the session we have had the privilege of making a Botany Garden from a piece of ground near the Chemistry Building. I gratefully acknowledge gifts of plants from Dr. Salter, the John Innes Horticultural Institution, and the University of Bristol. The garden will greatly facilitate our work in the future and will save much of the time that has been spent in collecting material from a distance.

Field excursions have been carried out and during the Easter vacation a week's excursion to London was arranged for the First and Second Year Honours students. In this connection I wish to acknowledge the kindness of the Directors of the Rothamsted Experimental Station and the John Innes Horticultural Institution for their hospitality and for the provision of facilities for study.

#### *Research.*

I have corrected the second proof of my Handbook of the British Marine Algae, and have assisted Miss Harries in the preparation for publication of a paper on *Taonia atomaria* which was in part written by the late Professor Robinson.

Mr. Chater and I have collaborated with Miss P. M. Skrine, M.Sc., on a piece of ecological work relating to the Mochras marshes. This is now completed and will shortly be published.

At the invitation of the Ministry of Agriculture and Fisheries, the distribution of the vegetation in polluted and unpolluted streams and the distribution of plants on Lead Dumps has been investigated by Mr. Chater and myself. As a result, two Honours students are undertaking problems concerned with the toxic action of lead on certain flowering plants.

Mr. P. W. Carter, M.Sc., is continuing his researches on marine algae.

Miss Ashton has carried out an interesting piece of work on the winter bud of *Glaux maritima*. The results of her investigation are being embodied in a thesis which she hopes to present for the degree of Magister in December next.

Mrs. James is working on the plant remains in the submerged forest at Borth, and her results are already throwing some light on the character of the vegetation.

At the centenary meeting of the British Association to be held in London in September, two papers have been accepted from this Department.

1. Cultural work on Laminaria. By Miss R. E. Harries, M.Sc., and Miss G. Bebbington, B.Sc.
2. Gymnogongrus and Ahnfeltia. By Professor L. Newton and Miss B. D. Gregory, M.Sc.

*Gifts.*—We are again indebted to J. B. Willans, Esq., J.P., for gifts to the Library and it is with great pleasure that I gratefully acknowledge Dr. Salter's many kindnesses to the Department during the year.

In conclusion, I wish to express my appreciation of the loyal co-operation of my colleagues in a session when increased numbers and the necessity for re-organisation have added to our difficulties.

## GEOGRAPHY AND ANTHROPOLOGY.

PROFESSOR C. DARYLL FORDE.

The marked increase in the number of students reported by Professor Fleure in 1930 has been maintained. Since there is now a larger proportion in the higher grades the work of the Department has correspondingly increased. The distribution for the past session has been:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	64	—	64	52
Final ..	56	—	55	48
Hons. 1st Yr. }				
Hons. 2nd Yr... }	18	—	18	17
TOTALS ..	138	—	137	117

It is anticipated that the enrolment in Subsidiary and Final courses will be equally large next session, while 25 students have been admitted to the Second Year Honours course.

I must, in the first place, acknowledge the very great help and willing co-operation that I have received throughout the session from my colleagues, Messrs. Whitehouse and Bowen. Both have devoted themselves unsparingly to the needs of the Department, while their assistance and advice have been invaluable to me during this first year of office.

Mr. Whitehouse has continued to undertake a considerable share of the work of administration. In place of the part-time assistantship held by Mr. C. Davies, B.A. this year, the Council has created a second Assistant Lectureship for the coming session. Mr. Walter Fogg, M.A., of the University of Manchester, has been appointed to this post. He has taught for several years in the Manchester High School of Commerce and has undertaken field studies in Morocco under the direction of Professor Augustin Bernard of the Sorbonne. I hope that accession of another full time member of the staff and the re-organisation that will thereby be made possible will add considerably to the effectiveness of our work.

The Senate, in the Michaelmas term, approved minor modifications of the syllabus which have facilitated the co-ordination of courses and it has recently given approval to a scheme for instruction in Physical Geography at the Subsidiary and Final stages. This scheme, which was drafted in co-operation with Professor Pugh and his successor, Professor Lewis, will ensure adequate instruction in a branch of the work that has suffered in consequence of the increasing numbers of students entering with Higher Central Welsh Board qualification which has excused them from the course in Geology I., otherwise precedent to the Subsidiary Course in this Department. The instruction will be given in the Department of Geology and I must express our gratitude to that Department for its willing co-operation in the matter.

The Magister degree has been obtained this session by Mr. A. Davies, who graduated in 1928, and is now Assistant Lecturer in the Department of Geography, Victoria University, Manchester, and with special distinction by Mr. E. Evans, who graduated from this Department in the same year and is now Lecturer in Geography in the University of Belfast.

In the Degree examinations Mr. H. N. Jerman took First Class Honours. His work was of a very high standard throughout. Miss D. Smith, Miss E. M. Stiles and Mr. W. J. Evans, in Class II.i, also deserve mention for very creditable achievement.

In the Final and First Year Honours Class, Misses E. M. Baker, E. Davies, M. B. Thomas and Messrs. H. N. Ellis, W. A. Evans and J. B. Jarvis showed very considerable promise.

The general level of work in the Subsidiary stage reached a high level; achievement does not appear to have been prejudiced by the very large numbers.

The various members of the Staff of the Department have given lectures to University and other Societies in the following towns:— London (3), Swansea, Carmarthen, Shrewsbury, Bristol, Barmouth, Brecon, Mansfield, Llandrindod Wells, and Fairbourne.

I conducted a party of students and teachers to Brittany and the Dordogne during the Easter vacation. We visited the prehistoric settlements and museums of both regions, receiving much courteous assistance from M. Z. le Rouzie, of Carnac, Morbihan, and M. Peyrony, of Les Eyzies, Dordogne.

Mr. E. G. Bowen, who is British Secretary to the Committee for the Study of Rural Settlement, will read a paper in that section at the International Geographical Congress at Paris in September. I am to read a paper on certain aspects of my field work in Arizona to Section H. of the British Association in September.

Gifts to the Department this session includes:—

Pottery from various megalithic sites in S. Brittany by M. Zacharie le Rouzie, Morbihan.

Anthropometric apparatus by Sir John Lynn Thomas.

A collection of Ordnance Survey Maps by Mr. R. H. Davies.

A copy of "The Geographical Grammar," by Pat. Gordon, M.A., F.R.S., London, 1711. By Mr. J. H. Cooper.

### THE GENERAL LIBRARY.

SENIOR LIBRARIAN: MR. J. D. WILLIAMS.

Gifts were received during the session from the following donors:—

Aberdare, The Right Hon. Lady, London: 2 vols.

Acheson, Messrs. E. G., Ltd., London: Pamphlets.

Astronomer Royal, Greenwich: 1 vol.

Balme, G., Esq., Paris: 1 vol.

Barclay, Perkins and Co., Messrs., Ltd., London: 1 vol.

Beanland, Miss F. L., M.Sc.: 1 vol.

Beauchesne, Gabriel, Esq., Editeur, Paris: 1 vol.

Braithwaite, Miss C., B.Sc., U.C.W. Staff: Pamphlets.

Brereton, Mrs. M. A., Cloudesley, London: 1 pamphlet.

Buysens, T., Esq., Antwerp: 1 vol.

- Cazamian, Louis, Esq., Univ. of Paris: 1 vol.  
 Cherry, John, Esq., London: 1 vol.  
 Crow, W. B., Esq., D.Sc., Ph.D., Stratford, London: 1 vol.  
 Darwin, F. D. Swift, Esq., B.A., Oxford: 1 vol.  
 Davies, David, Esq., Llandinam: 1 vol.  
 Davies, Sir H. Walford, Knt., Windsor Castle: 1 engraving.  
 Dewarichet, Th., Publishers, Brussels: 1 vol.  
 Einarsson, Stefan, Esq.: 1 vol. and 1 MS.  
 Evans, D. Priestley, Esq., Seaton, Devon: 1 pamphlet.  
 Evans, Rev. Canon Silas, B.A., F.R.A.S., Oswestry: 2 vols.  
 Fielding, Sir Charles, Billinghamurst, Sussex: 1 vol.  
 Fleure, Prof. H. J., Manchester: 4 vols.  
 Herbert, Messrs. Alfred, Ltd., Coventry: Pamphlets.  
 Herbert, Sydney, Esq., M.A., U.C.W. Staff: 1 vol.  
 Hogberg, Olof, Esq., Sundsvall, Sweden: 1 vol.  
 Hughes, John, Esq., M.A., U.C.W. Staff: 37 vols.  
 James, Prof. T. Campbell, M.A., U.C.W. Staff: 2 vols.  
 Levi, Prof. T. A., M.A., B.C.L., LL.B., U.C.W. Staff: 4 vols.  
 Lister, Henry Bertram, Esq., LL.M., San Francisco: 2 vols.  
 Macmillan, Messrs., Publishers, London: 8 vols.  
 Morgan, Rev. Herbert, M.A., U.C.W. Staff: 1 vol.  
 Morse, William Inglis, Esq., D.Litt., Cambridge, Mass.: 1 vol.  
 Mountford, Prof. J. F., M.A., D.Litt., U.C.W. Staff: 1 vol.  
 Owen, Prof. Gwilym, M.A., D.Sc., U.C.W. Staff: 1 vol.  
 Pagan, Mrs. Theodore, Boetsap, S. Africa: 1 vol.  
 Parry, D. Hughes, Esq., M.A., LL.M., London: 1 vol.  
 Pope, C. S., Esq., Cardiff: 1 vol.  
 Powell, Rev. E. Worthington, Lyndhurst, Hants.: 1 vol.  
 Prats, Senor Arturo, Consul of Uruguay, Cardiff: 1 vol.  
 Richards, Rev. J. F., South Luffenham, Stamford: 2 vols.  
 Roberts, Prof. T. Stanley, M.A., U.C.W. Staff: 13 vols.  
 Rose, G. F., Esq., Ballater, Scotland: 1 vol.  
 Sherratt and Hughes, Messrs., Manchester: 1 vol.  
 Skulason, Sigurdur, Esq.: 1 MS.  
 Thomas, Dr. A. B., M.A., U.C.W. Staff: 1 pamphlet.  
 Thomas, Walter, Esq., M.Sc., Pennsylvania State College: 1 vol, 1 pamphlet.  
 Truman and Knightley, Messrs., Ltd., London: 1 vol.  
 Webster, Prof. C. K., M.A., D.Litt., U.C.W. Staff: 1 vol.  
 Willans, J. B., Esq., Kerry, Mont: 3 vols.  
 Willcocks, Sir William, K.C.M.G., Cairo,: Pamphlets.  
 Winstanley, Miss Lilian, M.A., U.C.W. Staff: 4 vols.
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- Academy of Natural Sciences, Philadelphia. 2 vols.  
 American Museum of Natural History, New York. 13 vols.  
 Australia—High Commissioner for Australia. 2 vols.  
     Ministry of Home Affairs, Canberra. 1 vol.  
     South Australia, Dept. of Agriculture. Bulletins.  
 Austrian Legation, London. 1 vol.  
 British Academy, London. 7 vols.  
 British Engine Boiler and Electrical Insurance Co., Ltd.,  
     Manchester. Reports.  
 British Medical Association, London. 1 vol.  
 British Museum Trustees. 14 vols.  
 British Science Guild, London. 1 vol.  
 Canada—High Commissioner for Canada, London. 1 vol.  
     Public Archives, Ottawa. 2 vols.  
 Canterbury Museum, New Zealand. Records.  
 Carnegie Endowment for International Peace, Washington.  
     16 vols.  
 Carnegie Endowment for International Peace, Paris. 2 vols.

- Carnegie Institute of Washington. 1 vol.  
 Carnegie Trust for the Universities of Scotland. 1 vol.  
 Columbia University, New York. 82 vols.  
 Commonwealth Fund, New York. 1 vol.  
 Czecho-Slovakia Republic Dept. of Statistics. 1 vol.  
 "Discovery" Committee, London. Reports.  
 Empire Marketing Board. Publications.  
 Estonian Legation, London. 1 vol.  
 Field Museum of Natural History, Chicago. 8 vols and 27  
 Leaflets.  
 Geographical Association. 1 vol.  
 Gifford Trust, Edinburgh. 1 vol.  
 Hale Trustees, Western Theological Seminary, Evanston, Ill.  
 1 vol.  
 Harper Adams Agricultural College, Newport, Salop. 4 vols.  
 Harvard College Library. 3 vols.  
 Museum of Comparative Zoology. Bulletins.  
 Highland and Agricultural Society of Scotland. Transactions.  
 Imperial Agricultural Bureau, U.C.W. 3 vols.  
 Imperial Economic Committee, London. Reports.  
 Imprimerie de la Chambre des Députés de Charles Colombo,  
 Rome. 1 vol.  
 India—Central Publication Branch, Calcutta. 1 Pamphlet.  
 Secretary of State for India in Council. 4 vols.  
 L'Institut Universitaire de Hautes Etudes Internationales,  
 Geneva. 1 vol.  
 Institut voor Phytopathologie, Wageningen, Holland. 1 vol.  
 Institute of Chemistry of Great Britain and Ireland. 2 vols.  
 Iowa State College of Agriculture. Bulletins.  
 Jamaica.—Director of Agriculture. 1 vol.  
 Japan—Financial Commissioner, London. 1 vol.  
 National Research Council, Tokyo. Reports.  
 Java, Anthropological Laboratory, Dutch East Indies. 1 vol.  
 Kentucky Agricultural Experiment Station. Bulletins.  
 Library Association (County Libraries Section), Maidstone.  
 1 vol.  
 Milbank Memorial Fund, New York. 1 vol.  
 Ministry of Agriculture and Fisheries, Lowestoft Station.  
 Fishery Investigations.  
 Musical Association, London. Proceedings.  
 National Library of Wales, Aberystwyth. 17 vols.  
 New Zealand—High Commissioner for New Zealand. 1 vol.  
 Northern Ireland, Ministry of Education, Belfast. Reports.  
 Ohio Agricultural Experiment Station. Bulletins.  
 Research Council of Alberta, Canada. 2 vols.  
 Rhodesia Chamber of Mines, Buluwayo. Annual Report.  
 Rhodesia, Southern, Minister of Agriculture and Lands.  
 Bulletins.  
 Rockefeller Foundation, New York. Annual Report.  
 Rowett Research Institute, Aberdeen. Pamphlets, etc.  
 Royal Dublin Society. 1 vol.  
 Royal Irish Academy, Dublin. Proceedings.  
 Ryojun College of Engineering, Port Arthur, Manchuria. 1 vol.  
 San Diego Society of Natural History, California. Transactions.  
 Science Society of Nanking (Biology Soc.). 1 vol.  
 Selden Society, London. 1 vol.  
 Société des Sciences de Finlande et Helsingfors. 2 vols.  
 Stanborough Press, Ltd., Watford. 4 vols.  
 Tanganyika Territory, Dept. of Agriculture, Dar es Salaam.  
 1 vol.  
 United States, Dept. of Commerce, Bureau of Fisheries. 1 vol.

## Universities and Colleges:—

- Adelaide. 3 reprints.  
 Birmingham. 1 vol.  
 Cambridge. 2 vols.  
 Colorado. 1 vol.  
 Columbia University, New York. 158 vols.  
 Copenhagen, Royal Technical College. 1 vol.  
 Glasgow. 1 vol.  
 Kyushu, Japan. 1 vol.  
 Lille. 2 vols.  
 Lund, Sweden. 2 vols.  
 La Plata. 2 vols.  
 Minnesota. 1 vol.  
 Missouri. 3 vols.  
 Nancy. 2 vols.  
 North of Scotland College of Agriculture. 1 vol.  
 North Staffs Technical College, Stoke on Trent.  
     1 vol.  
 Queen's, Canada. 1 vol.  
 Queensland. 1 vol.  
 Rutgers University, New Jersey. 1 vol.  
 St. Andrews. 2 vols.  
 Wales: 6! Theses.  
 Washington State College. 1 vol.  
 Yale. 9 vols.  
 Walker Galleries, Ltd., London. 16 vols.  
 Washington : Bureau of Standards. 2 vols.  
 Welsh Mountain Sheep Flock Book Society, Brecon. 1 vol.  
 Weltwirtschafts-Institut der Handels Hochschule, Leipzig.  
     1 vol.  
 West of Scotland Agricultural College. 2 vols.

Calendars, Prospectuses, etc., were received from the following Universities, Colleges, etc.:—Aberdeen; Alberta; Armstrong; Auckland; Bangor; Bedford College for Women; Birmingham Technical; Bristol; Birkbeck; Buenos Aires; Chelsea Polytechnic; College of Preceptors; Canterbury, N.Z.; Cape Town; Carnegie Institute of Technology; Colorado; Dublin; Edinburgh; Glasgow; Guadalajara; Harper Adams Agricultural College; Harvard College; Holloway; Hongkong; Hull; Imperial College of Science and Technology; Lille; Liverpool; London; London School of Economics; Lucknow; Macdonald College, Canada; Macgill, Canada; Manchester; Manchester College of Technology; Melbourne; National University of Ireland; New York State; North of Scotland College of Agriculture; Nottingham; Princeton; Queensland; Reading; St. Andrews; Saskatchewan; Southampton; Tasmania; Trinity College of Music; University College, London; Westfield College; Western Australia.

The Publishers of:—Ayrshire Cattle Society's Journal; Belgrade Economic Review; Bible in the World; Books Abroad; Canadian Gazette; La Critique Sociale; Y Ddolen; Elder Dempster Magazine; Gwyllydydd Newydd; The Highway; International Student; Labour Research Monthly Circular; The University; University Correspondent; Wilson Bulletin, New York; The Inquirer; The New Church Magazine; The Abolitionist; British Russian Gazette; Ontario Bulletin, etc.

During the Session I prepared 870 volumes for the bindery, a large proportion being paid for out of money set apart for the purpose out of a special Treasury grant. It is hoped that by the end of this summer all arrears of binding will be wiped off. Applications for loans under the

Library Co-operation Scheme were not as numerous as last session, numbering 36 as compared with 52, but all the volumes applied for were obtained.

The report of Miss E. C. Felstead, junior Librarian, follows:—

REPORT BY MISS E. CEINWEN FELSTEAD.

*Statistics.*

Volumes dealt with during year: Already in Library ..	41
"    "    "    "    "    " : Accessions ..	3,655
Total .. .. .	3,696

Books issued to readers (General Library only) from  
October 1st, 1930, to June 30th, 1931.. .. 8,272

Departmental libraries have received a great deal of attention during the session. Seminar collections have been formed for the Latin and History Departments, and a catalogue on blue cards has been made for the Economics Department Library.

The whole of the geographical and anthropological collection of books, pamphlets and periodicals was transferred to the Geography Department during the Lent term.

The collection of Pamphlets in the Botany Department Library was put in order, and the cataloguing brought up to date.

During the Michaelmas term a comprehensive catalogue of periodicals contained in the Library was prepared for the National Central Library in connection with the Union Catalogue.

Of the many donations received during the year, one of the most interesting is a copy of letters written by G. E. J. Powell, of Nanteos, to Eirikr Magnusson. The letters were transcribed from Landsbokasafn 2189 by Mr. Stefan Einarsson and Mr. Sigurdur Skulason, and presented by them to the Library.

The Science Library was counted in the Easter Vacation and the General Library in the Long Vacation. It is encouraging to find a decrease in the number of books missing, though the total is still a high one.

I attended the Conference on Libraries in Wales and Monmouthshire held at Aberystwyth, in May, 1931.

## THE ART AND CRAFT GALLERY.

### THE CURATORS.

Important additions and re-arrangements have been carried out during the session, mainly in the print and Welsh folk-craft sections. Other sections have also been considerably augmented. The steady growth of the collection has again allowed a regrouping which will help in making a comparative study of the various groups in each of the different sections. Two of the flat exhibition cases have been transferred to the Geography Department and two new upright cases are to take their place. This will add greatly to the exhibition capacity in the pottery, glass and china sections.

In the folk-craft section a really important series of twenty-one native wooden spoons have been acquired. These are objects of local make and Welsh tradition, and are with their spontaneous decorations full of individuality and charm. Other additions in the form of simple utensils are the following:—two wooden piggins, a wooden rattle, two butter prints, three toasting forks, two wooden mugs, a wooden mallet, a stone mortar, two horn cups, ship's foghorn and compass, two tobacco jars, two tea caddies, pair of bellows, three samplers and a South American native musical instrument.

A diligent search continues to be made throughout Wales for additional specimens of native pottery, and several pieces have been acquired. They show characteristic Welsh traditions of shape and enrichment. Additions in this section include a very fine jug in slipware from Montgomeryshire, six dishes, two of the dishes being decorated with inscriptions "Home His Home Be it never so Homely," another with the name "Mary," also a bird on stand, a stoneware pepper pot, money-box, jug, and kettle. A series of seventeen very choice Delit dishes have been purchased: they include specimens from Bristol, Lambeth, Liverpool, France and Brittany.

Again some interesting pieces of glass have been added, namely:—Nailsea wine bottle, five pieces of Bristol glass, bottle with ship, twelve wine glasses, wine bottle (Neuadd, Carmarthenshire), and wine bottle (Humphreys Owen). Other additions include an interesting series of plaques by George Tinworth, illustrating historical Biblical characters.

Another interesting addition to the Gallery is a very fine map of Pembrokeshire, dated 1602, drawn and coloured by hand and most probably the work of George Owen of Henllys. It is notable for the number of coats of arms, coloured, with which it is adorned. At present it is on loan to the National Library of Wales.

The most important purchase in the modern section of the collection is that of forty-nine prints, which include some remarkably fine etchings, woodcuts and lithographs. The etchings acquired are the following:—A series of eight very rare 'states' by Joseph Webb, A.R.E., "A Master's House," "Asylum," "Shepherd's Haven," "Chepstow" (2), "Dream Barn," "Rat Barn," "Prison"; two by Paul Drury, A.R.E., "Nical's Farm" and "After Work"; seven by S. R. Badmin, A.R.E., "Dulwich Village," "Fallen Mill Sails," "Farnyard Farm," "Evening Light Sevenoaks," "The Old Ash," "Burford, Oxfordshire," (these etchings by Badmin are a valuable addition to the fine series of this artist's work which we already have); "Westmorland Farm" by James Bateman, A.R.E.; "Rydal Fells Winter" by B. E. Walker, A.R.E.; "Greyhounds" by Harry Morley, R.E.; "Figures" by Nathaniel Sparks, R.E.; "City Dreams" by Fred Richards; "Number Forty-Nine" by Graham Sutherland, A.R.E.; "The Dance Parade" by M. Green; "Breton Washerwoman" by Enid Butcher; "A Portrait" by E. S. Jones; and a series of five etchings by W. E. C. Morgan—"Young Love Birds," "Harnessed Antelopes," "Perseus," "Self Portrait."

The woodcuts acquired are the following:—three coloured woodcuts by Dorothy Lungley "Kingfishers' Blue," "Fish," "Brother of Kingfisher"; "Hills Glen" by Jan Cheyne; "Silver Pheasant" by Martin E. Phillips; "Spider's Web" and "Lulworth Cove" by Rigden Read; "Ruins at Walterswick" and "At Walterswick" by S. Boasins; "Nasturtiums" by Erick Slater; "Cole Tits" by Jean Armitage; "Sun Spots" by M. A. Royds; "Malanie" by Rosa S. Hope. The lithographs acquired are the following:—"Self portrait" by William Strang, and a series of three by F. R. Way—"Whitstable Harbour," "Late Henry Osvovat" and "Lincolns Inn."



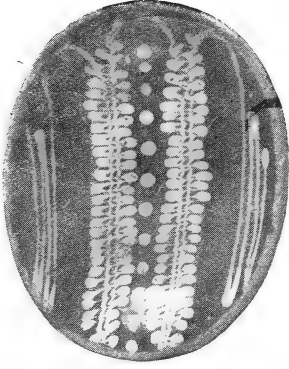
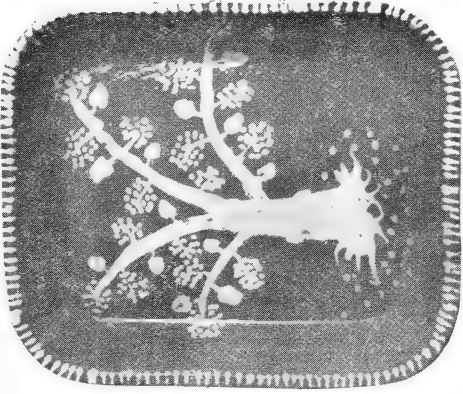
BRITISH  
MUSEUM  
2 MAR 77  
NATURAL  
HISTORY.

CRAFT GALLERY  
RECENT ACQUISITIONS



NATIVE CRAFT—WOODEN SPOONS  
MAINLY WELSH

CRAFT GALLERY—RECENT ACQUISITIONS



NATIVE WELSH POTTERY—SLIP WARE DISHES

THE  
MUSEUM  
& MAPS  
NATURAL  
HISTORY



a total of twenty less than last year, doubtless due to the larger number than usual of graduates who left last June, and to the prevailing depression in trade, especially in South Wales.

Once again, in the desire to decrease the debts on the three Halls, we have used them as much as possible for vacation schools and tenancies. The complete list of courses and conferences held from July, 1930, to August, 1931, is as follows:—

- Alexandra Hall.* (a) National Young Life Campaign (five weeks), July--August, 1930.  
 (b) United Missionary Conference, Easter, 1931.
- Plymlymon.* (b) Overflow (two weeks) from the National Young Life Campaign, August, 1930.  
 (b) Refresher Course for Cardiganshire Teachers, Easter, 1931.

There are in addition during the Easter Vacation each year a number of Entrance Scholarship candidates housed at Alexandra Hall for their week's examination, and of students in the Training Department housed at Carpenter Hall for a fortnight's school practice during September. The fact that the United Missionary Conference was here for the third time, and the National Young Life Campaigners were our tenants also for the third time proves the value of our efforts.

## OFFICERS' TRAINING CORPS.

MAJOR H. F. STIMSON, T.A. RES.

*Establishment.*—3 Officers, 100 Officer Cadets.

1. <i>Strength.</i> —	1923-24	..	2 Officers.	78 Officer Cadets.
	1924-25	..	2 "	87 " "
	1925-26	..	4 "	93 " "
	1926-27	..	4 "	93 " "
	1927-28	..	2 "	101 " "
	1928-29	..	1 "	104 " "
	1929-30	..	2 "	102 " "
	1930-31	..	2 "	105 " "

The above table shows that as far as the students are concerned the Corps is as popular as ever. It is necessary to point out that during the coming session I complete my period of command and that a special effort should be made to find a successor. The only subaltern officer on the strength is now resident in London and is therefore only effective during annual training.

### 2. *Training.*

(a) **GENERAL.**—The improvement reported last year has been maintained, the recruits being keen and of good standard.

(b) **SPECIAL.**—A short intensive course was held at the end of the Spring Term, 50 cadets attending. Captain Davies Jenkins, Adjutant, 7th R.W.F., again assisted with the training.

3. *Musketry.*

(a) CLASSIFICATION.—The usual classification practices were carried out during the Summer Term, Lance-Corporal A. Whitehouse proving himself the best shot in the Contingent.

4. *Armistice Day.*

The Corps provided the Guard of Honour at the Memorial Service held on the Castle Grounds on November 11th, 1930.

## 5. (a)

The following qualified for certificates as under:—

*Certificate "A."* Officer Cadet J. A. Benjamin.  
 " " D. K. Cable.  
 " " W. C. Davies.  
 " " W. H. Hicks.

*Certificate "B."* " " R. K. Bowen.  
 " " E. T. Griffiths.  
 " " E. G. Williams.

## (b) The following have passed Part. I. (Practical):—

*Certificate "A."*—Cadets, Bartholomew, R. A., Beynon, W. V., Brace, D. R. E., Carter, G. E., Cooper, J. H., Counsell, E., Davies, C. H., Harris, B., Jarvis, S. G., Jenkins, J. B., Jeremy, J. D., Jones, J. K. T., Jones, T. R., Jones, W. H., Leach, A. S. T., Morgan, D. L., Morgan, J., Owens, R. D. J., Price, M. S., Rees, J. G., Roberts, R. J., Thomas, G., Whiteside, A.

*Certificate "B."*—Cadets, Davies, W. C., Hall, W. J., Hicks, W. H.

6. *Commissions.*

Officer Cadet W. E. Lewis was gazetted Second Lieutenant in the 7th R.W.F. on 23/6/31.

7. *Annual Training.*

The Annual Camp was held at Christchurch, near Bournemouth, from July 16th to July 30th. In all 2 Officers, 69 Cadets attended for a period of not less than 10 days and a most interesting and enjoyable time was spent. Second-Lieutenant W. E. Lewis was attached for training for ten days before joining his unit at Porthcawl and proved himself a capable subaltern.

8. *Annual Inspection.*

The Corps was inspected on July 27th by Colonel W. G. Lindsell, D.S.O., O.B.E., M.C., R.A., who reported as follows:—

DRILL:—Good and steady. Arms drill good.

WEAPON TRAINING.—Quite satisfactory.

MANOEUVRE.—The Contingent was seen carrying out its normal tactical training in a small advance guard exercise. Good work was in evidence in fire direction and control. Elementary principles were well understood and applied.

DISCIPLINE.—Good.

TURN OUT.—Good. Equipment and clothing in good order and well put on.

ARMS AND EQUIPMENT.—Satisfactory.

GENERAL REMARKS.—All ranks showed great keenness. Cadet  
Non-commissioned officers displayed good command and  
leadership.

9. *Acknowledgments.*

I am again indebted to Professor T. Campbell James for his sympathetic interest and help.



## AGRICULTURE.

PROFESSOR J. JONES GRIFFITH.

The following table indicates the number of agricultural students who pursued the various courses of study during the past session :—

<i>Degree Course:</i>	1st Year .. ..	8
	2nd Year .. ..	8
	3rd Year .. ..	6
	4th Year .. ..	6
	Post-graduate .. ..	7
<i>Diploma in Agriculture:</i>		
	1st Year .. ..	1
	2nd Year .. ..	8
	3rd Year .. ..	5
<i>Diploma in Dairying:</i>		
	1st Year .. ..	5
	2nd Year .. ..	6
Short Course in Agriculture .. ..		
		14
Continuation Course in Agriculture .. ..		
		11
Short Course in Dairying .. ..		
		27
Special Course in Dairying .. ..		
		3

### *Degree Course.*

It is very gratifying to be able to report that there are indications of a steady increase in the number of students pursuing the degree courses in the Faculty of Rural Science, and I am glad that the work done in all grades during the past session was on the whole very satisfactory.

Six students sat the Final Examination and all were successful. One student, Mr. D. S. Edwards pursued the Honours Course and was placed by the examiners in the First Division of the Second Class at the University Examination.

One special feature of the first year class was the presence of two women students who intend taking Agriculture and Zoology as principal subjects and Dairying as a supplementary course. This would appear to be a particularly useful course of training for women students who desire to be well qualified for many posts connected with rural education.

### *Agricultural Diploma Course.*

The total number of students pursuing the Agricultural Diploma Course has been relatively small for some years, and it is not likely that there will be any appreciable improvement in this connection under present circumstances. Many inquiries about the course are received from farmers' sons. In the great majority of cases, however, they ultimately indicate their inability to attend owing to the fact that the agricultural scholarships offered by most of the county authorities in our College area are much too low in value when considered in reference to the present cost of living.

### *Short and Continuation Courses.*

The work of students taking these courses was up to the average in quality. In fact some of them were very promising students and it is to be hoped that they will obtain the necessary financial assistance to enable them to proceed to the Diploma Course.

*Dairy Courses.*

Very satisfactory work was performed by our dairy students, particularly those who were pursuing the Diploma Course. A high proportion of them were successful, not only at our College examinations, but also at the examination for the National Diploma in Dairying.

It is gratifying to note that all who succeeded to obtain the National Diploma have already been appointed to satisfactory posts in connection with the dairying industry.

*College Farm.*

At the College Farm, Nantcellan, work was carried out in the main on the line of previous years. Each year, however, there are additions to the Scheme of Experimental Work and to the modern implements and appliances available for demonstration purposes. It is felt that both as regards its equipment and its live stock the farm is gradually becoming more serviceable for the students of the Agricultural Department and for farmers in the College area.

*Extension Work.*

During the past session, members of the Teaching Staff as well as the Advisory Officers were responsible for a very considerable amount of work in the affiliated counties. Members of the Teaching Staff delivered lectures on agricultural subjects at several centres and also carried out a good deal of advisory work.

In conclusion I must express my gratitude to all my colleagues for their very loyal and efficient co-operation with the work of the Department throughout the session.

**AGRICULTURAL CHEMISTRY.**

PROFESSOR T. W. FAGAN.

The total number of students attending the classes in Agricultural Chemistry was fifty-five, and the number attending the different courses was as follows:—

Short Course in Agriculture .. .. .	14
Continuation Course in Agriculture .. .. .	11
Diploma Course in Dairying, 1st Year .. .. .	4
Diploma Course in Dairying, 2nd Year .. .. .	6
Diploma Course in Agriculture, 1st Year .. .. .	1
Diploma Course in Agriculture, 2nd Year .. .. .	7
Diploma Course in Agriculture, 3rd Year .. .. .	4
Degree Subsidiary .. .. .	6
Degree Final .. .. .	1
Research .. .. .	1

The number of students show a slight decrease on the previous year owing to the smaller number attending the Short Course in Agriculture. This is due, as has been previously pointed out, to the fact that a number of such students now attend the Farm Institutes. While there are facilities offered by means of which the best students can proceed from the Institutes and pursue the Diploma Course at Aberystwyth, there does not appear to be the same incentive for Agricultural students to do this as is the case when they take the Short and Continuation Courses at Aberystwyth.

*Short and Continuation Courses in Agriculture.*

The students attending the Short Courses did very satisfactory work, and 78 per cent of them returned to take the Continuation Course. Of the students pursuing the Continuation Course nine were successful in the examination held at the completion of the course. There was only one failure and one student was absent from the examination through illness.

*Diploma Course in Dairying (1930).*

This was an excellent class, and of the nine students who completed the course seven were successful in obtaining the College Diploma. Eight members of this class presented themselves for examination for the National Diploma in Dairying and six were successful.

The first and second year students have done good work and although the majority of the first year students possessed but a very elementary knowledge of chemistry, they have through hard work made great improvement in the subject.

*Diploma Course in Agriculture.*

Of the four third year students, three qualified for the College Diploma, and two of these were successful in the examination for the National Diploma in Agriculture.

Judged by their work during the session the second year students give promise of developing into a very successful third year class.

*Degree Subsidiary.*

This was an average class, and five of the students were successful in their examination.

In view of the fact that many enquiries are received for well-qualified Agricultural Chemists, it is a matter of regret that no member of this class is pursuing the subject further.

*Final.*

The only student taking the final course was successful in his examination.

*Research.*

In conjunction with the Welsh Plant Breeding Station staff and that of the College Farm, Nantcellan, the following investigations are in progress:—

- (a) The chemical composition of Edible weeds. (Second year.)
- (b) The effect of manures on the nitrogen and mineral content of the herbage of pastures. (Second year.)
- (c) The influence of manures on grassland productivity.
- (d) The effect of the application of Manganese on Grey Speck disease in Oats.
- (e) The influence of habitat on the mineral content of grasses and clovers.

*Appointments.*

Mr. R. E. Evans, M.Sc., Ph.D., has been appointed to the staff of the Animal Nutrition Department of the School of Agriculture, Cambridge.

Mr. Emrys Davies, B.Sc., to the staff of the Llysfas Farm Institute.

In conclusion, I wish to offer my sincere thanks to my colleague, Mr. R. O. Davies, for his most efficient and loyal co-operation in all the work of the Department.

## AGRICULTURAL BOTANY.

MISS KATHLEEN SAMPSON.

The number of students taking courses during the session 1930-31 was as follows:—

Research	..	..	..	..	..	..	..	3
Degree: Honours	..	..	..	..	..	..	..	3
Final	..	..	..	..	..	..	..	3
Subsidiary	..	..	..	..	..	..	..	9
Diploma in Agriculture:	1st year	..	..	..	..	..	..	1
	2nd "	..	..	..	..	..	..	6
	3rd "	..	..	..	..	..	..	3
Diploma in Dairying:	1st year.	..	..	..	..	..	..	6
	2nd "	..	..	..	..	..	..	7
Continuation Course	..	..	..	..	..	..	..	11
Short Course	..	..	..	..	..	..	..	14
								<hr/> 66 <hr/>

*Diploma.*

The Diploma students worked well on the whole and made satisfactory progress. Among second year students, Mr. L. J. McHardy and Miss Muriel Davies deserve special mention. Three students entered for the National Diploma in Agriculture examination in Agricultural Botany, and two were successful in this subject and obtained the full Diploma. Three students were awarded the College Diploma in Agriculture.

*Degree.*

The subsidiary class was somewhat uneven in quality. Several students did very good work, while a few were distinctly weak in the subject. Nine students entered for the sessional examination and seven passed. Each of the three students taking Final in Botany with Agricultural Botany did good work throughout the session and passed the Final examination.

The Honours class worked well and showed a keen interest in the subject. Mr. C. B. Singhal was placed in Class II., Division I., Mr. E. O. James in Class II., Division II., and Mr. J. O. Thomas in Class III.

The two latter students have done good practical work during their course, but both found difficulty in self-expression.

This is the first year in which the courses for Honours in Botany with Agricultural Botany has been in complete operation. The scheme has worked smoothly and it promises to meet the needs of those who intend to take up advanced work on the applied side.

Five students, who are already working towards this degree, are assisting with routine work at the Plant Breeding Station this summer, and by the kind permission of Professor Stapledon the usual vacation camp has been established on the farm.

*Higher Degrees.*

The degree of M.Sc. was obtained in January by Mr. E. T. Jones, B.Sc., a past student of the department and a member of the staff of the Welsh Plant Breeding Station. His thesis entitled "Morphological and genetical studies of fatuoid and other aberrant grain-types in *Avena*," reached an exceptionally high standard.

Mr. B. L. Sethi, M.Sc. (Punjab), continued his work on the cytology of certain grasses and was awarded the degree of Ph.D. on a thesis entitled "A study of some species and types of *Phleum*, *Phalaris* and *Festuca*, with regard to their chromosome numbers and breeding properties."

Mr. F. H. Peto, M.Sc. (Alberta), is obtaining interesting results in connection with his study of the cytology of various grasses and their hybrids.

Mr. Ahmed Ali Querashi, M.Sc. (Punjab), another prospective candidate for the Ph.D., began his work in the Easter term on the fertility of *Lolium* and the inheritance of rust resistance in *Phleum* spp.

The department is again greatly indebted to members of the advisory and research staff who have given courses or special lectures and have helped also by gifts of material for class work.

Lectures were given by Mr. T. J. Jenkin, M.Sc. (Plant Breeding and Genetics), Captain R. D. Williams, M.Sc. (Plot Technique), Mr. D. Walters Davies, B.Sc. (Applied Mycology), Mr. E. T. Jones, M.Sc. (Oats), Mr. M. T. Thomas, B.Sc., and Mr. W. E. J. Milton, N.D.A. (Grassland Agronomy), Mr. H. G. Chippindale, M.Sc. (Physiology), and Mr. R. A. Silow, B.Sc. Agric. (Taxonomy and anatomy of certain crop plants).

#### Past Students.

Mr. Rhys Williams, B.Sc., has been appointed as Agricultural Organiser in the county of Middlesex; Mr. Basil Jenkins, B.Sc., has taken up a similar position in the Isle of Wight. Mr. I. G. Lewis, N.D.A., has been made Advisory Assistant at the St. Ives Research Station, Bingley. Mr. W. A. Jones, N.D.A., now working at Cambridge, was awarded the silver medal given by the Royal Agricultural Society of England.

#### Research.

Mr. D. Walters Davies is carrying out in connection with his advisory work special investigations on the control of Dry Rot of Swedes, Finger and Toe in Crucifers and American Gooseberry Mildew. Further work on the Grey Speck Disease of Oats is in progress, and the breeding work continues with the object of obtaining a suitable oat variety resistant to crown rust.

Miss A. Poulter, B.Sc. Agric., is studying the flowering of certain grasses and has also undertaken a morphological study of the cleistogenes of *Triodia decumbens*.

Some progress has been made in my work with *Epichloe typhina*, and the smut diseases of cereals. During the past session I have also undertaken the examination of diseased turves sent to me by the Director of the St. Ives Research Station, Bingley. These have provided some interesting material, including what appears to be a new species of *Ohlpidium*.

After attending the International Botanical Conference at Cambridge in August, 1930, I visited various research stations in Sweden and Denmark.

In July, 1931, we had the pleasure of welcoming the Summer Conference of Advisory Officers in Mycology and Entomology and the Phytopathological Section of the British Mycological Society, which met this year at Aberystwyth.

In conclusion, I have the pleasure in acknowledging the invaluable help which the department receives both in teaching and research by its close connection with the Plant Breeding Station. I wish finally to express my thanks to Miss Poulter for her very efficient and loyal help in the work of the department.

### WELSH PLANT BREEDING STATION.

DIRECTOR: PROFESSOR R. G. STAPLEDON, M.A.

As in past seasons a large number of overseas and other scientists have visited this Station, while numerous parties of farmers have also inspected the work in progress.

An interesting departure this season was an official visit from the Agricultural Seed Trade Association of the United Kingdom, the party including representatives of forty of the leading firms in the country. At an informal meeting held during the period of the visit, a discussion took place as to the methods which most advantageously might be employed with a view to arranging for the distribution of the products of the Station. In this connection it is interesting to report that very satisfactory harvests were obtained in Montgomeryshire last year and the full fifty acres that can be devoted to seed production under the terms of the grant from the Empire Marketing Board has now been sown in Montgomeryshire and will be producing crops next year.

The work in regard to general improvement of grassland has now been extended to include researches and enquiries relative to the open hill grazings and in this connection the Station has acquired a Caterpillar tractor and other implements, and is much indebted to Captain Bennett Evans, of Peithyll, Bow Street, and to Mr. Stanley M. Bligh, of Cilmery Park, Builth Wells, who have given the Station facilities for conducting extensive trials on their properties, and who are giving generous assistance to this work. Thanks are similarly due to Mr. Daniel Davies, Llety-evanhen, Bontgoch, Cardiganshire, and to Mr. Ll. Bebb, Blaendyffryn, Goginan, for placing land on their farms at the disposal of the Station for further trials on these lines.

The breeding work in progress at the Station continues according to plan, and a number of strains are now coming forward for experimental purposes.

In connection with the oat breeding work considerable progress has been made with the selections based on a cross with a view to producing a white winter oat, and a definite decision will be made as to these at an early date, when arrangements will be made for distributing the most satisfactory lot.

The selection work on pure lines of the Welsh Ceirch Llwyd and Ceirch-du-bach oats has been completed and arrangements have been made with the Welsh Agricultural Organisation Society with a view to the distribution of these strains in districts where they are most suitable.

A special investigation on the nature of flowering and the self- and cross-fertility of a large number of grass and clover species has been completed and the results will shortly be published.

Mr. William Davies, who is to be congratulated on the excellent work he has done in New Zealand, has returned from his two-year period

in that Dominion, and arrangements are being made for him to go to Australia for a year after he has spent some little time in Aberystwyth.

I should like to take this opportunity of conveying my warmest thanks to Mr. Jenkin, who acted for me during the latter part of last session, and to him and all the staff of the Station for their active and loyal support in connection with all the researches and investigations in progress.

### **IMPERIAL BUREAU OF PLANT GENETICS: HERBAGE PLANTS.**

DIRECTOR: PROFESSOR R. G. STAPLEDON, M.A.

The work of the Bureau is progressing in a very satisfactory manner. Large numbers of enquiries are now regularly received from overseas, while the bulletins and other publications issued from the Bureau are evidently much appreciated by those for whom they are intended.

During the session Mr. Jenkin and Captain Williams have very kindly assisted in the preparation of a special bulletin dealing with the methods employed in the breeding of herbage plants at the Welsh Plant Breeding Station and this has been issued as a Bureau bulletin.

My thanks are abundantly due to Dr. R. O. Whyte and Miss G. M. Roseveare and the staff of the Bureau for the smooth way in which its activities are conducted.

### **AGRICULTURAL ECONOMICS.**

PROFESSOR A. W. ASHBY.

During the year there were two Third Year students for Pass and one Fourth Year student for Honours studying in the Department. Five candidates for Post Graduate degrees have pursued studies under supervision:—

Ph.D. Second Year ..	1
First Year ..	2
M.Sc. Final Year ..	2

Three theses were submitted, namely, one for Ph.D. and two for M.Sc., and all candidates were successful. The degree of M.Sc. has been obtained by Mr. J. Pryse Howell, Dip. Agric., the Assistant Economic Advisor. This degree has also been awarded to Mr. E. Llewelyn Harry, an ex-student of the Department.

More students are coming forward as Pass Candidates in 1931-32 and six are expected to be registered for studies in the Department.

#### *Special Intra-Mural Work.*

Mr. J. Pryse Howell has given lectures to Diploma and Continuation course students of the Agricultural Department, and Mr. J. Llefelys Davies has again assisted the Lecturer in Farm Accountancy (Mr. E. B. Hicks) with the instruction in that subject.

#### *Extra-Mural Work.*

Messrs. Howell, Davies, and J. Glynne Williams took six classes of four to six meetings each, in the counties of Cardigan and Montgomery. In addition, members of the staff generally have given 21 lectures in individual centres; and addresses have been given at a number of special conferences and meetings in Wales. I have been called upon for a number of special lectures in England.

From time to time the Department issues prepared articles to the local newspapers of Wales, and these have been accepted and used by a fair number of papers. The following articles prepared by Mr. J. Llefelys Davies have been issued during the year:—Profitable Poultry Keeping; Financial Results of Welsh Farms; The Farm Horse; The Cattle Trade of Wales; Feeding Stuffs on Welsh Farms; Marketing Livestock in Wales; Welsh Farm Butter. We very much appreciate the assistance of the Editors of local papers in Wales in the use of this method of giving information and suggestions to farmers.

*Joint Scheme—Co-operative Advisory Work.*

Mr. J. Glynne Williams joined the staff in October last to carry on the work under this Scheme. An analysis of accounts of all co-operative societies for 1929 was prepared and issued to the societies concerned, and an analysis of accounts for 1930 is being made for each society and reports submitted individually. These analyses are directed to the examination of causes of profit and loss both generally and for individual businesses, and in some cases they are exceedingly helpful.

A very successful conference was held in May when, in addition to the consideration of co-operative affairs, there was an exceedingly interesting discussion of the possibilities of extending the food-canning industry to Wales. This discussion received a great deal of very useful publicity in both the local and national newspapers.

*Research.*

Special features of the research work are the completion of a study of prices of pigs (in which we have been assisted by Mr. Percy George, M.A.) and the completion of a study of prices of potatoes by Mr. C. A. Speller, M.A. As a result of study of pig prices, six months' forecasts of price changes in the Welshpool and Llandilo areas were issued and printed by local newspapers.

The Department continues to provide an accounting system for a large number of farms in Wales and thus to assist farmers in their problems of management while also securing information about the economic conditions in the industry.

*Publications.*

A list of publications is appended, but it may be mentioned that our quarterly publication—*The Farm and Market*—continues to secure a good deal of attention. Also that the staff of the Department have co-operated with the Welsh Agricultural Organisation Society in the preparation and issue of a quarterly journal—*Agricultural Business*—for agricultural co-operators in Wales. Four issues have been made.

*General.*

On the whole the progress of the research and advisory work of the Department has been satisfactory, and there is promise of further development.

My cordial thanks are due to all my colleagues for their keen interest in the development of the work of the Department and for their loyal support of its various activities.

**VETERINARY HYGIENE.**

MR. A. PARRY.

*No. of Students:*—Michaelmas Term.

Short Course Students	..	..	14
1st Year Dairy Diploma	..	..	4
1st Year Agric. Diploma	..	..	1



## Lent Term.

Continuation Course Students	..	..	11
1st Year Dairy Diploma	..	..	4
1st Year Agric. Diploma	..	..	1

The elementary anatomy of the horse was studied and compared with that of the ox, pig and sheep.

The process of digestion was fully explained in the domestic animals, ageing of animals; also methods of control of animals. The contagious diseases affecting animals were studied, special attention given to those contagious to mankind. The value of hygiene in the prevention and care of animal diseases. Hygienic conditions necessary for the production of clean milk and the diseases of dairy cows during the lactation period. The cause, prevention and cure of the common ailments amongst farm animals. A practical demonstration in handling animals, method of diagnosing various complaints in animals was given at the College Farm.

**DAIRY BACTERIOLOGY.**

Mr. S. B. THOMAS.

The number of students attending courses in Dairy Bacteriology during the session was as follows:—

Diploma in Dairying: 1st Year	..	..	..	..	..	6
Diploma in Dairying: 2nd Year	..	..	..	..	..	8
Short Course in Dairying	..	..	..	..	..	27
Short Course in Agriculture	..	..	..	..	..	14

*Diploma Courses.*

It has been found that the grant of money supplied for additional laboratory equipment has helped materially in the carrying on of practical instruction for the more advanced students taking Bacteriology for the Dairy Diploma.

It is to be hoped that this grant will be continued annually.

Ten students who pursued the Second Year Diploma Course last session attended further practical courses of instruction during the summer vacation. Nine presented themselves for examination for the National Diploma in Dairying, and all were successful in Bacteriology.

The majority of this session's Diploma students have worked consistently, and some of them should do well in the National Examination.

*Past Students.*

Miss Marion Jones, N.D.D., has been appointed Dairy Bacteriologist to the Midland Counties Dairy Limited, Birmingham, whilst Miss Mary Kinsey, N.D.D., has been appointed Demonstrator at the same laboratory.

Miss Annie Davies, N.D.D., and Miss Bertha Evans, N.D.D., have obtained posts at Cheese Factories, whilst Miss N. E. Pennie, N.D.D., and Miss H. M. Hancock are in charge of milk production at farms selling Graded Milk.

Miss Hetty Jones, N.D.D., carried out investigational work on the thermophilic flora of raw and pasteurized milk under my supervision during the early part of this session.

*Laboratory Work.*

A resume of the analytical work carried out during the past seven sessions is given below :—

Session.	County Milk Competitions.	County Butter Competitions.	Local Public Health Authorities Co-operating.	Bacteriological Examinations of Dairy Products.	Chemical Examinations of Dairy Products.
1924-25 ..	1	—	—	66	66
1925-26 ..	4	—	4	510	495
1926-27 ..	4	—	9	781	883
1927-28 ..	6	—	16	1584	1666
1928-29 ..	3	3	24	2124	1928
1929-30 ..	2	3	28	1492	742
1930-31 ..	3	3	31	2400	1600
TOTALS	23	9	—	8957	7380

This type of work has shown a decided increase during the past session and it was found possible to engage an additional laboratory assistant.

Further laboratory accommodation is urgently required, the one room used at present is overcrowded with equipment, and it has become practically impossible to carry on accurate bacteriological investigations under the circumstances.

*Bovine Tuberculosis Investigation.*

Fifty-three samples of milk have been examined for Bovine Tuberculosis. These samples were examined for :—

Merioneth County Council.  
Aberayron Rural District Council.  
Tregaron Rural District Council.

There is every indication that this work will be extended considerably in the near future, as the Welsh Board of Health is encouraging the various Public Health Authorities to undertake these examinations.

*Extra Mural.*

Co-operation with the County Agricultural Staffs has been maintained and lectures were given at ten centres during the winter. Various Dairy Classes held by the Dairy Instructress were visited during the summer, and lectures and demonstrations given.

An address was given on the Bacteriological work carried out at Aberystwyth at a meeting of the Welsh Branch of the Society of Medical Officers of Health. Addresses have also been given at branch and

general meetings of the Dairy Students' Associations which have been recently formed in Pembrokeshire and Cardiganshire.

#### *Research.*

Investigational work has been mainly carried out in conjunction with the Dairy Department.

- (a) Thermophilic flora of raw and pasteurized milk.
- (b) The bacteriological content of Graded Milk.
- (c) The development of technique for the bacteriological examination of butter starters.
- (d) The laboratory control of ice-cream manufacture.
- (e) Investigations on the micro-flora of fresh and ripened cream.
- (f) Investigations on the micro-flora of Welsh Farm butter.

### **LAND SURVEYING AND FARM BUILDING CONSTRUCTION.**

MR. G. T. BASSETT.

The Class opened with seven students, but after the first term one left. The attendance was very regular and at the final examination two were placed in the First Class, two in the Second, and two in the Third. All the men who sat Surveying in the National Diploma in Agriculture examination passed in the subject.

### **DAIRYING.**

MR. G. T. MORGAN.

The number of students taking courses in Dairying during session 1930-1931 was as follows:—

1st Year Diploma in Dairying .. ..	5
2nd Year Diploma in Dairying .. ..	7
Diploma Students in Agriculture taking Dairying .. .. .	1
Six Weeks' Courses in Practical Dairying ..	27
Special Courses in Practical Dairying ..	3

In September, 1930, seven students were successful in obtaining the National Diploma in Dairying.

#### *Past Students.*

It is gratifying to report that all those students who completed their Diploma Courses last year were successful in obtaining posts. Miss Mary Kinsey obtained a post in the Publicity Department of the Midland Counties Dairy Limited, Birmingham. Misses N. Pennie, Catherine Jones and Gwen Williams are in charge of milk production on farms producing Graded Milk, whilst Misses Isabella Jones, Annie Davies and H. M. Hancock have obtained posts at Cheese Factories.

#### *Butter Competitions.*

During the year Butter Competitions have been conducted by the Cardiganshire, Merionethshire and Pembrokeshire Agricultural Committees, and I have co-operated with the Dairy Bacteriologist in the examination of over 200 butter samples.

*Investigational Work.*

The investigational work in regard to the factors influencing the keeping quality of farm produced butter is being continued.

*Equipment.*

A certain amount of new equipment was purchased for the College Dairy during the session, this has eased the work considerably. Much of the old equipment is in a bad state of repair and will need replacing in the near future.

Miss Hetty Jones, N.D.D., was again appointed Temporary Assistant at the Dairy for the Summer months and I wish to express my thanks to her for her loyal co-operation.

**AGRICULTURAL ACCOUNTANCY.**

MR. E. B. HICKS.

The following students pursued the course during the year.

	<i>No.</i>
<i>Junior Section :</i>	
Short Course Students .. ..	14
First Year Dairy Students .. ..	5
<i>Senior Section :</i>	
Second Year Dairy Students .. ..	6
Agricultural Diploma Students .. ..	5
Agricultural Degree Students .. ..	2

The plan put into operation last year, which divided the Accountancy Classes into two sections, appears to have been fully justified. The Short Course Students this year were a very good class, and some of the Dairy Students should do well in the Accountancy sections of the National Diploma examinations.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF.  
SESSION 1930-31.**

*German.*

Mr. DAVID EVANS:

Translations from the German and the Danish which appeared in various monthly periodicals for children.

H. Seidel, "Der gute alte Onkel." *Gesammelte Werke* II. 274-283.

W. Hauff, "Märchen." *Die Geschichte von dem Gespensterschiff.* 23-26.

W. Hauff, "Märchen." *Die Geschichte von der abgehauenen Hand,* 36-54.

Andersen, "Ole Lukoie." 13 p.

"Y Wers." *Cyfarwyddwr*, July—November, 1930.

"A post-war German School," *Welsh Outlook*, May, 1931.

"Crwydro" (Theory and Practice). *Tyst.* August 21st, 28th, September 4th, 1930.

Studies on the Environment and Mentality of the countryside.

"Bywyd y Wlad." *Efrydydd.* July, 1930, p. 268-276.

"Bywyd y Pentref." *Efrydydd.* June, 1931. p. 246-251.

"Plant y Wlad a Phlant y Dref." *Cyfarwyddwr.* June, 1930. p. 162-170.

"Crefydd yn Ysgol y Wlad." *Cymro.* December 17th, 1930.

"Y Chwedl a Dychymyg y Plentyn." *Athro.* Jan., 1931. p. 69-73.

Articles on Language.

"Iaith dy Fam yn yr Ysgol." *Tyst.* June, 19th, 1930.

"Iaith." *Efrydydd.* January, 1931. p. 94-99.

"Tyfiant Iaith." *Efrydydd.* February, 1931. p. 123-129.

"Iaith, Tafodiaith ac Iaith Arall." *Tyst.* March 5th, 12th, 1931.

"Iaith y Fam ac Iaith y Tad." *Efrydydd.* July, 1931. p. 271-279.

*History.*

PROFESSOR R. F. TREHARNE.

Thirty articles on English Medieval History in the *Enciclopedia Italiana* (letter E).

*International Politics.*

PROFESSOR C. K. WEBSTER.

"The Foreign Policy of Castlereagh, 1812-15," and various articles.

*Welsh.*

PROFESSOR T. H. PARRY-WILLIAMS.

*Carolau Richard White.* Welsh Univ. Press.

*Llawysgrif Richard Morris o Gerddi (B.M. Add. MS. 14,992).* Welsh Univ. Press.

*Welsh Literature.*

PROFESSOR T. GWYNN JONES.

*Talhaiarn: Detholiad o Gerddi.* Gwasg Aberystwyth, 1930.

*Celtic Research and Palaeography.*

Mr. TIMOTHY LEWIS.

*Mabinogi Cymru (Llyfr Henog)*. pp. XVI. 200, map. Gwasg y Fwynant, Aberystwyth. 1930. 10/6. Vol. II in *Hywel Dda Series* (published by the author's private press).

*Education.*

Dr. GWENAN JONES.

Two articles and a bibliography in relation to re-organisation of schools. *Efrydydd*, October, 1930.

"Addysg Plant y Wlad." Review of the Report on Rural Education in Wales. *Efrydydd*, April, 1931.

Dr. GEORGE H. GREEN.

An account of an investigation into racial prejudices of children. *Parents' Review*, June, 1931, and *Geography*.

A series of Articles entitled "The Craft Bias" in the journal of the Educational Handwork Association.

*Pure Mathematics.*

Mr. V. C. MORTON.

"On Darboux Lines." *Proceedings of the London Mathematical Society*, Ser. 2, Vol. 31, Part 6.

*Applied Mathematics.*

Mr. T. LEWIS.

"On the Reduction of Dynamics to Geometry." *Phil. Mag.*, Vol. II., p. 753, 1931.

Mr. W. G. L. SUTTON.

"The Stability of some Discontinuous Fluid Motions." *Phil. Mag.*, Vol. II., p. 1196, 1931.

*Geology.*

Mr. J. CHALLINOR.

"The Stratigraphical Position of the Roches Rough Rock." *Trans. North Staffs. Field Club*. Vol. LXIV (1930). pp. 41-3.

"The Hill-top Surface of North Cardiganshire." *Geography*, Vol. XV. (1930). pp. 651-6.

"Some Coastal Features of North Cardiganshire." *Geol. Mag.*, Vol. LXVIII. (1931). pp. 111-121.

*Zoology.*

Dr. TRAVIS JENKINS.

"The International Fishery Investigations." *Quarterly Review*, April, 1931.

PROFESSOR R. DOUGLAS LAURIE.

As Chairman and Secretary of a Committee of the British Association appointed to consider and report upon the position of Animal Biology in the School Curriculum and matters related thereto.—An interim report of the Committee to the Association at its 1930 meeting at Bristol. *Report Bristol Meeting Brit. Ass. Adv. Sci.*, 1930, p. 260. London, 1931.

*Botany.*

Mr. E. H. CHATER.

"The Biological Control of Gorse." *Quarterly Bulletin of Entomological Research* (in the press).

*Geography and Anthropology.*

PROFESSOR C. DARYLL FORDE.

"On the use of Greenstone (Jadeite, Callais, etc.) in the Megalithic Culture of Brittany." *Journal of the Royal Anthropological Institute*, 60, 1930, 211-234.

"Review of recent work on the European Bell Beaker." *American Anthropologist*, 33, 1931, 126-129.

Mr. W. E. WHITEHOUSE.

Articles in the *Enciclopedia Italiana*.

Mr. E. G. BOWEN.

"A Map of the Trehelig Common Fields." *Montgomeryshire Historical and Archaeological Collections*, 41, 2, 1930.

"Some Geographical and Anthropological Factors in the study of Industrial Diseases." *Journal of State Medicine*, 38, 11, 1930.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF,  
SESSION 1930-31.**

*Agricultural Chemistry.*

PROFESSOR T. W. FAGAN and Mr. R. O. DAVIES.

"The recovery of Nitrogen in Pastures from the application of Nitrogenous Manures. Part II. The recovery of Nitrogen in ordinary swards." *Welsh Journal of Agriculture*. Vol. VII. 1931.

PROFESSOR T. W. FAGAN and Mr. J. E. WATKIN.

"The distribution of the nitrogenous and mineral constituents in the Oat Plant at different stages of growth." *Welsh Journal of Agriculture*. Vol. VII. 1931.

PROFESSOR T. W. FAGAN and Mr. W. E. J. MILTON.

"The Chemical Composition of eleven species and strains of grasses at different stages of Maturity." *Welsh Journal of Agriculture*. Vol. VII. 1931.

Mr. T. W. EVANS.

"The Chemical Composition of Pasture Grass under different systems of Management." *Welsh Journal of Agriculture*. Vol. VII. 1931.

PROFESSOR T. W. FAGAN.

"The Influence of Management on the Nutritive Value of Herbage Plants." In *Agricultural Progress*. Vol. VIII. 1931.

*Agricultural Botany.*

MESSRS. D. WALTERS DAVIES and E. T. JONES.

"Grey Speck Disease of Oats." *Welsh Journal of Agriculture*. Vol. VII. 1931.

*Welsh Plant Breeding Station.*

Mr. M. T. THOMAS.

"Simple seeds mixtures containing pedigree and indigenous strains compared with ordinary commercial mixtures for permanent grass." *Welsh Journ. Agric.* VII. Jan., 1931.

Mr. GWILYM EVANS.

"Seed production of pedigree grasses in Montgomeryshire." *Welsh Journ. Agric.* VII. Jan., 1931.

MESSRS. GWILYM EVANS and R. A. CALDER.

"Manuring pedigree grasses for seed production." *Welsh Journ. Agric.* VII. Jan., 1931.

Mr. H. G. CHIPPINDALE.

"'Suction-force' measurements on the seeds of some strains of grasses." *Welsh Journ. Agric.* VII. Jan., 1931.

PROFESSOR T. W. FAGAN and Mr. W. E. J. MILTON.

"The chemical composition of eleven species and strains of grasses at different stages of maturity." *Welsh Journ. Agric.* VII. Jan., 1931.

MESSRS. D. W. DAVIES and E. T. JONES.

"Grey speck disease of oats." *Welsh Journ. Agric.* VII. Jan., 1931.



Messrs. M. A. H. TINCKER and MARTIN G. JONES.

"Yield Studies in oats. III. The inter-relationship of the parts of the oat plant during development." *Ann. App. Biol.* XVIII. February, 1931.

"The influence of climatic factors upon the growth of a spring sown variety 'Record.'" *Ann. App. Biol.* XVIII. May, 1931.

*Imperial Bureau of Plant Genetics: Herbage Plants.*

*Herbage Research Circular; Abstract Circular.* Issues ceased April, 1931.

Bulletin No. 3. "The Breeding of Herbage Plants: Technique adopted at the Welsh Plant Breeding Station." June, 1931.

*Herbage Abstracts.* Vol. I., No. 1. June, 1931.

Vol. I., No. 2. September, 1931.

*Agricultural Economics.*

PROFESSOR A. W. ASHBY.

"Agricultural Economics as Applied Economics." *Proceedings of the International Conference of Agric. Economists.* 1930. (Reprinted.)

"Allotments." Art. in *Encyclopaedia of Social Science*, New York.

"Does the Higher Farming Pay?" *Welsh Journal of Agriculture.* Vol. 7. 1931. (Reprinted.)

"Poultry on General Farms." Fourth World's Poultry Congress. 1930. Published by H.M. Stationery Office.

"Egg and Poultry Prices in Great Britain." Fourth World's Poultry Congress, 1930. Published by H.M. Stationery Office.

"Some Economic Factors in Poultry Husbandry." *Harper Adams Utility Poultry Journal.* Vol. 15/12. 1930. (Reprinted.)

"Marketing Livestock." In Report of Conference of Agricultural Organisers published by Ministry of Agriculture, 1930.

PROFESSOR A. W. ASHBY with Miss M. K. ASHBY.

"Rural Education." 36 pp. in Vol. 3 of *The Teachers Guide.* Blackie and Co., 1930.

PROFESSOR A. W. ASHBY with Mr. J. LLEFELYS DAVIES.

"Farming Efficiency and the Agricultural Depression." *Agricultural Economics Society*, 1929.

Mr. J. PRYSE HOWELL.

"Some Factors of Efficiency in Milk Production." *Welsh Journal of Agriculture.* Vol. 7. 1931. (Reprinted.)

Mr. J. MORGAN JONES.

"A Study of Farm Labour in Germany." *Jour. of Proc. Agricultural Economics Society*, 1929. (Reprinted.)

"Improvement in the Technique of Farm Processes in Germany." 30 pp. Mimeographed for private circulation and published by the Development Commission, London. 1930.

Mr. J. LLEFELYNS DAVIES.

"Seasonal Distribution of Labour on Welsh Farms." *Welsh Journal of Agriculture*. Vol. 7. 1931. (Reprinted.)

"Labour Aspects of Farm Layout in Wales." *Welsh Journal of Agriculture*. Vol. 7. 1931. (Reprinted.)

"Cost Accounts on a Cheese Farm." *Welsh Journal of Agriculture*. Vol. 7. 1931. (Reprinted.)

Mr. THOMAS LEWIS.

"Farmers' Control of Livestock Auctions in Wales." *Welsh Journal of Agriculture*. Vol. 7. 1931. (Reprinted.)

Mr. W. H. JONES.

"A Survey of the Agricultural and Economic Conditions of a Parish in Carmarthenshire." *Welsh Housing and Development Association Year Book*. 1930. (Reprinted.)

*Farm and Market*. Vol. 2. No. 1. Butter and Eggs.  
No. 2. Farm Income and Capital.  
No. 3. Sheep and Wool.

*Staff of the Department of Agricultural Economics (with the Welsh Agricultural Organisation Society).*

*Agricultural Business*. Vol. 1. No. 1.  
No. 2.  
No. 3.  
No. 4.

*Dairy Bacteriology.*

Mr. S. B. THOMAS.

"Seasonal Variation in the Bacterial Content and Keeping Quality of Milk." *Welsh Journ Agric.* Vol. VII.

Messrs. R. PHILLIPS and S. B. THOMAS.

"The Efficiency of the Milking Machine." *Welsh Journ. Agric.* Vol. VII.

Mr. S. B. THOMAS and Miss H. JONES.

"The Influence of the fat content on the Keeping Quality of Milk." *Welsh Journ. Agric.* Vol. VII.

Messrs. S. B. THOMAS and G. T. MORGAN.

"A Guide to the Conduct of Butter Competitions." *Welsh Journ. Agric.* Vol. VII.

"Some Factors influencing the Keeping Quality of Butter." *Welsh Journ. Agric.* Vol. VII.

# ANNUAL REPORT OF THE COUNCIL TO THE COURT.

## GENERAL.

The fifty-ninth Annual Report of the Council deals mainly with events in the College between 1st September, 1930, and 30th June, 1931.

The total number of students, including Short Course Students, who passed through the College during the past session was 776.

## STAFF.

The following appointments were made during the session:—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. R. B. Forrester, M.A., M.Com.	Professor.	Economics and Political Science.
Mr. H. P. Lewis, M.A. ..	Professor.	Geology.
Mr. Walter Fogg, M.A. ..	Assistant Lecturer.	Geography and Anthropology.
Mr. Arnold M. Duff, M.A., B. Litt.	,,	Classics.
Mr. J. Morris, B.Sc. ..	,,	Economics and Political Science.
Mr. Emlyn Stephens, M.Sc., Ph.D.	,,	Physics.
Mr. Vyrnwy J. Lewis, B.A., Ll.B.	,,	Law.
Mr. Ifan ab Owen Edwards, M.A.	,,	Education.
Miss R. M. Creed, M.A. ..	,,	Education.
Mr. D. Hughes Lewis, B.A.	Residential Tutor for Rural Areas.	Extra Mural Studies.
Mr. C. G. Dobbs, B.Sc. ..	Demonstrator.	Botany.
Mr. Dd. Gwynne Davies, B.Sc.	Part-time Assistant.	Chemistry.
Mr. Ludwig Schenk, Ph.D.	,,	German.
Mr. Victor Delemar ..	,,	French.

The undermentioned resignations took effect at the end of the session, namely:—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Professor W. J. Pugh, D.Sc.	Professor.	Geology.
Mr. John Hughes, M.A. ..	Lecturer.	Education.
Mr. F. H. Dowler, M.A. ..	Assistant Lecturer.	Classics.
Miss C. Braithwaite, B.Sc.	,,	Economics and Political Science.
Mr. G. M. Jones, B.Sc. ..	,,	Physics.
Mr. D. J. Llewelfryn Davies, B.A., Ll.B.	,,	Law.
Mr. C. Davies, B.A. ..	Part-time Assistant.	Geography and Anthropology.
Miss Mary G. Ashton, B.Sc.	,,	Botany.
Miss C. L. Shelley, B.A.	,,	German.
Mr. R. L. Devos .. ..	,,	French.

## GIFTS.

In addition to many gifts in kind to various Departments, the following donations and subscriptions were received during the year:—

<i>Donor.</i>	<i>Purpose.</i>	<i>Amount.</i>
Messrs. Imperial Chemical Industries, Ltd. ..	Plant Breeding Station for Wales ..	£300 0 0
Sir Ernest Debenham, Bart. ..	" ..	100 0 0
The Dinam Charity ..	" ..	100 0 0
D. Owen Evans, Esq. ..	" ..	100 0 0
The Earl of Lisburne ..	" ..	100 0 0
S. M. Bligh, Esq. ..	" ..	50 0 0
J. P. Morgan, Esq. ..	" ..	50 0 0
P. B. Grubb, Esq. ..	" ..	2 14 10
Col. E. H. Cole ..	" ..	2 0 0
L. Wyn Roberts, Esq. ..	" ..	1 8 0
Messrs. J. and W. Tait ..	" ..	1 1 0
Capt. McDougall ..	" ..	0 10 0
Trustees of the Cynddelw Welsh Scholarship	Cynddelw Welsh Scholarship:—	
	(£600 4% Consols) ..	£564 0 0
	(£200 5% War Stock, 1929-47) ..	204 0 0
	Cash .. ..	63 5 1
		831 5 1
Marshall Memorial Fund Committee .. ..	Marshall Memorial Exhibition .. ..	209 9 3
J. Davies-Bryan, Esq. ..	Robert Bryan Music Scholarship ..	25 0 0
The Pilgrim Trust ..	Students' Loan Fund ..	200 0 0
Sundry Persons ..	Visitors Scholarship ..	32 8 7
His Grace the Duke of Westminster, D.S.O. ..	General .. ..	12 10 0
Gladstone Memorial Trustees.	Gladstone Memorial Prize ..	10 0 0
Miss Gwendoline E. Davies	Remuneration of deputies during illness of Member of Staff ..	55 0 0
H. W. Griffith, Esq. ..	General .. ..	5 0 0
John Hughes, Esq. ..	Publicity .. ..	0 10 6

## SPECIAL LECTURES.

Public Lectures were delivered during the session by:—

<i>Lecturer.</i>	<i>Subject.</i>
Sir W. Henry Hadow, C.B.E., M.A., D. Mus., LL.D.	" The Nature and Limitations of Romantic Art " (Inaugural Lecture).
Sir Charles Holmes, A.R.W.S., M.A., F.S.A.	" Raphael."
Professor J. B. S. Haldane, M.A.	" A re-examination of Darwinism."
Professor C. K. Webster, M.A., Lit.D., F.B.A.	" Continents in Conflict."
Professor Edward Bensly, M.A.	" Father and Son in Switzerland."

## INTERCHANGE OF TEACHERS.

The following lectures were given during the session under the scheme for the interchange of teachers:—

<i>Department.</i>	<i>Lecturer.</i>	<i>Subject.</i>	<i>No. of Lectures.</i>
Chemistry and Physics.	Mr. P. M. Davidson, Ph.D., B.A. (Swansea).	" Band Spectra and Molecular Structure."	3

Welsh.	Prof. Henry Lewis, M.A. (Swansea).	" Rhai Agweddau ar Gystrawen y Cym- raeg."	5
Education.	Mr. E. R. Hamilton, M.A., B.Sc. (Bangor).	" The Theory of Ex- aminations and Mental Tests."	4

## SUMMER SCHOOLS.

The College buildings were utilised for Summer School purposes by the Educational Handwork Association and Geography. In addition the halls of residence were used as a holiday centre by the National Young Life Campaign.

## TRAVELLING SCHOLARSHIPS.

Grants were made to 63 present students of the College to enable them to visit many parts of Europe for purposes of study.

## COURSE OF INSTRUCTION IN LAW.

The Special Course for Articled Clerks at Rhyl was again conducted in co-operation with the authorities of the University College of North Wales, Bangor.

## DEPARTMENT OF AGRICULTURAL CHEMISTRY.

The status of Mr. T. W. Fagan has been raised from Independent Lecturer to that of Professor.

## ALLOCATION OF INCREASED TREASURY GRANT.

In consequence of the allocation by the University Council of a portion of the increased Treasury Grant for the purpose of improving the status and salaries of the Non-Professorial Staff, the College Council has adopted the following scheme for giving effect to this object:—

<i>Titles.</i>	<i>Establishment.</i>	<i>Salaries.</i>
Special Appointments.	To be determined from time to time.	Personal.
Senior Lecturers.	Not exceeding 4.	£500.
Lecturer (a)	} 31 of which not more than 17 shall be Lecturers and not more than 12 shall be in Lecturer (a).	£375, rising by bi-ennial increments of £25 to a maximum of £450.
Lecturer (b)		£375, rising after two years to £400.
Assistant Lecturer: (a) Permanent.		(a) £300, rising by bi-ennial increment of £25 to a maximum of £350.
(b) Probationary.		(b) Not less than £250 or more than £300.

The following constitute Special Appointments:—

<i>Status.</i>	<i>Present Salary.</i>
Master of Method and Lecturer in Education.	£450, rising by bi-ennial incre- ments of £25 to £500.
Mistress of Method and Lecturer in Education.	£450 do.
Lecturer in Modern History.	£500.
Special Lecturer in Geography.	£500.
Special Lecturer in Law.	£350 (jointly with North Wales Law School).

No member of the staff has so far been appointed Lecturer (b), but a number of Assistant Lecturers have been raised to the status of Lecturer.

The salaries of the three Independent Lecturers have been increased from £550 to £600 a year.

The Council have also allotted additional sums for improving the salary of the Librarian and the Library Staff, and sums for books and equipment.

The scheme of salaries makes provision for the creation of a "Salaries Fund," to which will be credited the additional grant allotted for improving the salaries of the non-professorial members of the teaching staff and to which will be added from time to time amounts saved in consequence of resignations. The amount standing to the credit of the Fund will be utilised for providing the increases under the scheme of increments and thereafter as the Council may determine, for making better financial provision for the teaching staff.

#### DEPARTMENT OF AGRICULTURE.

The Ministry of Agriculture and Fisheries have offered to make a capital grant on the £ for £ basis not exceeding £158 in aid of expenditure on structural alterations at the Agricultural Buildings.



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By E. A. LEWIS, M.A., D.Litt., Sir JOHN WILLIAMS, Professor of Welsh History, U.C.W., Aberystwyth. 1912. 8vo., pp. xviii, 320. Cloth 7s. 6d.

**TEXTS FROM WELSH MSS.**

**The Laws of Howel Dda, Llanstephan. MS.** 116; ed. by T. LEWIS, M.A., Reader in Celtic Palaeography in the U.C.W., Aberystwyth, 1912. Super Roy., 8vo. pp. xviii, 124. Buckram, 12s. 6d.; or printed on Jap. vellum (20 copies only), half-vellum, £2 2s. 0d.

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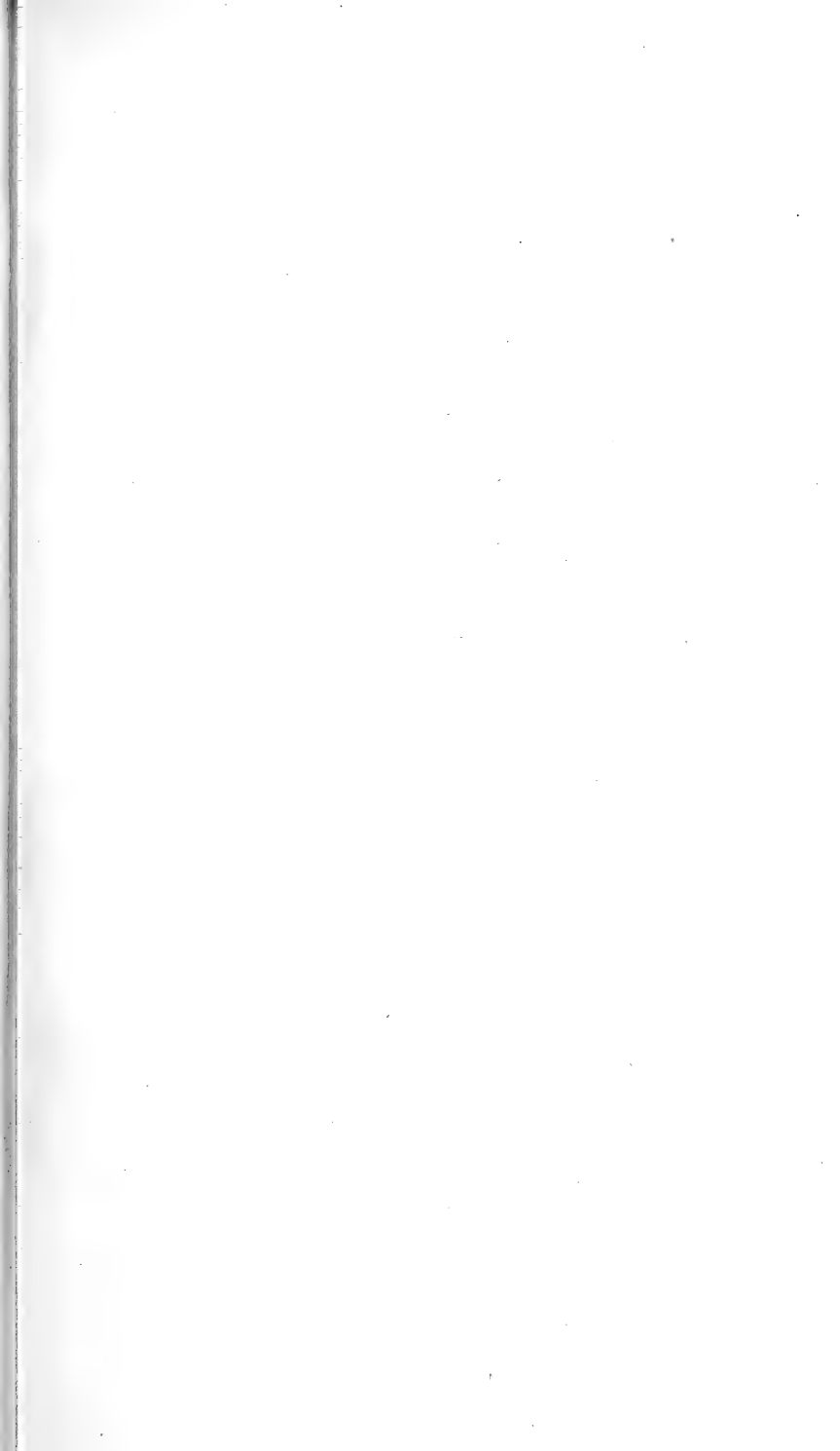


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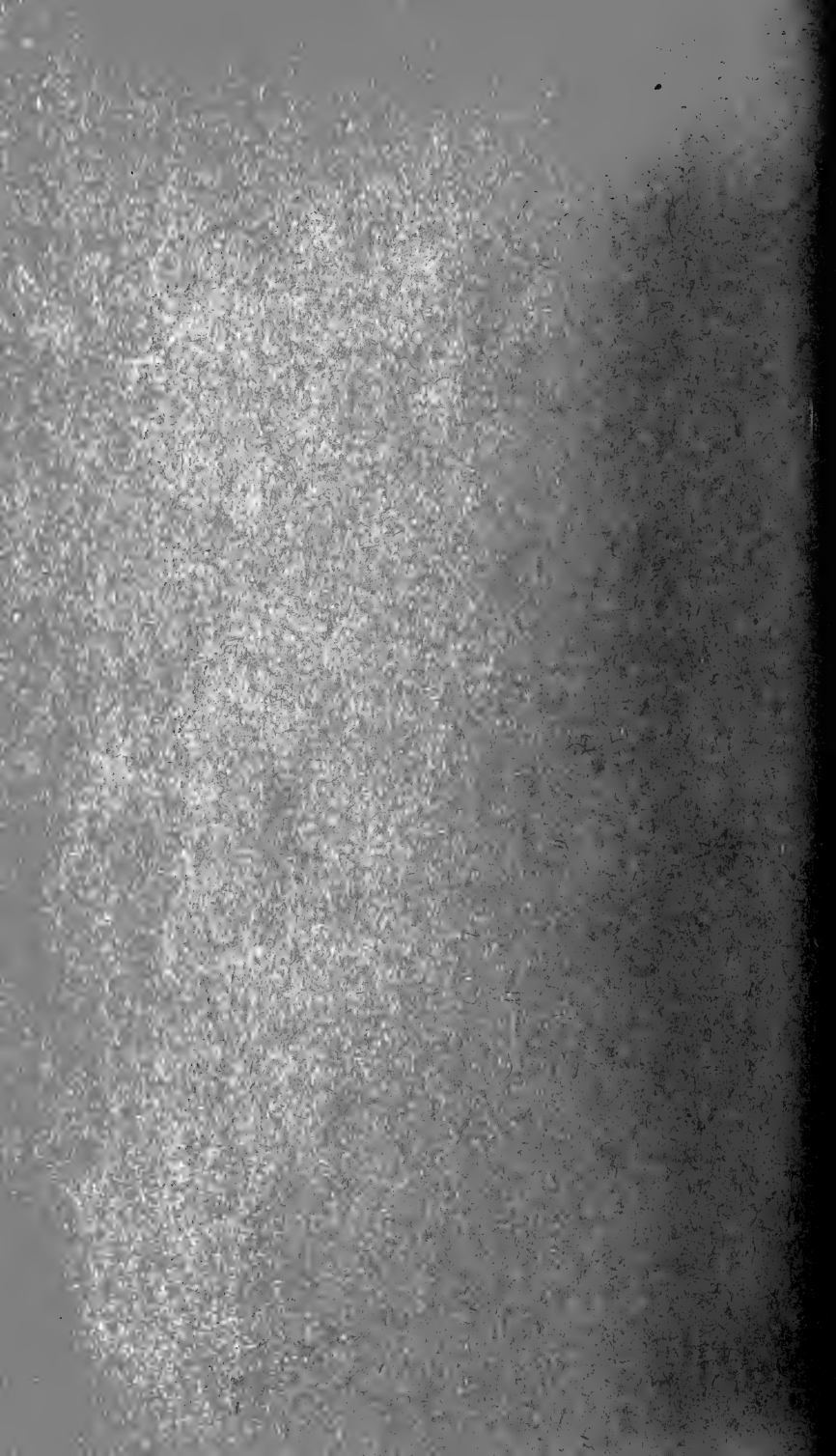
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## REPORTS

SUBMITTED TO THE

COURT OF GOVERNORS,

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# University College of Wales

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## REPORTS

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NOTE.—*These Reports are issued in lieu of the College Calendar for the Sixty-first Session, 1932-33.*



EXTRACT FROM THE LATE MR. W. E. GLADSTONE'S  
SPEECH AT NOTTINGHAM.

The *Times* of September 28th, 1877.

Let me point to another case with which I am personally acquainted, to show you that wherever primary education is loved, the higher education must be loved and taught also. I speak of the country of Wales, in which I have the happiness to spend a large portion of my time ; and there is no part of the population of the country—and I say it freely and boldly in your hearing—there are few parts which can compete with Wales, and there is no part which can exceed it, from one end of the island to the other, in the earnest, ardent, and, I may say, passionate love for instruction. They are a religious people, and a people deeply enamoured of knowledge, and what they have done has been done with very little assistance. With no assistance at all from any public fund of any kind, they have, within the last five or six years, founded a large and important College at Aberystwyth. Is it possible for you to have a stronger proof that the existence of a love for primary education does lead on, and must lead on, to every great effort for the establishment of higher education ?

## FORM OF BEQUEST.

I give and bequeath to the Treasurers, for the time being, of the University College of Wales, Aberystwyth, the sum of \_\_\_\_\_ (Free of Legacy Duty) for the purposes of the said College, out of such part only of my personal estate as may lawfully be bequeathed for charitable purposes, and preferable to all payments thereout; for which Legacy the receipt of the Treasurers, for the time being, of the said College shall be a sufficient discharge to my Executors.

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## FORM OF BEQUEST OF RESIDUE, OR SHARE OF RESIDUE.

I give and bequeath all (or if so intended one equal share of) the residue of such part of my personal estate as I may lawfully bequeath for charitable purposes unto the Treasurers, for the time being, of the University College of Wales, Aberystwyth, for the purposes of the said College, and I direct that the receipt of such Treasurers shall be a sufficient discharge for the same.

## COURT OF GOVERNORS.

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Lecturer: W. G. L. SUTTON, M.A., of Jesus College, Oxford.  
Assistant Lecturer: D. R. WILLIAMS, M.A. (Wales), Ph.D. (Strasbourg).
- Applied Mathematics...** { Professor: G. A. SCHOTT, B.A., of Trinity College, Cambridge, D.Sc. (Lond.), F.R.S.  
Lecturers: W. G. L. SUTTON, M.A., of Jesus College, Oxford; THOMAS LEWIS, M.Sc. (Wales).
- Law .....** { Professor: T. ARTHUR LEVI, M.A., B.C.L. of Lincoln College, Oxford, LL.B. (Lond.); and of the Inner Temple, Barrister-at-Law.  
Special Lecturers (under Solicitors' Act, 1922): J. VICTOR EVANS, M.A., of St. John's College, Oxford; and of the Inner Temple, Barrister-at-Law; R. A. WING, B.A., LL.B. of Trinity Hall, Cambridge.  
Assistant Lecturer: VYRNWY J. LEWIS, B.A., LL.B. (Wales), LL.B. (Lond.), and of the Inner Temple, Barrister-at-Law.
- Physics.....** { Professor: GWILYM OWEN, M.A. (Cantab.), M.Sc. (Manchester), D.Sc. (Liverpool).  
Professor (*Emeritus*): D. MORGAN LEWIS, M.A., of Trinity College, Cambridge.  
Lecturer: R. M. DAVIES, M.Sc. (Wales).  
Assistant Lecturers and Demonstrators: I. C. JONES, M.Sc. (Wales); EMLYN STEPHENS, M.Sc., Ph.D. (Wales).  
Technical Assistant: L. E. SULSTON, A.I.E.E.
- Chemistry .....** { Professor: T. CAMPBELL JAMES, M.A. (Cantab.), D.Sc. (Wales), F.I.C.  
Senior Lecturers: C. R. BURY, M.A., B.Sc., of Trinity College, Oxford; L. J. HUDLESTON, M.C., B.Sc. (Lond.).  
Assistant Lecturer and Demonstrator: D. MATTHEW WILLIAMS, B.Sc., Ph.D. (Wales).  
Part-time Assistant: D. GWYNNE DAVIES, B.Sc., Ph.D. (Wales).
- Zoology  
(including Agricultural Zoology) ....** { Professor: R. DOUGLAS LAURIE, M.A., of Merton College, Oxford.  
Lecturer: E. E. WATKIN, B.Sc., Ph.D. (Wales).  
Assistant Lecturer and Demonstrator: Miss F. G. REES, B.Sc., Ph.D. (Wales).  
Special Lecturer in Entomology: J. R. W. JENKINS, M.Sc. (Wales).  
Hon. Lecturer in Oceanography: J. TRAVIS JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Superintendent of the Lancashire and Western Sea Fisheries.
- Geography and  
Anthropology ....** { Professor: C. DARYLL FORDE, B.A., Ph.D. (Lond.).  
Special Lecturer in Geography: W. E. WHITEHOUSE, M.Sc. (Wales), late Gilchrist Student in Geography.  
Assistant Lecturers and Demonstrators: E. G. BOWEN, M.A. (Wales); WALTER FOGG, M.A. (Manchester).  
Hon. Lecturer in Oceanography: J. TRAVIS JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Superintendent of the Lancashire and Western Sea Fisheries.

- Botany** ..... { Professor: Mrs. L. NEWTON, M.Sc., Ph.D. (Bristol).  
Lecturer and Demonstrator: E. H. CHATER, B.Sc. (Lond.).  
Assistant Lecturer and Demonstrator: P. W. CARTER, M.Sc. (Wales).  
Demonstrator: Miss MADELINE HUBBARD, B.Sc. (Lond.).
- Geology** ..... { Professor: H. P. LEWIS, M.A. (Cantab.).  
Lecturers: J. CHALLINOR, M.A., of Trinity College, Cambridge; J. I. PLATT, M.Sc. (Manchester).
- Agriculture** ..... { Professor: J. JONES GRIFFITH, B.Sc. (Wales).  
Lecturer: RICHARD PHILLIPS, M.Sc. (Wales), A.I.C.
- Agricultural Chemistry** ..... { Professor: T. W. FAGAN, M.A. (Cantab.), F.I.C.  
Lecturer: R. O. DAVIES, M.Sc. (Wales).
- Agricultural Economics** ..... { Professor: A. W. ASHBY, Hon. M.A. (Oxon).
- Agricultural Botany** .. { Professor: R. G. STAPLEDON, C.B.E., M.A. of Emmanuel College, Cambridge.  
Lecturer: Miss K. SAMPSON, M.Sc. (Lond.).  
Assistant Lecturer: Miss ANNIE A. POULTER, B.Sc. (Reading).
- Advisory Chemist** .. Professor T. W. FAGAN, M.A. (Cantab.), F.I.C.
- Advisory Economics** .. { Adviser: Professor A. W. ASHBY, Hon. M.A. (Oxon).  
*Farm Management and Accounting.*  
Assistant Adviser: J. PRYSE HOWELL, M.Sc. (Wales).  
Technical Assistant: W. H. JONES, B.Sc. (Wales).  
*Marketing.*  
Marketing Assistants: J. LLEFELYS DAVIES, M.Sc. (Wales.); J. GLYNNE WILLIAMS, B.Sc. (Wales.), M.S. (Wisconsin).
- Adviser in Agricultural Zoology** } J. R. W. JENKINS, M.Sc. (Wales).
- Advisory Mycologist** .. D. W. DAVIES, B.Sc. (Wales).
- Advisory Dairy Bacteriologist** ..... } S. B. THOMAS, M.Sc. (Wales).
- Director of College Farm** ..... } Professor J. JONES GRIFFITH, B.Sc. (Wales).
- Agricultural Book-keeping.** ..... } Instructor: E. B. HICKS, A.S.A.A.
- Dairying** ..... { Instructor: G. T. MORGAN, N.D.A., N.D.D.  
Assistant Instructress: Miss CATHERINE JONES, N.D.D.
- Veterinary Hygiene** .. Instructor: A. PARRY, M.R.C.V.S..
- Land Surveying, Agricultural Drawing and Building Construction** ..... } Instructor: G. T. BASSETT, A.R.I.B.A.
- Agricultural Engineering** ..... } Instructor: R. PHILLIPS, M.Sc. (Wales), A.I.C.



**Welsh Plant Breeding Station**

Director: Professor R. G. STAPLEDON, C.B.E., M.A. (Cantab).  
 Research Workers in charge of Investigations: T. J. JENKIN, M.Sc. (Wales); R. D. WILLIAMS, M.Sc. (Wales); E. T. JONES, M.Sc. (Wales); WILLIAM DAVIES, M.Sc. (Wales); GWILYM EVANS, B.Sc. (Wales); LL. IORWERTH JONES, B.Sc. (Wales).  
 Plant Physiologist: H. G. CHIPPINDALE, M.Sc. (Manch.).  
 Grassland Adviser: M. T. THOMAS, B.Sc. (Wales).  
 Assistants: A. R. BEDDOWS, M.Sc. (Wales); W. E. J. MILTON, N.D.A.; R. A. SILOW, B.Sc. (Reading), M.Sc. (Wales); T. E. JONES, N.D.A.  
 Translator: Miss RHODA JONES, B.A. (Wales).  
 Superintendent of Farm and Gardens: J. W. WATKINS.

**County Organisers of Agricultural Education**

*Breconshire and Radnorshire*: DAVID THOMAS, Dip. Agri., U.C.W.  
 Assistant: WILLIAM EVANS, B.Sc. (Wales), N.D.D.  
*Cardiganshire*: D. J. MORGAN, B.Sc. (Wales).  
*Carmarthenshire*: Principal J. LEWIS LLOYD, M.Sc. (Wales); Vice-Principal A. D. THOMAS, B.Sc. (Wales), of the Pibwrlwyd Farm Institute.  
*Merionethshire*: MOSES GRIFFITH, M.Sc. (Wales), Assistant: E. E. WILLIAMS, B.Sc. (Wales).  
*Montgomeryshire*: J. L. JOHN, B.Sc. (Wales).  
*Pembrokeshire*: W. E. D. JONES, M.A. (Cantab).

**Art.....**

Lecturer in Art and Crafts: DAN R. JONES, M.A. (Wales), A.R.C.A., A.M.C.

**Physical Training ...**

Instructors: Major H. F. STIMSON, Diploma of Sheffield Physical Training College; MISS B. G. ARNOLD, Diploma of Bedford Physical Training College.

**Department of Extra-Mural Studies.**

Director: The Rev. HERBERT MORGAN, M.A. (Oxon.), B.A. (Wales).  
 Staff Tutor: T. HUGHES GRIFFITHS, M.A. (Wales).  
 Residential Tutor for Rural Areas: D. HUGHES LEWIS, B.A. (Wales).  
 Part-time Tutors: E. G. BOWEN, M.A. (Wales); J. LLEFELYS DAVIES, M.Sc. (Wales); DAN DAVIES, M.A. (Wales), Ph.D. (Glas.); R. M. DAVIES, M.Sc. (Wales); The Rev. T. EIRUG DAVIES, M.A., B.D. (Wales); J. EDWARDS, M.A. (Wales); The Rev. D. J. EVANS, B.A., B.D. (Wales); T. R. HUGHES, M.A. (Wales), B.Litt. (Oxon.); A. HAYDN JONES, M.Mus. (Wales); The Rev. D. JAMES JONES, M.A. (Wales); The Rev. FRED JONES, B.A., B.D. (Wales); Dr. GWENAN JONES, M.A. (Wales); J. ISLWYN JONES, B.Sc. (Wales); The Rev. O. H. JONES, M.A. (Oxon.), B.D. (Wales); T. HUGHES JONES, M.A. (Wales); Professor W. JENKYN JONES, M.A. (Cantab.); THOMAS LEWIS, B.Sc. (Wales), M.S. (Wis.); The Rev. WALDO LEWIS, B.A. (Wales); The Rev. J. DYFNALLT OWEN, M.A. (Wales); J. T. OWEN, M.A. (Wales); R. RICHARDS, B.A. (Cantab.); T. GLANVILLE WILLIAMS, M.Sc. (Wales); Professor W. R. WILLIAMS, B.A. (Wales), M.A. (Oxon.); Miss L. WINSTANLEY, M.A. (Vict.).

**ADMINISTRATION.**

Chairman of the Faculty of Arts : Professor J. W. H. ATKINS, M.A.  
(Cantab. and Lond.).

Chairman of the Faculty of Science : V. C. MORTON, M.A. (Oxon.).

**SECRETARY'S DEPARTMENT.**

Secretary	E. B. Hicks, A.S.A.A.
Cashier and Chief Clerk	R. Jones.
Confidential Clerk	W. Lewis.
Clerk	E. Hamer.
Clerk	Ll. T. Jones.
Clerk	Ll. Roberts.
Clerk	H. Oliver.
Office Boys	D. H. Jenkins. J. W. Hughes.

**ACADEMIC SECRETARY'S DEPARTMENT.**

Academic Secretary	G. J. Walker.
Academic Clerk	Miss M. M. Evans, B.A (Wales).
Clerk	J. C. Davies.

**AGRICULTURAL DEPARTMENT.**

Clerk	A. Pugh.
Clerk	S. Jenkins.
Office Boys	D. R. Evans. Norman Humphreys.

**AGRICULTURAL ECONOMICS DEPARTMENT.**

Clerk	G. O. Williams.
Clerk	D. B. Garner.
Statistical Assistant	Miss D. Davies.
Clerk	Brinley Jones.

**WELSH PLANT BREEDING STATION.**

Secretary	J. O. Parry-Williams.
Recorder	Miss Irene D. Rees.
Clerk	Miss Enid M. Jones.

**INTERNATIONAL POLITICS DEPARTMENT.**

Clerk	Miss J. E. Morris.
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**GEOGRAPHY DEPARTMENT.**

Clerical Assistant	Miss Hilda Edwards.
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**ECONOMICS DEPARTMENT.**

Clerical Assistant	Miss C. G. Hughes.
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**College Library.**

College Librarian	Arthur ap Gwynn, M.A. (Wales).
Sub-Librarian	Miss E. C. Felstead, F.L.A.
Library Assistant	Miss E. M. Harris.
Assistant	Miss N. Meredith.

**Wardens of the Halls of Residence for Women Students.**

Senior Warden and Warden of Alexandra Hall .....	Mrs. K. GUTHKELCH, B.A. (Lond.).
Warden of Carpenter Hall	Miss C. J. MACGREGOR.
Warden of Plynllymon Hall .....	Mrs. E. C. HART.

# REPORT.

1931—1932.

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The Council have much pleasure in presenting the Report of the work of the College in its several Departments during the year ending 30th June, 1932, and, as usual, begin with :—

## THE PRINCIPAL'S REPORT.

It is my duty, in the first place, to follow the practice of former years by presenting to the Council the following tabulated statements :—

### I.

1. Number of students at opening of session, Michaelmas Term, 1932 .. .. .	834
2. Number of students at the beginning of Michaelmas Term, 1931 .. .. .	764
3. Number of new students at the beginning of Michaelmas Term, 1932 (164 men; 59 women) .. ..	223
4. Number of new students at the beginning of Michaelmas Term, 1931 (143 men, 79 women) .. .. .	222
5. Number of women students at the beginning of Session 1932-1933 .. .. .	268
6. Number of women students at the beginning of Session 1931-1932 .. .. .	275

II. Number of Students from the various Counties in Wales and from Monmouthshire :—

#### (1) NORTH WALES :—

	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932
Anglesey .. ..	1	2	2	1	1	2
Caernarvonshire	16	18	19	22	18	24
Denbighshire ..	22	22	28	33	31	32
Flintshire .. ..	6	7	9	8	6	12
Merionethshire	34	29	30	27	25	28
Montgomeryshire	29	39	28	33	35	42
	—108	—117	—116	—124	—116	—140

## (2) SOUTH WALES AND MONMOUTHSHIRE :—

	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932
Breconshire ..	13	11	12	13	20	23
Cardiganshire ..	114	119	116	109	119	123
Carmarthenshire	88	89	91	108	116	132
Glamorganshire ..	193	201	225	221	237	248
Pembrokeshire	39	37	34	30	30	40
Radnorshire ..	9	4	5	3	5	3
Monmouthshire ..	47	51	55	61	76	77
	—503	—512	—538	—545	—603	—646

## (3) ADD TO THESE :—

	Session 1927	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932
From England, including Welsh and English students ..	63	50	54	50	34	37
From Scotland ..	1	1	—	—	—	—
„ Ireland ..	2	—	—	—	—	—
„ India ..	4	6	13	14	9	10
„ Burma ..	—	—	—	—	2	1
„ Canada ..	—	—	1	1	—	—
„ Spain ..	1	—	—	—	—	—
„ Hungary ..	1	1	—	—	—	—
„ New Zealand	1	—	—	1	—	—
„ U.S.A. ..	—	1	—	—	—	—
„ Germany ..	—	—	1	—	—	—
	—73	—59	—69	—66	45	48
	684	688	723	735	764	834
Students taking Short Course in Agriculture	10	21	18	12	14	10
	694	709	741	747	778	844

## III. Summary of the number of students in the various classes for Session 1932-33 :—

Greek, 37. Latin, 92. English, 183. History and Colonial History, 177. Welsh History, 12. Economics, 140. Welsh, 99. Welsh Literature, 12. French 126. German, 130. Philosophy, 82. Education, 14. Pure Mathematics, 87. Applied Mathematics, 38. Chemistry, 67. Physics, 67. Botany, 75. Zoology, 68. Geology, 118. Geography, 123. Agriculture, 40. Agricultural Chemistry, 25. Agricultural Botany, 37. Agricultural Economics, 24. Law, 55. Music, 101. Dairying, 9. Agricultural Short Course, 10. International Politics, 5. Art and Handicraft (Training Students, 131), 7.

IV. The number of Students taking complete University Courses is : 660 (First Degree 598, Post Graduate 62).

A. Grants out of the Travelling Scholarship Fund were made to the following :—

		£
<i>Latin</i> :—	Kathleen Mary Hall .. .. .	18
	Gwilym Osmund Williams .. .. .	15
	Nelian Rees .. .. .	18
	David Alun Thomas .. .. .	15
<i>English</i> :	Ceinwen Mary Jones .. .. .	10
<i>Welsh</i> :	Hilda May Mason .. .. .	9
	William Owen Davies .. .. .	9
	Margaret Gwennant Davies .. .. .	9
	John Haydn Beynon .. .. .	9
<i>Welsh Literature</i> :—	John Idris Evans .. .. .	9
<i>French</i> :—	Phyllis Edith Mary Evans .. .. .	12
	William Haydn Jordan .. .. .	12
	Garnet Rees .. .. .	12
	Maelgwyn Rees Thomas .. .. .	12
	George Lewis .. .. .	12
	William John Williams .. .. .	12
<i>German</i> :—	Tom Pugh Williams .. .. .	12
<i>History</i> :—	Frank Robert Lewis .. .. .	10
	John Morgan Davies .. .. .	10
	Anelyf Wyn Rees .. .. .	15
	Arthur James Roderick .. .. .	10
	Ivor John Sanders .. .. .	15
<i>Economics</i> :—	Thomas Maelgwyn Davies .. .. .	20
	Annie Dorothy Williams .. .. .	12
	Menna Jones .. .. .	10
<i>Law</i> :—	William Haydn Hicks .. .. .	10
<i>Geography</i> :—	Leonard Cyril Edmund George .. .. .	10
	Maria Beryl Thomas .. .. .	10
	Glynden Ewart Carter .. .. .	10
	Daniel Dilwyn Davies .. .. .	12
	Evan John Hopkins .. .. .	9
	Sydney Geoffrey Jarvis .. .. .	10
	Alwyn David Rees .. .. .	10
	Joyce Elizabeth Alice Richards .. .. .	12
<i>Mathematics</i> :—	Doreen May Beresford .. .. .	10
<i>Physics</i> :	Isaac Davies .. .. .	10
<i>Chemistry</i> :—	Evan Richard Hywel Davies .. .. .	10
	David Thomas Lewis .. .. .	10
<i>Botany</i> :	John Cyril Ladd .. .. .	10
<i>Agriculture and Botany with Agri. Botany</i> :	Din Dayal Gupta .. .. .	10
<i>Agriculture and Economics with Agri. Economics.</i>	Balakrishna Menon Mulloth. .. .. .	10
	Joseph Henry Smith. .. .. .	10

## B. College Scholarships and Exhibitions were renewed to the following :

*First Year, renewable for a Second Year.*

Trevor Lewis				
David Davies Scholarship	..	..	..	£40
David George Pryce				
Commercial Travellers Scholarship	..	..	..	£20
Margaret Gwyneth Dilys Jones,				
Pritchard Scholarship	..	..	..	£17
Gwyneth Hilda Presley,				
Brereton Scholarship	..	..	..	£10
Raymond Kenneth James Grant,				
Price Davies Scholarship	..	..	..	£25
Dilys Myfanwy Lewis,				
Sir Alfred Jones Scholarship	..	..	..	£20
David George Stevens,				
Sir Alfred Jones Scholarship	..	..	..	£20
John Vernon Davies,				
Caterham Scholarship.	..	..	..	£25
Emrys Mervyn Jones,				
Elizabeth Davies Scholarship	..	..	..	£20
Thomas Idwal Davies				
R. H. Richards Scholarship	..	..	..	£20
John Beddoes				
Humphreys Owen Scholarship	..	..	..	£18
Angus John Brockhurst Higgins				
Joseph Thomas Scholarship	..	..	..	£17
Eira Mary Lloyd,				
Perrott Scholarship	..	..	..	£10
Annie Avarinah Jones				
Cranogwen Scholarship	..	..	..	£25

*Second Year, renewable for a Third Year.*

Garnet Rees				
Price Davies Scholarship	..	..	..	£25
Mansel Morris Davies,				
Dr. David Thomas Scholarship	..	..	..	£25
Cyril Charles Jones,				
Caterham Scholarship (Conditional)	..	..	..	£25
Benjamin Royston Jones				
Commercial Travellers Scholarship	..	..	..	£20
Ivor John Sanders,				
Pritchard Scholarship	..	..	..	£17
Ronald Hayes Hilborne,				
Sir Alfred Jones Scholarship	..	..	..	£20
Arthur James Roderick,				
Sir Alfred Jones Scholarship	..	..	..	£20
Ewan Perrins Wallis-Jones,				
Joseph Thomas	..	..	..	£17
David Ifor Jenkins				
R. H. Richards Scholarship	..	..	..	£20
Leslie Owen Williams,				
Lewis Thomas Scholarship	..	..	..	£35

*Third Year, renewable for a Fourth Year.*

John Robert Jones				
Mrs. Clarke Scholarship	..	..	..	£45

[C. The following Exhibitions and Scholarships have been awarded for Session 1932-1933 on the results of the Entrance Scholarship Examination held in April last :—

*Open Scholarships.*

*David Davies Scholarship* (£40) :

John Arthur Jones, Ardwyn County School, Aberystwyth.

*Keeling Scholarship* (£25) :

Ronald King, Amman Valley County School,

*Price Davies Scholarships* (£25 each) :

John Hrothgar Habakkuk, County School for Boys, Barry,  
David Lyndhurst Jenkins, The Grammar School, Cowbridge.

*Commercial Travellers Scholarship* (£20) :

Alun Davies, Amman Valley County School.

*Pritchard Scholarship* (£17) :

Jessie Elizabeth Mary Edwards, Tasker's High School for  
Girls, Haverfordwest.

*Mold Eisteddfod Scholarship* (£17) :

Alun Lewis, The Grammar School, Cowbridge.

*Brereton Scholarship* (£10) :

Morfudd Morris, County School, Ystradgynlais.

*Visitors Scholarship* (£25) (for one Session) :

Frank Lewis Templeman, Cyfarthfa Castle Secondary School,  
Merthyr Tydfil.

*Closed Scholarships.*

*Sir Alfred Jones Scholarship* (£20) (Candidates resident in Wales) :

Ethel Williams, Secondary School for Girls, Ruabon.

*Sir Alfred Jones Scholarship* (£20) (Candidates resident in Borough  
of Carmarthen) :

Ronald Stanley Short, Queen Elizabeth Grammar School,  
Carmarthen.

*Elizabeth Davies (Brynteifi) Scholarship* (£20) :

Annie Elizabeth Rees, County School, Builth Wells.

*David Morgan Thomas of Caterham Memorial Scholarship* (£25) :

John Arthur Rogers, County School, Cardigan.

*R. H. Richards Scholarship* (£20) :

Benjamin George Jones, County School, Aberayron.

*Joseph Thomas Scholarship* (£17) :

Oswald Beynon, Nantwich and Acton Grammar School.

*Ellis Eyton Scholarship* (£10) :

Cyril Raymond Williams, County School, Rhyl.

*Edward Jones Scholarship* (£20) (for one Session) :

Howell Watkins, Ardwyn School, Aberystwyth.

D.—University Studentships and College Research Scholarship awards.

*University Fellowships and Studentships.*

*University Fellowships.*

Bertie George Charles, M.A.

Hywel Oliver Jenkins, Ph.D.

*University Studentships.*

Thomas Jones.

Colin Eric Easthope.

Frank Robert Lewis.

David Thomas Davies.

*College Research Scholarships, Studentships, Exhibitions and Prizes.**Sir Garrod Thomas Fellowship.*

- Emrys Gwynne James. Fellowship of £150.  
 Jack Fuller Ratcliffe. Grant of £60.  
 Stanley Charles Townshend. Grant of £60.  
 David Stephen Goronwy Lewis. Grant of £30.

*Thomas Davies Scholarship (£70).*

Raymond Redd.

*Keeling Scholarship (£50).*

Herbert Noel Jerman.

*John Francis Scholarships (£40 each).*

Graham Hopper.

Megan Pryce Evans.

*Thomas Stephens Scholarship (£25).*

Robert Arnold Smith.

*Cynddelw Scholarship £30 :*

Thomas Samuel Davies.

*Sir John Williams Fellowship.*

- William David Williams (£100). Third Year.  
 Benjamin George Owen (£100). Second Year.  
 John James Glanmor Davies (£100). Second Year.  
 Dewi Machreth Ellis (£100). First Year.  
 Maldwyn Jones (£100). First Year.

*Tom Jones Medical Scholarship (£25).*

Percy Jenkins.

*Marshall Memorial Exhibition.*

Angus John Brockhurst Higgins.

*Robert Bryan Music Scholarship (£50).*

Haydn Lewis (4th Year).

*Mrs. Frances Williams Art Exhibition (£14).*

Betty Winfield Atkins.



## DEGREE EXAMINATIONS—JUNE, 1932.

I.—Intermediate. F.T.—Further Test. S.—Subsidiary. F.—Final.  
H. I.—1st year Honours. H.—Honours.

The students whose names are printed in italics have completed their examinations for graduation.

## ARTS.

Adams, William Stephen	S. French, F. Economics, F. Geography.
Arnold, William	I. History, S. Economics, S. Philosophy.
Astley, Margaret Rosina May	I. English, I. French.
Barfield, Hilda Ellen	S. French, F. English.
Beddoes, John	I. Latin, S. Economics, S. French, S. Geography.
Beynon, John Haydn	S. Economics, F. Welsh, F. History.
<i>Billingham, Louisa Maud</i>	H. Latin, I.
Bowditch, Linda Eliza	I. German, I. Geology, S. English, S. Geography.
Brazell, Morfudd	I. History, S. Welsh.
Bridge, Alfred George	I. History, S. Economics.
<i>Broadbent, Cicely Mary Edith Emily</i>	S. German, F. English.
Cahill, Margaret Mary	I. Latin, S. English, S. French, S. History.
Collard, Eileen Louise	S. English, S. French, S. History.
<i>Counsell, Edward</i>	F. Economics, F. Geography.
Daniel, Isaac Thomas	S. Education.
Davies, Annie (Tregaron)	F. History, F. Latin.
Davies, Arthur Lewis	I. English, I. History, I. Geology.
Davies, Bryn Gwynedd	S. History.
Davies, Catherine Cordelia	S. Education, F. English.
Davies, Daniel Dilwyn	S. History, F. Economics, F. Geography.
Davies, David Jones	I. History, S. Welsh, S. Philosophy, S. Jurisprudence.
<i>Davies, Edith Magdalen Elizabeth</i>	F. English, F. Economics, F. History,
<i>Davies, Edwin John</i>	H. Economics, II. (1).
<i>Davies, Eluned Megan</i>	H. French, II (2), and Oral Certificate.
Davies, Ethel Mary	I. Latin, S. English, S. Welsh, S. French.
Davies, Gilbert	I. Geology, S. English, S. Economics, S. Geography.
Davies, Griffith George	I. History, S. English, S. French, S. German.
Davies, Gwenllian Mary, B.A.	H. Economics, II. (2).
<i>Davies, Howell</i>	H. Geography, II. (2).
Davies, John	I. English, I. Welsh, I. History, I. Geology.
Davies, John Evan	I. History, S. Economics, S. Welsh, S. Philosophy.
Davies, John Morgan	F. Economics, F. History.
Davies, John Richard	I. Philosophy, I. Music.
Davies, John Vyrnwy, B.A.	H. History, II. (1).
Davies, Margaret	S. Education, S. English, F. Welsh.
Davies, Marion Jane	S. Philosophy, F. German.
<i>Davies, Nani Eirlys</i>	H. English, III.
Davies, Rhys Penri	I. German, I. Geology, S. Welsh, S. Geography.
Davies, Thomas Maelgwyn	S. History, S. Welsh, F. Economics.
Davies, Thomas Samuel	F. Philosophy, F. Welsh.

- Davies, Trevor John Harverd*  
*Davies, William Eustace*  
 Davies, William Evan  
 Davies, William Owen  
 Downes, Mary Edwina  
  
*Dummer, Glyn*  
 Edwards, Harold  
  
 Edwards, William Ritchie  
 Ellis, Gweno Mererid  
  
 England, Ruth Louise  
  
 Evans, Avarina Mary  
  
 Evans, Catherine Mary  
  
 Evans, Charles  
 Evans, Daisy Ann  
*Evans, David Eifion*  
 Evans, Dilys Margaret  
  
*Evans, Eirwen Jane Mainwaring*  
 Evans, Elwyn  
  
 Evans, Evan Emrys  
  
*Evans, Harold Meurig*  
 Evans, Hugh John  
  
*Evans, Leslie Wynne*  
*Evans, Mair Ellen*  
*Evans, Margaret Gwendolen Picton*  
*Evans, Megan Pryce*  
 Evans, Nancy Gwenhwyfar  
  
 Evans, Nathaniel  
 Evans, Penderel James  
 Evans, Phyllis Edith Mary  
*Evans, Robert*  
*Evans, William Alcwyn*  
 Evans, William John  
  
*Fleming, Margaret*  
 Gauge, Hugh Clifford  
*George, Leonard Cyril Edmund*  
*Gibbon, Marjorie Edith*  
 Giles, Ursula Fisher  
  
 Gilford, Maurice  
  
 Gower, Beatrice Agnes  
  
 Grant, Raymond Kenneth James  
*Gravell, Grace Georgiana*  
  
 Green, David John  
 Green, Ivor Charles
- H. English, II. (1).  
 H. French, II. (1) and Oral Certificate.  
 S. Welsh, S. Philosophy.  
 S. Economics, F. History, F. Welsh.  
 I. Latin, I. French, S. Economics,  
 S. English.  
 I. Latin, F. Economics, F. English.  
 I. History, I. and F.T. Philosophy,  
 I. Welsh, S. Economics.  
 S. Philosophy, S. Welsh.  
 I. English, I. Geology, I. Music,  
 S. German.  
 I. French, S. English, S. History,  
 S. Geography.  
 I. Latin, I. German, S. English,  
 S. Welsh.  
 I. German, I. Geology, S. English,  
 S. Geography.  
 S. German, S. Welsh.  
 S. Education, H. I. English, F. Welsh.  
 S. German, F. History, F. Welsh.  
 I. English, I. French, I. History,  
 I. Philosophy.  
 H. English, II. (1).  
 Prelim. Latin, S. English, S. Welsh,  
 S. Economics.  
 Elem. Greek, I. Welsh, I. German,  
 I. Philosophy.  
 H. Welsh, I.  
 F. Economics, F. History, F. Welsh  
 Literature.  
 H. Geography, II. (2.)  
 F. English.  
 H. English, II. (1).  
 H. Philosophy, I.  
 Prelim. Latin, S. Economics, S. History,  
 S. Geography.  
 I. Philosophy.  
 I. Philosophy, F. Economics, F. German.  
 S. German, F. English.  
 H. Economics, II. (2.)  
 H. Geography, III.  
 I. German, S. Economics, S. Geography,  
 S. History.  
 F. Economics, F. Welsh.  
 I. English, S. History.  
 H. Geography, II. (2).  
 H. English, II. (1).  
 I. German, S. English, S. French,  
 S. Latin.  
 I. French, I. Geology, S. Economics,  
 S. Geography.  
 I. German, I. Latin, S. French,  
 S. History.  
 S. English, S. History, S. Latin.  
 I. History, S. Education, S. Latin,  
 F. English.  
 I. English, I. Welsh, I. Music.  
 I. English, S. French, S. History,  
 S. Latin.



- John, James Emrys  
*Jones, Alwen Irvona*  
 Jones, Alwina Mair  
*Jones, Anne Mary*  
 Jones, Annie Avarinah  
  
 Jones, Arthur Cyril  
 Jones, Beryl Constance  
*Jones, Catherine Jane*  
 Jones, Cecilia Phoebe  
 Jones, Ceinwen Mary  
 Jones, Constance Florence Ashley  
 Jones, David Caradog  
 Jones, David Ellis  
 Jones, David Morgan Price  
  
 Jones, David Oswald  
*Jones, Edgar Hiraethlyn*  
*Jones, Edith May*  
*Jones, Edward Haydn*  
*Jones, Edward Wynn*  
 Jones, Eleanor Blodwen Irene  
*Jones, Elizabeth*  
 Jones, Elizabeth Vera Marie  
 Jones, Eluned Margaret, B.A.  
 Jones, Emrys Mervyn  
  
 Jones, Enid Morfydd Prys  
  
 Jones, Evan Emrys  
 Jones, Evan Lewis  
  
 Jones, Ewart Lyn  
 Jones, George  
  
 Jones, Gladys Elizabeth  
 Jones, Glenys Hannah  
*Jones, Gwenllian Clara*  
 Jones, Hannah Enid  
 Jones, Harold  
*Jones, Haydn*  
*Jones, Helena*  
*Jones, Herbert Cecil Moss*  
*Jones, Hugh Vaughan Morris*  
 Jones, Ivor  
*Jones, John Arthur*  
*Jones, John David*  
 Jones, John Gwilym  
  
*Jones, John Haydn*  
 Jones, John Robert  
 Jones, Joseph Benjamin  
  
*Jones, Maldwyn*  
 Jones, Margaret Eirwen, B.A.  
 Jones, Margaret Gwyneth Dilys  
 Jones, Margaret Julia Mary  
  
*Jones, Mary Annetta*  
*Jones, Mary Eirwen*
- I. Welsh, I. English, I. History  
 S. Economics.  
 H. History, II. (1).  
 I. English, I. Philosophy, I. Welsh.  
 H. English, I.  
 I. Latin, I. German, S. English,  
 S. Welsh.  
 S. Latin, S. English.  
 S. History.  
 F. Economics.  
 I. English.  
 S. German, H. I. English, F. Latin.  
 S. French, F. Philosophy.  
 F. Economics, F. Philosophy.  
 F. Philosophy.  
 I. Latin, I. English, I. French,  
 I. Geology.  
 Elem. Greek, I. Philosophy.  
 F. German, and Oral Certificate.  
 H. English, II. (1).  
 I. German, F. History, F. Philosophy.  
 H. Economics, II. (1).  
 F. Latin, H. I. English.  
 H. Welsh, II. (1).  
 F. Latin.  
 H. Pure Mathematics, III.  
 Prelim. Latin, S. English,  
 S. Economics, S. History.  
 F. Economics, F. History,  
 H. I. English.  
 I. Greek, I. Welsh, I. Philosophy.  
 I. English, I. Welsh, I. Geology,  
 I. Music.  
 I. Latin, I. French, S. German.  
 I. Latin, I. English, I. French,  
 I. History.  
 F. English.  
 S. History, S. Music, S. Welsh.  
 H. French, II. (1) and Oral Certificate.  
 I. French, S. English.  
 S. English, S. History, F. Welsh.  
 I. Philosophy, H. Geography, II. (2).  
 H. Latin, II. (2).  
 H. History, II. (1).  
 F. Philosophy, F. Welsh.  
 I. English, I. History, I. Music.  
 F. English, F. Economics.  
 H. Philosophy, II. (2).  
 I. English, I. History, S. Economics,  
 S. French.  
 F. Geography, F. German.  
 F. Greek.  
 I. German, I. History, S. Economics,  
 S. Philosophy.  
 H. Welsh Literature, I.  
 S. German.  
 I. Geology, S. English, S. Geography.  
 I. English, I. Welsh, I. French, S.  
 History.  
 H. History, II. (2).  
 F. English, F. History.

- Jones, Menna  
*Jones, Merfyn Mechain*  
 Jones, Phyllis Menna  
 Jones, Richard Edward  
 Jones, Robert Nelson  
 Jones, Robert Owen  
 Jones, Samuel Kenneth  
*Jones, Sarah Ceridwen*  
 Jones, Thomas, B.A.  
 Jones, Thomas  
*Jones, Thomas John*  
 Jones, Thomas Rhys  
 Jones, Thomas Richard  
*Jones, Trevor Gwyn Humphreys*  
 Jones, William Brynmor  
 Jones, William George  
 Jordan, William Haydn  
 Lawrence, Lilian Kathleen  
 Lewis, Ann Elizabeth  
 Lewis, David Gwynfor  
 Lewis, David Lloyd  
 Lewis, Evan John  
*Lewis, Frank Robert*  
 Lewis, George  
*Lewis, Gomer Thomas*  
*Lewis, Hugh Gwynfor*  
 Lewis, John Lloyd  
 Lewis, Margaret Jane Phyllis  
*Lewis, Mary Elizabeth*  
 Lewis, Tom Ewart  
 Lewis, Trevor  
 Lewys-Lloyd, Delyth Clowes  
 Vaughan.  
 Leyshon, John  
 Llewellyn, Arianwen Rowena  
 Lloyd, Dinah Margaret Catherine  
 Lloyd, Eira Mary  
 Lloyd, John Trefor  
 Lloyd, Rita Mary  
 Lloyd, Thomas Richard  
 MacKeen, Douglas Irwin  
 Mainwaring, Margaret  
 Manning, Hilda Mary  
 Mason, Hilda May  
*Mathews, William James*  
 Mills, Richard Jehu.  
 S. English, F. Economics, F. History.  
 H. English, II. (1).  
 S. Education, F. English, F. Welsh.  
 I. Philosophy, F. Economics,  
 F. Geography.  
 Prelim. Latin, I. Welsh, I. History,  
 I. Philosophy.  
 I. English, I. French, I. History, I.  
 Geology.  
 I. English, I. Welsh, I. History, I.  
 Geology.  
 S. French, F. English, F. Education.  
 H. Welsh, I.  
 H. Geography, III.  
 H. English, II. (1).  
 S. Education, F. Welsh Literature.  
 S. Welsh, S. Geography,  
 S. Philosophy.  
 H. Economics, II. (1).  
 F. Economics, F. Geography, F. History.  
 Elem. Greek, I. Welsh, I. and F.T.  
 Philosophy.  
 I. Philosophy, S. Geography, F. History  
 Prelim. Latin, I. Geology, S. English  
 S. History.  
 I. French, I. Geology, S. English,  
 S. Geography.  
 Prelim. Latin, I. History, S. English,  
 S. French.  
 I. History, I. Welsh.  
 I. Latin, H.1. English.  
 H. History, I.  
 S. German, F. Latin.  
 H. Philosophy, II (2).  
 H. French, II (1) and Oral Certificate.  
 I. Greek, S. Economics, S. Philosophy.  
 I. Latin, I. English, I. Philosophy,  
 S. Welsh.  
 F. English, F. Philosophy.  
 I. Philosophy.  
 Prelim. Latin, S. English, S. French,  
 S. History.  
 S. Economics, S. German.  
 I. English, I. History, S. Economics.  
 I. German, S. English.  
 I. Philosophy, S. English, S. French.  
 S. English, S. French, S. History.  
 I. Greek, S. Welsh, S. German,  
 S. Philosophy.  
 I. English, I. Geology, I. German,  
 S. History.  
 I. Greek, I. English, S. Latin,  
 S. Welsh.  
 S. French, S. History, F. English.  
 I. Latin, S. Education, S. History.  
 I. Latin, S. Economics, F. History.  
 S. Music, F. English, F. Welsh.  
 I. Latin, F. Economics.  
 I. English, I. French, I. History,  
 I. Geology.

- Mole, Arnold John*  
 Morgan, Elizabeth Eluned, B.A.  
 Morgan, Ena Marjorie Unwin  
 Morgan, John Cyril  
 Morgan, Martha Eluned Anne  
  
 Morgan, Percival Francis  
*Morgan, William Leslie*  
 Morris, Gwyn Elvet  
*Morris, Jane Ellen*  
 Morris, John Evans  
  
 Morris, Kenneth Owen  
  
 Moses, Trevor  
  
 Newell, Dorothy Ann  
 Oliver, Florence Mary  
*O'Shea, Maire*  
  
 Owen, Rachel Meiriell  
  
*Parry, Albert*  
 Payne, George Charles  
 Perkins, Morgan  
*Perrott, Brynmor Rhys*  
*Phillips, Caradog*  
*Phillips, Glenys Owen*  
 Phillips, James Ronald  
*Phillips, John Rowland Emrys*  
 Phillips, Margaret Hamilton  
  
 Phillips, Trevor James  
 Powell, Nancy  
*Price, Margaret Eiddwen*  
*Prior, Edgar Wallington*  
 Pritchard, Anne Mary  
  
 Proffit, Tudor  
  
 Rees, Alwyn David  
  
 Rees, Anelyf Wyn  
 Rees, Delsie  
 Rees, Evan Harries  
 Rees, Garnet  
 Rees, Hannah Arianwen  
*Rees, Ivor Gwynfil*  
 Rees, James, Meurig.  
  
*Rees, Mair Irene*  
 Rees, Nelian  
 Rees, William Charles  
 Rees, William Treharne  
  
 Reynolds, David Elwyn  
*Richards, Ivor Charles Maxwell*  
 Richards, John George
- H. Economics, II. (1).  
 H. Latin, II. (2).  
 S. English, F. Latin.  
 I. English, I. Philosophy.  
 I. Latin, I. German, S. English,  
   S. French.  
 I. English, I. History, I. Philosophy.  
 H. German, II. (1) and Oral Certificate.  
 S. Welsh, S. History, F. Economics.  
 H. History, II (2).  
 I. Welsh, I. German, I. History,  
   S. Economics.  
 I. Applied Mathematics, S. Philosophy,  
   S. Pure Mathematics.  
 S. History, F. Economics,  
   F. Geography.  
  
 S. Economics, F. English, F. History.  
 S. Education, S. French, H.I. English.  
 F. English, F. History.  
  
 I. Latin, I. French, S. English,  
   S. German.  
 F. History.  
 I. History, F. English, F. Geography.  
 I. English, I. Geology, I. History.  
 H. Geography, II. (2).  
 I. Philosophy, S. Education, F. English.  
 H. French, II. (2) and Oral Certificate.  
 Elem. Greek, I. History, I Philosophy.  
 F. Economics, F. Geography.  
 I. English, S. Education, S. French,  
   S. History.  
 H.I. English, F. Economics, F. History.  
 F. History.  
 H. French, I. and Oral Certificate.  
 H. French, II. (1) and Oral Certificate.  
 S. Economics, F. English,  
   F. Geography.  
 S. German, F. Welsh, F. Geography.  
  
 S. Philosophy, F. Geography, F. Welsh  
   Literature.  
 F. Economics, F. French, F. History.  
 S. French, H.I. English, F. History.  
 Elem. Greek.  
 S. Education F. English.  
 I. German, S. Welsh.  
 H. Welsh, II. (2).  
 I. English, I. Welsh, I. History,  
   I. Philosophy.  
 H. Welsh, II. (1.)  
 S. Greek, F. French.  
 I. English, I. Philosophy.  
 I. German, I. History, I. Philosophy,  
   S. Economics.  
 S. History, F. Economics.  
 H. Geography, II (2)  
 S. Economics, F. Geography,  
   F. History.

- Roberts, David  
 Roberts, David Emlyn  
 Roberts, Dorothy  
 Roberts, Edward Gwilym  
 Roberts, Gwilym Owen  
*Roberts, Hywel David*
- Roberts, Iola Meiry!
- Roberts, Mair Ruffydd  
 Roberts, Robert Elwyn  
*Roberts, Sydney Dorothy*
- Roderick, Arthur James  
 Rowlands, Elizabeth Doris  
 Rowlands, William Lewis  
 Rushforth, Anita
- Saer, Luther John*  
 Samuel, Gwilym Raymond  
 Sanders, Ivor John
- Seaborne, Marian Arabella Inez  
 Seedhouse, Alan Walter
- Selway, Albert Harry*  
 Sewell, Nellie  
*Smith, Robert Arnold*  
 Stephens, David Gerwyn  
 Stevens, David George
- Sutton, Rachel Margaret  
 Rhydderch.
- Thomas, Brinley Glyndwr  
 Thomas, David Alun  
 Thomas, David Glynn
- Thomas, Eirlys*  
*Thomas, Elwyna*  
*Thomas, Emiah Jane*  
 Thomas, Evan Rhys  
 Thomas, Garnet Lionel
- Thomas, Graham  
 Thomas, Gwladys Melita Mary,  
 B.A.
- Thomas, Gwyn Ivor  
*Thomas, John*  
 Thomas, Kathleen Nora  
 Thomas, Louise Price  
 Thomas, Maelgwyn Rees  
*Thomas, Maria Beryl*  
 Thomas, Marion Elaine  
 Thomas, Megan  
 Thomas, Thomas  
*Thomas, Thomas*  
 Thomas, William Ernald  
 Tilsley, Gwilym Richard
- Walker, Ivor
- S. Latin, S. History, H. I. English.  
 F. Geography, F. Welsh.  
 Prelim. Latin, S. History.  
 F. English.  
 I. Greek, S. Economics, S. Welsh.  
 F. English, F. Geography, F. Welsh  
 Literature.  
 I. Latin, I. English, I. French,  
 I. Philosophy.  
 S. Education, S. History.  
 S. Geography, S. History.  
 H. English II. (2).
- S. Economics, F. Latin, F. History.  
 F. Welsh, S. Education, H. I. English.  
 S. Welsh.  
 S. Economics, S. English, S. Welsh,  
 F. History.  
 H. Latin, II. (1).  
 S. Latin S. History, H. I. English.  
 S. Geography, F. Economics,  
 F. History.  
 H. I. English, F. History, F. Philosophy,  
 Prelim. Latin, S. English, S. French,  
 S. History.  
 H. Philosophy, II (2).  
 I. Latin, I. English, I. Welsh, I. Music.  
 H. Economics, I.  
 I. Welsh, I. Music, S. Philosophy.  
 I. Latin, I. German, S. Economics,  
 S. History.  
 S. Economics, F. English, F. History.
- S. Latin, S. Education, F. Philosophy.  
 S. Greek.  
 I. Geology, I. German, S. Geography,  
 S. History.  
 S. English, F. Economics, F. Welsh.  
 H. History, III.  
 H. Welsh, I.  
 F. History.  
 Prelim. Latin, I. French, S. Economics,  
 S. History.  
 I. German, S. English, S. Music.  
 Certificate of Oral Proficiency in French.
- F. Economics, F. Welsh, F. History.  
 H. English, II. (1).  
 S. Economics, S. German.  
 S. French, F. English, F. German.  
 S. Latin, F. English.  
 H. Geography, I.  
 I. Latin, S. English, S. French,  
 F. Welsh.  
 I. Welsh.  
 F. Geography.  
 S. Latin, S. Welsh, S. History.  
 I. Latin, I. Welsh, I. and F.T.  
 Philosophy, S. Economics.  
 I. French, I. Geology, S. Geography,  
 S. History.

- Watkins, Ernest Gwynne  
 Watkins, Glyndwr  
 Watkins, Susannah  
 Wigley, Elfyn Edward
- Williams, Annie Dorothy*  
*Williams, David Leslie*  
*Williams, Eric Godfrey*  
 Williams, George  
 Williams, Gwilym Iorwerth
- Williams, Gwilym Osmund*  
 Williams, Hugh Trefor  
 Williams, John Hopkin  
*Williams, John Lewis*  
*Williams, Leslie Marshall*
- Williams, Leslie Owen  
*Williams, Mabel Winifred*  
*Williams, Nellie*  
 Williams, Ronald  
 Williams, Tom Pugh  
 Williams, William (Senghenydd)  
 Williams, William John  
 Woodward, Harry Bernard  
 Worthington, Worthington  
 Emrys
- Yemm, William
- I. French, S. Economics, S. English,  
 S. History.  
 I. Welsh, S. German, S. Geography,  
 F. Economics.  
 I. English, S. Welsh, S. History,  
 S. Geography.  
 S. English Law, S. Jurisprudence,  
 F. Economics.  
 H. Economics, II. (1).  
 H. Geography, I.  
 I. Philosophy, F. Economics.  
 I. French, S. Economics, S. Geography.  
 I. English, I. Welsh, I. History,  
 I. Philosophy.  
 H. Latin, II. (2).  
 S. English, F. Economics, F. Geography.  
 S. Education, S. History, H.1. English,  
 F. History, F. Economics.  
 I. Philosophy, S. Jurisprudence,  
 F. Economics, F. History.  
 I. Greek, F. Pure Mathematics.  
 H. French, II. (2) and Oral Certificate.  
 F. Economics, F. Geography.  
 F. Economics, F. Geography.  
 H. French I., and Oral Certificate.  
 S. English, S. Geography.  
 S. Latin, F. German.  
 I. English, I. History, I. Geology.  
 I. Welsh, I. Philosophy.
- I. Philosophy, S. Education,  
 F. Geography, F. History.

## SCIENCE.

- Abraham, Margaret Elizabeth  
 Allen, Albert Thomas
- Arthur, David Merfyn  
*Baker, Elsie May*  
 Barrett, Gwen  
*Bason, Phoebe Margaret*  
 Bassett, Frank  
 Bayliss, Arthur George  
 Beresford, Doreen May
- Bevan, Mary Ann  
 Bevan, Ronald William
- Beynon, William Vaughan  
 Blackledge, Mary
- Bound, Richard Augustine  
 Milwyn,
- Bowen, Joan Catherine Mary  
 Brandon, Vera Eileen
- Britton, Francis Ronald  
*Bull, James Howard*
- F. Geology, F. Geography.  
 I. Geology, S. Geography, S. Pure  
 Mathematics.  
 S. Botany.  
 H. Geography, I.  
 F. Botany, F. Geography.  
 F. Economics, F. Geography.  
 I. Philosophy, I. Physics, S. Education.  
 I. Physics.  
 F. Applied Mathematics, F. Pure  
 Mathematics.  
 S. Physics., F. Geography.  
 S. Pure Mathematics, S. Geology,  
 S. Geography.  
 F. Physics.  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.  
 F. Chemistry, F. Physics.
- S. Botany, S. Geology, S. Geography.  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.  
 H. Applied Mathematics, I.  
 H. Chemistry, III.



- Carter, Glynden Ewart  
Chatterley, Lucy  
*Corfield, George Arthur*
- Davies, Annie  
Davies, David Thomas  
*Davies, Eilwen*  
Davies, Enoch, B.Sc.-  
Davies, Evan George  
Davies, Haydn George
- Davies, Horace Lloyd
- Davies, Isaac
- Davies, John Vernon
- Davies, Mansel Morris  
Davies, Miriam Eluned  
Davies, Ronald Clifford  
*Davies, Thomas Andrew*  
Davies, Thomas Idwal  
Davies, Wilfred Owen  
*Davies, Winifred Mary*
- Edwards, Margaret Eluned Honor  
Edwards, Sidney Vincent John  
*Evans, Catherine Irene*  
Evans, Eleanor Mary  
Evans, Gwyneth  
Evans, Idwal Victor  
Evans, Jacob  
*Evans, Kathleen Marion Emilie*  
Evans, Maria  
Evans, Mary Elizabeth, B.Sc.  
Evans, Rachel Mary
- Everson, Ronald*  
*Francis, Mary Paynter*  
*Francis, William Howard*
- Harries, John Vaughan
- Harris, Bramwell*  
Harris, Grace  
*Hooper, Margaret Chorlton*  
Hopkins, Catherine Ann  
Hughes, Daniel Maldwyn  
*Hughes, Harold*  
*Humphreys-Rowlands, Margaret*  
*Hurn, Herbert Courtenay*  
James, Henry Vincent  
Jarvis, Sydney Geoffrey  
Jenkins, Hywel Oliver, B.Sc.  
Jenkins, Norman Fairfield
- Johns, Harold Myrddin  
Jones, Arthur Vaughan, B.Sc.  
Jones, Benjamin Royston
- F. Geology, F. Geography.  
S. Botany, S. Economics, S. Zoology.  
H. Pure Mathematics, II. (1).
- I. Geology.  
S. Chemistry.  
H. Geography, II. (1).  
H. Geology, II. (2).  
I. Geology.  
I. Pure Mathematics, I. Chemistry,  
I. Physics.  
S. Pure Mathematics, S. Chemistry,  
S. Physics.  
S. Applied Mathematics, F. Pure  
Mathematics.  
S. Pure Mathematics, S. Chemistry,  
S. Physics.  
F. Chemistry, F. Physics.  
I. Physics, S. Organic Chemistry.  
S. Chemistry, S. Geology, S. Geography,  
S. Geology, F. Botany.  
I. Chemistry, S. Botany, S. Zoology.  
I. Chemistry, S. Physics.  
H. Botany, II. (1).
- S. Applied Mathematics, F. Chemistry.  
S. Chemistry, S. Physics.  
S. Botany, F. Geography.  
S. Botany, S. Geography, S. Zoology.  
I. Botany, I. Zoology.  
I. Botany, I. Geology, I. Zoology.  
I. Botany, S. Zoology.  
H. Geography, II. (2).  
I. Botany, I. Geology, I. Zoology  
H. Botany, II (2).  
S. Applied Mathematics, S. Physics,  
F. Pure Mathematics.  
H. Physics, II. (1).  
S. Economics, S. Pure Mathematics.  
H. Mathematics, Pure and Applied,  
II (2).  
F. Applied Mathematics, F. Pure  
Mathematics.  
F. Physics.  
I. Geology, S. Geography, S. Zoology.  
F. Botany, F. Chemistry.  
I. Botany, I. Chemistry, I. Zoology.  
I. Geology.  
H. Economics, II. (1.)  
F. Botany, F. Geology.  
H. Mathematics, Pure and Applied, II (1)  
F. Pure Mathematics, F. Physics.  
F. Geography, F. Geology.  
H. Physics, II. (2).  
I. Physics, S. Pure Mathematics,  
S. Applied Mathematics.  
S. Botany, F. Zoology.  
H. Zoology, II. (2).  
F. Pure Mathematics, F. Applied  
Mathematics.

- Jones, Clarice Muriel Mary  
 Jones, Cyril Charles  
*Jones, David Caledfryn*  
 Jones, David Price  
 Jones, Ellen  
*Jones, Gwyneth Mary*  
 Jones, Hannah Margaret  
*Jones, John Idris*  
 Jones, Mair Elizabeth  
  
 Jones, Mary Dorothy  
 Jones, Mary Elizabeth  
  
*Jones, Richard John Lloyd*  
 Jones, Thomas Tyssul  
*Jones, William Ernest*  
 Jones, William Frederick  
 King, William George  
  
 Ladd, John Cyril  
 Landon, David Handel  
  
*Laramy, Albert James Gwynfryn*  
 Lewis, Brinley James  
  
 Lewis, David Stephen Goronwy,  
 B.Sc.  
 Lewis, Dilys Myfanwy  
*Lewis Edith Anne*  
 Lewis, Herbert John, B.Sc.  
 Lewis, Nesta Elizabeth  
  
 Lewis, William Edward  
  
*Lewis, William Rufus*  
  
 Llewelyn, Edith Margaret  
 Lloyd, David Charles  
 Lloyd, Rebecca Megan  
 Lloyd-Owen, Owen Idris  
*Loveridge, Enid Neale*  
 Lowdon, Margaret  
*Mackenzie, Marian Bettina*  
*Moore, Jack*  
 Morgan, Betty  
*Morgan, George Spencer*  
*Morgan John*  
*Nicholas, Gwenllian Kate*  
 Nicholas, Margaret Dorothy  
 Osborne, Daniel  
  
 Owen, Morgan David  
  
 Owens, Robert David John  
  
 Parry, Caradoc Griffiths  
*Parry, George Alwyn*  
 Peguero, Mary
- I. Physics, S. Pure Mathematics,  
 S. Applied Mathematics.  
 I. Applied Mathematics.  
 F. Geography.  
 S. Botany, S. Zoology, F. Chemistry.  
 S. Geology, F. Geography, F. Zoology.  
 F. Botany, F. Geography.  
 S. Applied Mathematics, S. Physics.  
 H. Chemistry, II. (1).  
 S. Applied Mathematics, S. Physics,  
 F. Pure Mathematics.  
 S. Botany, F. Zoology.  
 I. Pure Mathematics, I. Geology,  
 S. Geography.  
 H. Geography, III.  
 F. Chemistry, F. Physics.  
 H. Pure Mathematics, I.  
 F. Chemistry, F. Geology.  
 I. Physics, S. Pure Mathematics,  
 S. Applied Mathematics.  
  
 F. Botany, F. Zoology.  
 I. Pure Mathematics, I. Chemistry,  
 I. Physics.  
 H. Physics, II. (1).  
 S. Pure Mathematics, S. Applied  
 Mathematics, S. Physics.  
 H. Physics, II. (1).  
  
 I. Geology, S. Botany, S. Zoology.  
 H. Botany, I.  
 H. Chemistry, II. (2).  
 I. Applied Mathematics, S. Pure  
 Mathematics, S. Physics.  
 F. Economics, F. Geography,  
 F. Geology.  
 I. Applied Mathematics, F. Pure  
 Mathematics, F. Physics.  
 F. Botany.  
 F. Zoology.  
 F. Geography.  
 I. Physics.  
 F. Geography.  
 S. Economics, S. Botany, S. Zoology.  
 H. Pure Mathematics, II. (2).  
 H. Pure Mathematics, III.  
 I. Botany, I. Geology, I. Zoology  
 H. Chemistry, III.  
 H. Geography, II. (2).  
 H. Botany, I.  
 I. Geology, S. Botany, S. Geography.  
 S. Economics, F. Geography,  
 F. Geology.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 F. Chemistry, F. Physics.  
  
 F. Economics, F. Geography.  
 H. Chemistry, I.  
 I. Botany, I. Geology, S. Geography.

- Phillips, Margaret Teifiona  
Thomas
- Phillips, Marion
- Phillips, Rosetta Florence
- Phillips, Thomas Lloyd
- Phillips, William Reginald John  
*Pincott, John*  
*Pitman, Reginald Horace*
- Presley, Gwyneth Hilda
- Price, Beryl, B.Sc.
- Price, Morgan  
*Price, Thomas Frederick*  
*Pride, Rhiannon*
- Prothero, John Clifford
- Pryce, David George
- Pugh, Evan Milwyn  
*Redd, Raymond*
- Rees, Catherine Lucilla  
*Rees, May*  
*Rees, Nancy*  
*Rees, Richard Emlyn*
- Rees, William James
- Reese, Mary Jane
- Richards, Gwyneth  
*Richards, Joyce Elizabeth Alice*
- Richards, Mary Ann
- Richards, Olwen Hannah
- Roberts, Frederick Grenville  
*Rogers, Evan Harold Islwyn*
- Samuel, Gwyneth Eluned
- Sansbury, Arthur Richard, B.Sc.
- Saunders, Oliver Picton
- Spiller, George Francis
- Theophilus, Thomas Ieuan, B.Sc.  
*Thomas, Agnes Mary*  
Thomas, Arthur Philip
- Thomas, Benjamin John
- Thomas, Iorwerth Hefin
- Thomas, Ivor Vincent
- Thomas, Nesta Elizabeth Sybil
- Thomas, William John
- Tovey, Dorothy May
- Vaughan, Alfred Kenneth
- Venn, Ernest Edward
- Walker, Thomas  
*Wardle, Beatrice*
- Warlow, Phoebe Rosalind
- Weale, William Austin
- Wernet, Beryl Margaret
- White, Theodore,  
*Wigley, Hugh Armand Ellis*
- Williams, Alan
- I. Applied Mathematics, I. Physics,  
S. Pure Mathematics.
- S. Botany, S. Geography, S. Zoology.
- S. Geography, S. Pure Mathematics,  
S. Physics.
- S. Pure Mathematics, S. Applied  
Mathematics, S. Physics.
- S Applied Mathematics.
- H. Chemistry, II. (2).
- H. Pure Mathematics, III.
- S. Botany, S. Chemistry, S. Pure  
Mathematics.
- H. Geography, III.
- F. . Pure Mathematics.
- F. Geography, F. Economics.
- H. Botany, II. (1).
- I. Botany, I. Zoology.
- S. Pure Mathematics, ; S. Applied  
Mathematics, S. Physics.
- F. Geography, F. Geology.
- H. Chemistry, I.
- I. Botany, F. Geography.
- H. Botany, II. (1).
- I. Botany, I. Geology, I. Zoology.
- H. Chemistry, III.
- S. Botany, S. Geography, S. Zoology.
- F. Botany, F. Geography.
- F. Geography.
- F. Botany, F. Zoology.
- F. Geography, F. Geology.
- S. Pure Mathematics, S. Applied  
Mathematics, S. Physics.
- F. Applied Mathematics.
- H. Geography, III.
- S. Botany, S. Economics, F. Geography
- H. Geography, I.
- I. Botany, I. Geology.
- I. Geology, S. Pure Mathematics,  
S. Geography.
- H. Chemistry, I.
- F. Geography, F. Zoology.
- F. Pure Mathematics, F. Applied  
Mathematics.
- F. Pure Mathematics, F. Applied  
Mathematics.
- F. Chemistry, F. Physics.
- F. Botany, F. Geography
- S. Botany, S. Zoology.
- F. Pure Mathematics, F. Physics.
- F. Geology, F. Geography.
- I. Botany, I. Geology, I. Zoology.
- I. Zoology.
- I. Botany, I. Chemistry, I. Zoology.
- H. Botany, I.
- I. Physics, S. Pure Mathematics,  
S. Applied Mathematics.
- I. Botany, I. Geology, I. Zoology.
- S. Botany, S. Geography.
- I. Botany, I. Chemistry, I. Zoology.
- H. Pure Mathematics, II. (1).
- S. Physics, F. Chemistry, F. Pure  
Mathematics.

- Williams, Betty Joyce  
*Williams, David Arnallt*  
 Williams, Edward George  
*Williams, Gwenith*  
*Williams, John Richards*  
 Williams, John William  
 Williams, Megan
- Williams, Sylvia Rosalind  
 Williams, Thomas George  
*Williams, William (Garnant)*  
 Williams, William Gwynne  
 Woodland, William Austin
- Zetterstrom, Ida Elizabeth
- RURAL SCIENCE.
- Akhaury, Bindhyabasini Prasad  
*Ashton, Edward Donald*
- Ashton, Walter Meredith*  
 Das Gupta, Mohitendranath
- Edmunds, Henry  
 Griffiths, Edward Kenneth  
*Gupta, Din Dayal*
- Harries, John Mervyn
- Hopkins, John Stephen  
*Hughes, Elfed Lloyd*
- Johnson, Alice  
 Miles, Elizabeth Jane  
 Morris, Stanley Thomas, B.Sc.
- Mulloth, Balakrishna Menon*
- McHardy, Leo John  
 Pugh William Kenneth
- Ray, Sudhindra Chandra
- Saer, John*
- Sandhu, Harpal Singh*
- Smith, Joseph Henry*
- Thomas, Percy Tudor  
 Tudor, Jane Angharad  
*Walker, Robert Gordon*
- Western, John Henry*
- Whiteside, Alan
- I. Botany, S. Geology, S. Geography.  
 H. Chemistry, II (1).  
 S. Economics, F. Geology.  
 H. Zoology, II. (2).  
 F. Pure Mathematics, F. Geology.  
 I. Physics.  
 I. Physics, S. Pure Mathematics,  
 S. Chemistry.  
 S. Botany, S. Geography, S. Zoology.  
 I. Geology  
 S. Physics, F. Chemistry.  
 F. Pure Mathematics, F. Chemistry.  
 I. Pure Mathematics, S. Geology,  
 S. Geography.  
 S. Botany, S. Geology, F. Geography.
- S. Botany, S. Agricultural Botany.  
 S. Agricultural Botany, S. Agricultural  
 Chemistry, F. Agriculture,  
 F. Economics with Agri.  
 Economics  
 H. Chemistry with Agri. Chemistry I.  
 I. Botany, S. Economics, S. Agricultural  
 Chemistry.  
 I. Botany, I. Chemistry, I. Zoology.  
 I. Chemistry, I. Botany, I. Zoology.  
 S. Agricultural Botany, F. Agriculture,  
 F. Botany, with Agri. Botany.  
 S. Economics, S. Agricultural Botany,  
 F. Agriculture.  
 I. Botany, I. Chemistry, I. Zoology.  
 H. Botany with Agricultural Botany,  
 II. (1).  
 S. Botany, S. Agricultural Chemistry.  
 S. Agricultural Chemistry, S. Zoology.  
 H. Economics with Agri. Economics,  
 II. (1).  
 S. Agricultural Chemistry, F. Agricul-  
 ture, F. Economics with Agri.  
 Economics.  
 I. Botany, I. Chemistry, I. Zoology.  
 S. Agricultural Chemistry,  
 S. Chemistry.  
 S. Agricultural Botany, F. Economics  
 with Agricultural Economics.  
 H. Botany with Agricultural Botany,  
 II. (1).  
 S. Agricultural Chemistry, F. Agricul-  
 ture, F. Economics with Agri.  
 Economics.  
 S. Agricultural Chemistry, F. Agricul-  
 ture, F. Economics with Agri.  
 Economics.  
 S. Botany, S. Agricultural Chemistry.  
 I. Botany, I. Chemistry, I. Zoology.  
 H. Botany with Agricultural Botany,  
 II. (1).  
 S. Agricultural Botany, F. Agriculture,  
 F. Botany, with Agri. Botany.  
 F. Agriculture, F. Botany with Agri.  
 Botany.

## LAW.

- Batterbee, Myfanwy Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Bonnett, Denise Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Bowen, Evan Roderic* Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Bufton, Lilian Mary* Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Burrell, John Glyn Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Cooper, John I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Davies, Alun I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Evans, Emlyn Hugh, LL.B. H. Law, II. (2).
- Evans, Gwynfor Richard Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Gordon-Roberts, Sylvia Gordon* Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Hicks, William Haydn, B.A. Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Jenkins, Samuel Morley Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Jones, Clement Owen I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Jones, Edward* Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Jones, Henry Evans Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Jones, Iwan Elis Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Jones, John Eryl Owen Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
- Jones, John Kenneth Trevor, LL.B. H. Law, II. (1).

<i>Jones, Megan Lloyd</i>	Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
<i>Korathkar, Vithal Keshavrao</i>	Pt. II. Common Law, Pt. II. Conveyancing and Equity.
Lewis, Joseph Glyndwr	Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
Lewis, William Edward	Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
Llewellyn, William John	Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
Maung, Maung	I. History.
Morgan, Thomas Lewis	I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
Morgan, William Glyn, LL.B.	H. Law, II. (2).
Simons, Emrys, LL.B.	H. Law, II. (1).
<i>Stock, Raymond</i>	Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
Taylor, Frederick William	Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence and Comparative Law.
Thomas, Evan Hugh	I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
Wallis-Jones, Ewan Perrins	Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
Williams, Laura Edith	I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
Music.	
Davies, Davey	I. English, I. History of Music, I. Theory of Music.
Jones, Selwyn	S. History of Music, S. Theory of Music and Composition.

### SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1932.

#### ARTS.

Arnold, William	I. German.
Astley, Margaret Rosina May	I. Philosophy.
Bridge, Alfred George	I. English, I. German.
Davies, John Morgan	I. German.
Davies, John Noel	I. Latin.
Davies, John Richard	I. English.
Davies, William Owen	I. Latin.
Evans, Elwyn	I. Latin.
Green, David John	I. Geology.
Haynes, Evan Edward	I. Geology.

James, John Henry	I. Latin.
Jones, Alwina Mair	I. Latin.
Jones, Constance Florence Ashley	I. German.
Jones, David Oswald	I. Welsh.
Jones, Gladys Elizabeth	I. German.
Jones, Hannah Enid	I. Geology.
Jones, Richard Edward	I. German.
Jones, William George	I. History.
Jones, William John	I. German, I. Geology.
Lawrence, Lilian Kathleen	I. Latin.
Lewis, David Lloyd	I. English, I. Geology.
Lewis, Evan John	I. German.
Leyshon, John	I. German.
Mole, Arnold John	I. Latin (Certificate of Trans. only.)
Morgan, Percival Francis	I. Geology.
Oliver, Florence Mary	I. German.
Perkins, Morgan	I. German.
Phillips, James Ronald	I. English.
Phillips, John Rowland Emrys	I. German.
Powell, Nancy	I. Geology, I. German.
Rees, Garnet	I. Latin.
Rees, Hannah Arianwen	I. English.
Rees, William Charles	I. French.
Roberts, Robert Elwyn	I. Geology.
Shepherd, Henry Haydn	I. German.
Stephens, David Gerwyn	I. German.
Thomas, Brinley Glyndwr	I. German.
Thomas, Garnet Lionel	I. Latin.
Thomas, Graham	I. Geology.
Thomas, Kathleen Nora	I. French.
Thomas, Marion Elaine	I. German.

## FACULTY OF SCIENCE.

Davies, Annie	I. Botany, I. Zoology.
Evans, Gwyneth	I. Chemistry.
Evans, Jacob	I. Chemistry.
Jones, David Hughes	I. Pure Mathematics.
Morgan, Betty	I. German.
Saunders, Oliver Picton	I. Pure Mathematics.

## FACULTY OF RURAL SCIENCE.

Griffiths, Edward Kenneth	I. Physics.
Williams, Stephen	S. Agri. Botany, S. Agri. Chemistry, S. Agri. Zoology.

## FACULTY OF LAW.

Davies, William Philip	Pt. I. English Law, Pt. I. International Law.
Jenkins, Samuel Morley	I. History.
Lewis William Edward	I. History.
Thomas, David Gordon	Pt. I. English Law, Pt. I. Constitu- tional Law, Pt. I. International Law.

## EXAMINATION FOR THE DIPLOMA IN EDUCATION, 1932.

## PART I. WRITTEN EXAMINATION.

*Division 1.*

Dayies, Clifford, B.A.  
 Davies, William Clifford, B.Sc.  
 Ellis, Dewi Machreth, B.A.  
 Evans, William John, B.A.  
 Grimes, Sylvie Madeline, B.A.  
 Jerman, Herbert Noel, B.A.  
 Jones, Ivor Brynmor, B.A.  
 Williams, Edith Irene, B.A.

*Division 2.*

Bartholomew, Raymond Ambrose, B.A.  
 Batt, Muriel Eileen, B.Sc.  
 Bebbington, Gladys Ellen, B.Sc.  
 Bowen, William Edward, B.A.  
 Cable, Donald Keith, B.Sc.  
 Chapple, Maurice Tregear, B.Sc.  
 Cooper, John Henry, B.Sc.  
 Davies, Edward Garfield, B.A.  
 Davies, Isaac, B.A.  
 Easthope, Colin Eric, B.Sc.  
 Evans, Eluned Jeffreys, B.A.  
 Evans, John Idris, B.A.  
 George, Daniel Ernest, B.A.  
 Hinds, Leonard, B.A.  
 Hughes, Gladys Winifred, B.A.  
 Humphreys, Thomas Alfred, B.A.  
 James, Thomas Richard, B.Sc.  
 Jenkins, Muriel Dilys, B.A.  
 Jones, Annie Mary, B.A.  
 Jones, Arthur Towyn, B.A.  
 Jones, Katie Alice, B.A.  
 Moore, Isobel Doreen Games, B.A.  
 Morgan, David Edgar, B.Sc.  
 Morgan, Emlyn, B.A.  
 Morris, David Caradog, B.A.  
 Oliver, Enid, B.A.  
 Owen, Thomas Emlyn, B.A.  
 Pearson, Edith McCall, B.Sc.  
 Phillips, Mattie, B.A.  
 Pitts, Lynda Margaret, B.A.  
 Pugh, Arthur Ronald, B.A.  
 Ractliffe, Jack Fuller, B.Sc.  
 Stiles, Evelyn May, B.A.  
 Theophilus, David Maldwyn, B.A.  
 Thomas, Emlyn, B.A.  
 Thomas, Gwladys Melita Mary, B.A.  
 Williams, Gwyneth Agnes, B.A. (*Lond.*).  
 Williams, Mair Meirionwen, B.A.  
 Williams, Olwen, B.A.  
 Williams, Sybil Noreen, B.A.



## PART II. TESTS OF PRACTICAL SKILL.

*Division 1.*

Bebbington, Gladys Ellen, B.Sc.  
 Easthope, Colin Eric, B.Sc.  
 Ellis, Dewi Machreth, B.A.  
 Evans, William John, B.A.  
 James, Thomas Richard, B.Sc.  
 Morris, David Caradog, B.A.  
 Pearson, Edith McCall, B.Sc.

*Division 2.*

Bartholomew, Raymond Ambrose, B.A.  
 Batt, Muriel Eileen, B.Sc.  
 Bowen, William Edward, B.A.  
 Cable, Donald Keith, B.Sc.  
 Chapple, Maurice Tregear, B.Sc.  
 Cooper, John Henry, B.Sc.  
 Davies, Clifford, B.A.  
 Davies, Edward Garfield, B.A.  
 Davies, Isaac, B.A.  
 Davies, William Clifford, B.Sc.  
 Evans, Eluned Jeffreys, B.A.  
 Evans, John Idris, B.A.  
 George, Daniel Ernest, B.A.  
 Grimes, Sylvie Madeline, B.A.  
 Hinds, Leonard, B.A.  
 Hughes, Gladys Winifred, B.A.  
 Humphreys, Thomas Alfred, B.A.  
 Jenkins, Muriel Dilys, B.A.  
 Jerman, Herbert Noel, B.A.  
 Jones, Annie Mary, B.A.  
 Jones, Arthur Towyn, B.A.  
 Jones, Ivor Brynmor, B.A.  
 Jones, Katie Alice, B.A.  
 Moore, Isobel Doreen Games, B.A.  
 Morgan, David Edgar, B.Sc.  
 Morgan, Emlyn, B.A.  
 Oliver, Enid, B.A.  
 Owen, Thomas Emlyn, B.A.  
 Phillips, Mattie, B.A.  
 Pitts, Lynda Margaret, B.A.  
 Pugh, Arthur Ronald, B.A.  
 Ractliffe, Jack Fuller, B.Sc.  
 Stiles, Evelyn May, B.A.  
 Theophilus, David Maldwyn, B.A.  
 Thomas, Emlyn, B.A.  
 Thomas, Gwladys Melita Mary, B.A.  
 Williams, Edith Irene, B.A.  
 Williams, Gwyneth Agnes, B.A. (*Lond.*)  
 Williams, Mair Meirionwen, B.A.  
 Williams, Olwen, B.A.  
 Williams, Sybil Noreen, B.A.

The following College Diplomas were awarded in June, 1932 :—

*Diploma in Art.**Second Class.*

Maurice Tregear Chapple, B.Sc.  
 Norman Percy Hill Beeching, B.A.  
 Leonard Hinds, B.A.  
 Morris Gabriel, B.Sc.  
 Edgar Arthur Williams.

*Third Class.*

Rayda Jones.

*Diploma in Craft.**First Class.*

Betty Winfield Atkins.  
 Eirlys Enos.  
 Margaret Eirwen Jones, B.A.

*Second Class.*

Hilda Aubrey Thomas.  
 Mary Morgan Edwards.

*Diploma in Music.*

Irfonwy Virginia Jones.  
 Meiriona Jane Jones.

*Diploma in Biology.*

Percy Jenkins, B.Sc.

*Degree of M.A. :—*

Bertie George Charles	..	..	..	English, with distinction.
William Beynon Davies	..	..	..	Welsh Literature.
Owen Tanat Evans	..	..	..	French.
Hettie Vera Hall	..	..	..	Philosophy.
Leonard Sutton Higgins	..	..	..	Geography.
Ceridwen Mary James	..	..	..	English.
Matthew Henry Jones	..	..	..	Welsh History.
Thomas Rhoslyn Jones	..	..	..	English.
Eynon Lloyd	..	..	..	Economics.
James Ernest Sidney Orrin	..	..	..	Geography.
Muriel Edith Orsman	..	..	..	Geography.
Elwyn Lloyd Thomas	..	..	..	English.
Howard Williams	..	..	..	Philosophy.

*Degree of M.Sc. :—*

Mary Gwyneth Ashton	..	..	..	Botany.
Arthur Rhys Beddows	..	..	..	Agricultural Botany.
Edward Hubert Chater	..	..	..	Botany.
Samuel Evans	..	..	..	Chemistry.
Hugh Falkner	..	..	..	Applied Mathematics.
Richard Owen Jones	..	..	..	Chemistry.
Ronald Alfred Silow	..	..	..	Agricultural Botany.
Henry Tawelfryn Watkins	..	..	..	Agricultural Chemistry.
Sidney Bevan Watkins	..	..	..	Chemistry.
Brynmor Vaughan Williams	..	..	..	Pure Mathematics.

*Degree of Ph.D. :—*

David Gwynne Davies	..	..	..	Chemistry.
Hywel Oliver Jenkins	..	..	..	Chemistry.
Frank Herbert Peto	..	..	..	Agricultural Botany.
Tukaram Gopal Shirname	..	..	..	Agricultural Economics.

## GREEK.

MR. E. D. T. JENKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary ..	14	6	8	6
Intermediate ..	12	1	11	8
Subsidiary ..	4	—	4	3
Final .. ..	1	—	1	1
Hons. 1st Year	—	—	—	—
Hons. 2nd Year	—	—	—	—
<b>TOTALS ..</b>	<b>31</b>	<b>7</b>	<b>24</b>	<b>18</b>

The number of students in the Department shows no important variation from the numbers in recent years.

The *Elementary* Class at the beginning of the Session was the largest seen for some time, but several members had withdrawn before the end of the first term. One must regard such withdrawal as opposed to the true interests of those students of whom some knowledge of Greek is required as part of their professional qualification, as past experience shows that if the opportunity be neglected in the first session, study of the language tends to be postponed indefinitely.

*Intermediate.* Most of the Students in this class showed both industry and progress, though no one was of outstanding merit. A pleasing feature was the number of those who after having been unsuccessful in the preceding session were not on that account deterred from making further, and, in some cases, a more strenuous effort. For reasons pointed out in previous reports, most of the students at this stage—as at the *Elementary*—have genuine difficulties to surmount in the way of grammar and syntax, which call for the utmost application and perseverance. On that account the proportion of passes must be held to be very satisfactory.

*Subsidiary.* Of the students in this class two, who are reading for Latin Honours, made very good progress, while Mr. A. J. B. Higgins, a first year student, confirmed the favourable impression he had made by his work in the Scholarship Examination of April, 1931, and bids fair to give a good account of himself in Honours two years hence.

*Final.* Mr. John R. Jones (Mrs. Clarke Scholar) worked consistently throughout the year, in spite of some ill health, and the quality of his work in the Sessional Examination was such as to win favourable comments from the External Examiner.

As in previous years I desire to express my gratitude to those who have given me assistance in the Department, to Mr. P. K. Baillie-Reynolds Lecturer in Ancient History, and to Mr. A. M. Duff, who was appointed Assistant Lecturer in Classics at the close of last session. I am grateful also to Professor Bensly for delivering a course of lectures to the Final and Subsidiary classes on the principles of Textual Criticism.

The Head of the Department has continued to give help to the Principal in the proof-reading for the new edition of Liddell and Scott. He has also given instruction on special subjects connected with the Departments of Latin (Stoic Philosophy) and Modern History (Greek Political Ideas).

## LATIN.

Professor J. F. MOUNTFORD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Preliminary ..	25	8	17	12
Intermediate	36	2	34	25
Subsidiary ..	16	1	15	14
Final ..	8	1	7	7 (+ 1 from Hons)
Hons. 1st. year	3	—	—	—
Hons. 2nd year	6	—	6	1 (Cl. I). 1 (Cl. IIa). 3 (Cl. IIb.) 1 (allowed Final).
TOTALS. ..	94	12	79	64

Since 1928 the number of students in the Department has averaged 104; this year the number has fallen below 100. The chief differences are in the Intermediate and Subsidiary Courses. So far as the Intermediate is concerned, the imminent abolition of the Modified Course was an incentive last session to many students to complete the one Latin course which was a pre-requisite to Honours in other Departments; furthermore, other Departments have refused to encourage students to take Honours who have not shown reasonable promise of completing their Latin requirement; in consequence of these two factors, the Intermediate Course has contained fewer 'repeat' students than ever before, and I hope that this healthy state of affairs will be permanent. The Subsidiary Course was smaller because few of the students who came up to College with a higher Certificate in Latin were inclined to continue their Latin studies; the result will be found in small Final and Honours classes during the next two years.

In the *Preliminary* Course, those who pursued their work seriously made fair progress; several of them should be able to pass the Intermediate examination in September.

The students in the *Intermediate* Course were as a whole satisfactory and there should be few who will not by the end of September have passed the course or secured a certificate of proficiency in translation.

The *Subsidiary* Course did very good work; but only four of the students will be continuing their studies in this Department.

The members of the *Final* Class all passed the University examination, and Mr. G. Lewis and Mr. A. J. Roderick did so with unusual ease.

*Honours Course.* Of those who took the University examination in June, Miss L. M. Billingham, who has made steady progress throughout her course, was placed in Class I.; Mr. L. J. Saer was placed in Class IIa.,

and with better health he might have achieved an even better result. Three others did creditable work and the examiners had no hesitation in placing them in Class IIb. One student suffered the inevitable penalty of gross neglect of work and was allowed a Final. The first year Honours students show promise.

*General.* During the session, Mr. Baillie Reynolds has continued to give his loyal co-operation. Mr. A. M. Duff, who joined the staff this session, has proved himself an excellent teacher and a very popular colleague. Mr. E. D. T. Jenkins has kindly given instruction to an Honours student in the Stoic philosophy. Professor Bensly delivered lectures on Textual Criticism during the first term to the Honours class.

During the Easter vacation Miss N. Rees of the first year Honours Class and Miss K. Hall of the Final Class were enabled to visit Roms with grants from the fund for Travelling Scholarships. During the summer vacation two other students of the Honours Class, Mr. D. A. Thomas and Mr. G. O. Williams will also visit Rome.

Mr. Baillie Reynolds is preparing his final report on the excavations he undertook at Caerhun. Last summer he was engaged in the excavations at Verulanium and will be there again this summer. Mr. Duff is at work on an edition and translation of some minor Latin poets. I have continued to assist the Principal in proof-reading for the new edition of Liddell and Scott. The article on the scholia of the Codex Bezae Cantabrigiae of Terence to which I made reference last year is finished and ought soon to be published.

In this my last report as Head of the Department I desire to record the pleasure it has been to me to work in Aberystwyth and to express my appreciation and thanks for the ready help and kindly co-operation I have received from colleagues in all Departments.

### GERMAN.

MR. DAVID EVANS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
2 Science Classes	41	—	—	—
Intermediate ..	57	11	46	36
Subsidiary ..	20	2	18	17
Final ..	10	2	8	6
Hons. 1st yr. ...	4	—	—	—
Hons. 2nd yr.	2	1	1	1
TOTALS ..	134	16	73	60

The number of students in the department has increased this year so much that difficulties have arisen in finding hours suitable to both students and teachers. Two hours of the Intermediate and of the Subsidiary courses had to be duplicated, but it is hoped that this will be avoided next Session by a slight re-arrangement of the time-table and with the additional teaching assistance of Dr. Schenk for the Michaelmas and Lent terms.

The work of the session was very satisfactory and many students at the Intermediate and Subsidiary stages showed considerable promise for the future. Up to the present very few candidates have been received from the schools with any knowledge of German at all, so that practically every one begins with the alphabet, but with the gradual and steady increase of German in the Secondary Schools, we can expect bigger Final and Honours classes very soon. The influence of the schools is already felt in the increase shown in Cardiff.

The Final Class did very creditable work with the exception of two, who failed to satisfy the examiners, and Mr. Leslie Morgan was placed in Division I of Class II. at the Honours stage. Mr. Handel Bowen Edwards, who holds a studentship and has been pursuing his research work at Munich for a part of the session, will return as part-time assistant in the department next session.

Mr. David Evans gave several lectures locally during the winter terms and a course of lectures at Coleg Harlech Summer School in August, 1931. Dr. Purdie, of Bangor, delivered four very interesting lectures on Dramatic Technique in the department under the University Interchange of Teachers' scheme, and four lectures were given by Mr. David Evans on the *Novelle* in Bangor under the same scheme.

I have to acknowledge with gratitude, the advice of Professor Parry-Williams with respect to some publications, the loan of the lantern in the Physics Theatre for certain lectures in the department, the lectures of Dr. A. B. Thomas on Phonetics to some of my students, and the loyal and hearty co-operation of Dr. Schenk and Miss Hermia Rees at all times.

### FRENCH.

PROFESSOR J. L. ANDRE BARBIER.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Elementary ..	8			
Intermediate ..	29		29	21
Subsidiary ..	35	1	33	29
Final ..	4		4	2
Hons. 1st yr. ..	12			
Hons. 2nd yr.	12	1	11	11
TOTALS ..	100	2	77	63

The work and progress of students of all grades were very satisfactory, and the percentage of passes at the University degree examinations, especially at the Intermediate and Subsidiary grades, was exceptionally high. Of the eleven students who were presented for Honours, three obtained a first class; they were Miss Olive Mary Harries, Miss Margaret Eiddwen Price and Mr. Tom Pugh Williams; five were placed in the first division and the other two in the second division of the second class.

Thirteen candidates, including all the Honours candidates, and two students who qualified for the degree of B.A. last session, were granted the Certificate of Oral Proficiency in French.

One student passed successfully the Preliminary examination for the degree of M.A.

Mr. Owen Tanat Evans completed his scheme of study for the degree of Magister in Artibus, and presented in June a dissertation on "The origins and milieux of the Parnasse." The examiners recommended that he be admitted to the degree of M.A.

Seven past students are now actively engaged in the preparation of M.A. dissertations, and I hope that several of them will present themselves for examination in the course of next session.

Two students who pursued last session the first year of the Honours course in French spent the whole of this session in France, one at the University of Lille, and the other as English Assistant at the College de jeunes filles at Riom. They will return here to complete their Honours course next session.

Miss Nesta Cledwyn and Mr. Jack Killa Williams were awarded University studentships last summer, and were in residence here this session. Both made good progress with their research work, the results of which will appear, I hope, in M.A. dissertations next June.

Seven students were awarded Travelling Scholarships in June, 1931, and were thus enabled to spend their long vacation in various parts of France. Seven again were awarded Travelling Scholarships this June. May I express to the generous donors the gratitude of my colleagues and my own for the invaluable benefit received in the department of French from these Travelling Scholarships.

A considerable amount of research work has been carried on in the department during the present session. Miss Margaret Phillips is finishing the important work which she will present for the Doctorate of the University of Paris. There were published during the session an article by Miss Margaret Phillips on "Sainte-Beuve's criticism of English prose-writers" (*The French Quarterly*, September, 1931), and two articles by Mr. Jack Killa Williams, one on "The Ecstasy of Gustave Flaubert" (*The French Quarterly*, March and June, 1931), and the other on "A disputed reading in 'Aucassin et Nicolette'" (*The Modern Language Review*, January, 1932).

To my colleagues, Miss E. Margaret Phillips, Dr. A. B. Thomas and Mr. Victor Delemar, I desire to express my great indebtedness for their unflinching support and valuable assistance.

### PHONETICS.

DR. A. B. THOMAS.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking Exam.	No. passed.
College Test ..	34	7	21	8

A course of lectures on General Phonetics was delivered, and classes were held in transcription of English, French and German. The some-

what disappointing results of the examinations are due mainly to irregular attendance. Mr. J. Killa Williams, B.A., has shown an interest in Experimental Phonetics and spent some time working in the laboratory. A good microphone, a three-valve low-frequency amplifier and pick-up have been purchased and installed. In this connection, I wish to thank Mr. R. M. Davies, of the Physics Department, for expert advice. I am also indebted to M. Delemar and Dr. Schenk, and Mr. Gwenallt Jones, for their illustrations of the sounds of their respective languages.

### ENGLISH.

PROFESSOR J. W. H. ATKINS.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Intermediate ..	55	—	55	45
Subsidiary ..	50	—	50	42
Final ..	34	—	34	29
Hons. 1st yr. ..	14	—	14	14
Hons. 2nd yr.	13	—	13	13
TOTALS ..	166	—	166	143

During the past session the usual courses have been given, and the year's work has on the whole produced results of a satisfactory kind.

With regard to post-graduate studies in the first place, I have to report that four former students have been awarded the degree of M.A. Of these, Mr. B. G. Charles, B.A., who for two years has held a University Studentship, was granted the degree with distinction; and his dissertation, *Norse relations with Wales*, represents a definite contribution to knowledge, well worthy of publication. He has since been awarded a University Fellowship, and his intention is to work for the next two years at the place-names of Pembrokeshire. The other dissertations were as follows:— Miss Ceridwen James, B.A., *William Morris's Translations from the Old Norse*; Mr. T. Rhoslyn Jones, B.A., *Bagehot as a literary critic*; Mr. Elwyn L. Thomas, B.A., *The Poetry and Prose of Thomas Traherne*, all of which were deemed to have attained the requisite M.A. standard. I might perhaps add that Miss Vivian Cutting, B.A., another former student of the department, has recently been appointed Senior English lecturer at Southlands Training College.

The Honours Class this year was well up to the average in quality; and the degree results were highly satisfactory. Out of 13 candidates, one, Miss Anne Mary Jones, was awarded a first class, nine were placed in Class II., Division 1, one in Class II., Division 2, while two were awarded the third class.

Of the First Year Honours students, fourteen in number, all were successful in completing a satisfactory year's work, while distinct promise was shown by Miss Ceinwen M. Jones and J. W. Hopkins.

At the Final Stage, out of 33 students, 29 were successful in completing the course; at the Subsidiary stage, out of 50 candidates, 42 passed the College examination; while at the Intermediate stage, out of 57 candidates, 47 were successful.



As in previous years, short courses of lectures on French and German Tragedy were given to the Honours Class during the session by Professor Barbier and Mr. David Evans, and their assistance was much appreciated by all.

In conclusion, I wish to record once again my appreciation of the services rendered to the department by my colleagues, Miss Winstanley, Mr. Earnshaw, and Mr. Palmer. All alike have been unsparing in their efforts to make the work of the department a success, and their loyal and unfailing co-operation is something to be greatly valued.

### HISTORY.

PROFESSOR R. F. TREHARNE.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Occasional students (attending Final Course) ..	2	—	—	—
Intermediate ..	63	—	63	50
Subsidiary ..	47	—	49	48
Final ..	26	—	29	24
Hons. 1st yr. ..	10	—	10	9
Hons. 2nd yr. ..	9	1	8	8
Prelim. M.A. ..	1	—	1	1
Research ..	1	—	—	—
TOTALS ..	159	1	160	140

There is a considerable increase in the number of students taking examinations in the department, quite apart from the addition caused by the new rule compelling First Year Honours students to take the Final examination. The increase, which is partly set off by an appreciable fall in the numbers of the Subsidiary class, occurs mainly at the Intermediate stage.

The *Intermediate* Class was again disappointing. A. J. B. Higgins did good work, but although only thirteen of the sixty-three candidates failed in June, the work of some twenty other students was so poor as to deserve a marginal pass or very little more, and the average level of the work of the whole class was very poor. The course is an extremely difficult one, from the examination point of view, for all students who have not had a very good grounding in general history before entering the College, and it also requires an immense amount of independent reading. These two facts, together with the need for considerable practice in written essay-work, make it especially severe on the mature matriculants, who attend this course in large numbers, but who are often ill-equipped for dealing with a syllabus of such immense scope. If ever staffing arrangements permit, this scope of the course will be reconsidered, and drastic changes may be found necessary.

The *Subsidiary* Class was not, on the whole, as good as last year's, for though only one candidate failed in June, the average level of the class as a whole was merely ordinary; there were many bare passes, and no one reached the high level of the best four or five of last year's students, though Trefor P. Lewis, R. K. J. Grant, and D. G. Stevens

did some very good work, and Ivor Walker, Kathleen L. Lawrence, and Susannah Watkins also deserve commendation. As last year, students intending to proceed to Honours next session have been formed into an essay class, in which very good work has been done by T. P. Lewis, R. K. J. Grant and D. G. Stevens. This class has enabled us to eliminate one or two applicants unsuitable for Honours, and has also greatly widened and deepened the scope of the work done by the best members of the group; but most important of all, the regular practice in writing essays and the detailed criticism afforded by this method have greatly improved the work and outlook of two or three students who came to us quite untrained in independent reading and in original written work, but who were sufficiently sound, intelligent, and hard-working to profit from personal guidance and supervision. At this stage the essay class is invaluable, especially for students in their first year in College.

The *Final* Class also was somewhat less satisfactory than last year's, though of the six candidates who failed, two sat as external students. But the chief complaint is the low quality and the dull mediocrity of the work of many students who passed the examination. Mr. J. H. Beynon and Miss Maire O'Shea did good work, and the creditable performance of Mr. E. Haydn Jones (a mature matriculant) is also worthy of mention.

The *Honours* students were, in sharp contrast to the Pass students, almost entirely satisfactory. The *First Year Honours* group is extraordinarily strong, Messrs. A. W. Rees, A. J. Roderick, I. J. Saunders, and Miss R. M. R. Sutton having done uniformly first class work, and Mr. J. M. Davies frequently touching the same level. Of the other five of this group, only one has been unsatisfactory, and will not proceed to Honours next year; the remaining four are all sound workers of good quality, and the group, containing no weaklings, promises excellent achievement next year.

The *Second Year Honours* group, excepting Mr. F. R. Lewis, was not considered a strong body early in the session, but during the year nearly all of these students improved so steadily that the degree list—one in Class I., four in Class IIA., two in Class II.B., and one in Class III., proved much better than our original expectations. The interest fostered by the study of the special subject under close personal guidance, and the zeal evoked by the preparation of individual undergraduate theses, are important factors in this general improvement. The work of Mr. F. R. Lewis, which was of an extremely high quality throughout the session, especially merits commendation.

*General.* (1) Our scheme of reorganisation began to operate this session, and so far seems to have justified itself. The substitution of the outline course in Modern European History for the more advanced and detailed course in Medieval English History at the Subsidiary stage, has provided a syllabus more within the powers of students who are at the beginning of serious historical study, and has postponed the more technical and difficult material to the Final stage, though the syllabus for Final students will not change until next session. The large sum spent last year on historical wall-maps has already been put to good use in the outline courses at the Intermediate, Subsidiary and Final stages, and even in certain special subject classes at the 2nd year Honours stage, and we are now considering a scheme for making these maps available for private study by Honours and other students desiring to use them. In this way we hope to meet the criticism of the external examiners that our students are often ignorant of physical geography; already I have noticed a very marked increase in the use of maps in answers to questions on the Intermediate and Subsidiary papers. The maps are proving a most valuable asset in our departmental equipment.

(ii) A very distressing feature of this year's work has been the disappointment caused by the low general average of the work of the pass students, especially when contrasted with the way in which our Honours students exceeded our expectation. The difference is not merely a matter of technical equipment, but of intellectual approach and development. All but the very weakest of our honours students have an interest in their work far transcending the examinations and results; they know how to pursue a definite course of independent reading going far beyond the limits of the text-book minimum which generally will suffice for examination purposes; in examinations they seriously attempt to answer the questions asked, they show considerable independence of judgment and rely on their own intelligences, and they are generally quite competent in the written expression of what they wish to say. But the mass of pass students is very different. Perhaps a quarter or a third of each pass class can tackle an examination paper intelligently, showing their knowledge to the best advantage and answering with discrimination and understanding; but this element is almost entirely composed of candidates for honours in other schools. The rest of the pass classes is characterised by a completely utilitarian subordination of everything to the June examinations; unwillingness to read anything beyond the text-book, a demand for the easy, over-simplified, elementary text-book, a refusal to use maps, a reliance on lecture-notes exposed by garbled quotations, ill-spelt proper names and technical terms, a serious inability to use English with even moderate competence, and a complete failure to answer the questions set in examination papers. Excluding from this large group the small minority of misfits with whom nothing can be done, even though they have luckily managed to escape through the meshes of the examination net, we are left with something like a half of each class, or even more, who are merely being turned into ready-made inferior historical gramophones by the mass-manufacture methods of lecture-notes, cheap text-books and examinations. The fact that many of these people become teachers of history in secondary and central schools makes the danger all the greater. This is not a problem peculiar to our College; it is experienced by teachers of history in every University institution, though in varying degrees.

Part of the remedy may be found by introducing a more limited syllabus for pass students at the Final stage, instead of compelling them, as at present, to undertake the same lecture-courses as the First Year Honours students. This highly desirable reform, however, would require the institution of new courses for pass students only, and cannot at present be contemplated. Moreover, it would affect Final students only, and most of the mischief is already done before that stage is reached. The chief need is for personal supervision and guidance in essay groups (of ten or twelve students in each group), of a kind somewhat similar to those employed for the training of Honours students; members of these groups would be given a personal, instead of a merely general, guidance in their reading, which would be thoroughly tested in fortnightly written essays; thus they would be trained both in reading and writing, and we would see a vast improvement in their thinking and understanding—in short, we would hope to effect an important change in their intellectual outlook on History. The History Department cannot, however, introduce a tutorial system for the non-honours students or even provide the personal supervision of their work which is found possible in other Arts Departments unless the number of the teaching staff is increased; I regard this as a really urgent need.

*Research.* The only research student in History this year has been Miss A. B. Jones, who is working under Professor E. A. Lewis. I propose to commence post-graduate courses on research methods in Medieval History next session, particularly in the methods of using chronicles and

record material. This work will depend partly on the resources of the National Library, and partly on the small nucleus of the thirteenth-century seminar library at present collected in my room, where both undergraduate and postgraduate students in Medieval History are taught the handling of historical sources and are allowed to consult this material independently.

Once more I must record my most sincere thanks for the abundant help given to me by teachers in other departments. Without the participation of the Principal, of Professors Chapple and Roberts, the Rev. H. Morgan, and Mr. P. K. Baillie Reynolds, the Intermediate course as we now know it, would be impossible. Mr. E. D. T. Jenkins has given us invaluable help by providing the Greek portion of our second year Honours course in the History of Political Ideas, and Mr. J. Morris by undertaking the Economic History course for the same group of students. Mr. P. K. Baillie Reynolds admitted one of this year's second year Honours students to his special subject class on Roman Britain, and Professor E. A. Lewis accepted six of the Final History class for his course in Welsh History. In thanking Professor Webster for conducting the first term's work in the Modern European special subject for Second Year Honours students, I must also express my regret that this subject will no longer be available for my students in future years. Professor T. S. Roberts, in addition to his special subject work for History students desiring to specialise in Colonial History, continues to take the Modern British History course for Final and First Year Honours students. Professor Barbier has continued and extended the most valuable facilities and special attention which he gives to my students in his department. To all of these teachers I tender my most sincere thanks for their co-operation; without it the department could not perform much of its necessary work.

Mr. Herbert delivered a course of lectures at Bangor under the University Exchange Scheme and has lectured at W.E.A. week-end schools at Tonypany, Gorseinon and Pontardawe, at a League of Nations Union vacation school at Cambridge, and also at the London School of Economics. I have lectured at Coleg Harlech and to the Manchester University Historical Society. As a delegate of the College, I attended the Anglo-American Conference of Historians in London in July, 1931, and a motion which I put forward there, proposing the organisation of methods of co-operation between historians, geographers, and archaeologists, was adopted as the subject of discussion at this year's conference (July 1st, 1932), where I have proposed certain definite bibliographical measures for ensuing effective co-operation.

In conclusion, I cannot sufficiently thank Mr. Herbert for the enthusiasm and loyalty of his service to the department; his energy, zeal and initiative are invaluable in its work, both in teaching and in the delicate work of advising students. His suggestions of new enterprises have been most welcome and useful, and the department of History owes much to his work.

## COLONIAL HISTORY.

PROFESSOR T. STANLEY ROBERTS.

During the year a few lectures were given to the Intermediate Class on Colonial History. Regular classes were held for Honours students for discussing problems in European and British Constitutional History.

Three candidates took the History of Canada as their special subject for the Honours degree. Two of these were placed in Class II., Division 1, and one in Division 2.

The change made a few years ago, which eliminated the Final course in Colonial History, has not proved satisfactory.

*Publication by former student.* This year, C. Collin Davies, Ph.D. (Cantab.), late Captain 2/1st K.G.O. Gurkha Rifles, lecturer in Indian History, School of Oriental Studies of the University of London, has published "The Problem of the North-West Frontier, 1890-1908, with a survey of policy since 1849." Captain C. Collin Davies served in India from 1915, when he "joined up," to 1922. He was permitted to sit the Final examination in India. In 1923 he obtained First Class Honours in Colonial History, and proceeded to Cambridge.

## WELSH HISTORY.

PROFESSOR E. A. LEWIS.

I began my work in the Sir John Williams Chair of Welsh History in October last, and, with the exception of some weeks researching at the Public Record Office, London, was in residence at Aberystwyth throughout the session.

*Degree Courses in Welsh History.* The number of students requiring Welsh History for the purpose of their degree schemes of study in the History Department was surprisingly small. Six students, however, selected *Wales under the Tudors* as a special period for one of their papers at the Final stage. The majority of these had made no previous study of Welsh History as such, consequently, the bulk of the first term was devoted to a study of the background necessary to appreciate the more salient changes effected in Wales under the Tudors. The group worked consistently throughout, and the essay work was interesting and good. Of the five successful candidates in the University examination in June, Mr. J. W. Beynon presented work of high quality and distinct promise. From my experience this session, it is clear, in order to place the study of Welsh History in the College on a reasonably satisfactory basis (say something comparable to what it was twenty years ago!), that general courses on the "Outlines of Welsh History" will have to be organised at an earlier stage, either as an integral part of the existing history scheme of study, or as an extra requirement for students proposing to include Welsh History in their Final or Honours schemes of study in the History Department. Probably such general courses would also meet the needs of students (a) of the departments of Welsh and Welsh Literature, (b) of the Training Department proposing to teach in Wales, and (c) students interested in the History of Wales for its own sake.

### *Postgraduate Research.*

(1) Mr. Matthew H. Jones, B.A., a former Honours student of the Welsh Department, was admitted to the degree of M.A. for a sound and careful dissertation on "The Life and Letters of Christopher Love, 1618-51." Mr. Jones began his study some years ago at the suggestion of the late Principal J. H. Davies, and was also advised at later stages of his inquiry by Professor T. Gwynn Jones.

(2) Miss A. B. Jones, B.A., during her second year as holder of a Sir John Williams Research Scholarship, continued her study on *Work, wages and prices in Wales during the Sixteenth Century*. Miss Jones has assembled a good deal of interesting and valuable data—some from hitherto unpublished MSS. at the National Library of Wales, and the Public Record Office, London, and hopes to submit an M.A. dissertation in the near future.

(3) *Palaeography Class.* Four postgraduate students—all holders of Research Scholarships, attended the weekly classes in Palaeography. All four made satisfactory progress.

*Seminar Research Library in Welsh History.* A catalogue of the books in the College Library dealing with the History of Wales was partially completed during the session, and in this connection I beg to acknowledge the willing assistance rendered by Miss Felstead. Some steps, too, were taken to bring together the nucleus of a Seminar Research Library in Welsh History, which is at present housed in my private room and at No. 9, Marine Terrace. My best thanks are due to the National Library authorities for several valuable donations, including a complete set of the West Wales Historical Records.

*Personal Research.* By way of a tentative beginning on a survey of some of the unpublished sources of Welsh History, I have initiated (1) a survey of the Welsh Record Evidences now preserved among the various MSS. collections at the National Library of Wales, and (2) a survey of the Judicial Proceedings relating to Wales during the Sixteenth Century at the Public Record Office, London. During the session I have also completed a detailed analysis of the Port Books of Cardigan (1678-1709) for publication (when finances permit) in a forthcoming volume of the Cardiganshire Antiquarian Society.

## ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR R. B. FORRESTER.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Subsidiary ..	66	2	61	51
Final ..	51	2	50	46
Hons. 1st yr. ..	(14)	—	—	—
Hons. 2nd yr.	11	—	11	11
Econ. History..	10	—	10	10
Postgraduates..	2	—	1	1
TOTALS ..	140	4	133	119

### *Progress of Classes.*

The number of students pursuing the various courses in the Department (140) shows a slight increase, but the table indicates that the increase was considerable in the Final and Honours stages.

The Subsidiary Class (66) did, on the whole, reasonably good work and there were several members who showed distinct promise and a decided taste for this subject. An interesting feature of the class was the presence of a number of adult matriculants; this subject will always attract such candidates to a special degree and attention is being given to their peculiar difficulties with ordinary examination tests. Mr. J. H. Morris has devoted special attention to this class, both by means of holding tutorial groups and by direct interview. The various alternative courses offered at the Final stage were taken by no less than 51 students; of these 38 took Economics Final, seven Politics and Economics,

and six Final Agricultural Economics. The record of this class was very good and many of its members have built up a sound background for further economic studies. The number taking Statistics (23) was the largest in the history of the Department; this is due to the excellent work which Mr. Percy George has done in this field and to the growing realisation of the usefulness of this subject in social, economic and business inquiries.

There were 11 candidates in the Honours Classes, of whom one was taking Economics with Agricultural Economics. They were a notably steady team with a very high average; two, Mr. Graham Hopper and Mr. R. A. Smith, were placed in the First Class, and no less than 7 were placed in Class II., Division I. I think this Class will wear very well when it goes out into the business of life.

Two postgraduate research workers were in touch with the Department during the session; Mr. Eynon Lloyd presented his dissertation and has been awarded the degree of M.A. His subject was "Robert Owen and Social Legislation," and his thesis was notable for the large amount of careful and detailed work upon unpublished data which he had carried out in the course of his studies; it is to be hoped that Mr. Lloyd may be able to prepare much of his work for publication as it would be of great value to Economic Historians and to all interested in the social history of the 19th century. Mr. E. Mansel Jones (a former Honours student of the department) continued his work upon Demand and Consumption of Wealth and collected much interesting material upon consumption per head of population of the various foodstuffs. Dr. Brinley Thomas, who is now Assistant Lecturer in Economics at the London School of Economics and Political Science, has been awarded the Hutchinson Research Medal for his work on "Labour Mobility in South Wales." He has been invited to carry out an investigation into the causes of the economic collapse in Central Europe.

#### *Staff.*

Mr. Percy George has achieved the well-merited distinction of being appointed a Rockefeller Foundation Fellow and, having been granted leave of absence, proceeds for a year to the United States, where he will examine at first hand those aspects of economic and statistical studies which have been specially developed in that country. This award is, of course, an honour to the College and the University and the experience of American conditions which Mr. George will obtain should be both useful and stimulating for the growth of economic study in Wales. Miss Marian E. A. Bowley, B.Sc. (Econ.), has been appointed Temporary Assistant Lecturer for the Session 1932-33, in the absence of Mr. George. Mr. George delivered a series of lectures at Bangor under the interchange of teaching scheme upon Economics and Statistics at the beginning of the summer term. Mr. J. H. Morris has begun his work for the degree of M.Sc. (Econ.), London, and for his thesis he is studying the Woollen Industry of the West of England between 1760 and 1830.

My period of office as Deputy Chairman of the Milk Distributive Trade Board for England and Wales has now been completed. I have been nominated as President of Section F. (Economics and Statistics) of the British Association for the Advancement of Science and shall deliver my Presidential address at the York meeting. I have also been nominated as a member of the Council of the British Association. A list of my publications is given later in this Report.

As both Mr. Morris and myself were newcomers to the Department in October last, it is obvious that we have been deeply indebted for advice and assistance to Dr. E. A. Lewis, the former head of the Economics Department, and to Mr. Percy George; this has been freely given and has greatly facilitated the change over. There were no changes of principle involved in the well-established economic curriculum, although naturally changes of detail and emphasis follow the alterations in staffing arrangements. A few questions which arise out of the considerable and successful development of economic studies in the College appear to be due for careful consideration. The arrangement concerning the teaching of the more foundational aspects of Political Science seems to require attention; the relation of extra-mural teachers of Economics to the internal teaching of the department is worth examination as some arrangement may be possible which is helpful to both sides. Professor A. W. Ashby and myself are giving consideration to suggestions which it is hoped will strengthen the relation between two closely allied fields of study. Economics and Agricultural Economics. Mr. Morris also hopes to develop the present Honours course in Economic History to suit the needs both of students of economics and of history. None of these are new matters, but the time seems opportune to consider whether a useful step forward may be taken.

The policy of centralising the work of the Department at No. 9, Marine Terrace, begun by Dr. E. A. Lewis, has been developed during the present year. The Departmental Library and the Periodicals' Reading Room have both grown in the amount of literature available to students; special attention has been paid to current work in the United States, Germany and France. The Statistical Library and laboratory have been increasingly used and the equipment has been extended. An important advance was the provision by the Council of clerical assistance; this has permitted of an extended use of library facilities, the preparation of statistical material for classes, the use of diagrams for teaching purposes and so on; in fact it is difficult to see how the present advantages extended to students in the Department could be continued unless with such help.

In closing my first report, I feel compelled to state how much I have been impressed with the excellence of the standards and traditions which my predecessor, Dr. E. A. Lewis, has built up in this Department, I feel privileged to succeed to such a heritage. My cordial thanks are due to my colleagues, Mr. Percy George and Mr. J. H. Morris, for their loyal help. Mr. Morris has taken his place most successfully in the work of the Department in his first year. I am also indebted to Dr. and Mrs. Vranek and to my colleagues in the Department of Agricultural Economics for their co-operation. I take this opportunity of welcoming Miss Bowley to her first academic post.

My last word is for the students themselves; a new teacher is always a risk and I have been happy to see the friendly relations which have grown up so rapidly between us; no body could have been more responsive to the efforts made to introduce them to the wide range of economic studies.



## INTERNATIONAL POLITICS.

PROFESSOR C. K. WEBSTER.

I was in residence during the Autumn term and gave a course of public lectures on "Some Aspects of the World Crisis," which was well attended. The usual courses on International Organisation and Comparative Government were continued as well as the course on Diplomatic History.

Dr. and Mrs. Vranek were reappointed for two years. Unfortunately, Mrs. Vranek had a serious illness which incapacitated her during the Lent and Summer terms. Dr. Vranek, however, carried on the work of the Department with great success, and I am much indebted to him for his zeal and energy under such trying conditions. The number of students has not increased, but all taking the Final Course passed, as also the single student taking Honours. The Library has been increasingly used and the valuable collection of documents is growing rapidly. No Wilson studentship could be given owing to lack of funds.

In December I gave a course of public lectures at the University College, Swansea, and gave other lectures at Coleg Harlech and elsewhere. Mrs. Vranek was a Tutor at the Coleg Harlech Summer School, and Dr. and Mrs. Vranek were tutors at the Geneva School of International Studies. In addition to other public addresses, Dr. Vranek gave a series of addresses on Central European Problems in the West of Scotland under the auspices of the West of Scotland League of Nations Union. During the session Dr. Vranek represented me at two meetings of the British Co-ordinating Committee for International Studies. He has been appointed Editor of the British section of the Lexicon of Political Terms.

In September, 1931, I attended the Assembly of the League of Nations. From February to June, I was at Harvard University where I lectured on British Foreign Policy and also gave a number of lectures on Nineteenth Century history, including the Great War and the Peace Treaties. On my relinquishing my position as Professor of History at Harvard, the Corporation were good enough to make me an Honorary Associate of Adams House. I visited Washington, as usual, and other American cities, and lectured for a second time to the American Naval Academy at Annapolis.

It is with the greatest regret that I sever my connection with the College as a teacher. I shall always be grateful for the opportunities afforded to me while I was the holder of the Wilson Chair and the kindness and good fellowship of my colleagues and students. Much of my work has necessarily been done away from the College, but the time of residence at Aberystwyth and in Wales has been profoundly interesting and stimulating. While it was impossible to expect large numbers of students to specialise in the Department of International Politics, there has always been a number of keen workers and their influence has, I believe, spread in Wales as a whole. This part of the development of the work of the Department we owe especially to Mr. Sydney Herbert, and Dr. and Mrs. Vranek have proved worthy successors to him. Much interest has been shown in the subject by the College and the attendance at the public lectures has exceeded my expectations. The Library has been made by the Secretary-Librarian, Miss Morris, into a valuable instrument of teaching and research. Above all the people of Wales have shown a very special interest in the objects of the Chair. It has indeed been impossible for me and my colleagues to satisfy all the demands made upon us by them. I am confident that with their support and that of the College, the Department can prove of increasing advantage to Wales in the future.

## WELSH.

PROFESSOR T. H. PARRY-WILLIAMS.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Intermediate ..	35	—	33	27
Subsidiary ..	34	1 (left College).	32	26
Final ..	} 21	—	21	18
Hons. 1st yr. ..		—	(1 externally)	
Hons. 2nd yr. ..	6	—	6	6
Postgraduate ..	1	—	—	—
TOTALS ..	97	1	92	77

There was again this year an increase in the number of students attending courses in the Department. The usual courses were given, and the results were, on the whole, quite satisfactory.

*Intermediate Stage.* As in recent sessions, the Intermediate Class this year included a number of "mature matriculants," the majority of whom, although handicapped in some respects, made good progress. There were few students of great promise. Mr. John Davies was easily the best student in the Class.

*Subsidiary Stage.* The class at this stage as usual included several first-year students, some of whom will proceed to Honours in their third year. The work of the class, as a whole, produced highly satisfactory results. The following students excelled: Miss Annie Avarinah Jones, Miss Ethel M. Davies, Miss Avarinah M. Evans, and Mr. T. R. Lloyd.

*Final Stage.* The work done by this class, as a whole, during the session was of consistently good quality. The class included some First Year Honours students, who will proceed to Honours next session. Mr. T. S. Davies and Mr. H. V. Morris Jones were the outstanding students.

*Honours Stage.* All the First Year Honours students pursued the Final Course and passed the University examination in June. In addition, they all pursued courses of Honours grade in preparation for next session.

The Second Year Honours class was exceptionally good this session. It is not often that so many students of such outstanding merit take Honours in the same year. Mr. Thomas Jones, B.A., who obtained a First Class in Latin Honours last session, obtained a very good First Class; Miss Emiah J. Thomas and Mr. H. Meurig Evans, whose work at all stages up to Honours had shown great promise, were also placed in the First Class. Miss Mair Irene Rees, who also did very creditable work, was placed in the First Division of the Second Class; and so also was Miss Elizabeth Jones, who during the session made very rapid progress. Mr. Ivor Gwynfil Rees was placed in the Second Division of the Second Class. The performance of this class was exceptionally gratifying.

*Postgraduate work.* Mr. J. J. Glanmor Davies, B.A., who holds a Sir John Williams Studentship for the first year, has been pursuing his researches very assiduously and with satisfactory results. He is making a systematic (grammatical) survey of the Welsh spoken in the New Quay district.

The work of Mr. Thomas Hevin Williams, M.A., on the place-names of Merionethshire, referred to in last session's report, is to be published in the forthcoming volume of *Y Cymmrodor*.

Direction was given to some past students who are elsewhere doing research.

Early in the third term, under the exchange of University Teachers' Scheme, Professor Ifor Williams, of Bangor, at the invitation of the Department, delivered a most interesting course of lectures on Early Welsh Poetry.

Mr. Thomas Jones, B.A., to whom reference has been made above, has been recommended for a University Studentship, and Mr. Dewi M. Ellis, who obtained First Class last year, has been awarded a Sir John Williams' Studentship. Mr. Arthur ap Gwynn, M.A., a former student of the Department, has been appointed College Librarian.

The Department is very grateful to Mr. Davies-Bryan for a very valuable gift of books to the Departmental Library.

Lectures were delivered by the Head of the Department and Mr. Gwenallt Jones to various societies; some adjudicating and reviewing work was done, and articles (of a general nature) contributed to periodicals, in addition to other (academic) publications. Mr. Jones's work on *Yr Areithiau* is to be published by the University Press Board. He is now engaged on other pieces of research. *Canu Rhydd Cynnar*, by the Head of Department, appeared during the session.

I desire again this year to express my gratitude to my colleague, Mr. Gwenallt Jones, for the valuable help he has given in teaching at all grades, and for his loyal support in the work of the Department generally.

## CELTIC RESEARCH AND PALAEOGRAPHY.

MR. TIMOTHY LEWIS.

Two courses of lectures on Palaeography were delivered during the session—an elementary and an advanced course. The advanced course was based upon the Black Book of Chirk, Codex of the Laws of Hywel Dda.

The text of this Chirk Codex is now in the press for publication. It was published about eighty years ago, but the text was of very little use for the purpose of modern research. It is hoped that the provision of a diplomatic text of this, the oldest, the most important and most difficult text of native Welsh law, will lead to renewed interest in this field.

Another volume on the *Mabinogi* is in active preparation. This extends the field of research covered by the volume published in 1931 and consolidates the results obtained in that volume.

One graduate worked during the session on Welsh Lexicography and I anticipate valuable results from his researches. The negative results of his work are as valuable as the positive results for he has succeeded in clearing the ground of a great deal of ill-founded speculation. Another student has been working on the early relations between Scandinavia and Wales and the results of his research have deservedly won high praise.

## WELSH LITERATURE.

PROFESSOR T. GWYNN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Final, including 1st yr. Hons.	6	—	6	5
Hons. 2nd yr. and Preliminary M.A.	3	—	3	2
Special Course	1	—	—	(No Examination.)
TOTALS ..	10	—	9	7

Some students of the Language Department attended the classes in the Final Stage. A graduate of another University pursuing the Honours course, and a student preparing for the Preliminary M.A. examination, also attended the Honours Class. Very effective work was done during the session by the students in the Final stage, and the result of the Sessional examination was highly satisfactory. In the Honours stage, Mr. Maldwyn Jones was placed in the First Class, and Miss Elizabeth Jane Griffiths in the First Division of the Second Class.

Miss Eirlys Evans, B.A., who received a grant from the Sir John Williams Fund, has unfortunately been suffering from ill-health during the Session, but has completed a very thorough inquiry into the literary history of the 18th century.

Mr. W. D. Williams, who completes the second year of his tenure of a Sir John Williams studentship, has continued to work with great industry, having visited a number of libraries and made some further interesting discoveries. I must repeat my appreciation of his work.

Mr. B. G. Owens, whose health was not very good at the beginning of the Session, has been engaged in studying the Welsh versions of *Dares Phrygius*, and hopes to be able to complete a critical text during the Summer.

Mr. W. Beynon Davies, B.A., presented a dissertation on a Welsh dramatic version of the tale of Troilus and Cressida, and was recommended to the Degree of Magister by the Examiners.

During the Session the Head of the Department delivered a series of Lectures at Swansea College on the history and development of the Welsh Vaticinations.

Mr. Thomas Gwyn Jones, B.A., a former student of the department, and holder of a Sir John Williams Studentship, has been appointed School Librarian for Carmarthenshire.

## PHILOSOPHY.

PROFESSOR W. JENKYN JONES.

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. Passed.
Intermediate ..	50	2	48	40
[Further Test	9	2	7	3]
Subsidiary ..	20	2	18	17
Final ..	16	1	11	11
Hons. 1st year	—	—	—	—
Hons. 2nd year	5	—	5	5
TOTALS ..	91	5	82	73

The work of the Department during the past Session—the sixtieth in the history of the College—was decidedly good on the whole. As judged by examination results, a criterion which it is not always safe to adopt, it excelled that of most years in the past. The presentation of M.A. Dissertations by two former students and their acceptance were very gratifying, and showed that a certain number of former students of the Department who obtained honours are continuing the study of Philosophy after leaving College and taking up other duties.

*M.A. Stage.* Miss Eva Hettie Hall, B.A., who obtained second class honours in the first division some years ago was awarded the M.A. degree for a very good dissertation on “The Psychological and Ethical basis of the problem of Peace.” Miss Hall was attracted to the subject when she was a student and she obtained a College prize for an essay on a similar subject. Her present success is all the more noteworthy because achieved by her while discharging her duties as teacher.

The degree of Master was also obtained by the Rev. Howard Williams, B.A., curate of St. Michael’s Church, Aberystwyth. Mr. Williams was one of a succession of very able Church of Wales scholars who have shed lustre on the Department in recent years by their successes in the honours examinations. His M.A. dissertation was “A critical exposition of mechanism and vitalism, with special reference to their philosophical implications,” and was really the development of a less ambitious essay written on a similar subject in his student days. It was a particularly clear, intelligent and concise discussion of the problem.

Both candidates showed a very definite aptitude for Philosophy while students, and have kept in touch with the Department since leaving College. No honours graduate should consider his academic career as complete until he has taken the degree of Master.

*Honours Stage.* The Honours students who were five in number worked with much zeal, industry and intelligence throughout the session. Miss Megan (Peggie) Pryce Evans obtained a first class in the minimum period and a few months after attaining her twenty-first birthday. Her papers were of high and even quality, well written and well informed, and the examiners had no hesitation in awarding her a first class. At the end of the session she was also awarded a John Francis Research Scholarship of £40. John Meurig Hughes, whose knowledge of the subject was less extensive, obtained a first division in the second class with well-written papers. The three other candidates, John David Jones, Gomer Thomas Lewis, Albert Harry Selway, obtained a second division in the same class. These showed very creditable knowledge of the subject and had undoubtedly profited by the lectures and by their own reading. They would have done better if they had had more experience in writing answers or essays. The form of their work was seldom as good as the matter.

*Final Stage.* The Final Course was taken by sixteen students, many of whom were of honours calibre. I do not remember having had at this stage a class that could so easily be provoked to profitable discussion or whose members showed more promise. There were five who did not present themselves for examination, one or two from fear of being unequal to the test, and the rest because they did not require the completion of the course for the purpose of a degree. The following students deserve special mention for the high quality of their work—Constance Ashley Jones, E. H. Jones, J. R. Jones and A. V. Morris Jones.

*Subsidiary Stage.* The Subsidiary class which contained twenty students presented some novel features. One of these was the almost entire absence of women students. This fact I regretted because in the past as well as in the present year, women students have achieved notable successes in Philosophy. Another new feature was the relatively large number of students who had been admitted to the course in their first year on the ground of having already received instruction in Philosophy, either at University Tutorial Classes or in such institutions as Coleg Harlech which are specially intended for students of mature age. As far as this year was concerned, the experiment of admitting such students to the subsidiary course in the first year was amply justified. I was very much impressed by their earnestness and industry, and their effort to get down-rightly to the meaning of what they heard in lectures or read in text books. Students of this type are, however, apt to show weakness in the form or style of their work, and this kind of imperfection was by no means absent from the work of several members of this class. It was unfortunate that it was not possible to afford them more experience in answering questions. The work of Elwyn M. Hughes, T. R. Jones, Kenneth O. Morris and Alwyn D. Rees was specially good.

*Intermediate and Further Test Stage.* The Intermediate class consisting of fifty students was much larger than I had expected. The abolition of the Regulation which required every Arts student to take Philosophy or a Science subject as one course in their Arts scheme, a change which I have always regarded as a mistake, especially from the point of view of pass students, has not as yet very appreciably reduced the number of students taking Philosophy. This is due partly to the increasing number of ministerial students, and of students from such institutions as Coleg Harlech and St. John's College, Ystrad Meurig, who have entered College in the last few years. The work at this stage was satisfactory on the whole, but there was a rather large proportion of students who experienced difficulty in expressing what they knew. The number of failures was small, but some of these were very bad ones. The number of

students who distinguished themselves by the excellence of their papers was very large. The Further Test course was taken by seven students, of whom three passed the corresponding examination.

The Philosophical Society met regularly during the Session, and thanks largely to its efficient secretary, Miss Peggie Pryce Evans, its meetings were both interesting and helpful.

As in past years, Dr. G. H. Green gave a short course of lectures on Psychology to the Honours Class. I desire to thank him for his kindness extending over many years in consenting to give this valuable and much-appreciated service to the Department. I beg also to acknowledge the very able help of my colleague, Dr. Dan Davies, whose knowledge and time are ungrudgingly placed at the disposal of the students. It was with great satisfaction that his former colleagues at Aberystwyth heard of the appointment of Dr. Louis Arnaud Reid, who was for many years a lecturer in this Department, to the Chair of Philosophy at Armstrong College, Newcastle. I take this opportunity of congratulating him very sincerely on his well-earned promotion.

As this is the last Report I shall have the honour of presenting as Head of the Department of Philosophy, I should like to take this opportunity of thanking the Authorities of the College and my colleagues on both the teaching and administrative staffs for their courtesy, goodwill and help during the period in which I have been in the service of the College. Finally, I extend to my successor, Dr. R. I. Aaron, of University College, Swansea, who has already rendered valuable service at a sister-college, my sincerest wishes that he may be very happy and successful in his work at Aberystwyth.

*Publication by former student.* "Philosophy," July, 1932. "The Aquinate Proofs of the Existence of God," by Valmai Burdwood Evans, M.A., B.Litt.

## EDUCATION.

PROFESSOR C. R. CHAPPLE.

### *Training Department.*

<i>Degree Classes.</i>						<i>Men.</i>	<i>Women.</i>
First Year	..	..	..	..	..	28	30
Second Year	..	..	..	..	..	62	35
Third Year	..	..	..	..	..	39	40
						<hr/>	<hr/>
						129	105
						<hr/>	<hr/>

<i>Professional Training.</i>		<i>Men.</i>		<i>Women.</i>		<i>No. completed qualification.</i>	
		<i>Men.</i>	<i>Women.</i>	<i>Men.</i>	<i>Women.</i>	<i>Men.</i>	<i>Women.</i>
Students taking University Diploma	.. .. .	29	20	28	20		
Students taking College Examination for the Board of Education Certificate :—							
In-College students	..	27	7	25	6		
External students	..	3	3	2	3		
		<hr/>	<hr/>	<hr/>	<hr/>		
		59	30	55	29		
		<hr/>	<hr/>	<hr/>	<hr/>		

*Degree Classes.*

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	24	—	23	20
Final ..	1	—	1	1
TOTALS ..	25	—	24	21

The following figures may be of interest. In 1923 the total number of applications for entry was 190. In the last three years the figures have been :—

	1929	1930	1931
	318	354	401
Of these there applied from Wales	299	324	385
"    "    "    "    outside Wales	19	30	15
There were accepted from Wales ..	80 (3)	108 (2)	105 (1)
"    "    "    outside Wales	4 (4)	9	5

(1) Including 20 extra post-graduate students.

(2) Including 20 extra post-graduate students and two private students.

(3) Including six private students.

(4) Including one private student.

In addition, in 1931, after applications had been dealt with, we received letters applying for forms from 45 applicants.

In 1932 the applications increased still further, the total number being 421.

The large increase in applications is due at least partly to the industrial stress. Ambitious young men and women who might possibly have sought careers in other directions find fewer openings and less money at home to pay for their preparation. And so far as our own students at least are concerned, although posts are not so quickly obtained as in the years following the war, the chances of employment are favourable when they are compared with those in other vocations.

Of those who left us in each of the years specified above, there obtained posts :—

	1929	1930	1931
In Wales in Secondary Schools ..	17	16	18
In Wales in Elementary and Central Schools .. .. .	11	18	22
Outside Wales in Secondary Schools	14	11	11
Outside Wales in Elementary and Central Schools .. ..	20	42	33

Excluding those doing further higher academic work or research work, we only know of six who had not obtained teaching posts, when enquiry was last made.



The foregoing statement differs slightly from that presented in the annual report concerning the years 1929 and 1930, owing to the subsequent change of students from one type of school to another.

ANALYSIS OF EMPLOYMENT RETURNS OF STUDENTS WHO LEFT THE DEPARTMENT IN THE YEAR 1931.

Posts were obtained in:—						
(a)	Universities	..	..	..	..	1
(b)	Secondary Schools	..	..	..	..	28
(c)	Private Schools	..	..	..	..	1
(d)	Central Schools	..	..	..	..	15
(e)	Elementary Schools	..	..	..	..	39
						—
	Holdings of Research studentships	..	..	..		2
	Returned to College for further study	..	..	..		5
	Entered other Universities for further study	..	..	..		1
	Unemployed	..	..	..	..	6
	No return received	..	..	..	..	2
	Married	..	..	..	..	1
						—
						84
						2
						5
						1
						6
						2
						1
						—
						101
						—
LOCALITIES IN WHICH THE STUDENTS OBTAINED POSTS:—						
	Wales and Monmouthshire	..	..	..	..	40
<i>Outside Wales.</i>						
	London and District	..	..	..	..	18
	Yorkshire	..	..	..	..	7
	The Midlands	..	..	..	..	7
	Lancashire	..	..	..	..	7
	Other English Counties..	..	..	..	..	3
						—
						42
	Scotland	..	..	..	..	1
	France	..	..	..	..	1
						—
						84
						—

Miss Rowlands was granted a year's leave of absence by the Council in the hope of her recovery from illness and the retaining of an enthusiastic and able teacher in the service of the College. Most unfortunately her recovery has been so slow that she has felt it advisable to resign her appointment—a resignation received with much regret and sympathy. During the session Miss Rachel Mary Creed, M.A. (Oxon.), who received her professional training at Manchester and London Universities, and possessed qualifications and experience in junior school work, educational handwork, and biology, which enabled her to carry on the work initiated by Miss Rowlands, was appointed temporarily for the session. At the end of the session, in recognition of her work, Miss Creed was appointed an Assistant Lecturer under the usual conditions.

Similarly Mr. Ifan ab Owen Edwards, M.A. (Wales), M.A. (Oxon.), was appointed temporarily to carry on the work left by Mr. John Hughes, and has now been appointed an Assistant Lecturer. Mr. Edwards is well known in the Principality as the founder and organiser of one of the most important educational movements in Wales of late years—the *Urdd Gobaith Cymru*—is an old student, and the son of one of the earliest and most famous members of the College. He continues the children's monthly, *Cymru'r Plant*, and is the founder and editor of the monthly magazine devoted to the interests of Welsh youth, *Y Capten*.

Two years ago twenty post-graduate students were added to our numbers as our contribution to the greatly-increased requirements under the new Education Bill, and Mr. Frank Bassett was appointed during the time of the temporary increase to give special attention to handwork and allied subjects. Economical considerations put an end to the Bill, the twenty extra places have been removed, and we have had regretfully to lose Mr. Bassett's services.

From February the 9th to the 12th, Mr. Pinsent delivered six lectures at the University College of North Wales in connection with the scheme for the interchange of teachers between the constituent Colleges of the University, on "Principles and Methods of Science Teaching." He has been engaged on a critical survey of the entrance qualifications and teaching capacities of our students in order to discover if possible, improvements in methods of selecting entrants to the teaching profession. This survey endeavours to find what correlations may exist between academic records, pre-college teaching experience, age, sex, and real teaching ability so far as can be discovered in College, and covers the last ten years.

A sum of £50, together with £15 for apparatus, was voted by the University towards the expenses of conducting an enquiry into some aspects of bilingualism as it affects the education of children. Dr. Gwenan Jones was released from the supervision of school practice in order to begin such an enquiry in the Aberystwyth area. She confined her attention to children brought up in a predominantly Welsh-speaking environment. The purpose of her enquiry was to discover in what ways and to what extent bilingual instruction affected the scholastic attainments of those pupils, in order to throw light on the proper time and methods for introducing the study of English. The question is too large for any adequate conclusions to be drawn on the limited amount of work possible in the time, but already some hundreds of children have been tested. If it can be found possible to organise a group of workers carrying out various researches in different localities, we can hope for more speed and adequacy.

In addition to this work, Dr. Jones has acted as editor and part author of *Ysgol Sul y Plant*, Bala, 1932, and written articles in *Yr Efrwydd*, October, 1931. She has lectured at the Summer School at Coleg Harlech, Merioneth, in a lecture series, and in other individual lectures, on Religious Education in the Sunday School, and has devoted some time to organising groups of teachers to discuss New Ideals in Education and the question of Religious Education. A pamphlet on "Discipline and Freedom" will appear shortly for the use of groups. It has been produced by one group and written from the standpoint of the working teacher in the ordinary day school. Dr. Jones has also conducted in Welsh a second year Tutorial Class at Machynlleth in Psychology.

Dr. George Green has taken part in organising the World Conference of New Education to be held at Nice in August, 1932, and will take general charge of the British section of the Conference, which will discuss Education for International Understanding. He will represent the College at this Conference. He has been invited to give three lectures to the Summer School of the International Federation of League of Nations Societies, to be held at Geneva in August, 1932, and is an active member of the Tenth International Congress of Psychology to be held at Copenhagen at the end of August. He will read a paper on "Some Factors in Aesthetic Motivation." He lectured to the Education Meeting of the Annual Conference of the Welsh National Council of the League of Nations Union at Bangor (*Welsh Outlook*, July and

August). He has also addressed conferences of teachers at Pontypridd, Mountain Ash, and Aberdare, at the invitation of the Local Education Authorities and the Welsh National Council of the League of Nations Union. Under the auspices of the W.E.A., he lectured during one term at Borth on "Social Psychology."

Mr. Edwards has lectured this session in an Extra-mural Extension Class at Pennal, and has originated the Welsh Youth System of Eisteddfodau which culminated in the Youth National Eisteddfod at Machynlleth, and the physical activities which created the mass National Games of eight thousand children at Llanelly.

To Miss Roberts, as Senior Lecturer, and to all my other colleagues in the department I am deeply indebted for their energy and devotion to the work of the training of teachers—a task which grows more complicated as the differentiation of schools and teaching increases.

We owe much to the continued help of our colleagues outside the department. During this session, for example, we have been particularly helped by—

Principal H. Stuart Jones	}	History of Education.
Professor Stanley Roberts.		
Professor Barbier.	}	Modern Language Teaching.
Miss E. M. Phillips.		
Professor Mountford—Teaching of Classics.		
Professor Laurie—Teaching of Hygiene.		
Mr. Sydney Herbert—Teaching of Citizenship.		
Professor de Lloyd	}	Music and Voice Production.
Mr. W. R. Allen.		
Mr. Herbert Morgan—Principles of Biblical Instruction.		

## ARTS AND CRAFTS.

MR. DAN R. JONES.

The number of students during the past session was 110. The distribution amongst the various grades is indicated below:—

Attending from the Training Department	..	..	..	..	98
Arts and Crafts Full Time	..	..	..	..	11
Arts and Crafts Part Time	..	..	..	..	1

Diplomas awarded:—

Diploma in Art.

N. P. H. Beeching	..	..	..	..	2nd Class.
M. T. Chapple	..	..	..	..	2nd "
Morris Gabriel	..	..	..	..	2nd "
Leonard Hinds	..	..	..	..	2nd "
E. A. Williams	..	..	..	..	2nd "
Miss Rayda Jones	..	..	..	..	3rd "

Diploma in Craft.

Miss Betty Atkins	..	..	..	..	1st Class.
Miss Margaret E. Jones	..	..	..	..	1st "
Miss Eirlys Enos	..	..	..	..	1st "
Miss Mary M. Edwards	..	..	..	..	2nd "
Miss Hilda Thomas	..	..	..	..	2nd "

Examination of the Society of Art Masters for the School Drawing Certificate for Teachers in Elementary Schools:—

<i>Subjects.</i>	<i>No. entered.</i>	<i>No. passed.</i>	
Plant Drawing .. ..	11	6	
Plant Drawing in Colour ..	10	4	
Painting Still Life .. ..	9	7	1 1st Class.
Memory Drawing .. ..	10	8	
Design .. ..	11	8	5 1st Class.
Illustration .. ..	8	4	1 1st Class.
Theory of Teaching .. ..	9	9	3 1st Class.

The following completed the full Certificate:—M. T. Chapple, Miss Dorothy M. Evans, Miss Marjorie E. Akister.

The Department is severely handicapped through lack of adequate accommodation. There are further Art and Craft activities for which in the natural development of the work the Department is now ready, but cannot undertake owing to lack of space. This has compelled attention to the possibility of somehow or other increasing the floor space absolutely necessary for the proper development of the work of the Department. A very simple and inexpensive scheme has been planned and if it could be carried out, would relieve all the present inconvenience and strain of overcrowding.

The idea is to place a floor above the existing rooms. That over the Craft room could be reserved for students carrying on the more advanced studies. The suggested room over the main Art room—which would be open on one side with a balustrading—would be of immense value for students. This could be divided into three bays with screens projecting from the uprights and with the large wall space would form excellent hanging spaces for the many posters and prints which the Department possesses. One great advantage of this would be the freeing of the middle room, which could be wholly reserved for library and exhibition purposes. We have already purchased a most suitable glazed case which could display a great many examples of recent craft work. It is to be earnestly hoped that in the near future this scheme may be adopted and carried out.

I wish to place on record my sincere thanks to Mr. S. K. Greenslade for his continued and very valuable help in connection with the Museum of Arts and Crafts.

### MUSIC.

PROFESSOR DAVID DE LLOYD.

Number of students pursuing courses in the Department:—Intermediate B.A., 12 (3 withdrawn during session); Subsidiary B.A., 3; Intermediate B.Mus., 1; Subsidiary B.Mus., 1; Diploma in Music, 2; Students in training pursuing advanced course, 8; students in training pursuing ordinary course, 20; solo students (vocal and instrumental), 25.

All the degree and diploma students were successful in the recent sessional examinations. Although there was no student of outstanding merit in any grade of either Faculty, the general standard attained was moderately good.

The increase this session in the number of Intermediate B.A. students pursuing Music seems to provide evidence of the growing realisation that Music is a qualifying course for an Arts degree, but it is not yet sufficiently widely known that the subject may be pursued up to Final and even an Honours stage for this purpose.

Of late years there has been a noticeable tendency on the part of students who have completed Subsidiary B.A. Music to abandon the course at this stage, especially in the case of students who are proceeding to Honours in another Department, a practice that is to be deprecated in cases where such an abandonment is not voluntary.

The class of students in training pursuing the advanced (or supplementary) course in Music consisted of several promising students, two of whom deserve mention—Mair Meirionwen Williams and T. R. James.

The special musical events of the session were the appearance of the following artistes at the College (Thursday) Concerts :—

1st term : Adila Fachiri (Violin); Nicolas Orloff (pianist);  
Keith Faulkner (vocalist).

2nd term : Arturo Bonucci ('cello); The Griller String Quartet  
(postponed to the third term); Megan Thomas  
(vocalist).

These special concerts account for six out of a total of twenty-six held during the session; the programme items of the remaining concerts (20) were provided entirely by staff and student members of the Department.

The songs sung by Mr. W. R. Allen were always warmly received, while Mr. Clements's outstanding abilities as a pianist invariably won the unbounded approval of all visiting artistes and club-members.

The Chamber Music concerts were entrusted to Staff instrumentalists Miss Cooke (1st violin); Mr. Arthur Williams ('cello), assisted by Miss Esme Silver (2nd violin), Miss Reid (viola), and Mr. Haydn Lewis ('cello). To this little band of enthusiasts, inspired by their supervisor—Mr. Arthur Williams—the Club was indebted for the performance of works by Haydn, Mozart, Beethoven, Brahms, and Ernest Walker (String Fantasy). Violin Sonatas by Brahms, Cesar Franck, Ernest Walker, and Vaughan Williams ("Lark Ascending") were rendered by Miss Evelyn Cooke.

The College Choral and Orchestral Societies were responsible for several Club concerts. The Choral Society's contributions consisted of Coleridge Taylor's "Hiawatha's Wedding Feast" (1st term), "Death of Minnehaha" (2nd term); Bach's "Jesu, Priceless Treasure" (3rd term), in addition to the usual performance of carols and Bach's "Christmas Oratorio" at the conclusion of the first term.

The orchestral performances included Mendelssohn's Symphony in A. Minor, Dvorak's "New World" Symphony, Schubert's C. Major, and Mozart's "Jupiter," together with pieces in a lighter vein, such as Debussy's Suite and the English Folk-song Suite by Vaughan Williams. Added variety was given to the orchestral programmes on the occasion of the performances of the 'cello Concerto in A Minor (Schubert-Cassado), and Dvorak's 'cello Concerto by Mr. Haydn Lewis, the Bryan Scholarship holder.

As in previous years, students, past and present, were invited to take part as soloists in these concerts.

It is gratifying to record an increase in the number of student club-members, over 400 being enrolled. The general membership, on the other hand, shows a falling off which must be attributed to the increased subscription the Committee was reluctantly obliged to adopt in order to meet the extra tax levied upon tickets. Next session the Music Committee has courageously decided to revert to the usual subscription in spite of the still more exacting demands of the Inland Revenue Authorities.

Numerous as the activities of the Department hitherto recorded have been, I have yet to mention the crowning achievement of the session, namely, the performance in the second term of Humperdinck's opera, "Hansel and Gretel." This was a new departure in the history of the Department, and one that proved a gratifying success musically. The principal parts were played by two Music Diploma students—Meirionwen Jones and Irvonwy Jones—Hansel and Gretel, respectively; a student of the Training Department, Mr. Idris Evans, filled the role of the Father, and Miss Myfanwy Ellis, a former student, was a most effective Witch. Subsidiary parts, those of the Mother, the Sandman, and the Dew Fairy, were sung by Mary Winifred Jones, Glenys Jones and Bronwen Griffiths.

The Chorus consisted of lady students assisted by town ladies, whose ready assistance can always be relied upon whenever their co-operation is required.

An augmented orchestra, specially engaged for the occasion, added in no slight degree to the musical interest of a work, whose stage presentation owed so much of its success to such willing workers as Miss Arnold, Miss Gwen Davies, and Major Stimson.

The varied activities of the Department of Music necessitate the co-operation of an efficient and enthusiastic staff. It is my good fortune to enjoy the collaboration of such a staff in the persons of Miss Cooke, Mr. Arthur Williams, Mr. Allen and Mr. Clements, to whose zeal and loyalty throughout a strenuous session I pay this simple tribute of gratitude.

In concluding this report, it is with deep regret that I have to mention the death of Mr. Panchen, a part-time member of the Staff, who for many years had been responsible for the Normal Classes in Music.

## LAW.

PROFESSOR T. A. LEVI.

I have the honour to report as follows, and additional reports are presented below by Mr. Victor Evans and Mr. Wing, with reference to the special course for articled clerks at Aberystwyth and in North Wales.

It gives us great pleasure to report that during the comparatively short period of nine months, between October 1st, 1931, and June 30th, 1932, we have secured the first place in the kingdom at the Bar Examination twice, with a MacMahon studentship at Cambridge awarded to the successful candidate in each case; we have secured three other First Classes at the Cambridge Honours Law Examinations; and two First Classes, one with the first prize, heading the list, and the other with the second prize, and two Second Classes at the Solicitors' Final Examination. All these results have been obtained by different students, the Bar results—Richard Geraint Rees and Hugh Elvet Francis; the Cambridge results—Glanville Llewelyn Williams (who headed the list), Emrys Owain Roberts and Thomas Mervyn Jones; the Solicitors' Final results—F. S. Odgers, of Wrexham, Richard Hugh Owen, of Abergele, Percy Dale Wadsworth, of Rhyl, and W. E. Bufton, of Llandrindod Wells. In addition, we have had four Second Class Honours in the Wales LL.B. Examination, two in the First Division and two in the Second Division, Mr. Kenneth Jones, of Cardiff, being awarded the Samuel Evans Prize. There were a number of other results; it is worth recording that Miss Megan Jenkyn Jones was the first woman student of the College to pass her Final Solicitors' Examination. She obtained her B.A. degree in Law at the College, and continued to attend the special classes held at the College for articled clerks after taking her degree. There will be at least six Aberystwyth students presenting themselves at the Cambridge Law Examinations next year; we have also students entered for the Oxford School of Jurisprudence, but owing to the rules relating to affiliation, they will require a longer time.

The work of the Faculty of Law during the session falls into two distinct parts :

First, the University degree courses in Law. The students attending the degree courses in Law numbered 40 altogether, counting no one twice over. They were distributed thus :—

First or Preliminary Year	..	..	..	..	8
Second or Subsidiary Year	..	..	..	..	9
Third or Final Year	..	..	..	..	12
Fourth or Honours Year	..	..	..	..	4
Students taking Law Courses for their B.A. degree..					7
					<hr/>
				Total	.. 40
					<hr/>

Of these students, all passed the University Examinations except three, who failed, and four or five who were prevented by accident or illness from sitting the examination. Of the four Honours men—all of whom were awarded a Second Class—three are proceeding next session to Cambridge. Five of the LL.B. students were women students. The total number of law students of all types receiving tuition from the College was 60.

Second, the work done for Articled Clerks and Bar students.

The total number of Articled Clerks in Aberystwyth was eight, at least five of whom were taking the full LL.B. course. The total number of intending articled clerks in Aberystwyth this session, as far as I can calculate with care, was 19. The total number of Bar students, including one member of the Staff who was reading for the Bar, was five. In addition to the above we were privileged to carry out the tuition of articled clerks in collaboration with the University College of North Wales, and the number of articled clerks who attended at Colwyn Bay for that purpose was about 20, evenly divided between the Intermediate and Final. It should be noted the reason why we have at Aberystwyth fewer articled clerks taking the special courses is that the near presence of the Faculty of Law enables them to take their Law degree, which completely dispenses with the Solicitors Act, 1922. For example, most, if not all, the articled clerks of the Aberystwyth area are graduates in Law of the College. Ten out of fifteen practising Solicitors of Aberystwyth are former students of Law at the College. Other students again come to reside at the College for a year to study Law, before going to an office, and so are enabled to dispense with the special courses for articled clerks—a plan that is expressly approved by the Solicitors' Act, and strongly urged by the Law Society. We have had such students every year at the College, some of them have changed their course and remained for a Law degree.

Mention should be made of the public work done by the staff of the Law Department during the session ; all the lecturers, Mr. Vyrnwy Lewis, Mr. Wing and Mr. Victor Evans have delivered addresses at times during the session, on legal and international subjects ; for instance, a valuable course of lectures was given by Mr. Victor Evans to the International Politics Department at Aberystwyth on the "Permanent Court of International Justice." I have delivered from thirty to forty public lectures during the session in North and South Wales, including ten public lectures on the English Constitution, eight lectures on the English Law, seven lectures on International Law and the League of Nations, and two lectures on Hywel Dda and the Laws of Wales. Several of these lectures were to the Workers' Educational Association.

We have to express our gratitude to the many donors to the Law Library of the College. Among those who made valuable gifts were Dr. Arnold McNair, Mr. E. C. S. Wade, Professor J. D. Ivor Hughes, Professor Batt, Professor Hughes Parry, Professor Garner of the University of Illinois, and the Carnegie Endowment for the study of International Relations.

**CENTRAL WALES LAW SCHOOL.**

Mr. J. VICTOR EVANS.  
Mr. R. AMOS WING.

We beg to submit the following Report upon our work at the Central Wales Law School during the Session 1931-32. Eight articled clerks, being students in the Law Department of the University College, attended the Law Lectures thereat, during the session. One Articled Clerk who is preparing for the Final Solicitor's examination attended on Friday afternoons at Aberystwyth during the session. The subjects taught for the said Final Examination included :—

1. The Law of Settled Land.
2. The Law of Defamation.
3. Real Property.
4. Equity.
5. The Law of Partnership.
6. Certain Aspects of Company Law.
7. The Law of Evidence and Civil Procedure.

The teaching was divided between us, Professor Levi and Mr. V. J. Lewis for whose co-operation we are indebted.

**NORTH WALES LAW SCHOOL.**

Mr. J. VICTOR EVANS.  
Mr. R. AMOS WING.

We beg to submit the following report of the work of the above Classes for the past session.

The Classes were held throughout the year at Colwyn Bay, where, through the courtesy of the District Council, we had the use of a room in the Council Offices, and were attended by 25 students. This number shows an increase of 5 over the preceding Session and is only 2 less than in the record year, 1929-30.

There were 13 students in the Final Class, in which, under the Two-Year scheme there obtaining, the subjects of study included Conveyancing, Equity, Personal Property, Partnership and Company Law.

The courses in the Intermediate Class, attended by 12 students, were as usual based on Stephen's Commentaries, special attention being paid to Volumes 2 and 3 of that work.

In reference to the work of the past year, the Lecturers beg to state that, in their opinion, the classes have never before been as successful or demonstrated so clearly their usefulness to the students. The attendance at the Classes has been uniformly satisfactory, and in the Classes themselves, the students have been most attentive to the lectures and have taken an active part in the discussions.

Amongst other successes in the Law Society's Examinations during the past year, it is with great pleasure that we record that in the Honours Examination in January last, Mr. R. H. Owens obtained the third place in the United Kingdom, and was awarded the Clifford Inn Prize. Another former student, Mr. D. Price White, obtained second class honours at the same examination.

Our best thanks are due to Mr. V. J. Lewis for his co-operation in the work of the Classes, and to Professor Levi and Major Wheldon for their unfailing assistance. We wish also to record our gratitude to the Clerk and Staff of the Colwyn Bay District Council for their many kindnesses to us.



## PURE MATHEMATICS.

Mr. V. C. MORTON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	18	1	17	2
Subsidiary ..	36	4	33	25 plus 2 allowed Intermediate
Final .. ..	11	—	22	15
Hons. 1st year	10	—	8	7
Hons. 2nd yr.	9	1	8	7
Hons. Combined	2	—	2	2
Research ..	1	—	—	—
TOTALS ..	87	6	82	53

The work done in the various classes was satisfactory except that in the Intermediate class which was much below the average. Particularly good work was done in the First Year Honours classes.

The following students deserve special mention :—Subsidiary : Miss M. Blackledge, Mr. N. F. Jenkins and Mr. D. G. Pryce ; Final and First Year Honours, Miss R. M. Evans, Miss M. Jones, Mr. J. V. Harries and Mr. B. R. Jones ; Second Year Honours : Mr. W. E. Jones.

Eight students took the Honours examination in Pure Mathematics and two in Mathematics. Of these, one, Mr. W. E. Jones, obtained First Class ; three Second Class, First Division ; two Second Class, Second Division ; and three, Third Class.

Mr. B. V. Williams, B.Sc., submitted, for the M.Sc. degree, a thesis on (1) "The integration of the curvature tensor for a flat unsymmetric connection"; (2) "The Serret equations and curvature of a curve in a Riemannian  $n$ -space." He was awarded the degree.

*Research.*—Mr. D. T. Davies, who has held the John Francis scholarship during the year, has been researching with me on "Poristic Configurations." He has been occupied chiefly in the collection and arrangement of material, but has also done a little original work that promises well.

I am pleased to be able to report that Miss D. S. Meyler, who suffered a serious illness whilst engaged in research work, is well on the way to recovery and I hope that she will return next session to continue her research work with me.

During the year Mr. W. G. L. Sutton has been working on a problem in Integral Equations. I have been collaborating with Professor A. L. Dixon of Oxford in some investigations on the Cubic Surface.

In conclusion, I gladly take this opportunity of thanking my colleagues, Mr. W. G. L. Sutton, Mr. D. R. Williams and Mr. T. Lewis for their willing and very efficient co-operation in the work of the Department.

**APPLIED MATHEMATICS.**

Professor G. A. SCHOTT.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	10	1 transferred to Subsidiary	9	3
Subsidiary ..	18	—	19 { allowed Inter. 3 } 3 }	16
Final ..	2	—		2
Hons. 1st year	5	1 transferred to Final.	3	6
Hons. 2nd year	3	—	3	3
<b>TOTALS ..</b>	<b>38</b>	<b>—</b>	<b>37</b>	<b>30</b>

The number of students showed a slight decrease compared with last year, mainly at the Final stage. The Intermediate class was much greater, but very much weaker, than usual; the number of failures was exceptionally large, but excellent work was done by K.O. Morris. The Subsidiary class was about the usual size and reached a high average, N. F. Jenkins and Miss Blackledge being the best.

The Final and First Year Honours class was very small, but very good on the whole, and B. R. Jones and J. V. Harries especially did really excellent work and show great promise for the future. Two students took the Combined Honours course in both Pure and Applied Mathematics with Pure Mathematics as their principal subject and were placed in the Second Class. F. R. Britton, B.Sc., took Honours in Applied Mathematics and obtained a First Class.

A former student, H. Falkner, B.Sc., was awarded the Degree of M.Sc., for a thesis entitled, "A critical discussion of the theories of Bohr, de Broglie and Schrödinger."

Mr. T. Lewis, M.Sc., published a paper in the Proceedings of the Royal Society of London, on "some special Solutions of the Equations of Axially Symmetric Gravitational Fields." A former student, Mr. W. R. Morgans, M.Sc., published a paper in the Philosophical Magazine on "A continuous Atomic Matrix."

In conclusion, I desire to thank Mr. T. Lewis, M.Sc., for his very valuable co-operation in the general work of the department and Mr. W. G. L. Sutton, M.A., for his help with the Honours students.

**PHYSICS.**

PROFESSOR GWILYM OWEN.

The number of students in the department during the past Session was 80, being 14 more than in the previous Session, and 25 more than two sessions ago. Their distribution amongst the various grades is indicated in the following table.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Acoustics ..	3	—	3	2
Intermediate ..	31	1	27	14
Subsidiary ..	27	5	21	20
Final ..	} 14	1	13	11
Hons. 1st year				
Hons. 2nd year.	4	—	4	4
Research ..	1	—	—	—
<b>TOTALS</b>	80	7	68	51

The past session has been a successful one and very few failures have to be recorded after the Intermediate stage. Excellent work was done by several students in the Subsidiary and Final classes. The Honours class worked very well and three out of the four candidates obtained Class II. division 1, which denotes the attainment of a good standard.

The work of the following students is worthy of special mention :—  
 Honours : R. Everson, A. J. G. Laramy, D. S. G. Lewis. Final : R. A. M. Bound, M. M. Davies, T. T. Jones, I. H. Thomas, W. J. Thomas.  
 Subsidiary : Rachel M. Evans, Mair E. Jones, M. D. Owen, Rosetta Phillips, D. G. Pryce. Intermediate : Megan Williams.

The outstanding event of the session was the "Faraday Centenary Exhibition," held in the department on December 16th, 1931. The students and staff worked enthusiastically in connection with this celebration and it passed off most successfully. Some 600 persons visited the department during the day. An experimental lecture on "The discovery of the Dynamo" was delivered four times to large audiences by the Head of the department, while at suitable intervals demonstrations were given by the staff and students of X-rays, Tesla high frequency discharges, wireless transmission and reception, alternating current experiments, electroplating, etc., etc. A notable demonstration was that of Mr. R. M. Davies, in which, for the first time in Aberystwyth, speech and music were successfully broadcast. In this Faraday exhibition, the department was assisted by the Chemistry department in regard to Faraday's discoveries in chemistry.

*Staffing.*—As recorded in last year's report, Mr. G. M. Jones, B.Sc., resigned from his post of assistant lecturer to become Senior Physics Master at Llangefni County School. The vacancy was filled by the appointment of Mr. Emllyn Stephens, M.Sc., Ph.D., late Fellow of the University of Wales. Dr. Stephens has proved himself to be a very pleasant colleague and has carried out his new duties most efficiently and conscientiously.

*Accommodation.*—While the accommodation for the routine teaching work of the department is satisfactory, we are distinctly handicapped by lack of proper accommodation for the experimental work of the Honours classes and for research. Every hole and corner in the building is being put to use, but even so, difficulty is being experienced in finding a place for an extra research student next session. It looks as if two research men will have to work in the elementary laboratory next session, which means stopping work during the periods when the large classes come in. We badly need three or four small research rooms in addition to our present accommodation.

*Research.*—Several pieces of research are in active progress in the department. Under the direction of Mr. R. M. Davies, Mr. E. G. James, who held a University studentship, and has been awarded the Sir Garrod Thomas' Fellowship, is making excellent progress with his investigations of the elastic properties of crystals. Mr. R. M. Davies has carried to a successful conclusion the investigation he undertook on behalf of the Plant Breeding Station and has devised an ingenious method of measuring the moisture-content of seeds and other materials. He has published a valuable paper on this work in the Proceedings of the Physical Society of London. He is now commencing a piece of research on the dielectric constants of organic liquids in collaboration with Dr. D. Matthew Williams of the Chemistry Department. It is gratifying to record that Mr. Davies's excellent work in the department has resulted in his promotion from the post of Assistant Lecturer to that of Lecturer.

Mr. I. C. Jones is engaged in constructing an apparatus for studying alpha-ray tracks, while Dr. Stephens is engaged on problems connected with the electron theory of metallic conduction.

Mr. Benjamin Davies, F.Inst.P., is continuing his work on the detection of added water in milk and other fluids.

*Extra-Mural Work.*—During the session, public lectures on scientific subjects were delivered by me at Liverpool University, Newtown, Llanberis, Denbigh County School, Dolgellay Grammar School, Aberystwyth, Borth, and other places. This work is, I believe, not without value, as it brings the College into touch with outside bodies and the public.

*Former Students.*—Mr. E. J. Gooding, B.Sc., who took first class honours in Physics in 1926 is engaged in the glass industry and has obtained his Ph.D. in the University of Sheffield on the strength of a thesis dealing with the constitution of glass. Mr. Frank T. Davies, B.Sc. (Hons. Physics, 1925), who did excellent work with the Commander Byrd Antarctic Expedition, has been put in charge of further scientific work in the same region.

*Visiting Lecturers.*—Dr. F. W. Aston, F.R.S. of Cambridge, delivered a most interesting series of lectures on "Isotopes" in February. These lectures were greatly appreciated by the students and the public. In March, Professor R. T. Dunbar of University College, Cardiff, lectured to the Physics Club on "Cosmic Rays."

*Physics Club.*—This is a strong student's society managed by the students themselves. Several excellent papers were read by the students, while on June 15th, a successful and enjoyable excursion was made to the hydro-electric power station at Maentwrog. Our thanks are due to the Chief Engineer for granting us permission to view the machines. This visit was particularly instructive and interesting, following on the Faraday celebrations of the previous December.

My colleagues, Messrs. R. M. Davies, I. C. Jones, L. E. Sulston, and Dr. E. Stephens have devoted themselves whole-heartedly to the work of the department and I am grateful to them for their loyal co-operation.

## CHEMISTRY.

PROFESSOR T. CAMPBELL JAMES.

The number of students working in the Department was 71, their distribution being as given in the table below.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	24	2	22	11
Subsidiary ..	14	—	14	12
Final and 1st Year Honours	14	—	14	11
Honours, 2nd Year ..	13	1	12	11
Research :—				
Full Time ..	4	—	—	—
Part-time ..	2	—	—	—
	71	3	62	45

*Staff.* Mr. D. Gwynne Davies, B.Sc., was appointed as part-time assistant in the Department for the session and performed the duties assigned to him with considerable enthusiasm and success. He proved to be a very efficient teacher and took a part in the guidance of students of all grades.

*Intermediate Class.* This class consisted largely of beginners with little previous knowledge of the subject and in such cases it is difficult to attain the necessary standard in one year. The work was conducted by Mr. Hudleston, assisted by Mr. Gwynne Davies, both of whom laboured hard to obtain satisfactory results from mediocre material.

*Subsidiary Class.* The direct entries to this Class were fewer in number and generally of lower standard of ability than was the case in the previous two years. Dr. Matthew Williams conducted the Organic Course, Mr. Bury the Physical Chemistry course, while I gave a short course on Inorganic Chemistry. The Practical work was supervised by Messrs. Bury, Williams and Davies.

*Final Class.* This Class continued the excellent work of its Subsidiary year and with three exceptions passed the University Final examination. Mr. Bury conducted the course on Physical Chemistry, Mr. Hudleston that on Inorganic Chemistry, while I personally took the Organic work. Nearly all this class will proceed to Honours during next session.

*Honours Class.* The Honours Class of 1931-32 has been the largest in numbers for many years and the individual members worked with considerable enthusiasm and success throughout the session. All members of the teaching staff took a part in their guidance and training and my warmest thanks are due to Mr. David Evans for conducting classes in

German for their especial benefit. The University Honours results are as follows :—

Chemistry with Agricultural Chemistry: 1st Class Honours: W. M. Ashton.

Chemistry: 1st Class Honours: G. A. Parry, R. Redd and T. I. Theophilus.

2nd Class Honours: Div. 1. J. Idris Jones and D. A. Williams.

2nd Class Honours: Div. 2. J. Pincott and H. J. Lewis.

3rd Class Honours: G. S. Morgan and R. E. Rees.

#### *Higher Degrees.*

Mr. H. O. Jenkins, B.Sc., presented his work on "Investigations on the freezing point of non-ionic solutions" for the Ph.D. degree in December, 1931, and was granted the degree. Mr. Jenkins has subsequently been elected to a Fellowship of the University. (Director of the research: Mr. C. R. Bury.)

Mr. D. Gwynne Davies, B.Sc., presented his work on "The investigation of some physico-chemical properties of aqueous solutions of certain carboxylic acids and their salts" for the Ph.D. degree in June, 1932, and was granted the degree. (Director of the research: Mr. C. R. Bury.)

Mr. Samuel Evans, B.Sc., presented a thesis entitled "The para-methoxy-cinnamic acids and their alpha-bromo-derivatives" in December, 1931, and was granted the M.Sc. degree. (Director of the research: Professor James.)

Mr. Richard Owen Jones, B.Sc., presented two papers entitled (1) Notes on the splitting of castor oil, and (2) the manufacture of concentrated solutions of caustic soda by the lime process, in June, 1932, and was granted the M.Sc. degree. (External.)

Mr. Sidney Bevan Watkins, B.Sc., presented a thesis entitled "Investigations on the chemical constitution of lignites," in June, 1932, and was granted the M.Sc. degree. (External.)

#### *Research work proceeding in the Department.*

Mr. E. R. H. Davies, B.Sc., has continued his work on "Magnesian Cements," under Mr. Bury, and is obtaining results of considerable interest and technical importance.

Mr. D. T. Lewis, B.Sc., was awarded the Garrod Thomas Fellowship for the session and has continued his work under Mr. Hudleston on "Effect of the solvent medium on reaction velocities." He is doing very satisfactory work.

Mr. S. C. Townshend, B.Sc. (Thomas Davies Scholar), is working under my direction on "Chlorination of Naphthols," and has made excellent progress.

Miss Olwen Davies, B.Sc., was awarded a grant for research by British Dyestuffs Corporation, Ltd., and is working under my direction on certain problems connected with the manufacture of dye-stuffs. My cordial thanks are due to the Company for its generous support.

Mr. H. V. W. Robinson, B.Sc., of Towyn County School, and Mr. W. D. Jones, B.Sc., of Newtown County School, are part-time research workers in the Department and are studying under my direction for the M.Sc. degree.

Experimental and analytical work on problems of river pollution especially connected with the river Rheidol, have proceeded throughout the session in conjunction with the Botanical and Zoological Departments and a combined report is in process of preparation.

Dr. D. Matthew Williams has been actively engaged on independent chemical research during the session and has published two papers. He is also part-author of an elementary text-book of Chemistry, written in Welsh, which will shortly be published.

Recently the very important monograph on " Sorption," by Professor J. W. McBain, F.R.S., of Stanford University, California, U.S.A., has been published. The book is the outcome of the series of lectures delivered in this College by Professor McBain under the Special Lectures Scheme.

I acknowledge gratefully the enthusiastic and strenuous labours of my colleagues, Messrs. Bury, Hudleston, Williams and Davies in the teaching, and especially in the research work of the Department."

The efforts of the College Surveyor, Mr. G. T. Bassett, and the support of the College Buildings Committee for the improvement of the grounds surrounding the Edward Davies Chemical Laboratories have been greatly appreciated.

The arrangements for the supply of apparatus and chemicals through Messrs. Robinson, Nelson and Co., Ltd., have proceeded smoothly and satisfactorily.

## GEOLOGY.

PROFESSOR H. P. LEWIS.

The number of students working in the Department during the session was eighty-three. They were distributed as shown in the table :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma ..	5	1	4	3
Intermediate ..	54	1	53	42
Subsidiary ..	10	—	10	8
Final ..	13	1	12	12
Hons. 2nd Yr.	1	—	1	1
TOTALS ..	83	3	80	66

*Agricultural Diploma Course.*—This class was held in the Michaelmas Term and the work was of average standard.

*Intermediate Course.*—This class was larger by thirty-five than in the previous session. The number of students pursuing this course and Subsidiary Geography, concurrently, under the new regulations was sixteen. The class worked very well and Messrs. W. A. Weale, S. F. Spiller, O. P. Saunders, D. M. Price-Jones, and E. M. Jones deserve special mention.

*Subsidiary Course.*—The work of this small class, as a whole, was not of a very high standard, but that of Mr. A. W. Woodland, however, showed much promise. Thirty-three students at the Final stage in Geography attended my lectures on Geomorphology in this course in the Michaelmas Term.

*Final Course.*—The number of students in this class was slightly below that for last session. The quality of the work was highly satisfactory. All the students taking the Degree Examination were successful. Miss M. A. Richards and Messrs. W. F. Jones and S. G. Jarvis are worthy of special mention.

*Honours Course.*—Mr. Enoch Davies, B.Sc., was awarded Second Class Honours (Division 2).

In February, Dr. K. A. Davies, of the Geological Survey of Uganda, an old student of the College, gave an interesting lecture on "A Geologist in Uganda."

Field excursions were organised and were well attended throughout the session. A very successful field-class composed of Final and Honours students was held in the Easter vacation, when a week was spent in the study of the geology of the Malvern district.

A paper was read to the Geological Society of London in June by Mr. J. I. Platt, on work done by him in collaboration with Mr. K. A. Davies, M.Sc., Ph.D., on rocks from the belt of country between Rhayader and Llansawel. I have submitted to the same Society a preliminary report on my field-work in Canada last year. By slight structural modifications, two small rooms have been made available as laboratories for research-work and for the preparation of rock-material for examination. Some progress has been made towards their equipment. The lack of a departmental lecture-room continues to be a great inconvenience and detracts from teaching-efficiency in each branch of the subject.

*Gifts.*—The Department is indebted to J. B. Willans, Esq., J.P., for his annual gift to the Library, to Dr. K. A. Davies for micro-sections of rocks from Uganda and to Mr. Brampton, Aberdovey, for a large and interesting "box-stone."

I offer my sincere thanks to my colleagues, Mr. J. Challinor and Mr. J. I. Platt, for their helpful co-operation and ready and unfailing assistance, which have proved of inestimable value to me during my first session in the Department. Also, I avail myself gladly of this opportunity to acknowledge my indebtedness to my predecessor, Professor W. J. Pugh, for his kindness and courtesy in ensuring that my entry into the Department should be under the happiest possible conditions.



## ZOOLOGY.

PROFESSOR R. DOUGLAS LAURIE.

The number of students working in the Department during the session was 69, distributed as follows:—

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Agricultural Diploma ..	6	—	6	6
Intermediate ..	26	—	22	17
Subsidiary ..	16	—	16	13
Subsidiary Agricultural Zoology ..	1	—	—*	—
Final 2nd Yr. and Hons., 1st Yr. ..	14	—	14	7
Hons. 2nd Yr. ..	3	1**	2	2
Research ..	2	—	—	—
Diploma in Biology ..	1	—	1	1
TOTALS ..	69	1	61	46

\*Doctor's certificate.—Senate has granted permission for examination in September.

\*\*Doctor's certificate, gone to Sanatorium.

*Agricultural Diploma Course.*—This class was conducted by Dr. Gwendolen Rees. Mr. John Lewis and Mr. J. Downey are worthy of special mention.

*Intermediate Course.*—The class worked satisfactorily. Mr. Theodore White is worthy of special mention, as also are Miss C. A. Hopkins, Mr. L. J. McHardy and Mr. W. A. Weale.

*Subsidiary Course.*—Mr. T. I. Davies and Mr. D. P. Jones are worthy of special mention.

*Subsidiary Course in Agricultural Zoology.*—Mr. Stephen Williams, the only student, deserves special mention.

*Final Course.*—The work was on the whole disappointing, seven out of fourteen failing to satisfy the examiners. Mr. D. C. Lloyd is worthy of special mention, however, and Miss M. D. Jones may also be mentioned.

*Honours Course.*—Mr. J. R. W. Jenkins supervised the Entomological portion of the work, Dr. Gwendolen Rees the Helminthology, Dr. E. Watkin the Oceanography, and myself the Genetics. Both the candidates, particularly Miss Gwenith Williams, worked satisfactorily. They were both placed in the Second Division of the Second Class.

*Research.*—I have, with Dr. J. R. E. Jones, carried out a considerable amount of field and laboratory work in connection with the West Wales River Pollution Sub-Committee's investigation into the causes and prevention of pollution associated with lead mining. Two reports have been issued through the Ministry of Agriculture and Fisheries. The work is part of a scheme being carried out in collaboration with the Departments of Chemistry and Botany. Since 1919, when the River Rheidol was not only destitute of fish life, but also almost so of the invertebrate forms which constitute their food, there has been a gradual, but continuous recovery, so that the present invertebrate fauna would appear now to be in sufficient abundance to support a moderate fish population.

Dr. Emrys Watkin has, during the session, extended his investigations on herring shoals to the waters of the South and East of Ireland, and has prepared a further paper for publication.

Dr. Gwendolen Rees has published two papers containing the results of research upon parasitic trematode worms, one in *Parasitology*, and the other in the *Proceedings of the Zoological Society of London*; and a third paper has also been accepted for publication in the latter journal.

Dr. Margot Metcalfe has been continuing her work upon Cecidomyid pests of Clover under a University of Wales Fellowship at Rothamsted Experimental Station, and the work which she had previously carried out at Aberystwyth has now been published in the *Quarterly Journal of Microscopical Science*. She has been awarded a Commonwealth Fellowship, under which she will proceed next year to Johns Hopkins University, U.S.A.

Dr. J. R. E. Jones, also a holder of a University of Wales Fellowship, has carried further his work upon the Effect of Dissolved Metallic Salts on Aquatic Animals. He has also, as indicated above, co-operated in work under a scheme of investigation under the West Wales Pollution Sub-Committee. Dr. Jones will migrate for the second year of his Fellowship to the University of Cambridge.

Mr. Evan Davies, B.Sc., has been carrying out research throughout the session on parasitic worms of animals, and has published a paper in the last number of *Parasitology*. This and other results of his work he hopes to present as a thesis for the degree of M.Sc. in December.

*Diploma in Biology.*—In co-operation with the Department of Botany, a Diploma in Biology has been established this session to take the place of the Diploma in Animal and Human Biology. The course has been arranged upon elastic lines, so that a candidate may, in accordance with his previous knowledge either share his time equally between the two Departments or give it in greater part to one or the other. Mr. P. P. Jenkins, B.Sc., pursued the course to the satisfaction of both Departments, and was awarded the Diploma.

I gave again this year at the invitation of the Department of Education, a short course of lectures and laboratory work on the biological foundations of Hygiene, to the fourth year students-in-training as teachers.

As forecast in my last report, Dr. Watkin, Dr. Rees and myself conducted a party of students during the long vacation to visit a series of Universities and places of biological interest in Denmark, South Sweden, and North Germany. The visit was made possible for the students by the award of Travelling Scholarships and was well worth while. An interest-

ing feature was the arrangement through the National Union of Students for intercourse with the students of the foreign University towns visited, namely Copenhagen, Lund, Hamburg, and Berlin; at the three latter we were invited to the Students' Unions or Hostels, where we lunched. Of particular interest biologically were visits to the Danish Marine Biological Station at Nyborg (whose Director, Dr. Blegvad, not only took us out dredging and allowed us other facilities at the Station, but amused us at the Copenhagen Tivoli Gardens and Circus), to the Carlsberg Laboratory at Hillerup, where Dr. and Frau Johann Schmidt entertained us with much kindness, to the Museum of Zoology in Copenhagen, where my friend, Dr. Mortensen, was again very kind, to the Danish Freshwater Biological Station at Hillerød, where our thanks were due to Dr. Wesenburg Lund, and to the Swedish Agricultural Experimental Station at Svalof, where Dr. Nielsen-Leissner (who had visited Aberystwyth Plant Breeding Station) showed to us the work in progress. We visited also Karl Hagenbeck's Tiergarten and the Institute of Tropical Medicine at Hamburg, and the Museums of Natural History and Oceanography in Berlin.

Dr. Watkin again conducted a course in Biology in connection with the Handwork Summer School held at Aberystwyth during the long vacation.

Dr. Kathleen Carpenter, a former student of the Department, who will be remembered as a member of the staff and as a research worker, has been appointed Professor and Head of the Department of Biology in Washington College, Chestertown, Maryland, U.S.A. Mr. F. B. Khan, M.Sc., L.T., has returned to India, and been appointed Principal of the Government Intermediate College, Etawah, U.P. Among recent students of the Department who have obtained appointments are the following:—Miss Lilian M. Radmore, as Second Biology Mistress at the High School for Girls, Swansea; Miss Eirlys Thomas as Biology Mistress at Abersychan Secondary School; Miss Margaret Thomas as Biology Mistress at Tredegar County School; Miss Elsie Dobson as Assistant Mistress in Physical Training at the Western Road Central School for Girls, Mitcham, Surrey.]

The thanks of the Department are due to the Library Staff of the College for carrying out during the session the complete re-cataloguing and re-arrangement of the Departmental Library. Substantial additions have again been made to the Library this session in the form of foreign publications received in exchange for the *Marine Report* of the Department. These include publications from about sixty scientific institutions in all parts of the world.

We are much indebted to J. B. Willans, Esq., J.P., for his good offices in obtaining for us a very valuable gift of South American birds from P. St. J. Lascelles, Esq., of Pitfield, Sarn, Newtown, Montgomeryshire, which were shot by Mr. Lascelles' grandfather, Capt. Lascelles, R.N. We are also indebted to Mr. James, of Halesgreen, Aberystwyth, for obtaining for us a gift of jaws of sharks and rays from his brother, Dr. H. L. James, in London; also to Mr. J. R. W. Jenkins for presenting the Department with a geyser.

Miss Blodwen Williams has continued to prove herself a very conscientious and capable Laboratory Steward.

I feel it is my duty to call attention to the fact that the number of students has steadily increased during the last few years and that laboratory accommodation for practical classes is becoming inadequate.

In conclusion, I thank my colleagues, Dr. Emrys Watkin and Dr. Gwendolen Rees, for their helpful co-operation in the affairs of the Department generally, and Mr. J. R. W. Jenkins for his help as Special Lecturer in Entomology.

*Publications by students :*

Mr. EVAN DAVIES. "On a Trematode, *Ityogon mus lorum* (Duj. 1845), with Notes on the Occurrence of Other Trematode Parasites of *Talpa europaea*. in the Aberystwyth Area." *Parasitology*. Vol. 24. No. 2. pp. 253-259. Pl. XII. with figs. 1-5. 22nd June, 1932

Miss MARGOT E. METCALFE. "The Structure and Development of the Reproductive System in the Coleoptera with Notes on its Homologies." *Quarterly Journal of Microscopical Science*. Vol. 75. Part 1. pp. 49-129. Pls. 7-10 and 49 text-figs. February, 1932.

### BOTANY.

PROFESSOR L. NEWTON.

The number of students for the Session 1931-32 and their distribution has been as follows :—

Grade.	No. of Students registered at beginning of session.	No. withdrawn during the session.	No. taking University Exams.	No. passed.
Intermediate ..	35	—	32	23
Subsidiary ..	25	—	25	23
Final Pure ..	5	—	4	4
Hons. 1st Yr.				
Pure ..	6	—	6	6
Hons. Botany with Agri.				
Botany ..	3	—	3	3
Hons. 2nd Yr.				
Pure ..	7	—	7	7
Hons. Botany with Agri.				
Botany ..	3	—	3	3
Research ..	1	—	—	—
Biology Diploma ..	1	—	1	1
TOTALS ..	86	—	81	70

*Staffing.*—At the end of last Session, Miss Ashton left the staff to spend a year at the London Day Training College. Owing to the increased numbers in the Department a full-time Demonstrator, Mr. C. G. Dobbs, was appointed in her place. This action was fully justified when it was found that the numbers had again increased, making approximately a 60% increment in two years. This is no doubt occasioned in part by the increased tendency to take Biology in boys' schools.

*Classes.*—The Intermediate students have worked well and are showing great promise. The work of Mr. L. McHardy is deserving of special mention. The Final and First Year Honours Classes have

maintained a good standard, but the work of the Subsidiary Class is weak. The Second Year Honours Class in Pure Botany is worthy of commendation. The work of its students throughout the year has been characterised by neatness and enthusiasm and the theses were especially well presented. Miss E. A. Lewis, Miss G. K. Nicholas and Miss B. Wardle all obtained First Class Honours in the Degree examinations and the work of the class as a whole reached a high standard. The Honours students rendered valuable help with the demonstrating and have also undertaken duties in connection with the Library and with the collecting of flowering plants.

*Higher Degrees.*—In January, Miss Ashton presented her thesis on the winter bud of *Glaux maritima* for the degree of M.Sc. and her work received great commendation from the external examiner. In June, Mr. E. H. Chater was awarded an M.Sc. for a thesis on the control of noxious weeds.

The new laboratory has been in working order since the beginning of the Session and is of great value. The improved seating accommodation facilitates the use of the room as a lecture-room for class purposes and I am grateful to the Physics Department for the loan of a lecture-room when the numbers have needed more space than I could offer.

We were glad to have a party of staff and students from Nottingham University College using our laboratories during part of the Easter vacation.

The Botany Garden is now beginning to be established and to be of considerable value as a source of material. The bank has been cleared and it is hoped that the lower portion may soon be ready for planting.

*Research.* I have been working in conjunction with Professor James and Professor Laurie on the lead pollution of both the Ystwyth and the Rheidol. Miss E. A. Lewis and Miss W. M. Davies have prepared a thesis on this subject, the substance of which will be incorporated in a report to the Fisheries Board of the Ministry of Agriculture. It is hoped that the purely scientific aspect of the work may form the subject of a short paper in a Journal. I am also continuing the work which Professor Robinson began on *Taonia atomaria* and have begun some work in connection with the discharge of the spores of certain marine algae and their use as food for oyster larvae. In this connection, Mr. J. C. Ladd is at present working at Conway at the Fisheries Board Laboratory.

Mr. Chater is continuing his ecological work and has presented an M.Sc. thesis as has already been mentioned. Mrs. T. C. James is working on the plants of the submerged forest at Borth and Ynyslas. Both Miss R. Harries and Miss B. D. Gregory have been in close touch with the Department during the completion of their respective papers and it is hoped that both these pieces of work will appear shortly in current periodicals.

*Field Work.*—A number of field excursions have been conducted during the session, including an Honours excursion to Swanage. This latter occupied a week of the Easter vacation and gave the students the opportunity of seeing plant associations with which they were hitherto unfamiliar.

*Acknowledgments.*—I am again indebted to J. B. Willans, Esq., J.P., for gifts to the Library and also for an invitation to the students to visit his grounds. Major Mathias has also kindly allowed me to take the Honours students to his grounds, a privilege which was much appreciated.

Dr. Salter's never-failing interest and help is of more value than I can express. There have been few weeks during the year when he has not sent plants to the Department. In addition, he gave us the privilege of a lecture from him on the local mountain flora which he knows so well. Mr. Price Evans has very kindly given us a number of copies of his interesting paper on *Cader Idris* for use in the Library. To these and all the other friends who have helped us during the year I accord my grateful thanks.

I also wish to express my appreciation of the work of the staff and I should like to acknowledge the ever-ready help of Mrs. Campbell James.

*Publications by former students.*

Miss B. D. GREGORY. On the life-history of *Gymnogongrus Griffithsiae* Mart. and *Ahnfeltia plicata* Fries. *Annals of Botany* (in course of publication).

Miss R. HARRIES. Further contribution to the physiology of *Laminaria gametophytes*. *Proc. British Ass.* London, 1931.

## GEOGRAPHY AND ANTHROPOLOGY.

PROFESSOR C. DARYLL FORDE.

The number of students taking courses in the Department during the past session showed a slight decrease in the Subsidiary Grade, but the Second Year Honours Class rose to 21 of whom 19 took the Degree Examinations and 4 were placed in the First Class. The distribution for the past session has been :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	52	—	52	42
Final ..	52	—	52	49
Hons. 1st year	21	2	19	4 at I 1 at IIa. 9 at IIb. 5 at III.
Hons. 2nd year				
TOTALS	125	2	123	110

The work at the Subsidiary and Final (with First Year Honours) stages was very satisfactory, in the latter group there were only three failures from a large class of 52 and the excellent work done by the better members of that group promises well for the Second Year Honours Class next year. The work of the following students is especially worthy of notice :—Misses M. A. Richards and D. M. Tovey ; Messrs. G. E. Carter, S. G. Jarvis, W. E. Lewis, C. G. Parry, and G. C. Payne.

The Second Year Honours Class of the past session worked very well and the general level of attainment was high. The results justify the careful scrutiny of students' records before admitting or recommending them to join this class. The four candidates who obtained First Class—Misses E. M. Baker and M. B. Thomas and Messrs. A. R. Sansbury and D. L. Williams—maintained a very high standard throughout. Most of them were referred to in my report for 1931 as particularly promising

students. Miss E. Davies, who obtained H.I. also did very good work during the year and in the Degree Examination. Two very good students, Messrs. H. N. Ellis and J. B. Jarvis, were unfortunately prevented by illness from taking the Honours Examinations. Two Seminar groups were instituted at the Honours stage this session. The subjects of the essays to be submitted by the candidates for the Honours degree formed the basis of report and discussion by the members of the groups. This procedure worked very well and proved itself superior to purely private discussion of individual work by members of the staff. The students appear to have benefited from the opportunities for oral presentation of their material and from the criticism and suggestions of both staff and fellow students.

The arrangements reported last year for a course in Geomorphology for Final and First Year Honours students have worked very well and we are grateful to Professor H. P. Lewis and the Department of Geology for their willing co-operation.

The Magister degree has been obtained this session by three former undergraduate members of the department, all of whom have received assistance and general supervision of their work during past years. They are, Miss M. E. Orsman, who presented a thesis on "Changes in the Distribution of Population in Brittany"; Mr. L. S. Higgins, on "Changes in the sand dune coasts of South Wales"; and Mr. J. E. S. Orrin, on "Changes in the Distribution of Industry and Population in England and Wales during the twentieth century."

A number of students of this Department have been awarded College Travelling Grants which will enable them to undertake journeys in various parts of Western Europe during the Long Vacation. These opportunities afford a very valuable stimulus, and Honours students benefit very considerably from them. Mr. A. R. Sansbury, B.A., has been awarded a grant to enable him to attend the British Association Meeting at York in September.

Lectures to University and other Societies have been given during the past year by members of the Department in the following towns: London (British Association and Birkbeck College), Cambridge (University Geographical Club), Paris (International Geographic Congress), Aberystwyth, Llandrindod Wells, Fairbourne, Carmarthen and Chorley (Lancs.).

Visting Lecturers who came to the Department during the session included the Right Hon. Lord Raglan, Professor E. G. R. Taylor, D.Sc. of Birkbeck College, London, and Bryner Jones, Esq., M.Sc., of the Department of Agriculture for Wales.

A considerable amount of work by members of the Department has been published this session. It is listed elsewhere.

Papers will be read by members of the Department at the York Meeting of the British Association, and at the First London meeting of the International Congress of Prehistoric Sciences. I have accepted the invitation of the Kent Education Committee to give a short course of lectures at the Summer School arranged for August next.

The most cordial thanks are due to my colleagues for their loyal co-operation throughout the session. They have served the Department with great energy and efficiency.

## THE GENERAL LIBRARY.

SENIOR LIBRARIAN : MR. J. D. WILLIAMS.

Gifts were received during the session from the following donors —

- Benedict, Miss Clare, Basle : 1 vol.  
 Bryan, J. Davies, Esq., North Road, Aberystwyth. 84 Vols.  
 Brebner, Miss Mary, M.A., formerly Lecturer in German.  
     U.C.W. : 1 vol.  
 Chapman, Professor S., London : 1 vol.  
 Fleure, Professor H. J., D.Sc., Manchester : 1 vol.  
 Groves, Mrs. (jointly with W. B. Allen, Esq.), Penally, Pems. :  
     21 vols.  
 Harris, Miss E. M., Library Staff, U.C.W. : 2 vols.  
 Herbert, Messrs. Alfred, Ltd., Coventry : 3 vols.  
 Herbert, Sydney, Esq., M.A., Staff, U.C.W. : 1 vol.  
 Hilborne, R. H., Esq., U.C.W. : 1 vol.  
 Lewis, Frank R., Esq., U.C.W. : 1 vol.  
 McBain, J. W., Esq., F.R.S., Stanford Univ., U.S.A. : 1 vol.  
 Macmillan, Messrs., Publishers, London : 3 vols.  
 Macmillan, Harold, Esq., M.P., London : Pamphlet.  
 Millikan, Professor R. A., Pasadena, U.S.A. : 1 vol.  
 Morris, Dr. R. Owen, Aberdovey : 3 vols.  
 O'Donnell, C. J., Esq., London : 1 vol.  
 Owen, Professor Gwilym, M.A., D.Sc., Staff, U.C.W. : 1 vol.  
 Parry, Morris, Esq., Chester : 2 vols.  
 Peate, Iorwerth C., Esq., M.A., Cardiff : Pamphlets.  
 Powell, Rev. E. Worthington, M.A., Lyndhurst, Hants. : 1 vol.  
 Reychler, M. Lucien, Belgium : Pamphlets,  
 Roper, Miss E. G., London : 2 vols.  
 Rosenwald, Julius, Esq., New York : 1 vol.  
 Russell, Sir E. John, D.Sc., F.R.S., Harpenden : Pamphlets.  
 Steele, R. B., Esq., Vanderbilt Univ., U.S.A. : 1 vol.  
 Thomas, Walter, Esq., D.Sc., Pennsylvania : Pamphlets.  
 Truman and Knightley, Messrs., Ltd., London : 1 vol.  
 Vautier, M. Th., Chamalières : 1 vol.  
 Wheeler, T. B., Esq., M.A., Surrey : 1 vol.  
 Willans, J. B., Esq., Kerry, Mont. : 2 vols.  
 Winstanley, Miss Lilian, M.A., Staff, U.C.W. : 2 vols.  
 Woodroffe-Hicks, F., Esq., Langport : 1 vol.
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- Abô Academy, Finland : 1 vol.  
 Academie des Sciences, Helsingfors : 2 vols.  
 Academie des Sciences, Montpellier : 2 vols.  
 Academy of Science and Letters, Oslo : 1 vol.  
 American Museum of Natural History, New York : 3 vols.  
 American Relief Administration, Stanford Univ. : 1 vol.  
 Association of Head Mistresses, London : 1 vol.  
 Astronomer Royal, Greenwich : 3 vols.  
 Australia—The High Commissioner, London : 1 vol.  
     Council for Scientific Research, Melbourne : 1 vol.  
 Austrian Legation, London : 1 vol.  
 Ayrshire Cattle Society, Ayr : 2 vols.  
 Board of Education, London : Pamphlets.  
 British Academy, London : 3 vols.  
 British Engine Boiler and Electrical Insurance Co., Manchester :  
     1 vol.  
 British Museum Trustees, London : 11 vols.  
 British National Committee for Radio Telegraphy : 2 vols.  
 California Academy of Sciences, San Francisco : 2 vols.



- Canada—The High Commissioner, London : 1 vol.  
 Public Archives, Ottawa : 1 vol.  
 National Development Bureau, Ottawa : 1 vol.  
 Research Council of Alberta : 1 vol.
- Carnegie Endowment for International Peace, Washington :  
 9 vols.
- Carnegie Endowment (Division of Education), Worcester,  
 U.S.A. : 1 vol.
- Carnegie Institution of Washington : 1 vol.
- Carnegie Trust for the Universities of Scotland : 1 vol.
- Carnegie United Kingdom Trust, Dunfermline : 2 vols.
- China—Fan Memorial Institute, Peking : 3 vols.  
 Science Society of China, Nanking : 4 vols.  
 Science Institute, Shanghai : 1 vol.
- Commonwealth Fund, New York : 1 vol.
- Connecticut Academy of Arts and Sciences, U.S.A. : 1 vol.
- Czecho-Slovakia Republic Department of Statistics : Reports,  
 etc.
- Danzig Government, Riga : 1 vol.
- Department of Scientific and Industrial Research, London :  
 1 vol.
- “ Discovery ” Committee, London : Reports.
- Empire Marketing Board, London : Publications.
- Empire Cotton Growing Association, London : 2 vols.
- Erith Education Committee, Kent : Report.
- Field Museum of Natural History, Chicago : Publications.
- French Consul General, Cardiff : 3 vols.
- Geographical Association, London : 2 vols.
- Gifford Trustees, Edinburgh : 1 vol.
- Guild of Graduates, Univ. of Wales : 1 vol.
- Hannah Dairy Research Institute, Glasgow : Publications.
- Harper Adams Agricultural College, Newport, Salop : Reports,  
 etc.
- Harvard College Library, U.S.A. : 3 vols.
- H.M. Stationery Office, Shepherd's Bush, London : Monthly  
 Lists.
- Highland and Agricultural Society of Scotland, Edinburgh :  
 1 vol.
- Imperial Bureau of Plant Genetics, Aberystwyth : Abstracts.
- Imperial Economic Committee, London : Reports.
- India, Secretary of State for India in Council : 3 vols.
- Institute of Chemistry of Great Britain and Ireland : Proceed-  
 ings, etc.
- Japan—Japanese Financial Commission, London : 1 vol.  
 National Research Council : 1 vol.  
 Imperial Academy, Tokio : 1 vol.  
 Physical Society of Japan : 1 vol.  
 Institute of Physical and Chemical Research : 2 vols.  
 Chemical Society of Japan : 1 vol.  
 Physico-Mathematical Society of Japan : 1 vol.
- Kaiserl Leopold Deutsche Akademie, Halle : 1 vol.
- Labour Research Department, London : 1 vol.
- Leeds Philosophical and Literary Society : Proceedings.
- Library Association : Reports.
- Mexican Education Department : 1 vol.
- Musée Belge, Liège : 1 vol.
- Musical Association, London : 1 vol.
- National Academy of Sciences, Washington : 1 vol.
- National Library of Wales, Aberystwyth : 3 vols.
- National Museum of Wales, Cardiff : 3 vols.
- National Research Institute of History, Peking : 1 vol.

- Naturforschende Gesellschaft, Basel : 1 vol.  
 Naturforschende Gesellschaft, Zurich : 1 vol.  
 New Zealand—The High Commissioner, London : 1 vol.  
     Canterbury Museum : 1 vol.  
     Massey Agricultural College : Bulletins.  
 New York State Library, Albany, N.Y. : 1 vol.  
 Nyasaland, Director of Agriculture, Mombasa : 1 vol.  
 Pilgrim Trust, London : Report.  
 Railway Research Service, Westminster : 1 vol.  
 Red Poll Cattle Society, Ipswich, : 1 vol.  
 Rensselaer Institute, U.S.A. : 1 vol.  
 Rhodesia Chamber of Mines, Bulawayo : 1 vol.  
 Rhondda Urban District Council : 1 vol.  
 Rockefeller Foundation, New York : 1 vol.  
 Roumanian Agricultural Academy : 1 vol.  
 Rowett Research Institute, Aberdeen : Reprints.  
 Royal Dublin Society : 1 vol.  
 Royal Institute of International Affairs, London : 1 vol.  
 Royal Irish Academy, Dublin : 3 vols.  
 Royal Society of London : 6 vols.  
 Royal Society of Letters and Lund : 2 vols.  
 San Diego Society of Natural History, U.S.A. : 1 vol.  
 Stansborough Press, Ltd., Watford : 2 vols.  
 Technique Agricole Internationale, Rome : 1 vol.  
 Tifis Botanic Gardens : 2 vols.  
 Union Office of Census and Statistics, Pretoria : 2 vols.  
 United States Department of Commerce : 2 vols  
 Universities and Colleges :—  
     Adelaide : 1 vol.  
     Calcutta : 2 vols.  
     Canterbury, New Zealand : 1 vol.  
     Cambridge Univ. School of Agriculture : Memoirs.  
     Coimbra, Portugal : 1 vol.  
     Colorado : 2 vols.  
     Columbia : 74 vols.  
     Dacca : Bulletins.  
     Glasgow : 1 vol.  
     Iowa : 3 vols.  
     Japan—Taihoku, 1 vol ; Kyoto, 2 vols. ; Tokyo,  
         6 vols. ; Hokkaiado, 4 vols. ; Hiroshima,  
         2 vols. ; Ryojun, 2 vols. ; Kyashu, 2 vols.  
     Latvia, Riga : 2 vols.  
     La Plata : 2 vols.  
     Lille : 3 vols.  
     Macgill : 1 vol.  
     Madrid : 2 vols.  
     Mexico : 2 vols.  
     Minnesota : 2 vols.  
     Missouri : 3 vols.  
     Nancy : 2 vols.  
     New York State : 1 vol.  
     Oslo : 7 vols.  
     Paris : 1 vol.  
     Perugia : 1 vol.  
     Queensland : 1 vol.  
     Swansea : 1 vol.  
     Sydney : 2 vols.  
     Tientsin : 1 vol.  
     Texas : 1 vol.  
     Toronto : 1 vol.  
     Upsala : 5 vols.

Vermont : 1 vol.  
 Virginia : 1 vol.  
 Washington, St. Louis : 1 vol.  
 Washington State College : 1 vol.  
 Wales : 49 Theses.  
 Yale : 3 vols.

Washington : Bureau of Standards : 2 vols.  
 Wellcome Chemical Research Laboratories : Publications.  
 Welsh Mountain Sheep Breeders' Association : 1 vol.  
 Western Theological Seminary, Swanston, U.S.A. : 1 vol.

Calendars and prospectuses were received from the following Universities, Colleges, etc.—Aberdeen ; Armstrong College ; Auckland ; Bangor ; Bristol ; Birmingham Technical ; Birkbeck ; Brighton Technical ; Bedford College for Women ; Canterbury, New Zealand ; Cape Town ; Colorado ; Cairo ; Dublin ; Durham ; Edinburgh ; Holloway ; Hong Kong ; Hull ; Imperial College of Technology ; King's College, London ; Leicester ; London School of Economics ; London University ; Liverpool ; Manchester ; Nottingham ; Princeton, U.S.A. ; Pretoria ; Queensland ; South Africa ; St. Andrews ; Reading ; Trinity College of Music ; Tasmania ; Southampton ; Toronto ; University College, London ; City and Guilds of London Institute, etc.

The following were presented by the publishers:—The Highway ; Books Abroad ; Belgrade Economic Review ; British Russian Gazette ; Elder Dempster Review ; Machine Tool Review ; Food Technology ; The International Student ; Technical Instrument Bulletin ; West African Review ; Paraviana ; Friedens-Warte ; Forschugen und Fortschritte ; News and Notes on Fascist Corporations ; Canadian Gazette ; Wilson Bulletin ; The University ; University Correspondent ; Y Ddolen ; Bible in the World ; The New Church Magazine ; The Bribery News Sheet ; The Abolitionist ; Ontario Bulletin ; Cyprus Agricultural Journal ; Queen's Quarterly ; etc.

The arrears of binding to which reference has been made in previous reports have now ceased to exist. As binding is expensive, efforts should be made to prevent the accumulation of unbound volumes, i.e., books should be sent to the bindery as soon as possible after purchase.

We have been indebted as in previous years to the Library Co-operation scheme and I am pleased to report that we on our part have been able to help by the loan of books to other College libraries and institutions. Among the latter I may mention the Royal Society of England which had failed to procure a certain mathematical work elsewhere in the kingdom.

This is the last report I shall have the honour to present. I shall be retiring in September of this year after having served as sub-librarian and librarian for forty-one years, as librarian for more than thirty years. My career in the library commenced in September, 1891, in the Principal's drawing room in the old Castle House, where the books had been stored after barely escaping destruction in the fire of July, 1885. The removal to the present fine room took place in December, 1892, after the opening ceremony by Mr. Acland, the Minister of Education, in the previous November. I have thus seen the library growing to its present proportions, with a staff of four instead of one.

My relations with both teaching staff and students have been cordial throughout the years and I always felt that I had their esteem and respect. I feel especially grateful to those members of the teaching staff who at a recent function showed their regard for me in a very tangible form. I

conclude by wishing my successor an equally pleasant time, and by expressing my thanks to Miss Felstead, the junior librarian, and Miss E. M. Harris, the assistant cataloguer, both of whom have willingly given me every assistance.

Miss Felstead's report for the session follows.

#### REPORT OF MISS E. C. FELSTEAD.

##### *Statistics.*

Volumes dealt with during year :	Already in Library	1,022
"    "    "    "    "	Accessions .. ..	3,078
	Total .. ..	<u>4,100</u>

Books issued to readers (General Library only) from  
October 1st, 1931, to June 30th, 1932 .. .. . 8,651

Seminar libraries of five departments were dealt with during the session. That of the Zoology Department was entirely re-organised. A scheme of classification was evolved and a complete Author Catalogue and Shelf-List were compiled.

Card Catalogues were made for the English, Welsh, and Welsh Literature departments, and the periodical collection of the Geology Department was checked and catalogued together with the publications of the Geological Survey.

Early in the session I gave a short talk to a small number of students on the use of the Library, with explanations of the Catalogues and the Classification. Later, at the request of Professor Treharne, I addressed the students of the History Department.

Work on a Subject Catalogue of books in the General Library has been commenced. All accessions since April, 1932, have been subjectised, and some of the older books have been dealt with. The cards for this catalogue are type-written.

At the request of the Editor, we have revised and augmented our contribution to the "World List of Scientific Periodicals," a second edition of which is to appear shortly.

The General Library was counted during the Long Vacation, and the Science Library during the Easter Vacation.

I attended the Conference on Libraries in Wales and Monmouthshire, held at Aberystwyth on May 19th and 20th, 1932.

#### ART AND CRAFTS GALLERY.

BY THE CURATORS.

During the past session a large number of valuable gifts have been received. Mr. Davies Bryan has presented the Gallery with a very complete and valuable series of pottery vases, and other objects, unearthed last season by Professor J. Garstang, of Liverpool University, at Jericho (Palestine). This collection includes specimens, and in some cases complete groups, from tombs of the Bronze Age, and represent successive archaeological phases of the Middle and Late Bronze Age, corresponding

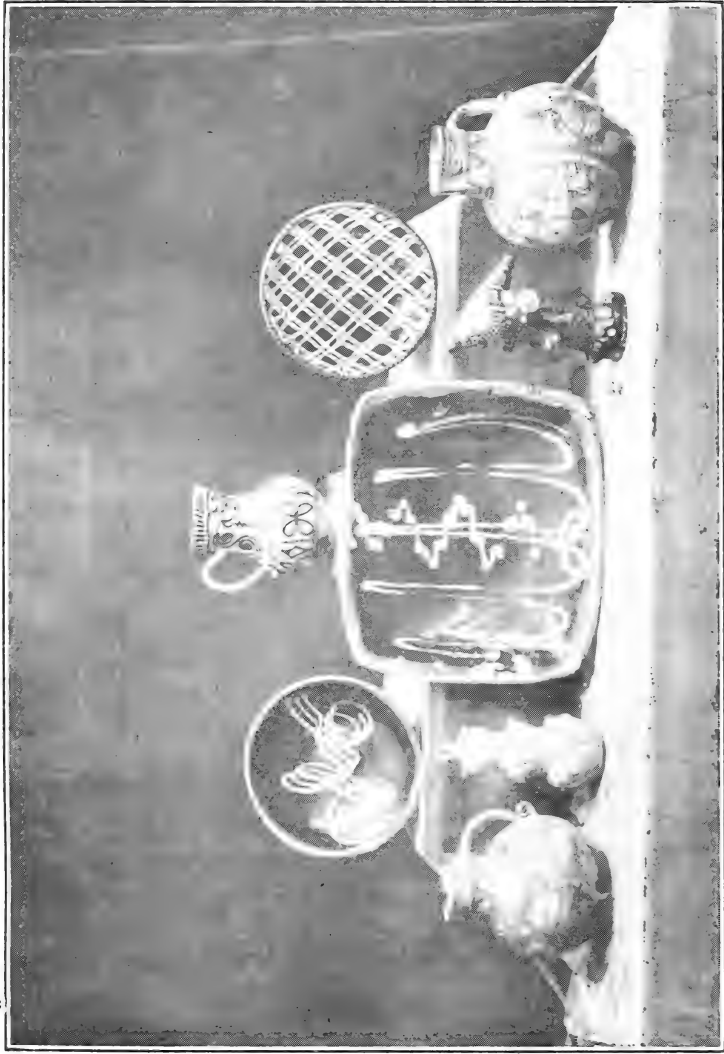


CRAFT GALLERY—RECENT ACQUISITIONS.



FOLK CRAFT OF WOOD, MAINLY WELSH.

UPPER ROW.—Bowls and a "Pigin."  
SECOND ROW.—Carved Boat Tiller (local).  
THIRD ROW.—Two Pepper Grinders, Two Vases, and Four Sailmaker's Presses.  
LOWER ROW.—Bitter Prints and Oateake Crushers.



FOLK CRAFT POTTERY, WITH SLIP DECORATION.

Upper Row.—Two Dishes from Anglesey ; Jug from Montgomeryshire.  
Lower Row.—Two large Jugs from Fremington, N. Devon ; centre-Dish from Derbyshire ;  
Bird, N. Wales ; second from left, Money Box.





with epochs in the fortunes of the historic city from 2000 B.C. down to its fall about 1400 B.C. Among them may be specially noted—

- (I) A set of 30 types from Tomb A., B.C. 2000-1800 B.C., showing a remarkable variety of forms and skill in the making of pottery by hand, at a period not hitherto illustrated in museum collections.
- (II.) Twenty selected vases of special quality from Tomb 9, showing the high quality attained in the Nylesos Period, c. 1700 B.C., after the introduction of the wheel.
- (III.) The complete tomb group No. 22, containing about 80 specimens, including a number of instructive types, dated about 1650-1550 B.C.
- (IV.) A smaller tomb group, No. 15, complete, illustrating the transition to Late Bronze Age style, c. 1550 B.C.—1500 B.C.
- (V.) Selection of specimens from Tomb 5, among which is a set of objects foreign to Palestine (from Cyprus and Egypt) which are attributable to the occupation of Jericho by the Pharaoh Thatmose III, 1500—1450 B.C.
- (VI.) Series of objects from Tomb 4, illustrating the changing art of the locality in the 15th century B.C. down to the fall of the City about 1400 B.C.

An exceptional opportunity offered itself during the session which enabled the College to secure from Anglesey a fine series of 28 dishes, mostly of acknowledged Welsh type, and which in many ways differed in character very considerably from those already in the collection (see illustration). This gives the opportunity of displaying what is probably as fine a selection as any in the country. Besides these, two unusual examples were purchased in Derbyshire (see illustration). Three rare pieces of local craftsmanship were added to those already in the collection, namely, an ivory marling pin, sailmaker's press, and a decorated butter print. These were obtained at Haverfordwest. A very fine African ivory spoon and many wooden ones have also been purchased.

Amongst other purchases have been a fine stoneware dish recently made by the renowned Potter, Shoji Hamada, of Mashiko, in Japan, which shows in design something akin to our own work of the 18th century and also a decorative stoneware bowl by Miss Deborah Harding, of Letchworth.

From the Gregynog Press :—

“The Plays of Euripides,” Vols. I. and II., translated into English Rhyming Verse by Gilbert Murray, LL.D., D.Litt., with wood-engravings from the Greek Vase Paintings by Robert Ashwin Maynard and Horace Walter Bray.

“The Fables of Esop,” translated by William Caxton, with engravings on wood by Agnes Miller Parker.

“Comus,” by John Milton, with wood-engravings by Blair Hughes-Stanton.

From the Raven Press :—

“Samson Agonistes,” by John Milton, wood-engravings by Robert Ashwin Maynard.

“Venus and Adonis,” with wood-engravings by Horace Walter Bray.

“The Book of Tobit,” from the Apocrypha,” with wood-engravings by Horace Walter Bray.

The following additional purchases of books have been made :—

“A.B.C. of Indian Art,” by J. F. Blacker.

“A.B.C. of Japanese Art,” by J. F. Blacker.

“A.B.C. of Collecting Old Continental Pottery,” by J. F. Blacker.

“A.B.C. of English Salt Glaze Stoneware from Dwight to Doulton,” by J. F. Blacker.

The following prints have been acquired :—

- Coloured woodcut, "Trout," by A. W. Seaby.
- Coloured woodcut, "Rabbits," by Y. Urushibara.
- Coloured etching, "Boats," by O. Pam (Austria).
- Lithograph, "The Vice-President," by Vincent H. Lines.

In addition to the valuable gift from Jericho, Mr. Davies Bryan has also presented two specially designed mahogany cases in which to display the collection.

Other gifts of importance are two slipware jugs, presented by Col. Fossett Roberts, which were made at Fremington, near Bideford, N. Devon. These very typical jugs were evidently made purposely for the original owners who lived at Aberystwyth. The following are the inscriptions on them :—

Ann Davies, Aberystwyth, 1818, and Ann Doughton, 1827.  
(See illustration.)

Similar jugs are to be found in the British Museum, the Fitzwilliams at Cambridge, and in the collection at Exeter.

Mrs. Fossett Roberts also kindly presented an interesting piece of Bristol glass.

A collection of 112 Engravings and nine paintings was presented by Miss E. C. Livesey, Southsea, Portsmouth. The engravings are by R. Earlom from the original drawings by Claude Lorrain (1600-1682) in the collection of the Duke of Devonshire, published in 1774-5.

An interesting decorative Zulu costume was presented by Dr. George Green. Mr. H. W. Seton Karr, London, presented five prehistoric implements (Neolithic and Palaeolithic), from Somaliland, E. Africa. Mrs. J. R. W. Jenkins presented a dish and a plate belonging to a Staffordshire Stone Chinaware and also a small Battersea enamelled patchbox.

Mr. Jenkin Humphreys has again presented two very good Welsh love spoons, an old soap cutter, and a Flail (Ffust), an implement used for threshing corn.

Mrs. Katherine Bearn, Littlehampton, Sussex, presented a water colour sketch of Borth; Mr. W. R. Edwards, Llanafan (per Mr. G. M. Job, student, U.C.W.), Indian implement. Miss Florence Williams, late of Glascoed, presented a piece of valuable pottery by Martin Bros., London, and also an interesting animal toy, probably Indian.

Very grateful thanks are offered to the donors of the above valuable gifts. With the consent of the Senate, loans of prints are to be made to the Women's Hostels of the College, and a similar loan, with the addition of other craft work, to Coleg Harlech. It is proposed to change the exhibits each session. Owing to Mr. Bryan's munificent gift and the necessary re-arrangement which this will involve, a scheme for the general respacing of the show cases will be essential, so that the various objects shown will be in their proper groups. To attain this it will be necessary to have at least eight new showcases, so as to complete the filling of the gallery. Four of the cases will be long and upright, two square and upright, and two shallow wall cases. With the present congestion of exhibits this has become essential for satisfactory display. It is to be hoped that some generous donor will present some or all of these now very necessary cases. They have been designed and estimates for them obtained.

## HALLS OF RESIDENCE FOR WOMEN STUDENTS.

SENIOR WARDEN : MRS. K. GUTHKELCH.

Once again I am happy to report a satisfactory year's work at the three Halls of Residence, and the continued and helpful co-operation of Miss Macgregor and Mrs. Hart. In Alexandra Hall another year's loyal and efficient work has also been done by Miss C. Thomas, Secretary, and Miss Patterson, House-mistress. I have during the session slightly re-organised the domestic work, and now employ a lady cook-caterer to control the stores and kitchen staffs, and to act as head cook, instead of having a lady caterer, who took no share of the cooking.

The health of the women students was once again comparatively good, although a mild outbreak of influenza during the spring term raised the number of cases of illness above normal. Of these none was serious, and the trained nurse (Nurse Sill) dealt with them most kindly and efficiently. She also dealt cleverly and kindly with all the cases nursed at Glen View—a tedious case of diphtheria during the Michaelmas term, tonsillitis, etc. This was an experimental year for the admission of women students, at their own request, to the already existing Men's Medical Scheme at College, and its apparent success has led to their permanent admission and to the cessation of our former scheme. I have therefore to put on record the deep gratitude of the three Wardens and of the women students to Dr. Abraham Thomas, for many years the medical practitioner employed by the Hostels, and for all those years unflinching in the generous and efficient service he gave us.

I should like also to offer my thanks to Mr. Dan Jones of the Art Department for inaugurating a scheme for lending us pictures and other art work. This scheme has had nearly a year's trial at Alexandra Hall with great success, and is, I understand, to be extended to the two smaller Halls. The loans are to be changed from time to time, and they afford the students a splendid opportunity of becoming familiar with first-class work.

During the session every effort was again made to reduce the debts on the three Halls by receiving tenants and Vacation Schools, etc. The list for the period from July, 1931, to July, 1932, is as follows :—

- Alexandra Hall* : (1) National Young Life Campaign (five weeks, July—August, 1931).  
 (2) Entrance Scholarship Candidates, Easter, 1932.
- Carpenter Hall* : (1) Geography and Geology Summer School (U.C.W.)—August, 1931.  
 (2) Training Department Students, September, 1931.  
 (3) Short Course for the Clergy of the Diocese—Easter, 1932.
- Plynlymon* : (1) Overflow (for three weeks) from the National Young Life Campaign, July—August, 1931.

This visit of the National Young Life Campaign was their fourth, and they are coming again to Alexandra Hall and Plynlymon in July—August, 1932; this proves their appreciation of our efforts.

The number of women students in residence at the beginning of session 1931-32 was :—

Alexandra Hall	..	..	..	..	136
Carpenter Hall	..	..	..	..	55
Plynlymon	..	..	..	..	49

**OFFICERS' TRAINING CORPS.**

MAJOR H. F. STIMSON, T.A. RES.

1. *Strength.*

1923-24	..	2 Officers.	78 Officer Cadets.
1924-25	..	2 "	87 "
1925-26	..	4 "	93 " "
1926-27	..	4 "	93 " "
1927-28	..	2 "	101 " "
1928-29	..	1 "	104 " "
1929-30	..	2 "	102 " "
1930-31	..	2 "	105 " "
1931-32	..	2 "	100 " "

2. *Training.*

(a) **GENERAL.**—The standard of the recruits enlisted was well up to the average.

(b) **SPECIAL.**—The Intensive Course held on April 13th—19th was attended by two Officers and 54 Cadets and valuable work was done.

(c) **MUSKETRY.**—There has been a steady increase in the interest taken in miniature and open range practice. Cadet Sergt.-Major E. Williams was the best shot of the trained men and Cadet W. H. Davies of the recruits. 2nd-Lieut. T. E. Owen (6th R.W.F.) won the Officers' Vase at the Glamorganshire Rifle Meeting with a score of 47 out of a possible 50.

3. *Armistice Day.*

The Corps as usual formed the Guard of Honour at the Memorial Service on the Castle Grounds on November 11th, 1931.

4. *Commissions.*

Cadet T. E. Owen was gazetted into the 6th R.W.F. on 27th January, 1932; Cadet G. P. Jones, 4th May, 1932.

5. *Certificates.*

The following qualified for Certificates as under :—

Certificate "A."	—	Officer Cadet J. H. Cooper.
"	"	A. S. T. Leach.
"	"	J. Morgan.
"	"	G. Thomas.
"	"	A. Whiteside.
"	"	G. E. Carter.
"	"	E. Counsel.
"	"	C. H. Davies.
"	"	B. Harries.
"	"	S. G. Jarvis.
"	"	I. B. Jenkins.
"	"	J. K. T. Jones.
"	"	W. H. Jones.
"	"	M. S. Price.
		2nd-Lieut. J. H. Evans.

Certificate "B."—Officer Cadet W. C. Davies.

6. *Annual Camp.*

The cancellation of the annual Camp was a great disappointment to all ranks, and owing to there being no contingent private fund, it was impossible to arrange for a special camp on a voluntary basis. The question of a private fund is a pressing one.

7. *Command.*

Major H. F. Stimson has been granted a special extension of two years and will therefore retain command of the unit until April, 1934.

8. *Shooting Match.*

A match between a rifle team from H.M. Aircraft Carrier *Furious* and the Contingent resulted in a win for the former. Major Stimson and P.O. Black (H.M.S. *Furious*) both made nine consecutive bull's eyes at 200 yards.

9. *Acknowledgment.*

I am again indebted to Professor T. Campbell James for his sympathetic interest and help.

## AGRICULTURE.

PROFESSOR J. JONES GRIFFITH.

The following table shows the number of students pursuing the various courses of study in the Agricultural Department during the past session :—

*Degree Course :—*

1st year	..	..	..	..	..	..	8
2nd year	..	..	..	..	..	..	8
3rd year	..	..	..	..	..	..	7
4th year	..	..	..	..	..	..	5
Postgraduate	..	..	..	..	..	..	5

*Diploma in Agriculture :—*

1st year	..	..	..	..	..	..	3
2nd year	..	..	..	..	..	..	4
3rd year	..	..	..	..	..	..	6

*Diploma in Dairying :—*

1st year	..	..	..	..	..	..	8
2nd year	..	..	..	..	..	..	4

Short Course in Agriculture	..	..	..	..	..	..	18
Continuation Course in Agriculture	..	..	..	..	..	..	9
Short Course in Dairying	..	..	..	..	..	..	14
Special Course in Dairying	..	..	..	..	..	..	3

*Degree Course.*

Only one or two of the students pursuing the final course this year were capable of doing work above the average in quality. The others were rather weak in regard to both the practical and the scientific aspects of the subject. Eight out of the ten candidates presented for the University Examination were successful.

Among those who took the subsidiary course there were two or three really excellent students and it is expected that they will do particularly well when they get to the Honours stage of their Course. Other members of the subsidiary class appeared to experience some difficulty in making satisfactory progress with the work, especially during the first term, but they improved considerably towards the end of the session.

*Agricultural Diploma Course.*

The number of students taking this course was about the same as we have had during recent years. The work of most of these students was of fairly high standard. All of them took a keen interest in their studies and made very creditable progress.

*Short and Continuation Courses.*

The short course students formed quite a good class. About half of them qualified for entry to, and pursued, the continuation course.

*Dairy Diploma Course.*

There were more students than usual taking the first year course and with the exception of one or two they worked remarkably well throughout the session. In fact some members of this class are in many respects the most promising students we have in the Agricultural Department.

The second year dairy students were few in number and, unfortunately, rather below the average in quality.

A very encouraging feature of our work in the dairy line during the year was the number of posts in commercial dairying in various parts of England and Wales which were filled by our Diploma students. There appears to be at present a good demand for persons who are well qualified in Dairying and Bacteriology to take up official positions at various types of dairy factories.

In conclusion, I wish to express my deepest gratitude to all members of our staff for the very loyal manner in which they co-operated with the work of the department.

### AGRICULTURAL CHEMISTRY.

PROFESSOR T. W. FAGAN.

The total number of students attending classes in Agricultural Chemistry was sixty-five. Their distribution is shown in the following table:—

Short Course in Agriculture .. .. .	18
Continuation Course in Agriculture .. .. .	9
Diploma Course in Dairying .. .. .	13
Diploma Course in Agriculture .. .. .	13
Degree Subsidiary .. .. .	10
Honours .. .. .	1
Research .. .. .	1
	65

This shows an increase of ten over the number attending the classes last year.

#### *Short Course and Continuation Courses in Agriculture.*

Very satisfactory work was done by both these classes. All were keen and showed great interest in the subject. Fifty per cent. of those attending the Short Course returned to take the Continuation Course and of these, eight were successful in the examination held at the completion of the course. One student did not complete the examination owing to family bereavement.

#### *Diploma Course in Dairying (1931).*

This was an exceedingly good class and all were successful in obtaining the College Diploma. Six members of the class presented themselves for examination for the National Diploma in Dairying and all were successful, Miss Muriel Davies, a member of this class, being the only student of the year to obtain the National Diploma in Dairying with Honours.

The first and second year students have all worked well and in each set there are some who show considerable promise.

#### *Diploma Course in Agriculture.*

Five members of the third year class qualified for the College Diploma, and in the examination for the National Diploma in Agriculture, five were successful in Agricultural Chemistry. The first and second year students have worked well and give promise of developing into a very good final class, in each set there are one or two outstanding members.

#### *Degree Subsidiary.*

This class was slightly larger in number than last year. All took a serious view of their work, and apart from one member of the class who was absent from the examination through illness, all were successful in their examination.

*Honours.*

Mr. Walter Meredith Ashton, who did excellent work in Agricultural Chemistry, took Honours, Class I., in Chemistry with Agricultural Chemistry.

*Post-Graduate.*

Mr. Henry Tawelfryn Watkins, B.Sc., presented his thesis on "The Effect of Manures upon the Nitrogen and Mineral Constituents of Pastures," and was awarded the M.Sc. degree.

*Research.*

In conjunction with the Welsh Plant Breeding Station Staff and that of the College Farm, Nantcellan, the following investigations are in progress :—

1. The effect of manures on the nitrogen and mineral content of the herbage of pastures (Third Year).
2. The influence of habitat on the mineral content of grasses and clovers (Second Year).
3. The influence of manures on grassland productivity.

Mr. Alun Jones Pugh, B.Sc., an old student of the Department, who in 1928 was awarded a Ministry of Agriculture Research Scholarship and has been working at Rothamsted, is now in America visiting the soil research stations of that country.

In conclusion, I gladly take this opportunity of thanking my colleague, Mr. R. O. Davies, M.Sc., for his very efficient and loyal co-operation in all the work of the Department.

**AGRICULTURAL BOTANY.**

MISS KATHLEEN SAMPSON.

The number of students taking courses during the session 1931-32 was as follows :—

Research	..	..	..	..	..	..	2
Degree : Honours	..	..	..	..	..	..	3
Final	..	..	..	..	..	..	3
Subsidiary	..	..	..	..	..	..	8
Diploma in Agriculture :	1st year	..	..	..	..	..	3
	2nd year	..	..	..	..	..	4
	3rd year	..	..	..	..	..	6
Diploma in Dairying :	1st year	..	..	..	..	..	8
	2nd year	..	..	..	..	..	3
Continuation Course	..	..	..	..	..	..	9
Short Course	..	..	..	..	..	..	19
							<hr/>
							68
							<hr/>

*Diploma.* The Diploma students made satisfactory progress. Mr. J. Pritchard and Mr. Richard Thomas attending the Short and Continuation Courses, deserve special mention. Seven students qualified for the College Diploma in Dairying in the summer of 1931. Four of these were awarded the National Diploma in Dairying, Miss Muriel Davies obtained honours and was placed first in the list. Five students received the College Diploma in Agriculture ; three students presented themselves as candidates in Agricultural Botany at the National Diploma in Agriculture examination and all were successful.



*Degree.* The subsidiary class contained several good students who worked steadily. Those students who were unsuccessful in the previous session made very satisfactory progress this year. Seven students entered for the sessional examination and six passed. One student was absent through illness.

The final class of three students did good work and all passed the examination in the joint subject Botany with Agricultural Botany. Two will proceed to honours in 1933. The three students working for honours showed uniform keenness and ability and were placed in Class II., Division 1 of the Honours list.

The department appreciates greatly the kindness of Professor Stapledon in lending his bungalow at Frongoch for a vacation camp and in helping students financially in order that they may gain experience in research methods. Four students are at present assisting members of the research staff.

*Higher Degrees.* The degree of M.Sc. was awarded in January to Mr. Arthur Rhys Beddows, B.Sc., his thesis which reached a high standard was entitled "Seed Setting and Flowering in Various Grasses." Mr. R. A. Silow, B.Sc. (Reading), obtained the M.Sc. degree in June for a thesis dealing mainly with the phenomena of inter-fertility and sterility in certain species of *Trifolium* and *Lotus*. Mr. F. H. Peto, M.Sc. (Alberta), presented a thesis of outstanding merit entitled "A Study of Meiosis and Mitosis in Certain *Lolium* and *Festuca* species, their Hybrids and Derivatives," and was awarded the degree of Ph.D.

Mr. Ahmed Ali Querashi, M.Sc. (Punjab), working under the direction of Mr. T. J. Jenkin, is making satisfactory progress. He hopes to present a thesis for the Ph.D. degree next year.

Lectures were given by Mr. T. J. Jenkin, M.Sc. (Plant Breeding and Genetics); Captain R. D. Williams, M.Sc. (Plot Technique); Mr. D. Walters Davies, B.Sc. (Applied Mycology); Mr. E. T. Jones, M.Sc. (Oats); Mr. M. T. Thomas, B.Sc., and Mr. W. E. J. Milton, N.D.A. (Grassland Agronomy); Mr. H. G. Chippindale, M.Sc. (Physiology). The department is greatly indebted to the above-mentioned members of the advisory and research staff who have given courses or special lectures. Mr. T. J. Jenkin, Mr. E. T. Jones and Mr. H. G. Chippindale have also helped the department this session by supervising students engaged in research work.

*Past Students.* Among recent students who have obtained appointments are the following:—Mr. Elwyn James, as Lecturer in Agriculture in the County of Glamorgan; Mr. J. O. Thomas, as Student Assistant in the Department of Agricultural Botany at Bangor; Mr. John Saer, as Agricultural Science Master at the Bala County School; Mr. B. L. Sethi, as Research Assistant at one of the Government Agricultural Research Institutes in India.

*Research.* Mr. D. Walters Davies, in addition to his routine advisory work, is engaged upon experiments dealing with the control of a number of diseases which are notably destructive in this area, among which may be mentioned clover mildew, American gooseberry mildew, "Finger and Toe" of crucifers and covered smut of barley.

Miss Poulter has continued her study of cleistogenes in certain grasses and has begun oecological work on the root nodules of white clover.

I have completed some observations on a new species of *Olpidium* occurring in the roots of *Agrostis* spp. and given a paper on this subject at a meeting of the British Mycological Society. A number of diseased golf sods have been examined and a short account of the disease known as "Snow mould" has been published.

Further work is in progress on the genetics of bunt resistance in wheat, smut diseases of oats, *Epichloe typhina* and the endophyte of *Lolium*.

I wish to take this opportunity of recording the great debt which the department owes to the generous help given by members of the staff of the Plant Breeding Station, and of thanking the Director for making available excellent facilities for research.

I desire finally to thank Miss Poulter for the keen and efficient manner in which she has worked for the department.

### WELSH PLANT BREEDING STATION.

DIRECTOR: PROFESSOR R. G. STAPLEDON, M.A.

The year under report has been an exceedingly difficult one. Unfortunately it has been necessary to reduce the salaries of the staff all round and to curtail expenditure in every direction. This not only as the result of the reduced grants from Government Departments, but also consequent upon decreased donations from benefactors to the Station.

Two things stand out in strong relief; firstly, the response made by all grades of the staff to the sacrifices which they have had to make, and, secondly, their hearty co-operation relative to all necessary economies. The result has been that the work of the Station in all essentials has, for the time being at all events, suffered very little and it has been possible to maintain all the primary researches according to plan.

As a result of the general depression fewer parties of farmers and fewer scientific investigators have visited the Station than in any previous year. It is significant that not a single continental scientist has visited the Station during the period under review.

From the point of view of the work of the Station this relative freedom from visitors has been something of the nature of an alleviation and an appreciable set off to the difficulties inherent in the financial situation with which we are beset. In connection with these latter difficulties it is furthermore satisfactory to be able to report that the negotiations with the Seed Trade have reached a happy conclusion. The consequence of this has been that we have disposed of the "stock seed" available of our pedigree seeds to the leading seed firms who are arranging for growing-on and disposal. This arrangement has been the more satisfactory in that it has resulted in the necessity of providing a credit column to the Station's ledgers.

The arrangements made between the Station and the Welsh Agricultural Organisation Society for dealing with our pedigree oats have also proved entirely satisfactory and a comparatively large experimental distribution of the white winter oat bred by Mr. E. T. Jones was put into operation through the intermediary of the Society last autumn.

In so far as the actual breeding work is concerned it is interesting to report that we have now reached the position when it has been possible to institute field trials with some of the more promising strains of red clover bred by Captain Williams, while preliminary isolations are also being carried out with some of the white clover strains.

Mr. Jenkin is making excellent progress with his important genetical studies on the grasses and continues to contribute valuable papers to the *Journal of Genetics*.

The general researches on grassland are being pushed forward and owing to the hearty co-operation of Mr. Stanley M. Bligh, of Cilmery Park, Bulth Wells, and Captain G. L. Bennett Evans, of Peithyll, we have been able to develop our work on poor grasslands and on the open hills without any very serious curtailment.

The Station is deeply indebted to the Davies-Bryan Trustees, who have placed two additional fields on the Penglais Estate at the disposal of the Station rent free. This has gone some way towards appeasing the very serious land hunger from which the Station was suffering.

**IMPERIAL BUREAU OF PLANT GENETICS : HERBAGE PLANTS.**

DIRECTOR : PROFESSOR R. G. STAPLEDON, M.A.

The work of the Bureau, like that of the Plant Breeding Station, has had to be adjusted in sympathy with reduced financial resources. Every credit is due to Dr. R. O. Whyte, and to the staff of the Bureau, for the manner in which they have responded to the sacrifices they have been called upon to make. The present year has done much to consolidate the position of the Bureau and the quarterly publication, *Herbage Abstracts*, has been widened in its scope and now undoubtedly ranks as a really important scientific quarterly which is greatly appreciated by herbage workers not only in the British Empire but in all parts of the world. The staff of the Plant Breeding Station benefits to an ever-increasing extent by having the Bureau situated in Aberystwyth and working in intimate association with the Station.

**AGRICULTURAL ECONOMICS.**

PROFESSOR A. W. ASHBY.

There were five candidates for Final B.Sc. in Economics and Political Science with Agricultural Economics; and one candidate for Final B.Sc. in Geography and Economics and Political Science taking the "agricultural" option in Economics; following Final courses in the Department. All these succeeded in attaining Pass standard. The one Honours candidate in Economics with Agricultural Economics attained Class 2A in the examination. Mr. T. G. Shirname, B.Ag. (Bombay), obtained a Ph.D. degree after two years' study in the Department, with great credit to himself. Another candidate for Ph.D. failed to present his thesis and entered on other work before the end of the session.

My colleagues, Mr. J. Llefelys Davies, M.Sc., and Mr. J. Glynne Williams, B.Sc., M.S., were largely responsible for the teaching of Honours and Pass subjects, especially those relating to Marketing. Mr. J. Pryse Howell, M.Sc., gave a course of lectures on Farm Management to Short Course and Continuation Course students, and Mr. W. H. Jones, B.Sc., assisted the lecturer in Farm Accountancy (Mr. E. B. Hicks) with instruction in that subject.

In October last an additional appointment was made and Mr. W. H. Jones, B.Sc., joined the staff as Permanent Assistant. He will be engaged mainly on the Farm Management side of the Department's investigation and general work.

*Extra-Mural Work.*

Messrs. Glynne Williams and W. H. Jones conducted classes in Montgomeryshire. Members of the staff generally have been responsible for lectures in other centres. Addresses have been given at special conferences and meetings in many parts of the Principality; and members of the staff have attended a number of committees of Public Authorities, National Farmers' Union, and co-operative societies for purposes of consultation and discussion of various agricultural projects. Mr. Davies, in particular, has been associated with creamery developments in Carmarthen and Cardigan. Mr. Davies and I have been called upon for special lectures in England. The summary of this work is as follows:—

	Meetings.
Three classes .. .. .	24
Lectures, Addresses .. .. .	46
Committees, etc. (Consultative and advisory work) .. .. .	12

### *Joint Scheme—Co-operative Advisory Work.*

Two very successful conferences were held under this Scheme, namely, in October, 1931, and May, 1932. The latter was probably the most successful conference yet arranged under this Scheme, although others had been regarded as quite satisfactory in both attendance and results. A review of the position in respect of existing and prospective supplies and prices of farm requirements, especially fertilisers and feeding stuffs, was made a special feature of the October conference; and it is proposed to arrange one in September next for the purpose of making another such public review. Full reports of both these conferences have been issued. The analyses of accounts of co-operative societies still continues and the Department is in fairly close touch with these societies, especially in their new developments, practically throughout Wales.

### *Research.*

The Department is now keeping financial accounts for about 75 farms scattered over the Principality. Each farmer is given a statement of his current yearly results, and some special analyses and comparisons are made for farmers. The material thus obtained is now being analysed and collated with a view to the issue of a complete report on financial results on Welsh farms with suggestions of causes of variability of earnings. Short preliminary reports have been issued from time to time.

The study of prices of farm produce has been continued with the assistance of Mr. R. Henderson, B.Sc. A report on "A study of the Effects of the Meat Imports (Prohibition) Order, 1926, on Prices of Pig Meat" has recently been issued. But reference should be made to the list of publications for a more complete statement of the subjects which have occupied the attention of members of the staff, and the results obtained.

### *Publications.*

A list of publications is appended. But it should be mentioned that the Department regrets that it was unable to make more than three issues of *Farm and Market* during the past year. We have again co-operated with the staff of the Welsh Agricultural Organisation Society in the preparation of *Agricultural Business* of which there have been three issues.

### *General.*

The general progress of the research and advisory work of the Department has again been satisfactory. Efficiency in working has been raised by the provision of additional accommodation of which the Department had been in need.

Recognition of the interest of all members of staff in the various activities of the Department is due, and I wish to record my appreciation of their loyal and active support.

In April last the Minister of Agriculture (The Right Hon. Sir John Gilmour, D.S.O.) offered me appointment on the Milk Reorganisation Commission, and with the consent of the Principal, subsequently confirmed by Council, I accepted. As service on this Commission necessitates considerable periods of absence from Aberystwyth, the Ministry of Agriculture has made a special arrangement for extra assistance during the period of my service. I am pleased to have this opportunity of special service to the dairy industry, and, at the same time, to know that the work of the Department will not be unduly restricted by my necessary absences. Mr. R. Henderson, who was appointed as a Special Temporary Assistant, is taking part in the general work of the Department.



Further enquiries for trained Dairy Bacteriological Assistants have been received from Dairy Companies during the last few months.

The summer vacation course has been designed to train students in the routine work required for such posts.

In addition to the Diploma Students four degree students are working in the laboratory during the course of this summer.

Miss Mair E. Jones, N.D.D., has been carrying on some further investigational work on heat resisting and thermophilic organisms of dairy products. This work was commenced by Miss Hetty Jones before she took up her appointment at Cardiff

#### *Research.*

In conjunction with the Staffs of the Dairy Department and the College Farm, Nantcellan, the following investigations are in progress :—

1. The presence of heat resistant and thermophilic organisms in raw and pasteurized milk.
2. The usefulness of the Reductase Methylene Blue test at 15°C. for the grading of raw milk, and at 55°C. for the examination of pasteurized milk.
3. The examination of a simple microscopical test for grading milk at cheese factories.
4. The bacteriological content of Graded Milk.
5. The laboratory control of ice-cream manufacture.
6. The micro-flora of fresh and ripened cream.
7. A bacteriological examination of pasteurized and sterilized cream.

## **LAND SURVEYING AND FARM BUILDING CONSTRUCTION.**

MR. G. T. BASSETT.

The Class was attended by five students who worked well and steadily through the two terms. They showed considerable keenness and did well in the Terminal examinations.

## **DAIRYING.**

MR. G. T. MORGAN.

The number of students taking courses in Dairying during the past session was as follows :—

2nd Year Diploma in Dairying	..	..	..	5
1st Year Diploma in Dairying	..	..	..	8
Diploma Students in Agriculture taking Dairying	..	..	..	4
Six weeks Courses in Practical Dairying	..	..	..	14
Special Courses in Practical Dairying	..	..	..	3

In September, 1931, four students qualified for the National Diploma in Dairying. One of our students—Miss Muriel Davies—gained the distinction of heading the list of candidates for this examination, and was the only candidate to be awarded the Diploma with Honours. It

should be mentioned that the examination for the National Diploma in Dairying is open to students of all Universities and Agricultural Colleges in Britain. It is gratifying to record that all those students who completed their Diploma Course last year have found suitable employment.

The increase in the numbers of men students attending courses in dairying during the past session is encouraging.

Large numbers of people who are interested in practical dairying visit the College Dairy each year in order to obtain information and advice on various problems connected with their work. Advice is generally sought in connection with the manufacture of various types of cheese, and during the past year many enquiries have been received concerning the manufacture of Ice Cream.

The work in practical dairying is considerably handicapped through lack of suitable facilities for the maturing of various types of cheeses—consequently the bulk of our produce has to be disposed of during the summer months before it is fully matured.

Miss C. Enidwen Jones, who was appointed temporary Assistant Instructress at the commencement of the year, obtained an appointment with United Dairies, London. Her successor is Miss Mair E. Jones, N.D.D. To both I wish to express my thanks for the very able way in which they have discharged their duties.

### AGRICULTURAL BOOK-KEEPING.

MR. E. B. HICKS.

The following students pursued the course during the session :—

					<i>No. of Students.</i>
<i>Junior Section.</i>					
Short Course	..	..	..	..	18
1st Year Dairy and Diploma	..	..	..	..	10
<i>Senior Section.</i>					
Degree	..	..	..	..	1
Diploma	..	..	..	..	5
2nd Year Dairy	..	..	..	..	4

The Book-Keeping Course was divided into two sections in accordance with the practice of the last two years. The section dealing with the interpretation of Farm Accounts, including Principles and Methods of Valuation, Tenant Right Valuation, Agricultural Credit, etc., was undertaken by Mr. W. H. Jones, B.Sc.

On the whole the students were somewhat below the standard of previous years. The class work was satisfactory, but in the written tests the students, with few exceptions, appeared unable adequately to express the knowledge that they have gained during the course.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF.  
SESSION 1931-32.**

*Latin and Greek.*

PROFESSOR J. F. MOUNTFORD.

A New Fragment of Greek Music in Cairo. (*Journ. of Hellenic Stud.* LI (1931), 91-100.)

MR. P. K. BAILLIE REYNOLDS.

Fifth Report (Pottery) on the Excavations at Caerhun. (*Archaeologia Cambrensis.*)

*German.*

MR. DAVID EVANS.

Translations. Detholiad o Andersen II. Illustrations by Mrs. David Evans. Hughes and Son, Wrexham.

Andersen's *Bilderbuch ohne Bilder*, etc. 50 p.

Andersen's *Sneedronningen*, 35 p.

W. Hauff *Die Geschichte von dem kleinen Muck*. 25 p.

Articles—

Nodion ar Wersi'r Ysgol. *Yr Heuwr* (yn fisol).

Rhai Problemau Diweddar. *Seren Gomer*. Mawrth a Mai, 1932.

Cymdeithas a Chrefydd. *Efrydydd*. Mai a Mehefin, 1932.

Esbonio yn y Dosbarth. *Yr Athro*. Ionawr, 1932.

Darlithiau ar y Sylw. *Cyfarwyddwr*. Tachwedd, 1931.

Goethe. (Yn y Wasg.)

DR. LUDWIG SCHENK.

Lucian und die französische Literatur im Zeitalter der Aufklärung. 160 p.

*History.*

PROFESSOR TREHARNE.

"The Personal Rule of Henry III and the Arms of the Baronial Reformers of 1258." Historical Revision No. LX. *History*, January, 1932.

Articles on English Medieval History under the letters F to L for the *Enciclopedia Italiana*.

Reviews and notices of books in *History*,—the *Economic Journal* and the *Manchester Guardian*.

My book on *The Baronial Plan of Reform, 1258-63*, will be published by the Manchester University Press in October.

MR. S. HERBERT.

"The American Revolution Reconsidered," in *Cambria*, April, 1932.

*Economics.*

PROFESSOR R. B. FORRESTER.

"Milk Price Margins." A Report on the Differences between Producers' Prices, Wholesale Prices and Retail Prices of Liquid Milk in Certain Large Cities in Different Countries. Empire Marketing Board. His Majesty's Stationery Office, June, 1932.

"Commodity Exchanges in England." Special Chapter in "The Annals" of the American Academy of Political and Social Science, Philadelphia, 1931.

"Some Aspects of Demand and Consumption in Relation to Marketing Studies." *Journal of the Agricultural Economics Society*, 1932.

*Welsh.*

PROFESSOR T. H. PARRY-WILLIAMS.

*Canu Rhydd Cynnar*. (Welsh University Press.)

Articles contributed to periodicals.



Mr. D. GWENALLT JONES.

*Rhethreg yn Ysgolion y Beirdd in Y Llenor.*

*Welsh Literature.*

PROFESSOR T. GWYNN JONES.

*Manion* (the first of a series of six volumes of collected works), Wrexham, 1932.

*Political Prophecy.* (A review of Welsh Vaticinatory material.) Denbigh, 1931.

*Music.*

PROFESSOR DAVID DE LLOYD.

- I. Six Englynyion Songs :
- (a) Y fun fud (No. 1).
  - (b) Yno.
  - (c) Myfyrdod y Bardd.
  - (d) Y fun fud (No. 2).
  - (e) Llwybr y bedd.
  - (f) Dirgelwch.

II. Arrangements in "Llyfr Canu Newydd."

- (a) Ceinion Conwy.
- (b) Chwilio Ty.
- (c) Roedd yn y wlad honno.
- (d) Y pedwar tymor.
- (e) Ym Mhontypridd mae nghariad.

(Oxford University Press and Univ. of Wales Press Board.)

*Pure Mathematics.*

MR. V. C. MORTON and MISS DOROTHY S. MEYLER.

Quadrics and quadric cones of a set of three associated Steiner Trihedral Pairs. *Proceedings of the London Mathematical Society*, Ser. 2. Vol. 33. Part 3.

*Applied Mathematics.*

Mr. T. LEWIS.

Some Special Solutions of the Equations of Axially Symmetric Gravitational Fields. *Proc. Roy. Soc., A.* Vol. 136. p. 176. 1932.

*Physics.*

PROFESSOR GWILYM OWEN.

"God and the Universe in the light of modern scientific thought." (C.M. Bookroom, Caernarvon.)

Mr. R. M. DAVIES.

"The rapid determination of moisture in seeds and other granular substances." (*Proc. Phys. Socy.* May, 1932.)

"Rapid Moisture Testing." (*Food Technology.* June, 1932.)

*Chemistry.*

(Note: The list of publications for 1930-31 was omitted in the 1931 Report and is therefore included in this.)

1. PROFESSORS T. CAMPBELL JAMES and R. D. LAURIE.

(a) Report on River Teify.

Ministry of Agric. and Fisheries: Standing Committee on River Pollution. Report No. 326. November, 1931.

(b) Report on River Twymyn.

Do. Report No. 324. November, 1931.

2. MISS ANNIE GWYNETH REES and Mr. L. J. HUDLESTON.

The solubility of sodium fluosilicate in aqueous sodium sulphate solution and the activity coefficients of sodium fluosilicate and the fluosilicate ion. *Journal Chemical Soc.* 1932.

3. MESSRS. DAVID THOS. LEWIS and L. J. HUDLESTON.

Fortuitous empirical relationships in chemical kinetics. *Journ. Chem. Soc.* 1932.

4. DR. DAVID MATTHEW WILLIAMS.  
The Dihalides of Pyridine. *Journ. Chem. Soc.* 1931.
5. DR. DAVID MATTHEW WILLIAMS.  
The Addition of Halogens to Unsaturated Acids and Esters,  
Part IV. The rate of addition of bromine to cinnamic acid  
in acetic acid solution. *Journ. Chem. Soc.* 1931.
6. MESSRS. DAVID GWYNNE DAVIES and C. R. BURY.  
The partial specific volume of potassium-octoate in aqueous  
solution. *Journ. Chem. Soc.* 1930.
7. MESSRS. JOHN GRINDLEY and C. R. BURY.  
The electrical conductivity of butyric acid-water mixtures.  
*Journ. Chem. Soc.* 1930.

#### Education.

DR. GEORGE H. GREEN.

Play interests and the Choice of a Career. Three articles published in *The Journal of Careers*, 1931-2.

Racial Prejudices in Children. *Discovery*, Feb., 1932.

The Cinematograph in the School. Four articles published in *The Welsh Outlook*, 1932.

Bridges of Understanding. Reprint of lecture delivered to the Education Meeting of the Annual Conference of the Welsh National Council of the League of Nations Union, 1932. Published in *The Welsh Outlook*, July and August, 1932.

#### Geology.

PROFESSOR H. P. LEWIS.

A sandstone with fluorspar cement and other sandstones from Cumberland. *Geol. Mag.* pp. 543-57. (1931.)

MR. J. CHALLINOR.

River terraces as normal features of valley-development. *Geography*. pp. 141-7. (1932.)

MR. J. I. PLATT, with Dr. K. A. DAVIES.

The conglomerates and grits of the Bala and Valentian rocks of the district between Rhayader and Llansawel. *Proc. Geol. Soc.* Abstract No. 1249. p. 97. (1932.)

#### Zoology

PROFESSOR R. DOUGLAS LAURIE, in collaboration with PROFESSOR T. CAMPBELL JAMES.

Preliminary Report on Pollution of the River Twymyn. Issued by the Ministry of Agriculture and Fisheries for the West Wales Rivers Pollution Sub-Committee of its Standing Committee on Rivers Pollution. Min. Agr. and Fish., 43, Parliament St., London. Serial No. 483. pp. 1-3. November, 1931.

PROFESSOR R. DOUGLAS LAURIE, in collaboration with PROFESSOR T. CAMPBELL JAMES.

Report on a Visit to the Head Waters of the River Teify on 13th September, 1930. Issued by the Ministry of Agriculture and Fisheries for the West Wales Rivers Pollution Sub-Committee of its Standing Committee on Rivers Pollution. Min. Agr. and Fish., 43, Parliament Street, London. Serial No. 483. pp. 1-2. November, 1931.

MISS F. GWENDOLEN REES.

"Some Observations and Experiments on the Biology of Larval Trematodes." *Parasitology*. Vol. 23. No. 4. pp. 428-440. Pl. XV. and 5 text-figs. November, 1931.

MISS F. GWENDOLEN REES.

"An Investigation into the Occurrence, Structure and Life-Histories of the Trematode Parasites of Four Species of Lymnaea in Glamorganshire and Monmouthshire." *Proc. Zool. Soc. London*. 1932. Part 1. pp. 1-32. Pls. 1-xv. March 30th, 1932.

*Botany.*

The late PROFESSOR WILFRID ROBINSON.

Observations on the development of *Taonia atomaria*. (Edited by L. Newton and R. Harries.) *Annals of Botany*. Vol. xlv. 1932.

PROFESSOR L. NEWTON and Mr. E. H. CHATER.

Report on the vegetation of the Afon Twymyn and Afon Laen. A study of the Rheidol Valley from Pont Erwyd and Devil's Bridge to the mouth. Reports of Ministry of Agriculture and Fisheries Standing Committee on River Pollution. Serial Number 489.

Miss P. M. SKRINE, Mr. E. H. CHATER, and PROFESSOR L. NEWTON.

A salt-marsh form of *Fucus ceranoides* L. from Llanbedr, Merioneth. *Annals of Botany*. Vol. xlvii. 1932.

PROFESSOR L. NEWTON and Miss B. D. GREGORY.

The life history of two so-called parasites and the bearing of recent work on the evolution of the Rhodophyceae. *Proc. British Ass.* London. 1931.

*Geography and Anthropology.*

PROFESSOR C. D. FORDE.

The Ethnography of the Yuma. University of California Press. 1931.

PROFESSOR C. D. FORDE.

Hopi Agriculture and Land Ownership. *Journal of the Royal Anthropological Institute*, 61. 1931. 357-405.

PROFESSOR C. D. FORDE.

A Creation myth from Acoma. *Transactions of the Folklore Society*. 61. 1932. 370-387.

MR. W. E. WHITEHOUSE.

Articles in *Encyclopaedia Italiana*.

MR. E. G. BOWEN.

The Racial Geography of Europe at the dawn of the Age of Metal. *Journal of the Royal Anthropological Institute*. 61. 1931.

A paper by Mr. W. Fogg will appear in the forthcoming volume *Aberystwyth Studies*.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF  
AND PRESENT AND PAST STUDENTS. SESSION 1931-32.**

*Agricultural Chemistry.*

PROFESSOR T. W. FAGAN and Mr. H. T. WATKINS.

"The Chemical Composition of the Miscellaneous Herbs of Pastures." *The Welsh Journal of Agriculture*. Vol. VIII. 1932.

PROFESSOR T. W. FAGAN and Mr. H. T. WATKINS.

"The Effect of Manures on the Nitrogen and Mineral Content of the produce of contrasting pasture types." *The Welsh Journal of Agriculture*. Vol. VIII. 1932.

*Agricultural Botany.*

Miss K. SAMPSON.

Diseases of Pasture and Forage Crops. *Encyclopaedia of Scientific Agriculture*. Vol. I. 1931.

The occurrence of snow-mould on golf greens in Britain. *Journ. Board of Greenkeeping Research*. Vol 2. No. 5. 1931.

Miss A. A. POULTER.

Occurrence of "cleistogenes" in certain grasses. *Nature*. Vol. 129. 1932.

*Welsh Plant Breeding Station.*

PROFESSOR R. G. STAPLEDON.

Self- and cross-fertility and vigour in cocksfoot grass (*Dactylis glomerata* L.). *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 161-180. 1931.

Improvement of rough and hill grazings. I. General review. *Journ. Min. Agric.* XXXVIII. pp. 1109-13. February, 1931.

Improvement of rough and hill grazings. II. Application of manures supported by heavy grazings. *Journ. Min. Agric.* XXXVIII. pp. 1215-22. March, 1932.

Improvement of rough and hill grazings. III. Sowing seeds; cultivation and manuring. *Journ. Min. Agric.* XXXIX. pp. 36-46. April, 1932.

Mr. T. J. JENKIN.

Self-fertility in perennial rye-grass (*Lolium perenne* L.). *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 100-119. 1931.

Self-fertility in Italian rye-grass (*Lolium perenne* var. *multiflorum*). *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. p. 120. 1931.

The inter-fertility of *Lolium perenne* and *L. perenne* var. *multiflorum*. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 121-125. 1931.

Swollen stem internodes and other characters in *Arrhenatherum Beauv.* *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 126-147. 1931.

Fertility in plants of the genus *Phleum*. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 148-159. 1931.

Self-fertility in *Festuca rubra*. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. p. 160. 1931.

**Mr. R. D. WILLIAMS.**

Self- and cross-sterility in red clover. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 181-208. 1931.

Self- and cross-sterility in white clover. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 209-216. 1931.

Self-fertility in lucerne. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 217-220. 1931.

Fertility of various herbage legumes. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 221-227. 1931.

Effect of a nitrogenous manure on white clover and a comparison of the productiveness of four types of white clover under simulated pasture conditions. *Welsh Journ. Agric.* VIII. pp. 163-170. January, 1932.

**Messrs. R. D. WILLIAMS and T. W. EVANS.**

Chemical composition of various white clovers and of Italian rye-grass. *Welsh Journ. Agric.* VIII. pp. 151-162. January, 1932.

**Mr. E. T. JONES.**

New varieties of white winter oats. *Welsh Journ. Agric.* VIII. pp. 102-124. January, 1932.

**Messrs. WM. DAVIES and T. EMLYN JONES.**

The yield and response to manures of contrasting pasture types. *Welsh Journ. Agric.* VIII. pp. 170-192. January, 1932.

**Mr. H. G. CHIPPINDALE.**

The operation of interspecific competition in causing delayed growth of grasses. *Ann. App. Biology.* 19. pp. 221-242. May, 1932.

**Mr. A. R. BEDDOWS.**

Seed setting and flowering in various grasses. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 5-99. 1931.

**Mr. R. A. SILOW.**

A preliminary report on pollen-tube growth in red clover (*Trifolium pratense* L.). *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 228-233. 1931.

Self-fertility of *Lotus* spp. *Welsh Plant Breeding Station Bulletin*, Series H. No. 12. pp. 234-240. 1931.

**Imperial Bureau of Plant Genetics: Herbage Plants.**

Bulletin No. 4. Abstract-Review of lucerne literature cited during the period 1925-30. Sept., 1931.

Bulletin No. 5. Research in progress on herbage plants, forage crops and general grassland problems in the British Empire. Sept., 1931.

Bulletin No. 6. Research on forage crops in Soviet Central Asia, with special reference to Turkestan lucerne. March, 1932.

Bulletin No. 7. Further contributions on the technique employed in the breeding of herbage and forage plants. May, 1932.

*Herbage Abstracts.* Vol. 1. No. 3.

Vol. 2. Nos. 1, 2, 3.

Supplement to *Herbage Abstracts.* June; September, 1932.

*Agricultural Economics.*

PROFESSOR A. W. ASHBY.

A Review of the Sheep Position and the Outlook for Sheep Farming in Wales. *Welsh National Sheep Conference Report*. Published by Welsh Department, Ministry of Agriculture, Aberystwyth.

Some Notes on Adult Classes in Rural Districts. *Journal of Adult Education*. (Reprinted.)

Historical and General Introduction to Farm Tenancy. *Encyclopedia of Social Science*.

PROFESSOR A. W. ASHBY and Mr. S. R. MORRIS.

A Remarkable Small Holding. *Ministry of Agriculture Journal*. Vol. 38. No. 8. November, 1931.

Mr. J. PRYSE HOWELL.

Milk Costs on Welsh Farms. *Welsh Journ. Agric.* Vol. 8. 1932.

Mr. J. LLEFELYS DAVIES.

Hides and Cattle Prices. *Welsh Journ. Agric.* Vol. 8. 1932.

Labour Requirements of Crops on Welsh Farms. *Welsh Journ. Agric.* Vol. 8. 1932.

Marketing of Sheep in Wales. *Welsh National Sheep Conference Report*. Published by Welsh Department, Ministry of Agriculture, Aberystwyth.

Rhai Agweddau ar Safon Byw mewn Ffermydd Cymreig. *Efrydydd*, March, 1932. (Reprinted.)

Mr. J. GLYNNE WILLIAMS.

Changes in Sheep Population of Wales. *Welsh Journ. Agric.* Vol. 8. 1932.

Mr. R. HENDERSON.

Partial Protection of the Fresh Pork Market—A Study of the Effects of the Meat Imports (Prohibition) Order, 1926. (Mimeographed.) Published by Department of Agricultural Economics, U.C.W., Aberystwyth.

REPORT OF CONFERENCE ON DEVELOPMENT OF AGRICULTURAL CO-OPERATIVE BUSINESS. (Mimeographed.) May, 1931. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

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SIR EDGAR R. JONES.

The Extension of the Application of Canning to Agriculture.

Mr. WILLIAM DAVIES.

Farmers' Co-operatives and Grassland Improvement in Wales and New Zealand.

Mr. J. GLYNNE WILLIAMS.

Some Variations in Costs and Profits in Co-operative Trading.

PROFESSOR A. W. ASHBY.

Some Needs of Co-operative Societies in Wales.

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Published by the Department of Agricultural Economics,  
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*Contents.*

PROFESSOR A. W. ASHBY (with Staff of Department).  
The Trend of Prices of Feeding Stuffs and Fertilisers.

Mr. J. MORGAN JONES.  
The Agricultural Marketing Act, 1931.

*Farm and Market.*

Vol. 2. No. 4. Sheep and Wool.  
Vol. 3. No. 1. Financial Results.  
Vol. 3. No. 2. Dairy Products.  
Published by the Department.

*Agricultural Business.*

Vol. 1. No. 4.  
Vol. 1. No. 5.  
Vol. 1. No. 6.  
Published jointly by Welsh Agricultural Organisation  
Society and Department of Agricultural Economics,  
U.C.W., Aberystwyth.

*Dairy Bacteriology.*

Mr. S. B. THOMAS, Miss P. M. HICKSON, Messrs. J. H. SUGDEN,  
H. CATTO and A. F. SLADDEN.  
"Some Aspects of the Graded Milk Movement in Wales." *Welsh  
Journ. of Agriculture.* Vol. VIII. pp. 214-222. 1932.

## ANNUAL REPORT OF THE COUNCIL TO THE COURT.

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### GENERAL.

The sixtieth Annual Report of the Council deals mainly with events in the College between 1st July, 1931, and 30th June, 1932.

The total number of students, including Short Course Students, who passed through the College during the past session was 819.

### STAFF.

The following appointments were made during the session :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. R. I. Aaron, M.A., D.Phil.	Professor.	Philosophy.
Mr. E. J. Wood, M.A.	Professor.	Latin.
Mr. Jerome D. Greene, M.A.	Professor.	International Politics.
Mr. Arthur ap Gwynn, M.A.	Librarian.	
Miss Marian E. A. Bowley, B.Sc.	Temporary Assistant Lecturer.	Economics and Political Science.
Miss Madeline Hubbard, B.Sc.	Demonstrator.	Botany.
Mr. Handel Edwards, B.A.	Part-time Assistant.	German.
Mr. T. Hughes Jones, M.A.	Full-time Tutor.	Extra-Mural Studies.
Miss M. F. Bassett.	Manageress.	Students' Union Refectory.
Mr. Frank Bassett.	Part-time Assistant.	Education.

Professor G. A. Schott, B.A., D.Sc., F.R.S., has been appointed Vice-Principal for two years from the beginning of the Session 1932-33.

Miss R. M. Creed, M.A., and Mr. Ifan ab Owen Edwards, M.A., Temporary Assistant Lecturers, have been appointed Probationary Assistant Lecturers in the Department of Education as from 1st October, 1931.

The appointment of Mr. D. Hughes Lewis, B.A., as Resident Tutor for Rural Areas, has been made permanent.



Mr. Victor Delemar has been re-appointed Part-time Assistant in the Department of French for the Session 1932-33, and Dr. Ludwig Schenk has been appointed Part-time Assistant Lecturer in the Department of German for the first two terms of Session 1932-33.

The title of Emeritus Professor has been conferred on Professor W. Jenkyn Jones, M.A.

The undermentioned appointments terminated at the end of the Session 1931-32, namely :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Vice-Principal Edward Edwards, M.A.	Vice-Principal.	
Professor W. Jenkyn Jones, M.A.	Professor.	Philosophy.
Professor J. F. Mountford, M.A., D.Litt.	Professor.	Latin.
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\*See new appointment as Part-time Assistant.

### GIFTS.

In addition to many gifts in kind to various Departments, the following donations and subscriptions were received during the year :—

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		£	s.	d.
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The Dinam Charity.	„	..	100	0 0
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Dr. G. H. Green.	Publicity	..	..	.. 1 1 0
Principal H. Stuart Jones.	„	..	..	.. 0 7 6

**SPECIAL LECTURES.**

Public Lectures were delivered during the session by :—

<i>Lecturer.</i>	<i>Subject.</i>
The Very Reverend W. Ralph Inge, K.C.V.O., F.B.A., D.D.	“ The New Twilight of the Gods ” (Inaugural Lecture).
Professor R. S. Conway, Litt.D., F.B.A.	“ Vergil as a Discoverer.” (Five lectures.)
Professor C. K. Webster, M.A., Litt.D., F.B.A.	“ The World Crisis.” (Six lectures.)
Professor R. B. Forrester, M.A., M.Comm.	“ Britain’s Overseas Trade.” (One lecture.)
Dr. F. W. Aston, F.R.S.	“ Mass-Spectra and Isotopes.” (Five lectures.)
The Right Hon. Sir Austen Chamberlain, K.G., P.C., M.P.	“ The Principles of British Foreign Policy.” (Presidential Address of Debates Union.)

**INTERCHANGE OF TEACHERS.**

The following lectures were given during the session under the scheme for the interchange of teachers :—

<i>Department.</i>	<i>Lecturer.</i>	<i>Subject.</i>	<i>No. of Lectures.</i>
Botany.	Professor R. C. McLean, M.A., D.Sc. (Cardiff).	“ The Chemistry and Physics of Sea Water.”	Two.
German.	Dr. Edna Purdie (Bangor).	“ Dramatic Tech- nique with special refer- ence to Schiller and Hebbel.”	Four.
Welsh.	Professor Ifor Williams, M.A. (Bangor).	“ Y Cynfeirdd ; Llyfr Aneirin.”	Four.

**SUMMER SCHOOLS.**

The College buildings were utilised for Summer School purposes in 1932 by the Educational Handwork Association and the Workers' Educational Association. In addition the halls of residence were used as a holiday centre by the National Young Life Campaign.

**TRAVELLING SCHOLARSHIPS.**

Grants were made to 42 present students of the College to enable them to visit many parts of Europe for purposes of study.

**COURSES OF INSTRUCTION IN LAW.**

The Special Course for Articled Clerks at Rhyl was again conducted in co-operation with the authorities of the University College of North Wales, Bangor.

**DEPARTMENT OF AGRICULTURE—SPECIAL GRANT.**

The University Council have continued the Special Grant of £200 from the Daniel Radcliffe Fund.

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**THE MEDIAEVAL BOROUGHES OF SNOWDONIA.** A Study of the rise and development of the municipal element in the ancient principality of North Wales and down to the Act of Union in 1536.

By E. A. LEWIS, M.A., D.Litt., Sir JOHN WILLIAMS Professor of Welsh History, U.C.W., Aberystwyth. 1912. 8vo., pp. xviii, 320. Cloth 7s. 6d.

**TEXTS FROM WELSH MSS.**

**The Laws of Howel Dda, Llanstephan.** MS. 116; ed. by T. LEWIS, M.A., Reader in Celtic Palaeography in the U.C.W., Aberystwyth, 1912. Super Roy., 8vo., pp. xviii, 124. Buckram, 12s. 6d.; or printed on Jap vellum (20 copies only), half-vellum, £2 2s. 0d.

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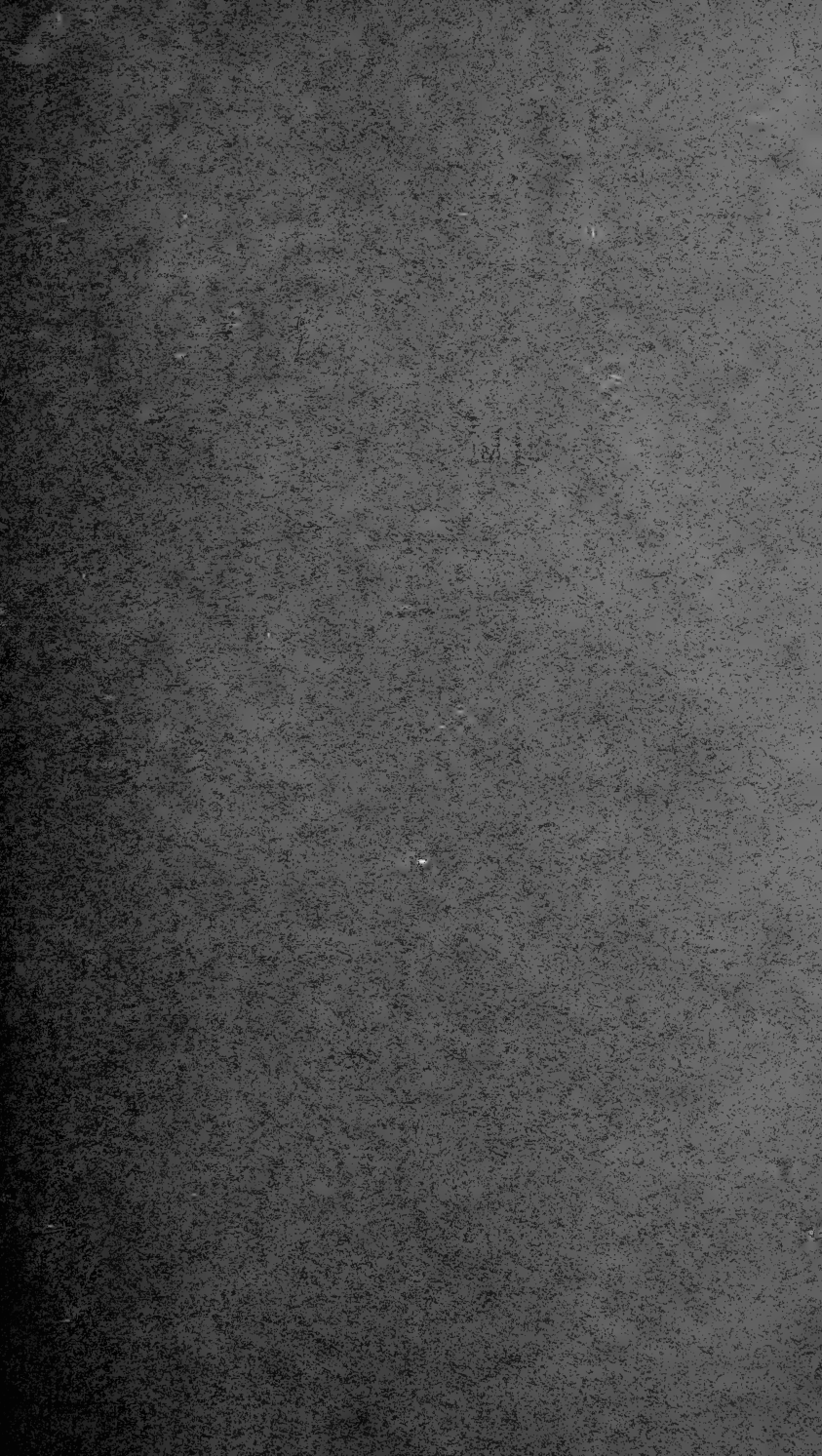


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# University College of Wales

ABERYSTWYTH.



## REPORTS

SUBMITTED TO THE

COURT OF GOVERNORS,

OCTOBER 18th, 1933.

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1933.

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NOTE.—*These Reports are issued in lieu of the College Calendar for the Sixty-second Session, 1933-34.*

EXTRACT FROM THE LATE MR. W. E. GLADSTONE'S  
SPEECH AT NOTTINGHAM.

The *Times* of September 28th, 1877.

Let me point to another case with which I am personally acquainted, to show you that wherever primary education is loved, the higher education must be loved and taught also. I speak of the country of Wales, in which I have the happiness to spend a large portion of my time ; and there is no part of the population of the country—and I say it freely and boldly in your hearing—there are few parts which can compete with Wales, and there is no part which can exceed it, from one end of the island to the other, in the earnest, ardent, and, I may say, passionate love for instruction. They are a religious people, and a people deeply enamoured of knowledge, and what they have done has been done with very little assistance. With no assistance at all from any public fund of any kind, they have, within the last five or six years, founded a large and important College at Aberystwyth. Is it possible for you to have a stronger proof that the existence of a love for primary education does lead on, and must lead on, to every great effort for the establishment of higher education ?

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I give and bequeath to the Treasurers, for the time being, of the University College of Wales, Aberystwyth, the sum of \_\_\_\_\_ (Free of Legacy Duty) for the purposes of the said College, out of such part only of my personal estate as may lawfully be bequeathed for charitable purposes, and preferable to all payments thereout ; for which Legacy the receipt of the Treasurers for the time being, of the said College shall be a sufficient discharge to my Executors.

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Clerk	E. Hamer.
Clerk	Ll. T. Jones.
Clerk	Ll. Roberts.
Clerk	H. Oliver.
Junior Clerk	D. H. Jenkins.
Office Boy	J. W. Hughes.

**ACADEMIC SECRETARY'S DEPARTMENT.**

Academic Secretary	G. J. Walker.
Academic Clerk	Miss M. M. Evans, B.A. (Wales).
Clerk	J. C. Davies.

**AGRICULTURAL DEPARTMENT.**

Clerk	A. Pugh.
Clerk	S. Jenkins.
Junior Clerk	D. R. Evans.
Messenger Boy	Norman Humphreys.

**AGRICULTURAL ECONOMICS DEPARTMENT.**

Clerk	G. O. Williams.
Clerk	D. B. Garner.
Statistical Assistant	Miss D. Davies.
Clerk	Brinley Jones.

**WELSH PLANT BREEDING STATION.**

Secretary	J. O. Parry-Williams.
Recorder	Miss Irene D. Rees.
Clerk	Miss Enid M. Jones.

**INTERNATIONAL POLITICS DEPARTMENT.**

Clerk	Miss J. E. Morris.
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**GEOGRAPHY DEPARTMENT.**

Clerical Assistant	Miss Hilda Edwards.
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**ECONOMICS DEPARTMENT.**

Clerical Assistant	Miss C. G. Hughes.
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**College Library.**

College Librarian	Arthur ap Gwynn, M.A. (Wales).
Sub-Librarian	Miss E. C. Felstead, F.L.A.
Library Assistant	Miss E. M. Harris.
Assistant	Miss N. Meredith.

**Wardens of the Halls of Residence for Women Students.**

Senior Warden and Warden of Alexandra Hall .....	Mrs. K. GUTHKELCH, B.A. (Lond.).
Warden of Carpenter Hall.....	Miss C. J. MACGREGOR.
Warden of Plynlymon Hall .....	Mrs. E. C. HART.

# REPORT.

1932—1933.

The Council have much pleasure in presenting the Report of the work of the College in its several Departments during the year ending 30th June, 1933, and, as usual, begin with :—

## THE PRINCIPAL'S REPORT.

It is my duty, in the first place, to follow the practice of former years by presenting to the Council the following tabulated statements :—

### I.

1. Number of students at opening of session, Michaelmas Term, 1933	801
2. Number of students at the beginning of Michaelmas Term, 1932	834
3. Number of new students at the beginning of Michaelmas Term, 1933 (144 men ; 74 women)	218
4. Number of new students at the beginning of Michaelmas Term, 1932 (164 men, 59 women)	223
5. Number of women students at the beginning of Session 1933-1934	252
6. Number of women students at the beginning of Session 1932-1933	268

II. Number of Students from the various Counties in Wales and from Monmouthshire :—

(1) NORTH WALES :—

	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933
Anglesey	2	2	1	1	2	—
Caernarvonshire	18	19	22	18	24	21
Denbighshire	22	28	33	31	32	25
Flintshire	7	9	8	6	12	10
Merionethshire	29	30	27	25	28	30
Montgomeryshire	39	28	33	35	42	40
	—117	—116	—124	—116	—140	—126

## (2) SOUTH WALES AND MONMOUTHSHIRE :—

	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933
Breconshire ....	11	12	13	20	23	17
Cardiganshire ....	119	116	109	119	123	130
Carmarthenshire	89	91	108	116	132	143
Glamorganshire	201	225	221	237	248	221
Pembrokeshire....	37	34	30	30	40	31
Radnorshire ....	4	5	3	5	3	5
Monmouthshire	51	55	61	76	77	71
	—512	—538	—545	—603	—646	—618

## (3) ADD TO THESE :—

	Session 1928	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933
From England, including Welsh and English students ....	50	54	50	34	37	50
From Scotland....	1	—	—	—	—	—
„ India ....	6	13	14	9	10	5
„ Burma ....	—	—	—	2	1	—
„ Canada ....	—	1	1	—	—	—
„ Hungary....	1	—	—	—	—	—
„ New Zealand	—	—	1	—	—	—
„ U.S.A. ....	1	—	—	—	—	—
„ Germany	—	1	—	—	—	2
	—59	—69	—66	—45	—48	—57
	688	723	735	764	834	—801
Students taking Short Course in Agriculture	21	18	12	14	10	10
	709	741	747	778	844	811

## III. Summary of the number of students in the various classes for Session 1933-34 :—

Greek, 40. Latin, 96. English, 177. History, and Colonial History, 162. Welsh History, 20. Economics, 139. Welsh, 111. Welsh Literature, 11. French, 122. German, 102. Philosophy, 81. Education, 14. Pure Mathematics, 83. Applied Mathematics, 38. Chemistry, 80. Physics, 71. Botany, 79. Zoology, 87. Geology, 102. Geography, 131. Agriculture, 21. Agricultural Chemistry, 38. Agricultural Botany, 49. Agricultural Economics, 2. Law, 85. Music, 94. Dairying, 15. Agricultural Short Course, 10. International Politics, 6. Art and Handicraft (Training Students 95, Diploma 7, Degree 9), 111. Professional Training 94.

## IV. The number of Students taking complete University Courses is 659 :—(First Degree 594, Post Graduate 65).

A.—Grants out of the Travelling Scholarship Fund were made to the following :—

	(i) FOR THE EASTER VACATION.	
<i>History :</i>	Gwenllian Hughes	£12
	Nancy Gwenhwyfar Evans	£12
<i>German :</i>	Olive Mary Harries	£12
<i>Chemistry :</i>	David Thomas Lewis	£10
<i>Botany :</i>	John Cyril Ladd	£7
	Mary Jane Reese	£7
	(ii) FOR THE SUMMER VACATION.	
<i>English :</i>	Eileen Louise Collard	£10
	Annie Avarinah Jones	£12
<i>Welsh :</i>	Thomas Samuel Davies	£9
	Elizabeth Margaret Jones	£9
	William Lewis Rowlands	£9
<i>French :</i>	Alan Walter Seedhouse	£10
	Ethel Mary Davies	£10
	Beatrice Agnes Gower	£10
	Ivor Charles Green	£10
	David John Griffiths	£10
	Martha Eluned Anne Morgan	£10
<i>German :</i>	William John Williams	£12
	Griffith George Davies	£12
	Gweno Mererid Ellis	£10
	Rachel Meiriol Owen	£12
<i>History :</i>	Dorothy Ann Newell	£10
	David George Stevens	£10
	Lilian Kathleen Lawrence	£10
	Garnet Lionel Thomas	£10
<i>Economics :</i>	Hugh John Evans	£10
	Ronald Williams	£10
	Maurice Gilford	£10
	Ernest Gwynne Watkins	£10
<i>Education :</i>	John Lewis Williams	£10
<i>Philosophy :</i>	David Richard Griffiths	£10
<i>Law :</i>	Ewan Perrins Wallis-Jones	£15
<i>Music :</i>	Graham Thomas	£15
<i>Mathematics :</i>	Jack Fuller Ractliffe	£10
	Benjamin Royston Jones	£10
	Jack Moore	£10
	Norman Fairfield Jenkins	£10
	David George Pryce	£10
<i>Physics :</i>	David Stephen Goronwy Lewis	£10
<i>Chemistry :</i>	Mansel Morris Davies	£10
<i>Geography :</i>	David Leslie Williams	£10
	William Edward Lewis	£10
	Rosetta Florence Phillips	£10
	Ruth Louise England	£10
	Mary Elizabeth Jones	£10
	Ivor Walker	£10
	Albert Thomas Allen	£10
<i>Physical Training :</i>	Hywel Nadolig Ellis	£10
<i>Zoology :</i>	David Price Jones	£12
	Thomas Idwal Davies	£12
	Thomas Walker	£12
	Theodore White	£12
	Sylvia Rosalind Williams	£12
<i>Agriculture :</i>	Stephen Williams	£10
<i>Economics with Agricultural Economics :</i>	Edward Donald Ashton	£10

B.—College Scholarships and Exhibitions were renewed to the following :—

FIRST YEAR, RENEWABLE FOR A SECOND YEAR.

John Arthur Jones, <i>David Davies Scholarship</i>	....	....	....	£40
Ethel Williams, <i>Price Davies Scholarship</i>	....	....	....	£25
David Lyndhurst Jenkins, <i>Price Davies Scholarship</i>	....	....	....	£25
Alun Davies, <i>Commercial Travellers Scholarship</i>	....	....	....	£20
Alun Lewis, <i>Mold Eisteddfod Scholarship</i>	....	....	....	£17
Frank Lewis Templeman, <i>Brereton Scholarship</i>	....	....	....	£10
Jessie Elizabeth Mary Edwards, <i>Sir Alfred Jones Scholarship</i>	....	....	....	£20
Ronald Stanley Short, <i>Sir Alfred Jones Scholarship</i>	....	....	....	£20
Annie Elizabeth Rees, <i>Elizabeth Davies Scholarship</i>	....	....	....	£20
John Arthur Rogers, <i>David Morgan Thomas of Caterham Memorial Scholarship</i>	....	....	....	£25
Benjamin George Jones, <i>R. H. Richards Scholarship</i>	....	....	....	£20
Oswald Beynon, <i>Joseph Thomas Scholarship</i>	....	....	....	£17
Cyril Raymond Williams, <i>Ellis Eyton Scholarship</i>	....	....	....	£10
Morfudd Morris, <i>Pritchard Scholarship</i>	....	....	....	£17
Angus John Brockhurst Higgins, <i>Marshall Memorial Exhibition</i>	....	....	....	£10

SECOND YEAR, RENEWABLE FOR A THIRD YEAR.

Emrys Mervyn Jones, <i>Elizabeth Davies Scholarship</i>	....	....	....	£20
Trevor Lewis, <i>David Davies Scholarship</i>	....	....	....	£40
David George Pryce, <i>Commercial Travellers Scholarship</i>	....	....	....	£20
Gwyneth Hilda Presley, <i>Brereton Scholarship</i>	....	....	....	£10



Raymond Kenneth James Grant, <i>Price Davies Scholarship</i>	....	....	....	£25
David George Stevens, <i>Sir Alfred Jones Scholarship</i>	....	....	....	£20
John Vernon Davies, <i>David Morgan Thomas of Caterham Memorial Scholarship</i>	....	....	....	£25
Thomas Idwal Davies, <i>R. H. Richards Scholarship</i>	....	....	....	£20
John Beddoes, <i>Humphreys Owen Scholarship</i>	....	....	....	£18
Angus John Brockhurst Higgins, <i>Joseph Thomas Scholarship</i>	....	....	....	£17
Eira Mary Lloyd, <i>Perrott Scholarship</i>	....	....	....	£10
Annie Avarinah Jones, <i>Cranogwen Scholarship</i>	....	....	....	£25

C. The following Exhibitions and Scholarships have been awarded for Session 1933-1934 on the results of the Entrance Scholarship Examination held in April, 1933.

*Open Scholarships.*

- Price Davies Scholarships* (£25 each) :—  
 Ronald Davies, Cyfarthfa Castle Secondary School, Merthyr Tydfil.  
 Elfyn John Richards, Barry County School.
- Dr. David Thomas Scholarship* (£25) :—  
 Sulwyn Lewis Albert Lewis, Amman Valley County School.
- Commercial Travellers Scholarship* (£20) :—  
 Benjamin John Griffiths, Fishguard County School.
- Pritchard Scholarship* (£17) :—  
 William Idris Williams, Caernarvon County School.
- Visitors Scholarship* (£25) for one year. Divided equally between :—  
 William Lloyd Jones, Denbigh County School.  
 Jane Ceridwen Williams, Llanfyllin County School.

*Closed Scholarships.*

- Sir Alfred Jones Scholarship* (£20) (Candidates resident in Wales) :—  
 Eileen Mary Payne, Pontardawe Secondary School.
- Sir Alfred Jones Scholarship* (£20) (Candidates resident in Borough of Carmarthen) :—  
 Divided equally between :—  
 Hetty King Davies, Carmarthen County School, and  
 Gwenith Margaret Lilian Harley, Carmarthen County School.
- Joseph Thomas Scholarship* (£20) for two years :—  
 David Howard Evans, Amman Valley County School.
- R. H. Richards Scholarship* (£20) for two years :—  
 Thomas Eilir Wynne Evans, Llandyssul County School.
- David Morgan Thomas of Caterham Memorial Scholarship* (£25) :—  
 John Ewart Davies, Cardigan County School.

*Edward Jones Scholarship (£20) for one year :—*

Mary de Lloyd, Aberystwyth County School.

*David Jenkins Music Scholarship (£25) :—*

John Cyril Courtman, Hawarden County School.

*" Mynyddog " Scholarship (£15) :—*

Elizabeth Megan Rees, Aberaeron County School.

*Mrs. Clarke Scholarship (£45) :—*

Gwilym Emrys Roberts, Pwllheli County School.

*Hon. Lewis Thomas Scholarship (£35) :—*

Inigo Jones, Aberystwyth County School and University College of Wales.

D. University Studentships and College Research Scholarships were awarded as follows for Session 1933-1934.

*University Fellowships and Studentships.*

*University Fellowships.*

Jack Killa Williams.

Dorothy Skeel Meyler.

Geraint Dyfnallt Owen.

*University Studentships.*

Morris Tregear Chapple.

John Robert Jones.

Mansel Morris Davies.

Ivor John Sanders.

*College Research Studentships, Exhibitions and Prizes.*

*Sir Garrod Thomas Fellowship* £150.

Walter Meredith Ashton.

*Keeling Scholarship* £50.

Nelian Rees.

*John Francis Scholarship* £40.

David Charles Lloyd.

*Thomas Stephens Scholarship* £25.

William Ernest Jones.

*Thomas Davies Scholarship* £70.

Robert David John Owen.

*Sir John Williams Studentships.*

Harold Meurig Evans, £100. First Year.

Herbert Noel Jerman. £100. First Year.

Arthur James Roderick. £50. First Year.

Griffith Aled Williams. £50. First Year.

Dewi Machreth Ellis. £100. Second Year.

John James Glanmor Davies. £33 6s. 8d. Third Year.

Mair Irene Rees. Grant of £40.

John Vyrnwy Davies. Grant of £40.

Ivor Gwynfil Rees. Grant of £20.

*Cydddelw Scholarship* £21.

William Lewis Rowlands.

*Robert Bryan Music Scholarship* £50.

Graham Thomas.

*Mrs. Frances Williams Art Exhibition* £14

*Divided equally between :—*

Jean Jones Davies.

Catherine Muriel Lloyd.

*Tom Jones Medical Scholarship.*

(No award).

*Rendel Medal.*

Tom Pugh Williams.

## DEGREE EXAMINATIONS,—JUNE 1933.

I.—Intermediate. F.T.—Further Test. S.—Subsidiary. F.—Final.  
H.1.—1st Year Honours. H.—Honours.

The students whose names are printed in italics have completed their examinations for graduation.

	ARTS.
<i>Adams, William Stephen</i>	H. Economics, II (1).
Adler, Gershom Abraham	I. English, I. History, I. Philosophy, S. German.
Aaron	
Arnold, William	F. Economics, F. Philosophy, S. His- tory.
Ashton, William	I. French, I. Geology, I. History, S. Economics.
Astley, Margaret Rosina May	I. German.
Bagnall, Gwendolen Mary	I. Latin, S. English, S. French, S. German.
Barfield, Hilda Ellen	S. Economics.
Beacham, Arthur	S. English, S. History, S. Economics.
Beddoes, John	F. Economics, F. Geography.
Bevan, Barbara Edith	I. English, I. French, I. History, I. Geology.
<i>Beynon, John Haydn</i>	H. Welsh II. (1).
Beynon, Oswald	I. Geology, S. Economics, S. Geo- graphy, S. History.
Bowditch, Linda Eliza	F. English, F. Geography, S. Geology.
Bridge, Alfred George	F. Economics, S. Education, S. His- tory.
Brunton, Madge	I. Greek, I. English, I. History, S. Latin.
Buckingham, Frederick Lewis	I. English, I. Welsh, I. Philosophy.
Charles, Harold John	I. Greek, S. Latin, S. English, S. Welsh.
Collard, Eileen Louise	Prelim. Latin, H. I. English.
Collins, Mari Rhiannon	S. Welsh, S. Geology, S. Geography.
Daniel, Margaret Glenys	S. English, S. French, S. Geography.
<i>Davies, Aelwyn</i>	H. French, I., and Oral Certificate.
Davies, Alun	Prelim. Latin, S. Economics, S. His- tory, S. Geography.
Davies, Arnold Vernon	I. Latin, S. English, S. French, S. German.
Davies, Arthur Lewis	S. English, S. History.
<i>Davies, Bridget Elfreda Lee</i>	H. French, II. (1)., and Oral Certificate.
Davies, Brynmor Lewis	I. Welsh, I. German, I. History, I. Geology.
<i>Davies, Catherine Cordelia</i>	F. French, I. Music, S. History.
Davies, Clarence Melville	I. English, I. History.
<i>Davies, Daniel Dilwyn</i>	H. Geography, III.
<i>Davies, David Jones</i>	F. Welsh, F. Philosophy, S. Econ- omics.
Davies, Edith Magdalen	
Elizabeth, B.A.	H. Economics, II. (1)
Davies, Eluned	I. Latin, S. English, S. Welsh, S. French.
Davies, Ethel Mary	F. English, F. Welsh.
Davies, Gilbert	F. English, F. Geography, I. German
<i>Davies, Goronwy</i>	H. Philosophy, II. (2).
Davies, Griffith George	F. English, F. French.

- Davies, Horace
- Davies, John  
 Davies, John Evan  
*Davies, John Morgan*  
 Davies, John Richard  
 Davies, Lilian Blanche  
*Davies, Margaret*  
*Davies, Marion Jane*  
 Davies, Morgan Llewellyn
- Davies, Rhys Penri  
 Davies, Ronald James
- Davies, Thomas Brynmor*  
*Davies, Thomas Maelgwyn*  
*Davies, Thomas Samuel*  
 Davies, William Evan  
*Davies, William Owen*  
 Davies, William Trevor  
 Downes, Mary Edwina  
 Edwards, Frances Glenys
- Edwards, Harold
- Edwards, Harry James  
 Edwards, Jessie Elizabeth  
 Mary  
 Edwards, William Ritchie  
 Ellis, Gweno Mererid  
*Ellis, Hywel Nadolig*  
 England, Ruth Louise  
 Evans, Avarina Mary  
 Evans, Catherine Mary  
*Evans, Charles*  
*Evans, Daisy Ann*
- Evans, Dilys Margaret  
 Evans, Elwyn  
 Evans, Evan Daniel Jones
- Evans, Evan Emrys  
 Evans, Evan Gwyndaf
- Evans, George Rees
- Evans, Gruffydd ap Ieuan
- Evans, Hugh John  
 Evans, Hugh Thomas Ellis  
 Evans, Kenneth Owen  
 Evans, Nancy Gwenhwyfar  
 Evans, Nathaniel
- Evans, Penderel James*  
*Evans, Phyllis Edith Mary*  
 Evans, Sarah Eleanor
- Evans, Thomas Emrys
- Prelim. Latin, I. German, S. English,  
 S. History.  
 S. Welsh, S. History, S. Geography.  
 F. Economics, F. Welsh Literature.  
 H. History, II. (1).  
 S. Music.  
 I. French, S. English, S. History.  
 H. Welsh, II. (1).  
 H. German, III.  
 I. Greek, I. Welsh, I. History, I. Phil-  
 osophy.  
 F. Welsh, F. Geography, S. Economics.  
 Prelim. Latin, S. English, S. French,  
 S. History.  
 H. Philosophy, II. (1).  
 H. Economics, II. (2).  
 H. Welsh, II. (1).  
 F. Welsh, S. Jurisprudence.  
 H. Welsh, II. (2).  
 I. Geology, I. History, I. Philosophy.  
 F. English, F. History.  
 I. German, S. Latin, S. English,  
 S. French.  
 F. Economics, I. German, S. History,  
 S. Education.  
 S. Economics, S. Jurisprudence.  
 I. German, S. English, S. French,  
 S. History.  
 F. Welsh, F. Philosophy.  
 F. German, S. Music.  
 H. Geography, II. (1).  
 F. English, F. Geography, I. Geology.  
 F. Welsh, S. German, H.I. English.  
 F. English, S. German.  
 H. Philosophy, III.  
 F. English, F. Welsh Literature,  
 S. History.  
 S. Economics, S. English, S. History.  
 F. English, F. Welsh, F. Economics.  
 I. Welsh, I. German, I. History,  
 I. Geology.  
 I. Greek, S. Welsh, S. Philosophy.  
 Elem. Greek, I. Latin, I. and F.T.  
 Philosophy, S. Welsh, S. History.  
 I. English, I. Welsh, I. History,  
 I. Geology.  
 I. Latin, I. English, I. Philosophy,  
 S. Welsh.  
 H. Economics, II. (1).  
 S. English, S. French, S. German.  
 I. Geology, S. History, S. Geography.  
 F. History, I. Latin, H.I. English.  
 I. German, I. History, S. Economics,  
 S. Philosophy.  
 H. German, III.  
 H. French, I., and Oral Certificate.  
 I. Latin, I. English, I. French,  
 I. Music.  
 I. English, S. Welsh.

- Evans, William John  
Francis, Thomas  
Galloway, Douglas Victor
- Gauge, Hugh Clifford  
Germanacos, Christo Letterios
- Giles, Ursula Fisher  
Gilford, Maurice
- Gower, Beatrice Agnes  
Grant, Raymond Kenneth  
James
- Gravell, Grace Georgina, B.A.  
Green, David John  
Green, Ivor Charles  
Griffiths, Cyril  
Griffiths, Cyril Mansell  
Griffiths, David John  
Griffiths, David Richard
- Griffiths, John David*  
Griffiths, Lawrence Evans  
Griffiths, Olwen May
- Gronow, John Wigley
- Guy, David Thomas
- Hamer, Mary Stewart  
Harries, Olive Mary, B.A.  
Haworth, Muriel
- Haynes, Evan Edward  
Hewlett, Marjorie Joan
- Higgins, Angus John Brock-  
hurst  
Higgins, Dorothy May Brock-  
hurst.
- Hilborne, Ronald Hayes  
Hill, David John George
- Hillier, Ruby Daphne*  
*Hopkins, Evan John*  
Hughes, David Griffith  
Hughes, David Thomas  
*Hughes, Elwyn Morris*  
Hughes, Garfield Hopkin  
*Hughes, Glyn Rhys*  
Hughes, Gwenllian  
Hughes, John David  
Hughes, Robert Eynon  
Humphreys, Edward Osborne  
Hyde, William James
- Jackett, James Rowe
- Jacob, Annie Olwen
- F. Geography, F. History, S. German.  
I. English.  
Elem. Greek, Prelim. Latin, S. Eng-  
lish, S. Philosophy.  
S. Economics.  
Elem. Greek, S. English, S. French,  
S. Geography.  
F. English, F. French, S. History.  
F. Economics, F. Geography, S. Educa-  
tion.  
F. History, S. German.  
F. Latin, F. History, I. French,  
S. Economics.  
H. English, II. (2).  
S. Welsh, S. Music.  
F. Latin, F. History.  
S. Economics.  
F. German.  
F. Geography.  
F. Philosophy, S. Education, S. Eng-  
lish, S. History.  
H. Philosophy, II. (2).  
Elem. Greek, S. Latin, S. English.  
F. Economics F. History, F. Geo-  
graphy.  
S. German, I. and F.T. Philosophy,  
S. Economics, S. History.  
F. Economics, F. Philosophy, S. His-  
tory.  
S. History.  
H. German, I.  
Prelim. Latin, S. English, S. History,  
S. Music.  
S. Geography.  
I. Latin, I. English, I. French,  
I. Philosophy.  
F. Greek.  
I. Latin, S. English, S. French,  
S. History.  
F. French.  
I. German, S. Latin, I. English,  
S. French.  
F. English, F. French, F. History.  
F. English, F. French.  
F. Welsh Literature.  
I. English, I. History.  
F. Philosophy.  
S. English, S. Welsh, S. History.  
F. Latin, F. Welsh Literature.  
F. History.  
S. Jurisprudence.  
S. Welsh, S. History, S. Geography.  
S. History.  
S. Economics, S. History, S. Geo-  
graphy.  
I. Latin, I. English, I. French,  
I. German  
I. English, I. Welsh, I. German,  
I. Geology.

- Jacob, Ronald  
 James, Edwin Mathias  
 James, John Henry  
*James, Kenneth*  
 James, Mair Eirwen Mererid  
 James, Margaret Nest  
 James, Thomas Llewelyn Emlyn  
 James, William  
*James, William Elwyn Leyshon*  
 James, William John  
*Jarvis, John Brynmor*  
 Jenkins, David  
*Jenkins, David Ifor*  
 Jenkins, David Lyndhurst  
 Jenkins, Derwyn  
 Jenkins, Thomas John  
 Job, Gwynne Morgan  
 John, Henry  
 John, James Emrys  
 John, Winston Gwynne  
 Jones, Albert John  
 Jones, Alwina Mair  
 Jones, Annie Avarinah  
*Jones, Beryl Constance*  
 Jones, Catherine Jane, B.A.  
 Jones, Cecilia Phoebe  
*Jones, Ceinwen Mary*  
*Jones, Constance Florence Ashley*  
 Jones, David Caradog  
 Jones, David Ellis  
 Jones, David Morgan Price  
 Jones, David Oswald  
 Jones, Edgar Hiraethlyn, B.A.  
*Jones, Eleanor Blodwen Irene*  
*Jones, Elizabeth Margaret*  
 Jones, Emrys Mervyn  
*Jones, Enid Morfydd Prys*  
 Jones, Evan Emrys  
 Jones, Evan Lewis  
 Jones, Ewart Lyn  
 Jones, George  
*Jones, Glenys Hannah*  
 Jones, Gwenllian Parry  
 Jones, Hannah Enid  
*Jones, Harold*  
 Jones Hilda Elizabeth Gwent  
 Jones, Hugh Vaughan Morris, B.A.  
 Jones, Inigo  
 Jones, Ivor  
 F. English, F. Geography, S. Geology.  
 S. English, S. Economics, S. History.  
 S. English, S. Economics, S. History.  
 F. History, F. Welsh, S. Economics.  
 I. English, S. Latin, S. French, S. History.  
 S. English, S. History.  
 I. English, I. Philosophy.  
 S. German.  
 H. Geography, II. (2).  
 I. History, I. Music, I. Philosophy.  
 H. Geography, II. (1).  
 S. English, I. History, S. Welsh.  
 H. Economics, II. (2).  
 I. English, I. German, S. Latin, S. Greek.  
 I. Geology, S. History.  
 S. English, S. Economics, S. History.  
 S. Welsh, S. History, S. Philosophy.  
 I. English, I. History, I. Philosophy, S. Economics.  
 F. Economics, S. English, S. History.  
 I. English, I. German, I. Philosophy, S. Music.  
 I. Welsh.  
 S. Welsh.  
 F. Welsh, S. German, H.I. English.  
 F. History, I. Geology, S. Economics.  
 F. English, F. German.  
 I. Welsh, I. History, S. Economics.  
 H. English, I.  
 F. French, S. Economics, S. German.  
 I. History.  
 I. English, S. Jurisprudence.  
 S. Economics, S. English, S. Geography.  
 I. History, S. Welsh.  
 H. German, I.  
 H. English, II. (1).  
 H. Welsh, II. (1).  
 F. Economics, F. History.  
 H. English, II. (1).  
 S. Greek, S. Welsh.  
 S. Welsh, S. Geography, S. Music.  
 F. German, S. Economics, S. French.  
 S. English, S. History.  
 F. Welsh, F. History, F. Music.  
 I. German, S. Latin, S. English, S. French.  
 F. English, S. Education, S. French, S. Geography.  
 F. English, F. History.  
 I. History.  
 H. Philosophy, II. (1).  
 I. English, I. Welsh, I. Philosophy, S. Music.  
 S. English, S. Music.

- Jones, John Brynmor  
 Jones, John Gwilym  
*Jones, John Robert*  
 Jones, Joseph Benjamin  
 Jones, Margaret Julia Mary  
 Jones, Mary Eirwen, B.A.  
*Jones, Menna*  
 Jones, Nonn Huws  
*Jones, Phyllis Menna*  
*Jones, Richard Edward*  
 Jones, Richard Glynn  
 Jones, Robert Nelson  
 Jones, Robert Owen  
 Jones, Samuel Kenneth  
*Jones, Thomas*  
*Jones, Thomas Gwynn*  
*Jones, Thomas Richard*  
*Jones, William Brynmor*  
 Jones, William George  
 Jones, William Howell  
 Jones, William John  
*Jordan, William Haydn*  
 Lawrence, Lilian Kathleen  
 Leeding, Olive  
 Lewis, Alban Dewi  
 Lewis, Alun  
 Lewis, Alun Thomas  
 Lewis, Ann Elizabeth  
 Lewis, Betty May  
 Lewis, David Gwynfor  
 Lewis, David Lloyd  
 Lewis, Elsie Maud  
 Lewis, Evan John  
*Lewis, George*  
 Lewis, John  
*Lewis, John Lloyd*  
 Lewis, Margaret Jane Phyllis  
 Lewis, Tom Ewart  
 Lewis, Trevor  
 Lewis, Willie Bowen  
*Lewys-Lloyd, Delyth Clowes*  
*Vaughan*  
 Leyshon, John  
 Llewellyn, Arianwen Rowena  
 I. Latin, S. English, I. History.  
 F. French, S. English Law, S. Jurisprudence.  
 H. Philosophy, I.  
 F. Economics, F. Philosophy, S. History.  
 F. History, S. English, S. Economics, S. Welsh.  
 H. History, II. (2).  
 H. Economics, I.  
 Prelim. Latin, S. English, S. History.  
 H. Welsh, II. (1).  
 H. Geography, III.  
 I. History.  
 I. French, S. Economics, S. History.  
 S. English, S. French, S. Geography.  
 S. Economics, S. History, S. Geography.  
 S. Economics, S. Welsh.  
 F. Greek.  
 F. Welsh Literature, F. Geography.  
 H. Economics, II. (2).  
 S. Economics, S. Philosophy.  
 F. Geography, F. History, S. Economics, S. Jurisprudence.  
 I. Welsh, I. History, I. Music.  
 H. French, II. (2), and Oral Certificate.  
 F. English, F. History, I. French.  
 I. Geology, S. English, S. French, S. Geography.  
 I. Latin, S. English, S. Welsh, S. French.  
 I. French, S. Latin, S. English, S. History.  
 I. English, I. Welsh, I. German, I. Geology.  
 F. English, F. Geography, S. Economics.  
 Elem. Greek, S. Latin, S. English, I. French.  
 F. English, S. History.  
 S. Economics.  
 I. English, I. Philosophy, I. History.  
 F. Welsh, S. German.  
 H. French, II. (2), and Oral Certificate.  
 I. English, I. French, I. History, I. Geology.  
 F. Economics, F. Philosophy, S. History.  
 F. Welsh, S. Latin, S. English.  
 I. Welsh, I. History.  
 F. French, F. History, S. Economics.  
 I. Geology, S. Geography.  
 F. Economics, F. German and Oral Certificate, S. French.  
 F. Economics, S. Education, S. History.  
 F. English, I. Latin, I. Welsh, S. German.

- Lloyd, Dinah Margaret Cath-  
erine F. French, I. Latin, S. Philosophy.  
Lloyd, Eira Mary F. English, F. History, S. Economics,  
Prelim. Latin.  
*Lloyd, John Trefor* F. Welsh, F. Philosophy.  
Lloyd, Rita Mary S. German.  
Lloyd, Thomas Richard F. Welsh, S. Greek.  
*Mackeen, Douglas Irwin* F. French, F. History.  
Maddocks, Glenys Eilrad I. English, I. History.  
Mainwaring, Margaret F. History, H.I. English.  
*Manning, Hilda Mary* H. History, II. (2).  
Martin, Daisy I. English, I. History, I. Philosophy,  
S. Education.  
*Mason, Hilda May* H. Welsh, II. (1).  
Mills, Richard Jehu S. Economics, S. Geography.  
Mole, Arnold John, B.A. H. History, II. (1).  
Morgan, Eric Alder Prelim. Latin, I. History.  
Morgan, Margaret Monica I. Latin, S. English, S. Welsh,  
Elizabeth S. French.  
Morgan, Martha Eluned Anne F. English, S. German.  
Morgan, Morgan Idris I. English, I. Welsh, I. History,  
I. Philosophy, S. Economics.  
Morgan, Nancy Gwenfan I. Latin, I. French, S. English,  
S. Welsh.  
Morgan, Percival Francis S. English, S. Economics, S. History.  
*Morris, Gwyn Elvet* F. Welsh, F. History, I. German.  
Morris, John Evans F. Economics, S. German, S. Welsh,  
Morris, Kenneth Owen F. Philosophy, F. Pure Mathematics,  
S. Applied Mathematics, I. German.  
Morris, Morfudd S. English, S. Welsh, S. Economics.  
Moseley, Margaret Doreen I. Geology, S. English, S. French,  
S. Geography.  
McGrath, George Edgar I. Latin, I. French, S. Economics,  
S. History.  
*Newell, Dorothy Ann* H. History, II. (1).  
*Oliver, Florence Mary* H. English, II. (2).  
Owen, Rachel Meiriol F. English, F. German, S. French.  
*Payne, George Charles* H. Geography, II. (1).  
Perkins, Morgan S. Economics, S. Geography, S. His-  
tory.  
Phillips, Herbert James I. Greek, I. Latin, I. History, I. Phil-  
osophy.  
Phillips, James Ronald S. Economics, S. Education, S. History,  
S. Philosophy.  
Phillips, Nesta Ann I. Geology, S. English, S. Geography.  
*Phillips, Trevor James* H. English, II. (2).  
Powell, Nancy S. Economics, S. Geography.  
Price, David Thomas Herbert I. German, I. Geology, S. English,  
S. History.  
Price, Ruby Myra I. Latin, I. German, I. French,  
S. English.  
*Pritchard, Annie Mary* H. Geography, II. (1).  
Pritchard, John Trevor Prelim. Latin, I. English, I. French,  
I. Philosophy.  
*Proffit, Tudor* H. Geography, II. (2).  
*Rees, Alwyn David* H. Geography, I.  
*Rees, Anelyf Wyn* H. History, I.  
Rees, Annie Elizabeth I. German, S. Latin, S. English,  
S. French.  
Rees, David Morgan I. History.



- Rees, Delsie*  
 Rees, Elizabeth Anne  
 Rees, Evan Harries  
 Rees, Frederick Garfield  
 Rees, Hannah Arianwen  
*Rees, Nelian*  
 Rees, William Charles  
 Rees, William Treharne  
*Reynolds, David Elwyn*  
*Richards, John George*  
 Roberts, Catherine Olwen  
*Roberts, David*  
 Roberts, Dorothy  
 Roberts, Edward Gwilym  
 Roberts, Elen  
*Roberts, Gwilym Owen*  
 Roberts, Iola Meiryl  
 Roberts, Robert Elwyn  
*Roderick, Arthur James*  
 Roderick, Dilys  
 Roderick, Enoch David  
 Rogers, John Arthur  
 Rowlands, William Lewis  
*Rushforth, Anita*  
*Samuel, Gwilym Raymond*  
*Sanders, Ivor John*  
 Saunders, Oliver Edward  
*Seaborne, Marian Arabella Inez*  
 Seedhouse, Alan Walter  
 Sewell, Nellie  
 Short, Ronald Stanley  
 Skenfield, Eira  
 Stephens, David Gerwyn  
 Stevens, David George  
 Sudbury, Philip George  
*Sutton, Rachel Margaret Rhydderch*  
 Templeman, Frank Lewis  
*Thomas, Brinley Glyndwr*  
*Thomas, David Alun*  
 Thomas, David Glynn  
 Thomas, Evan Rhys  
 Thomas, Frances Myfanwy  
 Thomas, Garnet Lionel  
 Thomas, Gilbert Hugheston  
 Thomas, Graham  
*Thomas, Gwyn Ivor*  
 Thomas, John Heber
- H. English, III.  
 Prelim. Latin, S. English, I. French, S. History.  
 S. English, S. Welsh, S. Philosophy.  
 I. Geology, S. Welsh, S. Geography.  
 I. History, S. German.  
 H. Latin, I., F. Greek.  
 S. Economics, S. Jurisprudence.  
 F. Economics, S. German, S. History.  
 F. History, I. English, S. Geography.  
 H. Geography, III.  
 I. History, I. Philosophy, S. Welsh.  
 H. English, II. (1).  
 F. History, S. Economics, S. French.  
 H. French, II. (1), and Oral Certificate.  
 F. French and Oral Certificate.  
 H. Philosophy, II. (2).  
 S. Latin, S. French.  
 F. Geography, S. Economics.  
 H. History, I.  
 Prelim. Latin, S. French, S. History.  
 I. English, I. Welsh, I. German, I. Geology.  
 I. Latin, S. English, S. Welsh, S. French.  
 F. Welsh, S. English, S. Education.  
 F. English, F. Welsh, F. Economics.  
 H. English, II. (1).  
 H. History, I.  
 I. Latin, I. Music, S. French, S. History.  
 H. English, II. (2).  
 F. English.  
 S. English, S. Welsh, S. Music.  
 S. Economics, S. French, S. History.  
 I. English, I. French, I. German, I. History.  
 S. Welsh, F. Philosophy.  
 F. Economics, F. History, S. German.  
 I. Latin, S. English, S. Economics, S. History.  
 H. History, II. (1).  
 I. French, S. English, S. Geography, S. History.  
 H. Philosophy, III.  
 H. Latin, II. (1), F. Greek.  
 F. Geography, F. History, S. Economics.  
 F. Economics, S. English.  
 I. Geology, S. English, S. French, S. Geography.  
 F. Economics, F. History, S. French.  
 I. English, I. French, I. History, I. Geology.  
 F. English, F. Music, S. German.  
 H. Economics, II. (2).  
 I. Geology, I. English, S. French, S. Geography.

- Thomas, Kathleen Nora*  
*Thomas, Louise Price*  
 Thomas, Mair Elvira  
 Thomas, Marion Elaine  
 Thomas, Megan  
 Thomas, William Glyndwr  
 Tilsley Gwilym Richard  
 Trott, Clive Dilwyn John  
 Walden, Richard Walter Lawrence  
 Walker, Ivor  
 Walters, Lynn Thomas  
 Watkins, Ernest Gwynne  
*Watkins, Glyndwr*  
 Watkins, Howell  
*Watkins, Susannah*  
 Whitley, Florence Cecilia  
*Wigley, Elyfn Edward*  
 Williams, Benjamin John  
 Williams, Cyril Raymond  
 Williams, Dennis George Footman  
 Williams, Edith Irene, B.A.  
 Williams, Ethel  
 Williams, George  
 Williams, Gwilym Iorwerth  
*Williams, Hugh Trefor*  
*Williams, John Hopkins*  
 Williams, John Mervin Owen  
 Williams, Leonard William  
*Williams, Leslie Owen*  
 Williams, Reginald Arthur  
*Williams, Ronald*  
*Williams, Tom Pugh*  
*Williams, William* (Senghenydd)  
*Williams, William John*  
 Woodward, Harry Bernard  
 Workman, William  
 Yalden, Mary Ethel  
*Yemm, William*  
*Abraham, Margaret Elizabeth*  
 Adams, William Thomas  
 Allen, Albert Thomas
- F. Economics, F. English, I. Philosophy.  
 H. German, II. (2), and Oral Certificate.  
 Prelim. Latin, I. Philosophy, S. English, S. Welsh.  
 F. French, S. German, H.I. English.  
 S. Economics, S. Geology, S. Geography.  
 I. Welsh, I. History, S. Economics, S. Education.  
 F. Economics, F. Philosophy, S. Welsh  
 F. Geography, F. History, Prelim. Latin, I. German.  
 I. Geology, S. English, S. French, S. Geography.  
 F. Geography, F. History, S. Economics.  
 I. Greek, I. English, I. Welsh, I. Philosophy.  
 F. Economics, F. English. F. History, F. German, F. Geography, I. History, I. German, S. Economics, S. History. S. Geography.  
 F. Welsh, F. History, S. English.  
 I. Latin, I. French, S. English, S. History.  
 F. English Law, F. Jurisprudence.  
 Elem. Greek.  
 I. English, I. French, S. Welsh, S. History.  
 I. English, I. History.  
 H. English, II. (1).  
 I. French, S. Latin, S. English, S. History.  
 F. Economics, F. Geography.  
 S. Welsh, S. Economics, S. History.  
 H. Geography, III.  
 H. English, III.  
 I. English, I. History, I. Philosophy.  
 I. English, I. History, I. Philosophy.  
 H. Latin, II. (2), S. Greek.  
 I. English, I. French, I. History.  
 H. Economics, II. (2), S. Welsh.  
 H. German, I.  
 F. English, F. Geography, S. Economics.  
 H. French, II. (2), and Oral Certificate.  
 I. French, S. Economics, S. Geography S. History.  
 I. Geology, S. English, S. French, S. Geography.  
 I. Latin, S. English, S. French, I. History.  
 F. Economics, I. German, S. Geology.
- SCIENCE.  
 H. Geography, II. (1).  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 F. Geography.

- Barrett, Gwen*  
 Bassett, Frank
- Batt, Aubrey Gwynne
- Bayliss, Arthur George
- Beresford, Doreen May*  
 Bevan, Ronald William  
 Blackledge, Mary
- Bound, Richard Augustine*  
*Milwyn*  
 Bowen, Glyndwr
- Bowen, Joan Catherine Mary
- Bowen, John Brinley
- Bowen, John Montgomery  
 Brandon, Vera Eileen  
 Brewer, Edwin
- Carter, Glynden Ewart*  
 Chapple, Maurice Tregear, B.Sc.  
 Chatterley, Lucy  
 Daniel, Goronwy Hopkin  
 Davies, Anne Gwyneth  
 Davies, David Thomas  
 Davies, Eric Thomas John
- Davies, Evan George  
 Davies, Gwenda Non  
 Davies, Harriet Frances  
 Eiluned  
 Davies, Horace Lloyd  
 Davies, Iestyn Griffith
- Davies, Isaac*  
 Davies, Islwyn Thomas
- Davies, John Vernon  
*Davies, Mansel Morris*  
*Davies, Ronald Clifford*  
 Davies, Thomas  
 Davies, Thomas Idwal  
 Edwards, Alun Davies
- Edwards, Dewi Evans
- Edwards, Margaret Eluned*  
*Honor*  
 Edwards, Sidney Vincent John  
*Evans, Eleanor Mary*  
 Evans, Elvet Joseph
- Evans, Gwyneth  
 Evans, Idwal Victor  
 Evans, Jacob  
 Evans, Maria
- H. Botany, II. (1).  
 F. Education, S. Physics, S. Philosophy.  
 I. Pure Mathematics, S. Applied Mathematics.  
 I. Pure Mathematics, I. Applied Mathematics.  
 H. Pure Mathematics, III.  
 F. Geography, S. Economics.  
 F. Pure Mathematics, F. Applied Mathematics.
- H. Chemistry, II. (1).  
 I. Pure Mathematics, I. Chemistry, I. Physics.  
 F. Botany, F. Geography, S. Economics.  
 S. Pure Mathematics, S. Chemistry, S. Physics.  
 I. Chemistry, I. Botany, I. Zoology.  
 F. Pure Mathematics.  
 I. Geology, S. Economics, S. Geography.  
 H. Geography, III.  
 H. Physics, I.  
 F. Botany.  
 S. Geography, S. Geology.  
 I. Botany, I. Geology, I. Zoology.  
 S. Physics.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 S. Geography.  
 I. Zoology, S. Botany, S. Geography.  
 I. Botany, I. Geology, I. Zoology.  
 F. Chemistry, F. Physics.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 H. Physics, III.  
 I. Physics, S. Pure Mathematics, S. Chemistry.  
 F. Chemistry, F. Physics.  
 H. Chemistry, I.  
 F. Geology, F. Geography.  
 I. Chemistry.  
 F. Botany, F. Zoology.  
 I. Pure Mathematics, I. Applied Mathematics, I. Physics.  
 I. Pure Mathematics, I. Applied Mathematics.
- H. Chemistry, II. (2).  
 F. Physics.  
 F. Botany, F. Zoology.  
 S. Pure Mathematics, S. Applied Mathematics.  
 S. Botany, S. Zoology.  
 S. Botany, S. Geography, S. Zoology.  
 S. Economics.  
 S. Botany, S. Geography, S. Zoology.

- Evans, Rachel Mary*  
Evans, Thomas Meirion
- Forbister, Joseph Glyn
- Franklin, Charles Edmund  
Leonard  
George, Edgar
- Harries, John Vaughan*  
Harris, Bramwell, B.Sc.  
Harris, Grace  
Higgs, Alfred Henry
- Hoopar, Margaret Chorlton,  
B.Sc.
- Hopkins, Catherine Ann  
Hughes, Daniel Maldwyn  
Humphreys, George Maclaren
- Humphreys-Rowlands, Margaret,  
B.Sc.  
*James, Henry Vincent*
- Jarvis, Sydney Geoffrey*  
Jenkins, Norman Fairfield
- Johns, Harold Myrddin*  
*Jones, Benjamin Royston*
- Jones, Clarice Muriel Mary  
*Jones, David Price*  
Jones, Dewi Gwyn  
*Jones, Ellen*  
Jones, Gwyneth Mary, B.Sc.  
Jones, Iorwerth
- Jones, Ivor Rees  
Jones, John Arthur
- Jones, Mair Elizabeth*  
Jones, Margaret Phyllis  
*Jones, Mary Dorothy*  
Jones, Mary Elizabeth
- Jones, Megan Eleanor
- Jones, Peredur William  
*Jones, Thomas Tyssul*  
*Jones, William Frederick*  
Jones, William Morris  
King, William George
- Ladd, John Cyril*  
Landon, David Handel  
*Lewis, Brinley James*  
Lewis, David Thomas  
Lewis, Dilys Myfanwy  
Lewis, Egryn Mason
- H. Pure Mathematics, II. (1).  
I. Pure Mathematics, I. Chemistry,  
I. Physics.  
S. Pure Mathematics, S. Applied Math-  
ematics, S. Physics.  
I. Pure Mathematics, S. Chemistry,  
S. Physics.  
I. Pure Mathematics, S. Chemistry,  
S. Physics.  
H. Pure Mathematics, I.  
H. Physics, III.  
F. Geography, S. Economics.  
I. Physics, S. Pure Mathematics, S. Ap-  
plied Mathematics.  
H. Botany, II. (1).  
S. Botany, S. Economics, S. Zoology.  
S. Geography, S. Geology, S. Zoology.  
S. Pure Mathematics, S. Applied Math-  
ematics, S. Physics.  
H. Geography, II. (1).  
F. Pure Mathematics, F. Applied Math-  
ematics.  
H. Geography, II. (2).  
F. Pure Mathematics, F. Applied Math-  
ematics.  
H. Zoology, II. (2).  
H. Pure and Applied Mathematics (Com-  
bined Course), I.  
F. Pure Mathematics.  
F. Botany, F. Zoology.  
I. Botany, I. Zoology.  
H. Geography, II. (1).  
H. Botany, II. (2).  
I. Pure Mathematics, S. Chemistry,  
S. Physics.  
I. Botany, I. Geology.  
S. Pure Mathematics, S. Applied Math-  
ematics, S. Physics.  
H. Pure Mathematics, I.  
I. Botany, I. Geology, I. Zoology.  
H. Zoology, I.  
F. Geography, S. Geology, S. Pure  
Mathematics.  
I. Pure Mathematics, S. Botany,  
S. Chemistry.  
I. Botany, I. Zoology, I. Philosophy.  
H. Chemistry, I.  
H. Chemistry, II. (1).  
I. Geology.  
F. Pure Mathematics, F. Applied Math-  
ematics.  
H. Botany, I.  
S. Pure Mathematics, S. Physics.  
F. Pure Mathematics, F. Physics.  
F. Geology, F. Zoology.  
F. Zoology.  
I. Physics, I. Geology.

- Lewis, Nesta Elizabeth  
*Lewis, William Edward*  
*Llewellyn, Edith Margaret*  
*Lloyd, David Charles*  
*Lloyd, Rebecca Megan*  
 Loveridge, Enid Neale, B.Sc.  
 Morgan, Betty  
 Nicholls, Margaret Dorothy  
*Osborne, Daniel*  
 Owen, Gwyneth
- Owen, Morgan David  
 Owen, Reginald Philip
- Owens, Robert David John*  
*Parry, Caradoc Griffiths*  
 Peguero, Mary  
 Phillips, Margaret Teifiona  
 Thomas  
 Phillips, Marion  
 Phillips, Rosetta Florence  
 Phillips, Thomas Lloyd  
 Phillips, Tudor James  
 Pitman, Reginald Horace  
 Presley, Gwyneth Hilda  
*Price, Morgan*  
 Pryce, David George
- Pugh, Evan Milwyn*  
*Rees, Catherine Lucilla*  
 Rees, John David  
 Rees, Nancy  
*Rees, William James*  
*Reese, Mary Jane*  
*Richards, Mary Ann*  
 Richards, Olwen Hannah
- Ridding, Alice Mary  
 Roberts, Bernard Llewellyn  
*Roberts, Frederick Grenville*  
*Samson, George Lewis Davies*  
*Samuel, Gwyneth Eluned*  
 Saunders, Oliver Picton  
 Spiller, George Francis
- Sutton, John Mervyn Rhydderch*  
 Thomas, Agnes Mary, B.Sc.  
*Thomas, Arthur Philip*  
*Thomas, Benjamin John*  
 Thomas, Harry
- Thomas, Ieuan
- Thomas, Iorwerth Hefin*  
*Thomas, Ivor Vincent*  
 Thomas, James Campbell  
 Thomas, Lyndel Mary
- F. Pure Mathematics, S. Applied Mathematics.  
 H. Geography, II. (2).  
 H. Botany, II. (1).  
 H. Zoology, I.  
 F. Zoology, S. Economics.  
 H. Geography, III.  
 S. Botany, S. Geography.  
 F. Botany.  
 F. Economics.  
 I. Pure Mathematics, S. Botany, S. Zoology.  
 F. Chemistry, F. Physics.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 H. Chemistry, II. (1).  
 H. Geography, I.  
 F. Geography, S. Botany, S. Geology.  
 F. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 F. Botany, F. Zoology.  
 F. Geography, F. Pure Mathematics.  
 F. Pure Mathematics, F. Physics.  
 F. Pure Mathematics.  
 H. Applied Mathematics, II. (2).  
 F. Botany, F. Chemistry.  
 F. Applied Mathematics, F. Physics.  
 F. Pure Mathematics, F. Applied Mathematics.  
 S. Chemistry, S. Economics.  
 F. Geology, F. Zoology.  
 I. Chemistry, I. Physics.  
 S. Botany, S. Zoology, S. Geography.  
 F. Botany, F. Zoology.  
 H. Botany, I.  
 H. Geography, I.  
 F. Pure Mathematics, F. Applied Mathematics.  
 I. Zoology, S. Botany, S. Geography.  
 I. Geology.  
 H. Pure Mathematics, II. (1).  
 F. Pure Mathematics.  
 F. Economics.  
 S. Botany, S. Geography, S. Geology.  
 F. Pure Mathematics, F. Geography, S. Economics.
- S. Physics.  
 H. Botany, II. (2).  
 H. Pure Mathematics, II. (2).  
 H. Pure Mathematics, II. (2).  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 I. Geology, I. Pure Mathematics, S. Geography.  
 H. Physics, I.  
 H. Geography, III.  
 I. Botany.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.

- Thomas, Nesta Elizabeth  
Sibyl  
Thomas, Thomas David  
*Thomas, William John*  
*Tovey, Dorothy May*  
Vaughan, Alfred Kenneth  
Venn, Ernest Edward  
Walker, Thomas  
Warlow, Phoebe Rosalind  
Watkins, William Gwyn  
Weale, William Austin  
Wernet, Beryl Margaret  
White, Theodore  
*Williams, Alan*  
Williams, Betty Joyce  
*Williams, Edward George*  
Williams, Harold Lawson  
Williams, Kenneth  
Williams, Megan  
Williams, Robert Griffith  
*Williams, Sylvia Rosalind*  
Williams, Una  
*Williams, William Gwynne*  
Woodland, Austin William  
*Zetterstrom, Ida Elizabeth*  
F. Zoology, S. Economics.  
I. Pure Mathematics, I. Chemistry,  
I. Physics.  
H. Physics, I.  
H. Geography, II. (2).  
S. Zoology.  
I. Botany, I. Chemistry, S. Zoology.  
S. Botany, S. Chemistry, S. Zoology.  
F. Pure Mathematics, F. Applied Mathematics, S. Physics.  
I. Pure Mathematics, I. Physics,  
I. Geology.  
S. Botany, S. Zoology, S. Geology.  
F. Zoology.  
S. Botany, S. Chemistry, S. Zoology.  
H. Chemistry, II. (2).  
F. Geography, F. Geology, S. Economics.  
H. Geography, III.  
I. Geology, S. Geography, S. Economics.  
I. Pure Mathematics, S. Chemistry,  
S. Physics.  
F. Pure Mathematics, F. Chemistry,  
S. Physics.  
I. Pure Mathematics, I. Physics,  
I. Geology.  
F. Botany, F. Zoology.  
I. Geology, S. Pure Mathematics,  
S. Geography.  
H. Physics, II. (1).  
F. Geography, F. Geology.  
F. Geology.

## RURAL SCIENCE.

- Akhaury, Bindhyabasini Prasad*  
Ashton, Edward Donald, B.Sc.  
Das Gupta, Mohitendranath  
Davies, Roger Probert  
Edmunds, Henry  
Evans, Jenkin Russell  
Gupta, Din Dayal, B.Sc.  
*Harries, John Mervyn*  
Hopkin, John Stephen  
Jones, Betty Monica  
Jones, John Daniel  
Jones, John Trefor  
Mandal, Benoyendra Nath  
*Miles, Elizabeth Jane*  
Mulloth, Balakrishna Menon,  
B.Sc.  
McHardy, Leo John  
F. Botany, F. Agriculture.  
H. Economics, with Agricultural Economics, II. (1).  
F. Economics with Agricultural Economics.  
I. Botany, S. Chemistry.  
S. Botany, S. Agricultural Chemistry.  
I. Botany, I. Chemistry, I. Zoology.  
H. Botany with Agricultural Botany, I.  
F. Economics with Agricultural Economics, S. Agricultural Chemistry.  
S. Chemistry, S. Agricultural Botany,  
S. Agricultural Chemistry.  
I. Botany, I. Zoology.  
I. Botany, I. Chemistry, I. Zoology.  
I. Botany, I. Chemistry, I. Zoology.  
I. Botany, I. Chemistry, I. Zoology.  
F. Agriculture, F. Zoology, S. Agricultural Botany.  
H. Economics with Agricultural Economics, II. (1).  
S. Zoology, S. Agricultural Botany,  
S. Agricultural Chemistry.

- Phillips, Llewelyn  
Powell, Hannah Margaretta  
Price, Elwyn Idris
- Pugh, William Kenneth  
*Ray, Sudhindra Chandra*
- Sandhu, Harpal Singh, B.Sc.
- Smith, Joseph Henry, B.Sc.
- Swallhay, Saiduddin  
Thomas, John Denis
- Thomas, Percy Tudor*
- Tudor, Jane Angharad  
Watkins, Harold James  
Western, John Henry, B.Sc.  
*Whiteside, Alan*
- Wibberley, Gerald Percy  
Williams, Myrddin
- Williams, Stephen*
- I. Botany, I. Zoology.  
I. Botany, I. Chemistry, I. Zoology.  
I. Botany, I. Chemistry, S. Agricultural Chemistry.  
S. Agricultural Botany.  
F. Agriculture, S. Agricultural Chemistry.  
H. Economics with Agricultural Economics, II. (1).  
H. Economics with Agricultural Economics, I.  
I. Botany, I. Zoology.  
S. Zoology, S. Agricultural Chemistry, S. Agricultural Economics.  
F. Agriculture, F. Botany, S. Agricultural Botany.  
S. Zoology, S. Agricultural Chemistry.  
I. Chemistry, I. Botany, I. Zoology.  
H. Botany with Agricultural Botany, I.  
S. Zoology, S. Agricultural Botany, S. Agricultural Zoology.  
I. Chemistry, I. Botany, I. Zoology.  
I. Chemistry, S. Botany, S. Agricultural Chemistry.  
F. Agriculture, F. Chemistry with Agricultural Chemistry, S. Agricultural Economics.

## MUSIC.

- Davies, Davey
- I. Acoustics, S. History of Music, S. Theory of Music and Composition.

## LAW.

- Batterbee, Myfanwy*
- Bonnett, Denise
- Bowen, Evan Roderic, LL.B.  
*Burrell, John Glyn*
- Cooper, John
- Davies, Alun
- Davies, William Philip*
- Dutt, Arindam
- Edwards, Thomas Henry
- Ellis, William Armon
- Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.  
I. Philosophy, Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.  
H. Law, II. (1).  
Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.  
Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.  
Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.  
Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence, Pt. I. Constitutional Law.  
I. English, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.  
I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.  
I. Welsh, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.

- Evans, Gwynfor Richard Pt. II. Common Law, Pt. II. Conveyancing and Equity, Part II. Jurisprudence.
- Evans, Horace Wynne I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- James, David Elidyr Howell I. French, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Jenkins, Samuel Morley Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Jones, Benjamin George Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Jones, Clement Owen Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Jones, Edward, LL.B. H. Law, II. (2).
- Jones, Frank Maurice Probert I. English, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Jones, Griffith Winston Guthrie Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Jones, Iwan Elis* H. Law, I.
- Jones, Richard Owen I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Lewis, William Edward* Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.
- Llewelin, William John Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.
- Mathews, Menna Lloyd I. English, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Morgan, Thomas Lewis Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Morgan, William Gwynn Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Rhydderch, William Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Rivlin, Harold Lionel I. History, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Roberts, Hywel Gittins I. English, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Taylor, Frederick William* H. Law, I.
- Thomas, David Gordon Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.
- Thomas, Evan Hugh Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.
- Thomas, John Stuart Hamilton I. Latin, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.
- Thomas, Trevor Cawdor I. French, Prelim. Law of Contract, Prelim. Law of Tort and Crime, Prelim. Constitutional History.



<i>Wallis-Jones, Ewan Perrins</i>	Pt. II. Common Law, Pt. II. Conveyancing and Equity, Pt. II. Jurisprudence.
Williams, Laura Edith	Pt. I. English Law, Pt. I. Constitutional Law, Pt. I. International Law.

### SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1933.

#### FACULTY OF ARTS.

Collins, Mari Rhiannon	I. German.
Daniel, Margaret Glenys	I. German.
Davies, Arthur Lewis	I. French.
Davies, Clarence Melville	I. Geology. I. German.
Davies, Ronald James	I. Latin.
Davies, William Trevor	I. German.
Evans, Hugh John	I. German.
Evans, Kenneth Owen	I. French.
Haynes, Evan Edward	I. German.
Hughes, David Thomas	I. French.
Hughes, Garfield Hopkin	I. Latin.
Hughes, Gwennlian	I. Latin.
Hughes, Robert Eynon	I. German.
Hyde, William James	I. French.
Griffiths, Jack Edward	S. Education, S. English, S. History.
Griffiths, Laurence Evans	I. Pure Mathematics, I. Greek.
James, Thomas Llewellyn Emlyn	I. History.
James, William John	I. English.
Jenkins, Derwyn	I. German.
Jones, Emrys Mervyn	I. French.
Jones, Nonn Huws	I. German.
Jones, Robert Nelson	I. Latin.
Jones, William George	I. Greek.
Lewis, David Gwynfor	I. Latin.
Lewis, Elsie Maud	I. French.
Lewis, Trevor	I. Latin.
Lloyd, Eira Mary	I. Latin.
Morgan, Eric Alder	I. German.
Morris, Morfudd	I. Latin.
Petheram, Winston Randolph	I. English, I. Welsh, I. German, I. Geology.
Phillips, Nesta Ann	I. German.
Rees, Frederick Garfield	I. German.
Rees, William Charles	I. German.
Roderick, Dilys	I. German, I. Latin.

#### FACULTY OF SCIENCE.

Daniel, Goronwy Hopkin	I. Pure Mathematics.
Davies, Evan George	I. Physics.
Edwards, Dewi Evans	I. Physics.
Evans, Elvet Joseph	I. Physics.
Jones, Ivor Rees	I. Chemistry.
Lewis, Egryn Mason	I. Pure Mathematics.

#### FACULTY OF RURAL SCIENCE.

Davies, Roger Probert	I. Physics.
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## EXAMINATION FOR THE DIPLOMA IN EDUCATION, 1933.

The following candidates have satisfied the examiners and have qualified for the Diploma :—

### PART I. WRITTEN EXAMINATIONS.

#### *Division 1.*

Ashton, Walter Meredith, B.Sc.  
 Hughes, Anne Whittington, B.A.  
 Hughes, Harold, B.Sc.  
 Jenkins, Edna Mary, B.A.  
 Jones, Alwen Irvona, B.A.  
 Jones, Anne Mary, B.A.  
 Jones, Richard John Lloyd, B.Sc.  
 Moore, Jack, B.Sc.  
 Thomas, Emiah Jane, B.A.  
 Thomas, Maria Beryl, B.A.  
 Williams, Annie Dorothy, B.A.

#### *Division 2.*

Baker, Elsie May, B.Sc.  
 Britton, Francis Ronald, B.Sc.  
 Bull, James Howard, B.Sc.  
 Corfield, George Arthur, B.Sc.  
 Davies, Edwin John, B.A.  
 Davies, Eilwen, B.Sc.  
 Davies, Eluned Megan, B.A.  
 Davies, Evan Daniel, B.A. (*Cantab.*).  
 Davies, Haydn Egryn, B.Sc.  
 Davies, Howell, B.A.  
 Davies, Nani Eirlys, B.A.  
 Davies, Trevor John Harverd, B.A.  
 Davies, William Eustace, B.A.  
 Dummer, Glyn, B.A.  
 Evans, Catherine Irene, B.Sc.  
 Evans, Eirwen Jane Mainwaring, B.A.  
 Evans, Harold Meurig, B.A.  
 Evans, Kathleen Marion Emilie, B.Sc.  
 Evans, Leslie Wynne, B.A.  
 Evans, Margaret Gwendoline Picton, B.A.  
 Evans, Mary Elizabeth, B.Sc.  
 Evans, William Alcwyn, B.A.  
 Everson, Ronald, B.Sc.  
 Fleming, Margaret, B.A.  
 Francis, William Howard, B.Sc.  
 George, Leonard Cyril Edmund, B.A.  
 Griffiths, Elizabeth Jane, B.A.  
 Hurn, Herbert Courtenay, B.Sc.  
 James, David William, B.A.  
 James, Mary Margaret, B.A.  
 Jones, Arthur Vaughan, B.Sc.  
 Jones, Edith May, B.A.  
 Jones, Elizabeth, B.A.  
 Jones, Eluned Margaret, B.A.  
 Jones, Gladys Elizabeth.  
 Jones, Gwenllian Clara, B.A.

Jones, Haydn, B.A.  
 Jones, Helena, B.A.  
 Jones, Herbert Cecil Moss, B.A.  
 Jones, John Arthur, B.A.  
 Jones, John Haydn, B.A.  
 Jones, John Idris, B.Sc.  
 Jones, Mary Annetta, B.A.  
 Jones, Merfyn Mechain, B.A.  
 Jones, Thomas John, B.A.  
 Jones, Trevor Gwyn Humphreys, B.A.  
 Jones, William Ernest, B.Sc.  
 Laramy, Albert James Gwynfryn, B.Sc.  
 Lewis, Edith Annie, B.Sc.  
 Lewis, Hugh Gwynfor, B.A.  
 Mackenzie, Marian Bettina, B.Sc.  
 Morgan, Elizabeth Eluned, B.A.  
 Morgan, John, B.Sc.  
 Morris, Jane Ellen, B.A.  
 Morse, Benjamin Joseph, M.A.  
 Parry, George Alwyn, B.Sc.  
 Perrott, Brynmor Rhys, B.A.  
 Phillips, Glenys Owen, B.A.  
 Pincott, John, B.Sc.  
 Price, Beryl, B.Sc.  
 Price, Margaret Eiddwen, B.A.  
 Price, Thomas Frederick, B.Sc.  
 Pride, Rhiannon, B.Sc.  
 Prior, Edgar Wallington, B.A.  
 Rees, Ivor Gwynfil, B.A.  
 Rees, Mair Irene, B.A.  
 Rees, May, B.Sc.  
 Richards, Ivor Charles Maxwell, B.A.  
 Richards, Joyce Elizabeth Alice, B.Sc.  
 Roberts, Hywel David, B.A.  
 Roberts, Sydney Dorothy, B.A.  
 Rogers, Evan Harold Islwyn, B.Sc.  
 Saer, Luther John, B.A.  
 Sansbury, Arthur Richard, B.Sc.  
 Theophilus, Thomas Ieuan, B.Sc.  
 Thomas, Eirlys, B.A.  
 Thomas, Elwyna, B.A.  
 Thomas, John, B.A.  
 Wardle, Beatrice, B.Sc.  
 Wigley, Hugh Armand Ellis, B.Sc.  
 Williams, David Arnallt, B.Sc.  
 Williams, David Leslie, B.A.  
 Williams, Gwenith, B.Sc.  
 Williams, Gwilym Osmund, B.A.  
 Williams, John Lewis, B.A.  
 Williams, John Richards, B.Sc.  
 Williams, Mabel Winifred, B.A.

## PART II. TESTS OF PRACTICAL SKILL.

### *Division 1.*

Ashton, Walter Meredith, B.Sc.  
 Davies, Evan Daniel, B.A. (*Cantab.*).  
 Evans, Leslie Wynne, B.A.  
 George, Leonard Cyril Edmund, B.A.

Hughes, Anne Whittington, B.A.  
 Jones, Alwen Irvona, B.A.  
 Jones, Eluned Margaret, B.A.  
 Lewis, Edith Annie, B.Sc.  
 Lewis, Hugh Gwynfor, B.A.  
 Moore, Jack, B.Sc.  
 Morgan, Elizabeth Eluned, B.A.  
 Morse, Benjamin Joseph, M.A.  
 Pride, Rhiannon, B.Sc.  
 Rees, May, B.Sc.  
 Richards, Joyce Elizabeth Alice, B.Sc.  
 Roberts, Hywel David, B.A.  
 Sansbury, Arthur Richard, B.Sc.  
 Thomas, Emiah Jane, B.A.  
 Wardle, Beatrice, B.Sc.  
 Williams, Annie Dorothy, B.A.  
 Williams, John Lewis, B.A.

*Division 2.*

Baker, Elsie May, B.Sc.  
 Britton, Francis Ronald, B.Sc.  
 Bull, James Howard, B.Sc.  
 Corfield, George Arthur, B.Sc.  
 Davies, Edwin John, B.A.  
 Davies, Eilwen, B.Sc.  
 Davies, Eluned Megan, B.A.  
 Davies, Haydn Egryn, B.Sc.  
 Davies, Howell, B.A.  
 Davies, Nani Eirlys, B.A.  
 Davies, Trevor John Harverd, B.A.  
 Davies, William Eustace, B.A.  
 Dummer, Glyn, B.A.  
 Evans, Catherine Irene, B.Sc.  
 Evans, Eirwen Jane Mainwaring, B.A.  
 Evans, Harold Meurig, B.A.  
 Evans, Kathleen Marion Emilie, B.Sc.  
 Evans, Margaret Gwendoline Picton, B.A.  
 Evans, Mary Elizabeth, B.Sc.  
 Evans, William Alcwyn, B.A.  
 Everson, Ronald, B.Sc.  
 Fleming, Margaret, B.A.  
 Francis, William Howard, B.Sc.  
 Griffiths, Elizabeth Jane, B.A.  
 Hughes, Harold, B.Sc.  
 Hurn, Herbert Courtenay, B.Sc.  
 James, David William, B.A.  
 James, Mary Margaret, B.A.  
 Jenkins, Edna Mary, B.A.  
 Jones, Anne Mary, B.A.  
 Jones, Arthur Vaughan, B.Sc.  
 Jones, Edith May, B.A.  
 Jones, Elizabeth, B.A.  
 Jones, Gladys Elizabeth.  
 Jones, Gwenllian Clara, B.A.  
 Jones, Haydn, B.A.  
 Jones, Helena, B.A.  
 Jones, Herbert Cecil Moss, B.A.  
 Jones, John Arthur, B.A.  
 Jones, John Haydn, B.A.

Jones, John Idris, B.Sc.  
 Jones, Mary Annetta, B.A.  
 Jones, Merfyn Mechain, B.A.  
 Jones, Richard John Lloyd, B.Sc.  
 Jones, Thomas John, B.A.  
 Jones, Trevor Gwyn Humphreys, B.A.  
 Jones, William Ernest, B.Sc.  
 Laramy, Albert James Gwynfryn, B.Sc.  
 Mackenzie, Marian Bettina, B.Sc.  
 Morgan, John, B.Sc.  
 Morris, Jane Ellen, B.A.  
 Parry, George Alwyn, B.Sc.  
 Perrott, Brynmor Rhys, B.A.  
 Phillips, Glenys Owen, B.A.  
 Pincott, John, B.Sc.  
 Price, Beryl, B.Sc.  
 Price, Margaret Eiddwen, B.A.  
 Price, Thomas Frederick, B.Sc.  
 Prior, Edgar Wallington, B.A.  
 Rees, Ivor Gwynfil, B.A.  
 Rees, Mair Irene, B.A.  
 Richards, Ivor Charles Maxwell, B.A.  
 Roberts, Sydney Dorothy, B.A.  
 Rogers, Evan Harold Islwyn, B.Sc.  
 Saer, Luther John, B.A.  
 Theophilus, Thomas Ieuan, B.Sc.  
 Thomas, Eirlys, B.A.  
 Thomas, Elwyna, B.A.  
 Thomas, John, B.A.  
 Thomas, Maria Beryl, B.A.  
 Wigley, Hugh Armand Ellis, B.Sc.  
 Williams, David Arnallt, B.Sc.  
 Williams, David Leslie, B.A.  
 Williams, Gwenith, B.Sc.  
 Williams, Gwilym Osmund, B.A.  
 Williams, John Richards, B.Sc.  
 Williams, Mabel Winifred, B.A.

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The following College Diplomas were awarded in June, 1933 :—

*Diploma in Art.*

*Second Class.*

Eirlys Enos.  
 Arthur Richard Sansbury.

*Diploma in Craft.*

*First Class.*

Jean Davies

*Second Class.*

Muriel Lloyd.

*Diploma in Agriculture.*

Walter Charles Nickerson Churchyard.  
 John Downey.  
 Joseph Richard Evans.  
 John Lewis.

*Diploma in Dairying.*

Walter Charles Nickerson Churchyard.  
 Elizabeth Eleanor M. Davies.  
 Sarah Eleanor Davies.  
 John Downey.  
 Annie Nona Morris Jones.  
 Margaret Elizabeth Phillips.  
 Donald Edwin Ralph.  
 Elizabeth Lena Seavor.  
 Cecilia Walters.

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*Degree of M.A. :—*

Nesta Elizabeth Cledwyn....	....	....	French.
Cuthbert Chegidden .....	....	....	Education.
Elwyn Davies .....	....	....	Geography.
Annie Beatrice Jones .....	....	....	Economics.
Lewis Ivor Lewis .....	....	....	English.
John Hopkin Morgan .....	....	....	Welsh History.
Thomas Isaac Phillips .....	....	....	Welsh.
Jack Killa Williams .....	....	....	French, with distinction.

*Degree of M.Sc. :—*

David Thomas Davies .....	....	....	Pure Mathematics.
Evan Davies .....	....	....	Geology.
Olwen Davies .....	....	....	Chemistry.
Walter Hughes Jones .....	....	....	Agricultural Economics.
Dorothy Skeel Meyler .....	....	....	Pure Mathematics.
John Owen Thomas .....	....	....	Agricultural Botany.
Glynne Samuel Walters .....	....	....	Chemistry.
Harold Valentine Walker....	....	....	Chemistry,

*Degree of Ph.D. :—*

Evan Richard Hywel Davies .....	....	....	Chemistry.
David Thomas Lewis .....	....	....	Chemistry.
Ahmad Ali Querashi .....	....	....	Agricultural Botany.

*Degree of D.Sc. :—*

John Stanley Lewis .....	....	....	Chemistry.
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## GREEK.

MR. E. D. T. JENKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary	13	7	6	6
Intermediate	13	1	12	6
Subsidiary	4	—	4	4
Final	6	1	5	4
	(1 1st yr. Hons. also)			
Hons. 1st Yr.	—	—	—	—
Hons. 2nd Yr.	—	—	—	—
<b>TOTALS</b>	<b>36</b>	<b>9</b>	<b>27</b>	<b>20</b>

The number of students registered in the Department at the beginning of Session was appreciably higher than for several years, but as a result of withdrawals—more particularly from *Elementary*—the number attending classes in mid-session was about normal.

*Elementary.* The six students who were continuously members of this class proved very satisfactory and deservedly passed in the examination.

*Intermediate.* This class was composed of weaker students than usual, in spite of the fact that those members of it who were in their first Session had studied Greek for some years before entering College. A failure to acquire any real mastery of the elements of grammar and syntax proved a constant handicap to such students, and it cannot be too often pointed out that something more is required than a readiness to learn the translation of a Set Book. Still, the class contained some promising students, among whom Mr. H. J. Charles and Mr. H. J. Phillips deserve particular mention.

*Subsidiary.* This class was made up of four students, one of whom was sitting for Honours in Latin this year. All were painstaking and industrious, while Mr. D. L. Jenkins showed a promise which augurs well for the future.

*Final.* The class contained six students, three of whom were Theological College Students who had completed the preceding stages in another constituent College of the University, and of the five who sat the examination four were successful. Mr. A. J. B. Higgins, first holder of the Marshall Memorial Exhibition, who will be sitting Honours next year both in Greek and Latin, sent in uncommonly good work which well deserved the praise bestowed upon it by the External Examiner, but perhaps the most meritorious performance was that of Mr. D. Alun Thomas, who had begun the study of Greek after entering College less than four years ago.

As in previous Sessions, I am glad to acknowledge the valuable help and support of Mr. P. K. Baillie Reynolds, Lecturer in Ancient History,

and of Mr. A. M. Duff, Assistant Lecturer in Classics. The Department was pleased also to welcome Professor Bensly, who in the second term delivered a much appreciated course of lectures on the principles of Textual Criticism.

The Head of the Department has given help to other Departments in the course of the Session. He has given tuition throughout to a candidate for Latin Honours offering "the Stoic Philosophy" as a special subject, and has delivered a course of ten lectures on "The Politics" of Aristotle to the members of the Second Year Honours Modern History Class.

He has also continued to give assistance to the Principal in correcting the proofs of the new and revised Edition of Liddell and Scott.

### LATIN.

PROFESSOR E. J. WOOD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Preliminary .....	30	2	23	14
Intermediate .....	39*	—	42	25
Subsidiary .....	14	—	14	14
Final .....	4	—	4	3
Hons. 1st Yr. ....	2	—	—	—
Hons. 2nd Yr. ....	3	—	3	{ 1 Cl. I 1 Cl. IIa 1 Cl. IIb
<b>TOTALS</b> .....	<b>92</b>	<b>2</b>	<b>86</b>	<b>59</b>

\* Four others were promoted from Preliminary in January.

The number of students in the Department shows a decrease of two from last year's total. Although the Preliminary and Intermediate classes have been slightly larger this year, the increase has not been great enough to counteract the small numbers of the Final and Honours classes, a state of things which Professor Mountford prophesied would last for two years. I am glad to report that there are indications of a larger number entering the Honours Course next year. The same number of courses has been given as last year, and the general work of the Department has been satisfactory.

*Preliminary Course.* A considerably larger number sat the Sessional examination this year than was the case last year and a fair proportion of the class obtained passes. Of these it is hoped that not a few will pass the Intermediate examination in September. Four members of the class worked so well that they were promoted to the Intermediate class in January, and two of these four have passed the Intermediate examination.

*Intermediate Course.* This class was of average ability and most of its members worked seriously and acquitted themselves well. Of the "repeat" students in the class, some made good progress, but there still remain a few who seem to have no desire to improve themselves.



*Subsidiary Course.* This was a most satisfactory class. All the members worked well and some attained a very high standard. There were no failures in the Sessional examination.

*Final Course.* Three of the four members of this class passed the University examination, and their work throughout the session was very commendable.

*Honours Course.* Of the three who took the University examination, Miss Nelian Rees obtained First Class Honours, the other two being placed in Class IIa and Class IIb respectively. The work of the Honours students has throughout the year been eminently satisfactory. They have, one and all, shown zeal and initiative and a gratifying interest in their subject. The work of the first year Honours students encourages high expectations of their future

*General.* Mr. P. K. Baillie Reynolds has had complete charge of the Roman History studies in the Department and has rendered valuable assistance in other directions also. Mr. A. M. Duff's work in the difficult Preliminary Course and on the linguistic and literary sides in all Grades, is also to be highly commended. It is a pleasure, too, to thank Mr. E. D. T. Jenkins, for the able way in which he has conducted the Honours Course in Stoic Philosophy, and Professor E. Bensly for the valuable course of lectures which he gave on textual criticism during the Spring term.

Mr. Baillie Reynolds is preparing his sixth report on the excavations at Caerleon which he hopes to publish in the near future. He intends taking part in the excavations at Verulamium as usual in the course of the summer. He is also the author of a delightful article entitled "The Myth of Virgil's Aeneid" which appeared in the Oxford Magazine in February, 1933. The Loeb edition of some Minor Latin Poets on which Mr. Duff has been at work is now nearly ready for the press. My Inaugural Lecture, entitled "The Golden Mean in Latin Literature," which was published in the May number of the "Dragon," was delivered in January of this year.

In submitting my first report as Head of the Department, I should like to express my keen appreciation of the manner in which the path has been smoothed for me by the excellent system of organization which Professor Mountford left me, by the loyal and ever ready assistance and advice afforded me in every direction by Mr. P. K. Baillie Reynolds, Mr. A. M. Duff, and also by Mr. E. D. T. Jenkins of the Greek Department, and finally by the willingness and responsiveness of the students which have been a great encouragement to me.

**GERMAN.**

MR. DAVID EVANS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Science Classes	18	} No	examination	held.
Elementary	18			
Intermediate	55	6	48	42
Subsidiary	27	4	23	22
Final	8	1	7	7
Hons. 1st Yr.	4	—	—	—
Hons. 2nd. Yr.	6	—	6	6
<b>TOTALS</b>	<b>136</b>	<b>11</b>	<b>84</b>	<b>77</b>

The classes for Chemistry and Botany students were held twice a week and very fair progress was made by the best students. It would be a great saving of energy and time if schools could provide a little elementary instruction in modern languages for their most brilliant science students so that the class could read texts in the modern language with greater ease in their second and third year in college. Possibly this arrangement could be initiated at the bigger schools, because a knowledge of German is universally recognised as a great asset for higher work in all branches of learning.

The classes arranged annually for members of the teaching staff and a few research workers are appreciated; very useful work is done in spite of great diversity of interest and time-table difficulties.

The number of students attending the elementary and intermediate classes increases every year. Great praise is due to them for their diligence because the time-table provides every year a few inevitable clashes. Special mention must be made of the work of Dilys Maud Rees, Frances Glenys Edwards, Jessie Elizabeth Mary Edwards, Kenneth Owen Morris, Brynmor L. Davies, and Gwenllian Parry Jones.

The Subsidiary Class worked steadily throughout the session and the general standard was higher than for many years. The following deserve special mention:—Gwendolen M. Bagnall, Arnold Vernon Davies, Hugh T. E. Evans, John Wigley Gronow, Annie A. Jones, John Evans Morris and Graham Thomas. I hope the majority of the class will proceed to Final or Honours in German. Their interest and keenness made heavy teaching a pleasure.

The Final Class seem to feel the course a little difficult and although all the candidates passed, the general level was not as high as usual.

The Honours Class consisted of six candidates and three of these gained first classes comfortably, viz., Mr. T. Pugh Williams, Mr. Edgar Jones and Miss Olive Harris. These students had done very little or no German four years ago and to obtain averages of over 80% speaks highly of their linguistic and literary ability.

Two former students at the department are engaged on research work and hope to submit their results for a higher degree at a later date. Mr. J. R. Richards, B.A., also a former Honours student of the department and now a missionary in Shiraz, Persia, has published a book on *The Religion of the Baha'is*, which is regarded as the best treatise in any language on the religion, philosophy and educational aims of this important oriental sect. We wish him every success in his new sphere.

Grants from the valuable Travelling Scholarship Fund were made to several students of the department. They intend spending the long vacation in Germany and have already prepared detail plans of their travels and visits. Former German assistants in the department prove always very helpful in obtaining permission for our students to enter schools, libraries, etc. A great many students, who have not been outside Wales, are enabled by this fund to see some of the great historical and cultural centres of the occidental world.

Dr. Schenk has returned to Germany and will be replaced next session by Dr. Freytag of Jena University. Mr. Handel Edwards will remain in the department till next Easter. He hopes to submit his research work on the development of dramatic technique in Germany for his higher degree at Christmas. Both Dr. Schenk and Mr. Edwards have given most willingly of their services inside and outside the classroom.

The German Circle was well attended throughout the session and the acting of one act German plays, scenes from Goethe's Faust, etc., reached a very high standard. The last meeting was a very successful picnic to Stratford-on-Avon. We visited Worcester Cathedral on the way there, and after seeing a performance of Shakespeare's Merchant of Venice we inspected the theatre and visited the Parish Church and the poet's birthplace.

I have given the usual lectures on German tragedy to the English Honours class and several lectures on various subjects to local literary societies.

Finally I wish to express my gratitude to Dr. A. B. Thomas for a lecture on phonetics with gramophone illustrations to my intermediate class, to Professor Gwilym Owen for the use of the Physics theatre and the lantern, to the Bethel Young People's Guild for the loan of an epidiascope, to Mrs. Guthkelch for the use of the Drawing Room at Alexandra Hall for the German Circle, to Professor Parry-Williams for his kind help in literary matters and to Miss Hermia Rees for her patient and loyal help in every way.

## FRENCH.

PROFESSOR ANDRÉ BARBIER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary	5	1	—	—
Intermediate	45	1	39	24
Subsidiary	45	—	43	35
Final	14	—	14	11
Hons. 1st Yr.	10	—	No Exam.	—
Hons. 2nd. Yr.	8	—	7	7
TOTALS	127	2	103	81

The work and progress of students of all grades were very satisfactory and the percentage of passes at the University degree examinations was good, except in the section of the Intermediate where a special course was arranged for students intending to take Honours in Geography; there, the number of failures was abnormally high owing to the fact that some students came ill prepared, and others did not devote to the subject the time and attention required.

Of the eight students who were presented for Honours in French, two obtained a first class; they were Miss Aelwyn Davies and Miss Phyllis Edith Mary Evans; two were placed in the first division, and three in the second division of the second class; one was absent from part of the examination.

Eight candidates, seven who took Honours and one who took the Final examination, were granted the Certificate of Oral Proficiency.

Miss Nesta Cledwyn and Mr. Jack Killa Williams held this session the second year of the University studentships which had been awarded to them in July, 1931. Both completed this June their scheme of study for the degree of M.A., Miss Cledwyn by presenting a very able dissertation, on *la langue et le style de Maurice Barres*, and Mr. Williams, with distinction, by presenting a remarkable dissertation on *Noun valency, or a study of determination of the noun and a contribution to the study of the word-group*. Mr. Williams had just been awarded a University Fellowship.

Six past students are now actively engaged in the preparation of M.A. dissertations, and several will present themselves for examination in the course of next session.

Three students who pursued last session the first year of the Honours course in French spent the whole of this session in France; one as English Assistant in the Lycée Thiers, at Marseille, one as English Assistant in the Lycée de garçons at Rennes, and the third as Secretary to one of my colleagues who holds a chair in the University of Caen. They will return here to complete their Honours course next session.

Seven students were awarded Travelling scholarships in June, 1932 and were thus able to spend the long vacation in various parts of France. Six were awarded Travelling scholarships this June after satisfactory pursuance of the first year of the Honours course in French. The knowledge of the French country, life and institutions obtained by these scholars and their personal contact with the French people are of immense value to the department generally.

A considerable amount of research was carried on in the department during the present session. Little was published, but several contributions to knowledge are in print, including an important volume by Miss Margaret Phillips on *Philarète Chasles* which has been accepted by the University of Paris for the degree of Doctor.

An article by Mr. Jack Killa Williams on "*Gallois et occitan : le bilinguisme*" appeared in the *Revue des pays d'oc* for December, 1932.

To my colleagues, Miss E. Margaret Phillips, Dr. A. B. Thomas and Mr. Victor Deleamar, I desire to express my great indebtedness for their unflinching support and assistance.

### PHONETICS.

DR. A. B. THOMAS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking College Exams.	No. passed.
Intermediate	42	4	38	31
TOTALS	42	4	38	31

The usual classes have been held with the addition of a transcription class for students who failed in that part of the work last year. It will be necessary to devote more time to ear-training exercises and transcription in the future. If the number of students does not decrease, this will mean extra classes to enable me to give more attention to individuals.

Mr. Glanmor Davies, B.A., has worked under my supervision in the Phonetics Laboratory during the whole of this session. He has shown great aptitude for practical work and intends next year investigating problems in Welsh Speech and especially the dialect of his home district.

## ENGLISH.

PROFESSOR J. W. H. ATKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	53	2	51	41
Subsidiary	81	2	79	65
Final	32	—	32	29
Hons. 1st Yr.	7	—	7	6
Hons. 2nd Yr.	13	1	12	12
Postgraduate	1	—	—	—
TOTALS	187	5	181	153

During the past session the usual classes have been held, and the year's work on the whole has produced results of a satisfactory kind.

I have to record in the first place the award of a University Fellowship to Mr. B. G. Charles, who had previously been awarded the degree of M.A. with distinction on the strength of his dissertation *Old Norse Relations with Wales*. This work has recently been accepted by the Board of Celtic Studies as representing a valuable contribution to the subject: and it is hoped that in the near future it may be duly published. During the present session Mr. Charles has been working in London on *English Place-names in Pembrokeshire, Gower, etc.*; and he has already collected a certain amount of useful material. In June of this year moreover Mr. L. Ivor Lewis, B.A., was also awarded the degree of M.A., in virtue of his dissertation entitled *Tendencies in modern Drama*; and in addition, Mr. Bartholomew, B.A., having been awarded a Research scholarship, has been in residence this session engaged on an investigation of Lowth's *Criticism of Hebrew Poetry*.

The Honours Class this year reached a good average standard of attainment, though lacking in the individual brilliance of some of the earlier years. Out of 12 candidates all were awarded Honours; and of these, one, Miss Ceinwen M. Jones was placed in the First Class. Of the remainder, five were placed in the Second Class (Division I), four in the Second Class (Division II) and two were awarded Third Class.

Of the First Year Honours students, seven in number, six were successful in completing a satisfactory year's work, the work of Miss Annie A. Jones and Miss N. G. Evans being of outstanding quality.

At the Final (Pass) Stage out of 32 who sat the examination, 29 were successful. At the Subsidiary stage, out of 79 candidates, 65 passed the College examination; and at the Intermediate stage out of 51 candidates 41 completed the course. One student entered for the further test but failed to qualify for admission to First Year Honours next session.

As in previous years the work of the Department has been assisted by short Courses of lectures given by Professor Barbier and Mr. David Evans on French Tragedy and German Tragedy respectively; Professor Wood also lectured to the Honours Class on Horace's *Ars Poetica*; and I gladly take this opportunity of thanking all three for their valuable assistance.

In conclusion my warmest gratitude is due to my colleagues in the Department, to Miss Winstanley, Mr. Earnshaw, and Mr. Palmer for their unflinching loyalty and untiring efforts in carrying on the work of the Department.

### HISTORY.

PROFESSOR R. F. TREHARNE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	57	2	54	45
Subsidiary	72	—	70	63
				2 allowed Inter.)
Final	28	—	30	23
Hons. 1st Yr.	10	(2 trans. to Final)	8	8
Hons. 2nd Yr.	10	1	9	9
Postgraduate	2	1	—	—
<b>TOTALS</b>	<b>179</b>	<b>4</b>	<b>171</b>	<b>150</b>

There has again been a considerable increase in the number of students in the department, occasioned chiefly by a large addition to the Subsidiary class.

The *Intermediate* class after a very disappointing beginning, improved unexpectedly in the sessional examinations, possibly on account of drastic measures in the two terminal examinations. Only 9 candidates failed in June, and though there remained a long list of passes with the most meagre margins, it was pleasing to note the surprising improvement of more than two-thirds of the candidates who had done badly in terminal examinations. Another satisfactory feature was the great improvement in the map work. R. A. Williams did outstanding work throughout the session. In spite of the improvements noted, however, the class is still far from being genuinely satisfactory.

The *Subsidiary* class was enormously swollen in numbers, but despite the work of some eight really good students, the majority of the class were of mediocre or poor ability, and although only seven candidates failed, there were several weak and doubtful cases. The essay-group of students from this class who wish to proceed to Honours in History was much larger than usual, fifteen students being originally admitted. Of these, excellent promise has been shown by Alun Davies, and Arthur Beacham, while Alun Lewis, G. E. McGrath, and C. R. Williams have done very good work too. These students easily headed the Subsidiary class as a whole, but of those who do not intend to proceed to Honours in History, F. L. Templeman and J. W. Gronow deserve special mention.

The *Final* course has now reached its stable form under the new scheme, and has undoubtedly proved a very searching test for students who rely on memorising lecture-notes, though it correspondingly sets off to great advantage the students who read independently and work

intelligently and hard. This explains the fact that while, at the top of the list, Ivor Walker, C. D. J. Trott, Susannah Watkins, and David G. Thomas, did very pleasing work, the number of failures (seven) was relatively high, and there were as many weak passes.

The *First Year Honours* group was not so strong as last year, though it contains two students of great promise—David G. Stevens and R. K. J. Grant, while Trevor P. Lewis has frequently produced first class work. Two of this group, having been proved by the essay class work to be unsuitable for Honours, were transferred to the Final class, where their performances justified the change. The most pleasing feature of the work of this group was perhaps the real determination with which four of the weaker members set themselves to improve their work, with very creditable results indeed. Foreign languages have proved a serious difficulty in several cases, but hard work has in most instances overcome the defects of school training, though the time necessarily devoted to acquiring the requisite working knowledge of French and Latin has been a serious drain on the Honours work of these students.

The *Second Year Honours* group distinguished itself by a very fine performance. Of the original ten, one member withdrew on being appointed to a post in the Cardiff City Library. Of the remaining nine, after a session's work which will not easily be bettered, three obtained first class honours degrees, four were placed in the first division of the second class, and the other two in the second division of the second class: there were no third class degrees given. Mr. I. J. Sanders distinguished himself particularly, and Mr. A. J. Roderick and Mr. A. W. Rees also did excellent work, while Mr. A. J. Mole and Miss R. M. R. Sutton have also deserved special commendation.

*General* (i) The contrast between the performance of the Honours groups taken as a whole, (including the less strong members as well as those who have been outstandingly good) and that of the Pass groups taken as a whole, confirms the importance (referred to in previous reports) of employing the essay-class system. It must be emphasized that, with all save the lazy and the really unintelligent (who are, after all, but a small proportion) the essay class can make all the difference between true understanding and genuine knowledge on the one hand, and memory work, superficiality and spoon-feeding on the other. Not until this department can offer essay classes to its Pass students will it be doing justice to them in the fullest measure.

(ii) Difficulties of both First Year Honours and Subsidiary students desiring to proceed to Honours in History have arisen in the matter of foreign languages, with very serious effects in several cases. Three first year Honours students are still in trouble in this matter and cannot proceed to Honours unless they obtain their language qualifications in September. Nor are these three necessarily the weakest students. On the contrary, both in this and in the Subsidiary group some of the very best students are in this difficulty. The trouble arises because students come to College inadequately prepared in foreign languages: all students wishing to proceed to Honours in History must in general have obtained the Intermediate qualification or its equivalent in both French and Latin before their admission to the First Year Honours course. This means that any such student should come to College with at least School Certificate credits in both of these subjects, and preferably with Higher School Certificate credits in one, at least, of these languages. Yet of those who apply for admission to the Honours course in History, at least half have not passed the School Certificate in both of these languages, while several are entirely ignorant of one of the languages, and a few have no qualifications in either.



Students, parents, and headmasters ought to consider these matters in shaping the courses of such candidates for Honours : the information is fully set out in the College prospectus, and I will readily do whatever I can to assist and advise in difficult cases if I am consulted at a sufficiently early stage.

(iii) Students have hitherto proved very unwilling to use maps in their written work. Accordingly we have introduced compulsory map-questions into all terminal and sessional examinations below the Final grade, and the same rule will apply to the Scholarship papers in future. The importance of historical geography, especially in the general outline courses, cannot sufficiently be emphasized, and we hope by this means to compel students to make better use of the excellent maps which the department possesses. The work of the Intermediate class suggests that we shall be successful in this.

(iv) The Intermediate course covering the History of Civilisation which has not proved satisfactory will be replaced next year by a more suitable course in Medieval and Modern European History to 1815, in which the students will receive more adequate treatment in lectures and in guidance for private reading. This arrangement is temporary only, until a more elementary course of a simpler nature, in English and Welsh history, can be provided ; but at present staffing difficulties forbid the proper solution of the difficulty.

(v) The growing success of the Historical Society and its increasingly important part in the life of the History School deserves special mention. The Society has had a very successful year, and in addition to lectures by Professor F. M. Powicke, Regius Professor of Modern History in the University of Oxford, and members of the College staff also, the Society had a most successful visit to Harlech. The usefulness of the Society in helping to build up the right atmosphere for the History School is increasingly clear, and the Society's officers have played a very helpful part in this year's work.

*Research.* Mr. F. R. Lewis, B.A., has completed the first session's work on his thesis, "Richard of Cornwall, King of the Romans, 1257-70," and has done work of the highest promise. A post-graduate class in the elements of research method has been held during the session, the medieval seminar library proving invaluable for this purpose. Mr. Lewis and the three medievalists in the 2nd Year Honours group have discovered many useful corrections of and additions to certain articles in the Dictionary of National Biography, and I propose to secure the publication of these discoveries, in a very summary form, in the Bulletin of the Institute of Historical Research. The medieval postgraduate seminar will next year be increased by the addition of either one or two students who graduated this year : their performance hitherto promises excellent and useful work, and I hope that this will be the beginning of a permanent development of postgraduate study in Medieval History at Aberystwyth.

As in previous years my thanks are due to the Principal, Professors Chapple and Roberts, the Rev. H. Morgan, and Mr. P. K. Baillie Reynolds for their help in the Intermediate course : to Mr. E. D. T. Jenkins and Mr. J. Morris for special courses for my second year Honours students ; to Professor Lewis, who took two of the Final students for his Welsh History course ; and to Professor Roberts, who continued his course in Modern British History for Final and First Year Honours students.

*Extra-Mural Activities.* Mr. Herbert gave a course of lectures, under the Exchange Scheme, on the Economic History of the U.S.A., in

the Dept. of Economics at Bangor, and conducted week-end summer schools for the W.E.A. at Swansea, Harlech and Stoke-on-Trent. I have delivered lectures to the Towyn branch of the L.N.U. and to two local organisations in Aberystwyth, and have been co-opted as a member of the Joint Committee on means of co-operation between Historians, Geographers and Archaeologists, set up by the Royal Historical Society, the Geographical Association, and other kindred organisations at the suggestion of the Anglo-American Conference of Historians.

**In conclusion**, once more I wish to record my sincerest thanks to Mr. Herbert for the loyal and zealous co-operation which he gives me in the work of the department, a service which has done much to bring about the excellent results which the session has witnessed.

## COLONIAL HISTORY.

PROFESSOR T. STANLEY ROBERTS.

Lectures were delivered by me to the Intermediate Class on Colonial History during the Session. The number of hours allotted for this purpose under the present scheme is too small to enable the lecturer to give students any estimate of the importance of Colonisation.

I lectured to the students taking the Final Course and the First Year Honours Students on British Constitutional History from 1485 onwards. A number of the Final Students were very good indeed, and it was a pleasure to read their scripts. Of these Messrs. Clive, D. J. Trott and David Glyn Thomas deserve special mention. For style and capacity in composition Mr. Ivor Wright claims notice.

Of the First Year Honours Students, Mr. David George Hopkins did well, and gained an A minus for his work.

A number of former graduates who took the Honours Course in Colonial History are busy working for their M.A. degree.

Last year I was privileged to notice the appearance of a book on the North West Frontier of India by a former student, and this year I have the like privilege. Mr. R. A. E. Williams, I.C.S., known in College as Mr. Ellis Williams, has just published a book on "Bihar and Orisa in 1931, 1932." The "Notice" announces that "The task of preparing this book has been entrusted to Mr. R. A. E. Williams, I.C.S., and it is now published under authority, and with the general approval of the Government of Bihar and Orisa, but it must not be assumed that the approval extends to every particular expression of opinion."

## WELSH HISTORY.

PROFESSOR E. A. LEWIS.

*Degree Courses in Welsh History.* The number of students including Welsh History in their degree schemes of study was somewhat disappointing. At the Final stage in History two only out of a class of 38 selected "*Wales under the Tudors*" as a special period. Both, however, worked satisfactorily, and one of them, Mr. Glyn Thomas performed very creditably in the University Examination in June. One Honours student in the Economics Department offered "*The Economic History of Wales during the Nineteenth Century*" as a special subject, and made commendable progress.

*Postgraduate Research.*

(1) Mr. J. Hopkin Morgan, B.A., a former student of the College completed "*A Study of the Economic Development of the Commote of Carnwyllyn*," and was awarded the degree of M.A., in January, 1933.

(2) Miss A. B. Jones, B.A., (who was granted a Sir John Williams' Research Studentship in 1931) secured the degree of M.A. for a valuable and interesting dissertation on "*Work, Wages, and Prices in Wales during the Sixteenth Century*." Miss Jones worked assiduously for a period of two years, and succeeded in assembling and analysing much new and important data relative to wages and work, and the prices of commodities, in Wales during the Tudor period. Her dissertation, though at many points of a pioneer and preliminary character, will prove very useful to future researchers in this branch of Welsh Studies.

(3) Mr. G. Dyfnallt Owen, B.A., (the holder of one of the University Fellowships) commenced a scheme of study entitled "*Agrarian conditions and changes in West Wales during the Sixteenth Century*" in preparation for the degree of Ph.D. During the first two terms of the Session Mr. Owen worked mainly in the National Library of Wales, and during the Summer Term at the Public Record Office, London.

(4) *Palaeography, etc.* Two classes for instruction in Palaeography were held weekly during the first two terms of the Session. Eight postgraduate students—including six holders of University and College Research Scholarships, and two members of the Records Staff of the N.L.W. attended the classes, and made really good progress. Several individual research students (resident and non-resident) were advised from time to time as to sources and problems connected with their various investigations.

*Personal Research.* In addition to continuing my survey of Records relating to Wales on the lines indicated in my last year's report, considerable time was devoted to the compilation of *A Schedule of the Bronwydd Manuscripts* deposited by Lady Lloyd and the late Sir Marteine Lloyd in the N.L.W.—a large and unique collection of manorial and other documents extending from the fourteenth to the middle of the nineteenth century. Substantial progress was also made with '*A Survey of the Printed Texts of Original Documents in the publications of the Cambrian Archaeological Society.*'"

I beg to thank the executors of the late Dr. Ferdinand Rees of Brighton for a valuable consignment of Books relating to Wales. Some of these have been added to the Seminar Library of the Welsh History Department, but the majority have been deposited in the College Library for general use.

**ECONOMICS AND POLITICAL SCIENCE.**

PROFESSOR R. B. FORRESTER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary .....	85	4	78	68
Final .....	33	—	33	30
Hons. 1st Yr. ....	(9)	—	—	—
Hons. 2nd Yr. ....	15	—	15	15
Economic History .....	10	—	10	10
Post Graduate ....	3	—	1	1
<b>TOTALS</b> .....	<b>146</b>	<b>4</b>	<b>137</b>	<b>124</b>

*Progress of Classes.*

The number of students pursuing the various courses in the department (146) showed a further slight increase; the Subsidiary class (85) was very large as was also the Honours group. The Subsidiary Class impressed me by the careful attention given to the subject and responded well to teaching effort. A considerable number showed both competence and distinct promise; they could pursue the subject with success. Mr. J. H. Morris again devoted special attention to the tutorial needs of this class. The various alternatives offered at the Final stage were taken by 33 students; of these 26 took the Economics Final, five Economics and Politics and two Final Agricultural Economics; the general level of achievement in this class was distinctly satisfactory and a considerable number of its members are likely to go forward to further study.

There were fifteen members of the Honours classes, of whom ten were taking Economics and five were offering Economics with Agricultural Economics. Of the ten who took Economics, one, Miss Menna Jones, was placed in the First Class, three were placed in the First Division of the Second Class, and five were placed in the Second Division, one had unfortunately to retire through illness. This class worked steadily and showed continuous improvement in its standard; the number of optional subjects which may be chosen by Honours students in addition to their main subjects has always been considerable in economics and during the present Session, the department has had the assistance of Professor E. A. Lewis for Welsh Economic History and of Professor A. W. Ashby for Rural Sociology. It is a matter of regret that at least four members of the class were seriously affected by illness during the year.

Two post graduate students have been working in the department; Mr. Graham Hopper, B.A., has made a study of Anglo-Irish Trade from 1923 to the present time, which deserves publication for its useful results and Mr. R. A. Smith, B.A., has completed part of his survey of the position of the Industrial Co-operative Movement in Wales. Both have proved to be thoroughly competent men. Miss Annie Beatrice Jones, B.A., a former student of the Department, has been awarded the degree of M.A.

in Economics for a study of Work, Wages and Prices in Wales in the Sixteenth century; she worked under the supervision of Professor E. A. Lewis.

*Staff.* Mr. Percy George has been on leave of absence throughout the Session; as a Rockefeller Foundation Fellow he has visited a considerable number of Universities and other institutions for economic research in the U.S.A.; he has made special inquiry into the methods of forecasting business conditions so widely practised in the U.S.A., a subject in which by his training and experience he was especially well qualified to appreciate American methods. Mr. George addressed the American Association of Economists at their annual Conference. Miss Marian E. A. Bowley has completed her year as temporary Assistant Lecturer for the Session 1932-33. She was able to carry through the very considerable labour of lecture preparation and to prove herself an interesting and stimulating teacher. Her colleagues will hope that she will be able to carry forward her valuable experience as an academic teacher, which has begun at Aberystwyth. Mr. J. H. Morris hopes to complete his thesis for the M.Sc. (London) during the present summer; his subject is the Woollen Industry of the West of England from 1760 to 1830. I delivered my Presidential Address to Section F (Economics and Statistics) of the British Association in September, 1932, at York, upon "Britain's Access to Overseas Markets." During the year I have devoted special attention to international trade, to which subject I hope to make a published contribution soon. A list of my publications is given later.

*General.* Some of the questions mentioned in my last report as due for action have been dealt with. Professor Ashby and myself have been able to revise courses of study in such a way as to strengthen the curriculum in Economics with Agricultural Economics. Through the co-operation and help of the Rev. Herbert Morgan, the Director of Extra-Mural Studies, an arrangement was made whereby Mr. Hughes Griffiths and Mr. Hughes Lewis, both tutors on the extra-mural staff, were enabled to deliver lectures to the Honours students; Mr. Hughes Griffiths dealt with economic theory and Mr. Hughes Lewis with certain aspects of banking. It is of course true that such co-operation is limited to three or four weeks of the Summer term and, from the standpoint of the Departmental teaching, this comes late but nevertheless, the preliminary plan worked quite well and it is intended to develop the conception in later years. Mr. J. Morgan Rees, M.A., Lecturer in Economics in the University College of North Wales, Bangor, visited Aberystwyth in March, 1933, under the scheme for the interchange of College teachers. He delivered a course of three lectures upon "The Monetary Crisis and the Price Level" to the Honours and Final students; this was distinctly successful in arousing and stimulating interest in monetary theory and it showed that the College interchange scheme can be of great value.

The National Library of Wales has during the year extended its purchases of foreign economic periodical journals and of foreign books on economics; Honours students and research workers are much indebted to the Library Council and to Mr. W. Ll. Davies, the librarian, for this great aid to work which necessitates the consultation of international material.

I alluded in my last report to the centralization of the Department at No. 9 Marine Terrace and of the work which was being done there; this has been developed during the year and has become an essential aid to the teaching staff. The care of the Class library, the use of the statistical laboratory, the preparation of diagrams and of statistical material for class purposes have all been undertaken by Miss C. G. Hughes,

the clerical assistant ; I desire to record my appreciation of her efficient and conscientious work.

To Mr. J. H. Morris and Miss M. E. A. Bowley, I wish to express my indebtedness for their support and assistance. My sincere thanks are also due to my colleagues for their kind co-operation, to Professor E. A. Lewis, Professor A. W. Ashby, Professor Jerome Greene, Dr. J. Vranek, and the Rev. Herbert Morgan.

### INTERNATIONAL POLITICS.

PROFESSOR JEROME D. GREENE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final	5	—	5	4

Having been elected Wilson Professor of International Politics to succeed Professor Webster as from October 1st, 1932, I arrived in Aberystwyth at the end of that month. After a week there and a few days in London I went to Geneva to observe the meetings of the Council and the Assembly of the League of Nations. My connection with the Institute of Pacific Relations had given me a special interest in the Sino-Japanese conflict which was foremost on the agenda of the League during the sessions of November and December, and I took advantage of the opportunity to discuss the subject with delegates of both countries as well as with others.

Upon the adjournment of the Assembly before Christmas I returned to Aberystwyth to prepare for the work of the second term. Dr. Vranek continued to conduct his courses for Final students in Comparative Politics and International Politics, as announced in the Prospectus, while I devoted my time chiefly to the preparation and delivery of my first course of public lectures. These were on the general subject of "International Co-operation Toward Peace." The titles of the six lectures were as follows :

1. Idealism and Realism in Efforts Toward Peace (Inaugural Lecture)
2. American Policy and Opinion Regarding International Co-operation.
3. American Policy in Latin America.
4. Sino-Japanese Relations, I.
5. Sino-Japanese Relations, II.
6. The Psychology of International Relations.

During the term I also gave the following Lectures :

- Weaknesses in the Procedure of the League, at the Royal Institute of International Affairs, London.
- The League and the Manchurian Question, before the South-west Branch of the Historical Association and the local branch of the League of Nations Union, at Carmarthen.
- The Background of the Struggle in the Far East, at Sheffield University.
- China, Japan and the League, at the University College of North Wales, Bangor.

The Sino-Japanese Dispute; Popular Support of the League of Nations (two lectures), at the University College of Swansea.

At the end of the Lent Term I returned to the United States in order to follow the course of events there during the conversations held between President Roosevelt and special envoys of leading foreign governments on the subject of international financial and economic relations. I had the honour of a private interview with the President during the first of two visits to Washington and I also had conversations with higher officials of the Department of State, Members of Congress and Senators. During my stay in New York I delivered an address at the Century Club on "The League of Nations and Irreconcilable Conflicts" and another before the Japan Society on "The Economic and Cultural Substance of International Relations as Distinguished from Political Intercourse," at a meeting in honour of the Japanese Delegates to the World Economic Conference.

While the date of my visit to the United States was advanced for the reason above mentioned, its ultimate object was to enable me to attend the Fifth Biennial Conference of the Institute of Pacific Relations at Banff, Alberta, Canada, during the month of August. Preparations for this meeting have engaged a considerable amount of my time during the past two months. I shall relinquish the duties of Chairman at the close of the Conference. On July 11th I read a paper on "The Present-Day Development of Japan" before the Institute of Public Affairs at the University of Virginia.

During the session there were five students of the Final Stage. Of these, four passed the examination for the Degree and one failed. There were no Honours students this year. No Wilson studentship was held during the year.

The Library continues to expand. It is furnished with all the publications of the League of Nations, of the Permanent Court of International Justice and of the International Labour Organization. During the last year, special effort has been made to equip it with works dealing with the Far East—particularly with books and documents on the Manchurian question.

In September, 1932, Dr. Vranek visited Czechoslovakia where he met a number of public men and was received by the Permanent Chief of the Czechoslovak Foreign Office, Dr. Kamil Krofta.

The Scottish National Council of the League of Nations Union invited Dr. Vranek to address their Annual Conference at Callander (Perth) on the subject of "The Foreign Policy of Czechoslovakia." The conference was held from October 14th-17th, under the chairmanship of the Earl of Home. Dr. Vranek also delivered a similar address at Edinburgh, October 17th, at the request of the League of Nations Union branch in Edinburgh.

During the Lent Term, Dr. Vranek gave lectures on Central European problems at Abergavenny (Monmouthshire), February 17th, and at West Kirby (Cheshire), March 10th—in each case under the auspices of the local branch of the League of Nations Union.

During the session, Dr. Vranek represented me at the meetings of the British Co-ordinating Committee for International Studies. He has been appointed by the British Co-ordinating Committee to act as editor of the British Section of the "International Lexicon of Political

Terms"—a work which will be published simultaneously in four languages : English, French, German and Italian. At a meeting of the British Coordinating Committee, June 15th, 1932, he was further elected to be the British representative on the International Editorial Board for the Lexicon. The British Editorial Committee has held four meetings during the last session (August 4th, and October 28th, 1932 ; January 13th and March 17th, 1933) which Dr. Vranek attended.

Dr. Vranek also represented me at the Sixth Conference of the Institutions for the Scientific Study of International Relations dealing with the problems of "The State and Economic Life" which was held in London, May 29th—June 2nd, 1933. A meeting of the International Lexicon Editorial Board took place during this conference.

Mrs. Vranek was granted leave of absence during the Michaelmas and Lent Terms owing to illness. She resumed her work in the Summer Term.

In conclusion I wish to express my obligations to the Royal Institute of International Affairs at Chatham House, London, the Council on Foreign Relations, New York, and the American Council of the Institute of Pacific Relations for the generous hospitality with which they have placed the facilities of their respective organisations at my disposal during the past year ; and most of all to the Principal, the Advisory Board of the Wilson Chair and my colleagues of the University College of Wales for the cordial welcome and support they have given a layman venturing, from a foreign country, into the field of academic labours.

## WELSH.

PROFESSOR T. H. PARRY-WILLIAMS.

The number of students attending classes of various grades was slightly higher than last Session, and was as follows :

Grade	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	29	—	27	21
Subsidiary	42	1	40	35
Final	19	—	19	18
Hons. 1st Yr.	8	—	7	7
Hons. 2nd Yr.	3	—	—	—
Post Graduate	3	—	—	—
TOTALS	101	1	93	81

The work of the Department was conducted on lines similar to those adopted in previous Sessions, the usual courses were given and the results were in the main satisfactory.

*Intermediate Stage.* As in previous years, this class included a number of "mature matriculants," who, in spite of disabilities, yet



profited by the course and made satisfactory progress. With three or four exceptions, however, the members of this class, although industrious and conscientious, did not on the whole attain the high level reached in some previous years. The two most promising students were Mr. Lynn Thomas Walters and Mr. Evan David Roderick.

*Subsidiary Stage.* This class was by far the biggest, and included a large number of first year students, nearly all of whom did excellent work during the session. The results of the June Examinations were also highly satisfactory this session. There were very few "weak" members, and the performance of the class was most gratifying. Mention must be made of Miss Mair Elvira Thomas, Miss Eluned Davies, Miss N. Monica E. Morgan, Miss M. Rh. Collins, Mr. John Arthur Rogers, Mr. Cyril Raymond Williams, Mr. Gwilym R. Tilseley, Mr. E. Gwyndaf Evans, Mr. Garfield Hopkin Hughes, and Mr. H. J. Charles—an unusually long list of highly commended students.

*Final Stage.* There were three or four outstanding students whose work during the session and in the June examinations was of excellent quality,—Miss Avarina M. Evans, Miss Annie Avarinah Jones, Miss Ethel M. Davies, and Mr. T. R. Lloyd. The members of this class worked steadily and very satisfactorily, as the June pass-list proves. Some of them pursued the First Year Honours course and will be proceeding to the second year of the Honours Course next session.

*Honours Stage.* Reference has been made above to the First Year Honours students who did some Honours work in addition to the Final course. The Second Year Honours class consisted of eight very good students. One of them had unfortunately to abandon the class on the eve of the examination because of ill-health. Of the remaining seven, six were placed in the First Division of the Second Class in the June examinations and the seventh in the Second Division of the Second Class. Although no "First" was awarded this year, the result was certainly gratifying. The class was very even. The students worked most enthusiastically throughout the course, and applied themselves to their studies in a very praiseworthy manner. It was a very solid class. It is difficult to pick out an outstanding member, but the name of Mr. T. S. Davies may be mentioned as one who acquitted himself very creditably.

*Post-Graduate Work.* Mr. Thomas Jones, B.A., who took a "First" in Latin and in Welsh and who was awarded a University Studentship last year, has been doing research under the supervision of the Department. He has been working in a most satisfactory manner, as one might expect. So also has Mr. Dewi M. Ellis, B.A., who took a "First" two years ago and who is the holder of a Sir John Williams Studentship. Mr. J. J. Glanmor Davies, B.A., another research student and holder of a Sir John Williams Studentship has been continuing his researches into the spoken Welsh of the New Quay District and has almost completed his investigations. He has considerably extended the scope of his work and has been conducting interesting experiments in the Phonetics Laboratory of the College with the kind assistance of Dr. A. B. Thomas. His work, when completed, will, I hope, be a valuable contribution to Welsh studies in this direction.

Mr. T. I. Phillips, who took Honours in the Department some years ago, completed a scheme of study for the degree of M.A., which was awarded him this year. His subject was "The Dialect of the Ogwr Basin."

Some extra-mural work (lecturing, adjudicating, etc.) was undertaken by the Department during the session, and considerable time has been devoted to original research.

Mr. Thomas Jones, B.A., has been appointed Temporary Assistant Lecturer in the Department.

My cordial thanks are again due this year to my colleague, Mr. D. Gwenallt Jones, for continued loyal assistance and enthusiastic interest in the work of the Department.

### CELTIC RESEARCH AND PALAEOGRAPHY.

MR. TIMOTHY LEWIS.

Four graduate students worked at various aspects of Celtic Research in the Department during the Session 1932-3: Mediaeval Welsh and Latin Literature; The Laws of Hywel Dda; Welsh Place-Names.

One of the students has just been appointed assistant in the Department of Manuscripts in the National Library of Wales where, I anticipate, he will do good work.

Judging from the work already done by the other three students, I am led to expect substantial contributions to Celtic Research by them.

I have just finished passing the final proofs of the Black Book of Chirk through the Press. This MS. is the oldest Welsh MS. of the Laws of Hywel Dda and has not hitherto been published in a way possible for the modern student to use. It is probably the most important Welsh document in existence for the study of the Social history of Mediaeval Wales, and as it is imperative for students of history to have a reliable text, the edition will be a diplomatic edition and this difficult MS. reproduced as faithfully as it is possible to do in print.

I hope to finish for the press before the end of the long vacation my "Prolegomena to Celtic Heathendom" upon which I have been engaged for some time. It will, I hope, lead to the re-examination of the whole subject of Celtic Mythology and Religion in the light of modern research.

### WELSH LITERATURE.

PROFESSOR T. GWYNN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final ....	} 5	—	5	5
Hons. 1st Yr. ....				

There were no candidates this year in the Honours Stage. In the Final Stage, the students showed more than average aptitude, and the result of the sessional examinations proved highly satisfactory, most of the candidates possessing good qualifications for comparative work in literature.

Some classes in Early and Middle Irish and for the study of related elements in Welsh and Scandinavian metrics were arranged during the session.

The Rev. Father McGrath, M.A., who last year completed a special course on the early relations of Welsh and Irish material is now preparing his dissertation, which will deal with a number of problems of first class importance in the form and content of Celtic literature.

Mr. W. D. Williams now completes the third year of his tenure of a Sir John Williams studentship. He has read widely and made a number of interesting discoveries in the history of Welsh Lexicography and other matters. It is a pleasure to record high appreciation of his industry, method and keenness and of his great interest in his work. In addition to his main subject, which has involved extensive reading, he has ready for publication the texts of the material known as "Ystatud Gruffudd ap Cynan," an important document for the history of the bardic system in Wales. This work he started as a special subject during his degree course.

Mr. B. G. Owens has brought together the Welsh versions of *Dares Phrygius* and completed his study of their relation to each other and to the Latin text. During the session Mr. Owens was appointed to the staff of the National Library of Wales, and hopes to be enabled to complete his dissertation during the summer.

Mr. J. Iorwerth Williams, M.A., LL.B., a former student of the Department, was during the year placed on the short list in candidature for the appointment of Registrar to the University College of North Wales, Bangor. He has since accepted a position of high responsibility in a London legal firm. His interest in Welsh Literature continues and some of his critical articles are shortly to appear in book form.

The death, in his 28th year, of Mr. T. Hubert Rees, M.A., Mus.Bac., who worked in the Department for two years, unfortunately closed a brilliant record. His study of Early Welsh metric and native singing, although he had reached certain definite conclusions, thus remains unfinished.

Mr. Maldwyn Jones' work during the session as the holder of a Sir John Williams Studentship was very satisfactory and the Committee adopted the recommendation that the grant be renewed for a second year. Mr. Jones shewed exceptional capacity for research work of the type required in his subject. It is therefore a matter for the deepest regret that Mr. Maldwyn Jones met his death by drowning whilst bathing near Porthcawl, Glamorgan.

During the Session the Head of the Department delivered lectures to local and other Societies on "The Social History of Mediaeval Wales" and "Vaticinatory Literature in Welsh."

## PHILOSOPHY

PROFESSOR R. I. AARON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	39	—	39	26
Subsidiary	16	2	14	8
Final	14	—	14	12
Hons. 2nd Yr. & Prelim. M.A.	10	2	8	8
TOTALS	79	4	75	54

There was a slight decrease in the number of students reading philosophy this year. The decline in numbers has been steady since the abolition of the regulation which made philosophy (or a science course) compulsory for all Arts students. But we do not regret the absence of large classes. For the purposes of an intense, concentrated course of the kind which we now propose, in which much attention has to be given to each individual student, our present numbers are more than sufficient. During the year and with the extra help kindly afforded by the Council each student below the Honours grade has been set an essay every fortnight and every Honours student one a week. We have found this scheme most beneficial to the students in general.

*Intermediate Stage.* Much good work was done in this class. Mature matriculants form, comparatively speaking, a big proportion of the class, and many of them found great difficulty in getting into their stride. Some, however, improved rapidly during the year. The younger matriculated students, with one or two exceptions, worked satisfactorily with good results. Many of the students of this class show much promise.

*Subsidiary Stage.* Here again some of the work was most satisfactory. Two or three of the students stood out well and we expect much from them later. But the class as a whole was rather disappointing, and many were very weak indeed.

*Final Stage.* In contrast to the Subsidiary Class the Final Class (which included the First Year Honours students) was very bright and worked excellently throughout the year. The mature matriculants in this class were much more at ease in their work and compared favourably with the rest of the class. It is the first year which proves most difficult to the mature matriculant, and he needs all the help that can be given him then.

*Honours Stage.* The work of the eight men who pursued the Second Year Honours Course was also satisfactory. They were intelligent in discussion, and developed rapidly in powers of thinking and expression during the year. Mr. J. R. Jones, of Pwllheli, was put in the First Class with an alpha mark in each paper. His work throughout the year was

of like standard. The external examiner, who has now completed three years marking in Wales, wrote to me that Mr. Jones was easily the best student he had yet marked in Wales. Mr. T. B. Davies, whose work is also to be highly commended, was placed in the first division of the Second Class, together with Mr. H. V. Morris Jones. Mr. Goronwy Davies, Mr. J. D. Griffiths and Mr. G. O. Roberts were placed in the second division of the Second Class, while Mr. C. Evans and Mr. B. G. Thomas were placed in the Third Class. There were no failures.

*Postgraduate work.* A good deal of research work is being carried on at Aberystwyth. Owing to the lack of time I was not able to organise it as thoroughly as I should have liked. However, I supervised the work of the two registered research students carefully and found it quite satisfactory. Miss Megan Pryce Evans spent the year researching on the problem of the self in Empiricist writings. She made sound progress. Rev. Frank Hastings continued his researches on Humanism, but the subject did not yield him the full results he had hoped.

The Brough University Prize was awarded in 1932 to Miss Hettie V. Hall in recognition of the excellence of her M.A. dissertation.

The Philosophical Society had a very flourishing year and with a membership of over sixty it played an important part in the intellectual life of the college. Membership is not confined to students in the department. Its success this year is largely due to the energy displayed by Mr. B. G. Thomas, who made an altogether admirable secretary.

The department thanks Miss Megan Pryce Evans and Mr. Islwyn G. Davies, of the Theological College, for very valuable help in marking students' essays. Rev. Herbert Morgan kindly gave the Honours students one lecture in the philosophy of religion course, which was much appreciated. I should like to tender my personal thanks to many members of staff and Council for many kindnesses done to me in my first year, and in particular to the Principal and Vice-Principal. I have also to thank my predecessor, Emeritus Professor Jenkyn Jones, for much sound advice and guidance. My chief debt however is to Dr. Davies, who, from the first, has given the department most devoted service. He had done excellent work with the students and has produced some items of research during the session which augur well for his future work in philosophy. His well-deserved promotion to the grade of lecturer has given general satisfaction.

The work of the department has been very much hampered throughout the year by the limited number of teachers. We are, therefore, particularly glad to welcome a further assistant next year, Mr. E. S. Budden, M.A., of New College and Merton, Oxford. Mr. Budden, who is an old Aberystwyth student, comes to us with many honours. He took a First in Modern Greats and won the John Locke Scholarship and the Hildebrand Harmsworth Senior Scholarship at Merton. We feel sure his presence will considerably strengthen the department's teaching powers.

The session has been a successful one, and we look forward hopefully to continued success in the future.

**EDUCATION.**

PROFESSOR C. R. CHAPPLE.

*Training Department.*

<i>Degree Classes.</i>				<i>Men.</i>	<i>Women.</i>
First Year	....	....	....	26	19
Second Year	....	....	....	25	28
Third Year	....	....	....	46	33
				97	80

<i>Professional Training.</i>		<i>Men.</i>	<i>Women.</i>	<i>No. completed qualification</i>	
				<i>Men.</i>	<i>Women</i>
Students taking University Diploma	....	56	44	55	43
Students taking College Examination for the Board of Education Certificate :—					
In-College students	....	19	5	14	4
External students	...	3	—	2	—
		78	49	71	47

*Degree Classes.*

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary	16	4	12	10
Final	2	—	2	1
TOTALS	18	4	14	11

## ANALYSIS OF EMPLOYMENT RETURNS OF STUDENTS WHO LEFT THE DEPARTMENT IN THE YEAR 1932.

Posts were obtained in :—

(a) Technical Schools	....	....	....	2
(b) Secondary Schools	....	....	....	14
(c) Central Schools	....	....	....	12
(d) Elementary Schools	....	....	....	36
				64
Holders of Research studentships	....	....	....	5
Returned to College for further study	....	....	....	4
Unemployed	....	....	....	10
				83

## LOCALITIES IN WHICH THE STUDENTS OBTAINED POSTS :—

Wales and Monmouthshire	....	....	....	....	....	29
<i>Outside Wales.</i>						
London and District	....	....	....	....	....	22
Yorkshire	....	....	....	....	....	1
The Midlands	....	....	....	....	....	3
Lancashire	....	....	....	....	....	2
Other English Counties	....	....	....	....	....	6
					—	34
France	....	....	....	....	....	1
					—	64

In accordance with Circular 1420 the numbers of all University Training Departments were reduced by six per cent. for the Session 1933-1934. This means that the entry for next Session will be curtailed by twenty-four per cent. It is doubtless the right and the duty of the Board of Education to see that demand and supply of teachers have some reasonable correspondence, but there is a huge army of unqualified teachers in our schools. Not many years ago the argument was that this mass of unqualified teachers was necessary because amongst other reasons the Training Colleges could not provide the necessary numbers to take their places. Scotland can afford to insist that every man teacher shall have a four years course of training and every woman three years.

The restriction of our number of one year recognised students to eleven grant-earning and four fee-paying students prevents us from accepting more than fifteen students who have obtained degrees outside the Training Department. Other students may obtain the University Diploma in Teaching but this diploma will not be recognised for elementary school work in such cases.

Mr. Pinsent is under contract to publish a book on the Principles of Method. Further research in progress or projected includes :—

*Studies in Examinations.*

- (a) The value of the entrance test in Arithmetic and Language as a means of predicting future success in Secondary Schools.
- (b) The relation between performances in a University Entrance Scholarship Test and subsequent academic progress.
- (c) Effect of subjects studied at the Higher Certificate Stage upon performances in mental tests.
- (d) Relative performances of pupils from boys', girls', and mixed schools in examinations and mental tests.

*Studies in Bilingualism.*

- (a) Relative performances of mono-glot and bilingual students in mental tests, and in examinations in subject matter at the secondary school and university stages.
- (b) Effects of the teaching in different schools upon progress of bilingual pupils.

During the Session Dr. Gwenan Jones has lectured on Scripture teaching at Harlech Sunday Schools Summer School and at Caernarfon, Corwen, Swansea and London.

At the invitation of the Welsh National Council of the League of Nations Union, Dr. G. H. Green delivered the annual League lecture to the N.U.T. Conference at Easter.

The work of Mr. Ifan ab Owen Edwards in connection with the Urdd Gobaith Cymru is well known. Last August he conducted camps for 500 boys and girls. In May the Urdd National Eisteddfod was held at Caerphilly when 10,000 children were present. This was the culmination of the Urdd cultural activities during the year. The physical side had its parallel at Swansea in June at the Urdd National Games—the largest exhibition of mass folk dancing and gymnastics by children in these islands.

In addition Mr. Edwards edits the Youth Magazines *Cymru'r Plant* and *Y Capten*.

School practice is one of our most serious difficulties in view of our geographical situation and we depend on the cordial help of Education Authorities and teachers. For this Session's work our sincere gratitude for help and counsel is due to the head teachers and staff of the following :

*Secondary Schools.*

Bala Boys.  
 Bala Girls.  
 Dr. Williams' School, Dolgellau.  
 Barmouth.  
 Towyn.  
 Newtown Boys.  
 Newtown Girls.  
 Welshpool Boys.  
 Welshpool Girls.  
 Aberystwyth.  
 Carmarthen Grammar.  
 Carmarthen Girls.  
 Llanelli Boys.  
 Llanelli Girls.  
 Llandilo.  
 Tregaron.  
 Llanidloes.  
 St. David's College School, Lampeter.  
 Ammanford.  
 Gwendraeth Valley Secondary.

*Central and Elementary Schools.*

Ammanford Central.  
 Stebonheath Boys' Central  
 Stebonheath Girls' Central  
 Park Street  
 Old Road Boys  
 Old Road Girls  
 Bigyn  
 Lakefield Boys.  
 Lakefield Girls  
 Copperworks Boys  
 Copperworks Girls  
 Market Street Girls  
 Coleshill Boys Central  
 Coleshill Girls Central  
 Aberystwyth National.  
 Aberystwyth Council Boys.  
 Aberystwyth Council Girls.

Llanelli.



Aberystwyth Council Infants.  
 Penparcau National.  
 Rhydypennau Council.  
 Talybont Council.  
 Machynlleth Council.  
 Machynlleth C. of E.  
 Goginan Council.  
 Penllwyn Council.  
 Llanilar Council.  
 Borth National.  
 Towyn Council.  
 Llanbadarn National.

### ART AND CRAFTS.

MR. DAN R. JONES.

The number of students during the past Session was 106. The distribution amongst the various grades is indicated below :—

Attending from the Training Department	....	....	99
Art and Crafts, Full Time	....	....	7

#### *Diplomas Awarded.*

Diploma in Craft	Jean Davies	1st Class.
	Muriel Lloyd	2nd Class.
Diploma in Art	Eirlys Enos	2nd Class.
	Arthur R. Sansbury	2nd Class.

Examination of the Society of Art Masters for the School Drawing Certificate for Teachers in Elementary Schools :—

<i>Subject.</i>	<i>No. Entered.</i>	<i>No. Passed</i>
Plant Drawing	13	6
Plant Drawing in Colours	13	10
Painting Still Life	13	6
Memory Drawing	13	10
Design	13	10
Illustration	13	4
Theory of Teaching	13	12

The following completed the full Certificate :—

Britton, Francis Ronald (with 3 second classes, 3 firsts and 1 honour).  
 Clee, Elizabeth Rachel (with 7 second classes).  
 Jones, John Haydn (with 4 second classes and 1 first).  
 Sansbury, Arthur Richard (with 4 second classes and 2 firsts).

The loan collection from the Victoria and Albert Museum has been a great boon to the Department. It included specimens of embroidery, woven fabrics, textiles, design and illustrations.

It is gratifying to record that the University has decided to recognise courses in Art and Crafts for the Degree of B.A. This is a very important development in connection with the teaching of Art in Wales.

For the time being the work is to be limited to the Intermediate and Subsidiary stages; later on it may be possible to develop the work so as to include the Final Stage. The accommodation in the Art Department is to be extended by placing an extra floor above the present woodwork room, and the staff is to be increased by a teacher in Design. The Court

has for some time been anxious to see more attention being paid to the teaching of Art and we are hopeful that these new arrangements will lead to important developments in this direction.

## MUSIC.

PROFESSOR DAVID DE LLOYD.

Number of students pursuing courses in the Department :—

Inter. B.A. music eight (one withdrawn during the course of the session). Subsidiary B.A. music ten, Final two. Faculty of Music : Subsidiary B.Mus. one, Final B.Mus. one. Students in Training : ordinary course seventeen : advanced seven. Students pursuing Solo subjects : twenty-five.

Among the degree students pursuing Music in the Faculty of Arts there were several who showed considerable promise, three in the Subsidiary Stage and one in the Final. The latter, Graham Thomas, who was commended by the External Examiner, intends proceeding to *Honours* next session. Mr. Thomas was awarded the Bryan Scholarship as the result of an open examination held last Easter and at the end of the present session he received a College Travelling Grant which will enable him to visit Germany to study its music and its language during a part of the summer vacation.

The three students in the Subsidiary Grade—Muriel Haworth, Inigo Jones, Winston John—submitted good papers at the recent Sessional examinations. Apart from their academic work, they showed marked ability in the writing of short pieces for voices and for piano. It is interesting to note that these three candidates had previously obtained the C.W.B. Higher Certificate (or its equivalent) in music, evidence of the pursuance of a preparatory course which is too often lacking in the case of many candidates who present themselves for the College examinations in music.

The College Music Club continues its successful career. Increased membership, especially in the case of students, is a token of sustained interest, while the readiness of visiting artistes to repeat their visits is proof of their appreciation of the attentive listening they obtain at these concerts.

The revival of the College Musical Festival was discussed at a recent Music Club committee, but the prospects were not encouraging and the committee was reluctantly obliged to defer consideration of the matter until next session.

This session, as a substitute for the Festival, a special concert was given in the third term when the Choral Society gave a performance of Elgar's "King Olaf," an augmented orchestra being engaged for the occasion. Again the venture, modest as its scale was, proved a financial failure, although musically, the achievement was distinctly creditable to the Choral Society which numerically reflects little credit upon the College.

The College Orchestra consisted of an enthusiastic body of players who contributed welcome items to the Club concerts during the session. The assistance given by them, also, on the occasion of the production of J. O. Francis' play "*Hywel of Gwent*" at the end of the first term was much appreciated. Our instrumentalists, again, formed a goodly proportion of the augmented orchestra which accompanied the performance of *Elijah* and *Hansel and Gretel* during the week when the National Union of Teachers held their conference here at Easter time.

In reviewing the work of the session, I am prompted once more to observe that the facilities offered by the Department for the study of *solo* subjects, particularly instrumental, are not taken full advantage of, even by those students who are allowed special concessions in the matter of fees. The growing importance of orchestras in schools, emphasises the desirability of acquiring some degree of facility in playing a stringed instrument : under the tuition of our staff instrumentalists, a progressive course of study extending over the period of the student's residence would provide a student with a technique more than adequate for school purposes.

As in past years, I wish to express my gratitude to my colleagues for their valuable assistance during the session, assistance rendered under sad circumstances in the case of Mr. Arthur Williams who, in the second term of the Session, suffered a grievous loss in the death of his wife. Mrs. Arthur Williams was one of the original members of the College Trio and also teacher of Pianoforte in the Department of Music. Though she resigned her post seven years ago, after having served the College and the University Council of Music with unselfish devotion and unflinching loyalty for a like period, her achievements as a pianiste will live long in the memory of those who enjoyed the privilege of hearing her at the Club concerts and the College Orchestral Festivals.

## LAW.

PROFESSOR T. A. LEVI.

The Session 1932-1933 opened with an intimation from the Lord Chancellor's Committee on Legal Education that we were required to submit evidence in full of the present state of Legal Education in Wales, to be placed before the Legal Education Committee in January at the House of Lords. I prepared a full statement accordingly, tracing the progress of Legal Education in Wales from the opening of the Faculty of Law at Aberystwyth in 1901 to the present day. This statement was placed before a Committee presided over by the Hon. G. C. Bruce, Deputy-Chancellor, and approved by them. A Sub-Committee was appointed to receive and consider further supplementary statements as to the work at Aberystwyth, North Wales (for Bangor), Cardiff and Swansea. This Sub-Committee was presided over by His Honour Judge Ivor Bowen, and arranged all the statements to be submitted to the Lord Chancellor's Committee. The Legal Education Committee, presided over by Lord Atkin, intimated they only wished to hear one witness from Wales. The Committee appointed the Professor of English Law to give that evidence. I attended therefore at the House of Lords on January 11th, 1933 and was orally examined on the printed statement already supplied by us, and on our views with reference to the proposed reform of Legal Education. The main proposal made by us, and which appeared to commend itself to the Committee, was that normally a degree in Law at a University of approved standing should be required of all persons intending to practise at the Bar or to be admitted as Solicitors, but that it should not be made compulsory so as to exclude deserving cases. Reference was made in the oral evidence given to the statements submitted by Bangor, Cardiff and Swansea as well as Aberystwyth, and the special points in connection with the teaching of articled clerks which were specifically raised by them were mentioned wherever they were relevant to the terms of reference. The printed statement placed before Lord Atkin's Committee was subsequently confirmed by the Academic Board and distributed among members of the University Council. The evidence submitted orally to the Lord Chancellor's Committee will be published in due course. The fact that Wales had been engaged for twenty years in pioneer work in teaching

professional students in Law before the enactment of the Solicitors Act, 1922 (now the Solicitors Act, 1932) was considered to give additional weight to the evidence submitted by us, and especially the fact that the University College of Wales, Aberystwyth, had, during many years, originated the work now going on at Cardiff, Swansea and in North Wales.

*Successes of Students during 1932—1933.*

We are very pleased to be able to report that at the Preliminary Examination for the degree of LL.M. of the University of London, our Assistant lecturer in Law, Mr. Vyrnwy J. Lewis, LL.B., was the only candidate who satisfied the Examiners.

Mr. T. Ellis Lewis LL.B., Ph.D., a former student and lecturer, had been elected to a Fellowship at Trinity Hall, Cambridge.

It is also gratifying to state that three Aberystwyth Law students took the highest possible place at the Cambridge Law Tripos Parts I and II. Mr. Kenneth Jones LL.B., was placed in the First Division of First Class Honours in Part I: and Mr. Glanville Williams, LL.B., and Mr. Emrys Roberts, LL.B., between them formed the whole of Division I of First Class Honours in Part II, thus heading the list. Mr. Glanville Williams also gained the George Long Prize and the Wright Prize, while Mr. Kenneth Jones gained a valuable Scholarship. Mr. T. Mervyn Jones was placed in Division I of Class II at the Cambridge LL.B. Examination. Mr. Emlyn Hugh Evans, LL.B., and Mr. William Glyn Morgan, LL.B. were placed in Second Class Honours in Part I of the Law Tripos. Mr. Glanville Williams has also been elected to a valuable law Scholarship at the Middle Temple. At the moment of writing the Oxford results had not been published.

Among our present students, Mr. Frederick William Taylor, Solicitor, of Merthyr, was placed in First Class Honours and was recommended for the Samuel Evans Prize. Mr. Iwan Elis Jones, of Porthcawl, was also placed in First Class Honours. Mr. Eric Bowen, of Cardigan, was placed in the First Division of Second Class Honours, and Mr. Edward Jones of Portmadoc also gained Second Class Honours. All these students are proceeding to Cambridge University in the coming session.

There has been a record number of students during the session, and from the entries for the coming session it appears we may expect from 50 to 60 students every session to take the full LL.B. degree. The full statistical list for the session is appended below. The work of Miss Myfanwy Batterbee, Mr. Ewan Wallis Jones, Mr. Winston Guthrie Jones, Mr. Clement Owen Jones and Mr. Alun Davies deserves special mention. The work of M. Hazra, an Indian student, who passed the Final Bar Examination during this session should also be creditably mentioned.

I cannot omit to place on record my special gratitude this session to the invaluable help rendered to me in connection with the evidence submitted to Lord Atkin's Committee by Mr. Victor Evans, Mr. R. A. Wing and Mr. Vyrnwy Lewis. Special recognition was made by the North Wales Law Committee at Bangor in June of the valuable services of Mr. Victor Evans and Mr. Wing at Colwyn Bay this session. The reports of the Central Wales Law School and the North Wales Law School are appended. In this work we all of us had some share.

STATISTICAL RECORD OF THE FACULTY OF LAW  
DURING SESSION 1932-1933.

The total number of students of law under our tuition in 1932-1933 was 79. Of these 66 were at Aberystwyth, and 13 at Colwyn Bay in the

North Wales Law School. They included 41 professional students, that is students intending to practise at the Bar or as Solicitors, and 23 non-professional students, that is studying Law merely as a general subject of education; of the professional students, two were actual Solicitors five were Articled Clerks, 28 were intending Articled Clerks, and four were Bar Students, while two had not elected between the Bar and the Solicitor's branch. The degree students were classified as follows :

For the LL.M. degree	....	....	....	....	1
For the LL.B. degree	....	....	....	....	46
For the B.A. degree in Law	....	....	....	....	14

In addition there were five Articled Clerks studying at the Central Wales Law School at Aberystwyth. The total number of Law students were, therefore, during this Session the highest on record, the nearest being 78 during Session 1930-1931.

We wish to express our gratitude to Professor F. Raleigh Batt and Professor J. D. Ivor Hughes, as well as to the several Law Publishers, for presentation of books to the Law Library.

### **CENTRAL WALES LAW SCHOOL.**

MR. J. VICTOR EVANS.  
MR. R. AMOS WING.

We beg to submit the following report of the work of the Central Wales Law School during the previous session.

The Classes were held during each of the three terms of the year in the University College of Wales, Aberystwyth. There were five students enrolled as members of the two classes—two as Final students and three as Intermediate students. We are pleased to record this increase in the size of the School, especially as, as will be seen elsewhere, there was no diminution in the number of articled clerks and prospective articled clerks attending the College as full-time LL.B. students.

The work of the Final Class covered the Law of Evidence and Procedure, Partnership and Company Law, Private International Law and Equity and Conveyancing, while courses of lectures based on Stephen's Commentaries were delivered to the Intermediate Class. The teaching work was divided equally among Mr. V. J. Lewis and the two Special Lecturers. The Lecturers also wish to report that the conduct and attendance of the students were highly satisfactory, that the interest shewn in the work by them was most encouraging and stimulating and that the progress made by the students during the year, particularly as revealed in the discussion groups held in connection with the lectures, was excellent.

### **NORTH WALES LAW SCHOOL.**

MR. J. VICTOR EVANS.  
MR. R. AMOS WING.

We beg to submit the following report of the work of the North Wales Law School for the Session 1932-1933.

The classes were held, during each of the three terms of the year, at Colwyn Bay. Fourteen students registered for the courses, there being eight students in the Final Class and six in the Intermediate. The lectures in the first and third terms were delivered by your lecturers, whilst those in the second term were conducted by Mr. V. J. Lewis, LL.B., of the

University College of Wales, Aberystwyth. During this term a special visit was paid to the Classes by Professor T. A. Levi, prior to his giving evidence before the Lord Chancellor's Committee on Legal Education. The lectures in the Final Class were devoted to English Common Law, Real and Personal Property, Evidence and Procedure, whilst in the Intermediate Class, the work was directed to an exposition of Volumes 2 and 3 of Stephen's Commentaries.

Your lecturers beg to call attention, once again, to the high standard of the work of both classes, as revealed both in the discussion groups held in connection with the lectures and in the terminal test papers submitted to the lecturers. In particular, we are pleased to record that the Final Class during the last Session was one of the keenest, most intelligent and most courteous classes of which either of your lecturers has experience in any law school in which he has taught.

In conclusion, we would desire to express our sincere thanks to all those who have again this year assisted us in the conduct of the classes. In particular, we have been helped in countless ways by Major W. P. Wheldon and in recording this our debt of gratitude to him for all that he has so liberally done for the well-being of the North Wales Law School, we would add our sincerest best wishes for his success and happiness in his new appointment.

### PURE MATHEMATICS.

MR. V. C. MORTON.

The number of students taking courses in the Department during the Session 1932-3 was 83. Their distribution is shewn in the following table.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	23	2	21	12
Subsidiary	23	1	22	16
Final	17	—	27	* 4 ) 19
Hons. 1st Yr.	8	—	(2 external)	
Hons. 2nd Yr.	9	1	8	8
Research	3 for M.Sc.	—	2	2
<b>TOTALS</b>	<b>83</b>	<b>4</b>	<b>80</b>	<b>61</b>

\* 4 granted Intermediate.

The work done was satisfactory, especially that of the Subsidiary and Second Year Honours classes, in both of which there were several excellent students.

The following deserve special mention :—Intermediate, Mr. A. D. Edwards; Subsidiary, Messrs. E. T. J. Davies, J. G. Forbister, J. A. Jones and H. Thomas; Final and First Year Honours, Messrs. N. F.

Jenkins and D. G. Pryce ; Second Year Honours, Messrs. J. V. Harries and B. R. Jones and Miss M. E. Jones.

One student took Honours in Mathematics and seven in Pure Mathematics. Three obtained First Class, two Second Class, First Division, two Second Class, Second Division and one Third Class. I regret to state that one of the Second Year Honours students, Mr. E. Morgan, died during the course of the year.

Three postgraduate students have been carrying out research in the Department. Miss D. S. Meyler was awarded the M.Sc. Degree in January last for a thesis on "Modern work in the theory of the cubic surface." This thesis was considered by the Examiners to be of a very high standard indeed. I have great pleasure in being able to report that Miss Meyler has recovered from the prolonged illness which interrupted her research work and that she has recently been awarded a Fellowship of the University of Wales. She will thus have further opportunity of developing her exceptional mathematical ability.

Mr. D. T. Davies was awarded the M.Sc. Degree in June for a thesis on "Some Algebraic Methods in the poristic theory of a rational normal curve." This thesis too was considered to be of high standard.

Mr. D. E. Morgan has been working with Mr. W. G. L. Sutton on application of operational methods to differential equations. Mr. Morgan hopes to continue this work next year.

I cannot let slip this opportunity, the last that I shall have before the retirement of Vice-Principal G. A. Schott from the headship of the department of Applied Mathematics, of recording my deep gratitude and thanks to him for his unfailing help, wise advice and kindness since my appointment on the staff of the College.

I have pleasure in acknowledging with gratitude the willing and efficient co-operation of my colleagues Mr. W. G. L. Sutton, Dr. D. R. Williams and Mr. T. Lewis, in the work of the department.

### APPLIED MATHEMATICS

PROFESSOR G. A. SCHOTT.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	5	2	3	3
Subsidiary	18	1	17	15
Final	6	—	12	9
Hons. 1st Yr.	5	1		
Hons. 2nd Yr.	2	—	2	2
Research	2	—	—	—
<b>TOTALS</b>	<b>38</b>	<b>4</b>	<b>34</b>	<b>29</b>

The work this session has been uneventful; the number of students in the department was 38, a little below the average. The Intermediate class was small, but the work of A. D. Edwards deserves mention. The Subsidiary class also was a little smaller than usual, but on the whole of higher quality. About one-half of the class may prove to be good enough to proceed to Honours, and of these I. G. Forbister and J. A. Jones deserve special commendation. The Final and First Year Honours class was larger than usual, and some excellent work was done, particularly by N. F. Jenkins, D. G. Pryce and Mary Blackledge. One student took Second Year Honours in the Combined Course with Pure Mathematics, obtaining a First Class, his Applied Papers being fully up to the standard. Another took Second Year Honours in Applied only, being placed in the Second Division, of the Second Class. Two students did research: C. E. Easthope, with a University Studentship, worked under my own direction on the Electromagnetic Fields and Radiation due to Schrödinger distributions and obtained some valuable new results, although the investigation has proved to be really difficult. J. F. Ractcliffe worked under the direction of Mr. T. Lewis at the General Theory of Relativity and has produced work of real value.

In conclusion I desire to thank Mr. W. G. L. Sutton for his valuable assistance with the First Year Honours class and Mr. T. Lewis for his help in the general work of the department and particularly in the direction of research work

### PHYSICS.

PROFESSOR GWILYM OWEN.

The number of students showed a slight decrease compared with last session. Their distribution amongst the various grades is indicated in the following table.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Acoustics	1	—	1	1
Intermediate	25	2	23	10
Subsidiary	24	3	21	18
Final	10	—	11	7
Hons. 1st Yr.				
Hons. 2nd Yr.				
Research	6	—	6	6
	2	—	—	—
TOTALS	68	5	62	42

Up to the final stage the work and progress of the students was of average quality. The Honours class, however, stands out, for out of six candidates, three were placed in the First Class and it should be recorded that two of these first classes were of an exceptionally high order of merit.

The work of the following students is deserving of special mention:—  
Intermediate: G. Bowen. Subsidiary: E. T. J. Davies. Final: H. Ll. Davies. Honours: M. T. Chapple, I. H. Thomas, W. J. Thomas.



*Research.* The research work in the department is making good progress. We have two post-graduate students hard at work. Mr. E. G. James, B.Sc. (Sir Garrod Thomas Fellow) is continuing his investigations on the elastic properties of materials and Mr. D. S. G. Lewis, B.Sc., has made a good start (under the direction of Mr. I. C. Jones) on the photographic action of electrons. Dr. Emlyn Stephens has built a spectrometer for his investigations of absorption spectra of liquids. Mr. R. M. Davies in addition to superintending the work of Mr. E. G. James, has now everything ready for his research on the dielectric constants of organic liquids. Mr. Benjamin Davies, F.Inst.P., is continuing his work on the detection of added water in milk, and he is also engaged in the laboratory on an electrical problem which, if successful, will very materially assist the Aberystwyth Infirmary in their X-ray work.

*Extra-mural work.* Under the auspices of the extra-mural department an "Extension Course" in Electricity was conducted in the laboratory by my colleague Mr. R. M. Davies, M.Sc. This Class has the distinction of being the pioneer class in Physical Science as far as the extra-mural activities of this College are concerned. The number of registered students was 25. A class of this kind cannot be conducted without a considerable amount of apparatus for the lectures and demonstrations, and I was very glad to have the privilege of arranging for the class to hold its meetings in our laboratory. Mr. Davies' skill as a teacher, together with his energy and enthusiasm resulted in a highly successful session, and it is proposed to continue this excellent work next year.

During the session I delivered public lectures on scientific topics at University College, Cardiff, Caersws, Denbigh, Dolgelly Grammar School, Aberystwyth and other places.

*Visiting Lecturers.* In February, Professor L. R. Wilberforce of Liverpool University delivered to the Physics Club a most interesting lecture on "Liquid Air." In March, the staff and students greatly enjoyed the series of lectures delivered at the College by Professor E. A. Milne of Oxford on "World Structure and the expansion of the Universe."

*Publications.* Mr. R. M. Davies has two papers in print but they have not actually appeared at the moment of writing this report. These papers are (a) The Rochelle-Salt piezo-electric resonator (*Phil. Mag.*) (b) a simple frequency-bridge. (*Journal of Scientific Instruments*).

Two members of this year's Honours class have been successful in obtaining scholarships to enable them to proceed to postgraduate work, Mr. M. T. Chapple having been awarded a University Studentship and Mr. I. Hefin Thomas a grant from the Department of Scientific and Industrial Research.

In conclusion I wish to record once again my appreciation of the service rendered to the department by my colleagues, Mr. R. M. Davies, Mr. I. C. Jones and Dr. Emlyn Stephens, and I am grateful to them for their loyal help and co-operation. Mr. L. E. Sulston (Technical Assistant) has by his skill and energy added greatly to the equipment and resources of the department. His services are invaluable.

## CHEMISTRY.

PROFESSOR T. CAMPBELL JAMES.

The number of students working in the Department was 68, their distribution being given in the table below.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediâte	27	2	24	17
Subsidiary	17	2	15	12
Final and Hons. 1st Yr.	11	1	10	6
Hons. 2nd Yr.	7	—	7	7
Research, Full Time	5	—	—	—
„ Part Time	1	—	—	—
<b>TOTALS</b>	<b>68</b>	<b>5</b>	<b>56</b>	<b>42</b>

*Staff.* To the great regret of his colleagues and pupils, Dr. D. Matthew Williams left the Department in December, 1932, to take up an appointment as H.M. Inspector of Schools. While rejoicing in his advancement to a post where his many-sided abilities will find fuller scope, the members of this Department greatly miss a keen and enthusiastic colleague and an inspiring teacher.

Dr. D. Gwynne Davies was re-appointed for a second year as part-time assistant in the Department and Dr. D. T. Lewis was appointed in January, 1933, to a similar post until the end of the session. Both these gentlemen have carried out their duties in a thoroughly satisfactory manner and have proved to be capable lecturers and efficient laboratory teachers.

*Intermediate Class.* This class, as usual, contained many beginners at the subject who attempted the difficult task of attaining the required standard in one year. That so many were successful in the effort is due to the painstaking care of Mr. Hudleston who with the assistance of Messrs. Davies and Lewis conducted the classes. Work of superior merit was carried out in the class by Messrs. G. Bowen, J. R. Evans and E. Pryce.

*Subsidiary Class.* This class was of good average ability and an improvement on that of the previous year. Dr. Williams conducted the Organic course and Mr. Bury the Physical Chemistry course while the practical work was supervised by Messrs. Bury and Hudleston. Messrs. Franklin, I. T. Davies, J. B. Bowen and R. P. Davies did very good work throughout the session.

*Final Class.* This was a small class containing a few students of good promise, but several of mediocre ability. The organic work was conducted by the Professor, while Mr. Bury dealt with Physical Chemistry and Mr. Hudleston with Inorganic Chemistry. The practical work was supervised mainly by Dr. Davies. Messrs. H. L. Davies, M. D. Owen, S. Williams and Miss Megan Williams did consistently good work.

*Honours Class.* Though fewer in numbers than that of the previous year, this class was of a similar high standard of ability and worked throughout the session with remarkable keenness and enthusiasm. All members of the staff took a part in their guidance while Mr. David Evans continued his favour to this Department by conducting regular classes in German.

The University results were as follows :—

First Class Honours Mansel M. Davies and T. Tyssul Jones.

Second Class Honours Div. 1.

R. A. M. Bound, W. F. Jones and R. D. J. Owen.

Second Class Honours Div. 2.

Miss M. E. H. Edwards and Alan Williams.

*Higher Degrees.* Mr. D. T. Lewis B.Sc., (Garrod Thomas Fellow) presented his work entitled "The influence of the solvent on the mechanism of reactions in liquid media" for the Ph.D. degree in December, 1932, and was granted the degree. (Director of the research, Mr. L. J. Hudleston).

Mr. E. R. H. Davies, B.Sc., (Garrod Thomas Fellow) presented his work entitled "An Investigation of Magnesian Cements" for the Ph.D. degree in June, 1933, and was granted the degree. (Director of the research, Mr. C. R. Bury).

Mr. H. V. W. Robinson, B.Sc., presented his work entitled "Studies in the Ethylenic Acid series" in December, 1932, and was granted the M.Sc. degree. (Director of the research, Professor James).

Miss Olwen Davies, B.Sc., presented her work entitled "Chloro-hydroxy-anthraquinone derivatives, their conversion into chloro-amino-hydroxy-anthraquinones and into indanthrone derivatives" in June, 1933 and was granted the M.Sc. degree. (Director of the research, Professor James).

Mr. R. H. Morgan, B.Sc., presented a series of papers dealing with the analysis and manufacture of confectionery in December, 1932, and was granted the M.Sc. degree. (External).

Mr. G. S. Walters, B.Sc., presented work carried out at University College, Swansea, in June, 1933, and was granted the M.Sc. degree.

Mr. John Stanley Lewis, M.Sc., presented a series of papers dealing with the combustion of hydrocarbons, etc., and was granted the D.Sc. degree.

*Further Research Work proceeding in the Department.*

In addition to the work recorded above, presented for higher degrees, Messrs. S. C. Townshend, B.Sc., and Raymond Redd, B.Sc. (Thomas Davies Scholar) have carried out research work of high quality. A series of research papers (titles recorded elsewhere) have been published by Messrs. C. R. Bury, D. Matthew Williams and D. Gwynne Davies.

The work on river pollution, previously recorded, has been continued and a report on the present condition of the River Rheidol published in conjunction with the Departments of Botany and Zoology.

*Appointment.* Mr. E. R. H. Davies was, at the conclusion of his Ph.D. course, appointed as research chemist under Imperial Chemical Industries, Ltd., at their Billingham works.

During the session, the Department welcomed Dr. R. E. Slade of Imperial Chemical Industries, Limited, who gave a very interesting lecture to the Scientific Society on the synthesis of Ammonia.

The above record of a highly successful session has been rendered possible by the able and enthusiastic co-operation of my colleagues Messrs. C. R. Bury, L. J. Hudleston and D. Matthew Williams in the teaching and research work of the Department.

## GEOLOGY.

PROFESSOR HERBERT P. LEWIS.

The number of students working in the Department during the session was seventy-eight and shows a slight decrease compared with last year. Their distribution is given in the following table :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma	8	—	8	8
Intermediate	52	5	47	38
Subsidiary	12	—	12	11 (plus 1 allowed Intermediate)
Final	6	—	6	6
Hons. 1st Yr.				
Hons. 2nd Yr.	—	—	—	—
<b>TOTALS</b>	<b>78</b>	<b>5</b>	<b>73</b>	<b>64</b>

*Agricultural Diploma Course.* The work of this class was above the average. All the students passed the examination. Mr. C. G. McRitchie is worthy of special mention.

*Intermediate Course.* The size of this class was approximately the same as in the previous session. The work as a whole was well done and that of Messrs. R. G. Williams, D. T. H. Price, Miss O. Leeding, Messrs. E. D. Roderick, R. W. L. Walden and O. Beynon shows much promise.

*Subsidiary Course.* This class was composed of students from the Faculties of Arts and Science in equal numbers. The quality of the work was higher than it was last year. Mr. W. A. Weale deserves special mention. Twenty-three students of Final Grade in Geography attended my course in Geomorphology at this stage in the Michaelmas Term.

*Final Course.* Moderately good work was done by this small class as a whole. No one failed in the Degree Examination. Mr. A. W. Woodland is worthy of special mention.

Field-excursions were organised throughout the session. A field-class, composed of students at the Final and Subsidiary stages, devoted

a week during the Easter Vacation to the study of the geology of the Llandilo-Llanarthney and Llandrindod-Builth districts.

Particulars of the work published by members of the Department this session are included elsewhere.

The Department is again much indebted to J. B. Willans, Esq., J.P., for his annual gift to the library.

In conclusion, I should like to express my gratitude to my colleagues, Mr. J. Challinor and Mr. J. I. Platt, for their loyal co-operation and unflinching enthusiasm in carrying out the work of the Department.

## ZOOLOGY.

PROFESSOR R. DOUGLAS LAURIE.

The number of students working in the Department during the session was 72, distributed as follows :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma	8	—	8	8
Intermediate	25	4	20	18
Subsidiary	17	—	17	16
Subsid. Agric. Zool.	1	—	1	1
Final 2nd Yr. and Hons. 1st Yr.	18	—	18	13
Hons. 2nd Yr.	3	—	3	3
<b>TOTALS</b>	<b>72</b>	<b>4</b>	<b>67</b>	<b>59</b>

*Agricultural Diploma Course.* This class was conducted by Dr. Gwendolen Rees. The work was satisfactory; Mr. John Lewis is worthy of special mention.

*Intermediate Course.* The class worked satisfactorily. Mr. J. Russell Evans and Mr. J. T. Jones are worthy of special mention, and good work was also done by Miss H. F. E. Davies, Mr. P. W. Jones and Mr. G. P. Wibberley.

*Subsidiary Course.* The following are worthy of special mention :—Miss Maria Evans, Mr. L. J. McHardy, Mr. T. Walker and Mr. Theodore White.

*Subsidiary Course in Agricultural Zoology.* Mr. A. Whiteside, the only student, passed the examination.

*Final Course.* The quality of the work of the students in this class varied greatly; on the one hand, 5 students failed in the examination, but on the other hand, Mr. David Price Jones, Mr. Thomas Idwal Davies, Mr. W. J. Rees, Miss Eleanor M. Evans and Miss Sylvia R. Williams all deserve mention.

*Honours Course.* Mr. J. R. W. Jenkins supervised the Entomological portion of the work, Dr. Gwendolen Rees the Helminthology, Dr. E. Watkin the Hydro-biology, and myself the Genetics. All three candidates worked satisfactorily. Mr. David Charles Lloyd and Miss M. Dorothy Jones obtained a First Class and Mr. Harold M. Johns was placed in the Second Division of the Second Class.

*Research.* I have done some further work in connection with Prof. James and Prof. Newton on Lead Pollution in the River Rheidol. The survey made by Dr. J. R. E. Jones and myself, referred to in last report, has now been published by the Ministry of Agriculture and Fisheries. One of this session's Honours students, Mr. D. C. Lloyd, has prepared a thesis on a special problem related to pollution by zinc.

Dr. Emrys Watkin has this year rounded off for publication 2 papers summarising the result of the herring investigation which he has been carrying on for a series of years. These papers have appeared in *Rapports et Proces-Verbaux des Reunions du Conseil Permanent International pour L'Exploration de la Mer*.

Dr. Gwendolen Rees has published two papers containing the results of research upon parasitic cestode worms, both in the Proceedings of the Zoological Society of London.

Dr. Margot Metcalfe has been working, during the session, at the Johns Hopkins University, U.S.A., under a Commonwealth Fellowship, and has published six papers during the year, embodying researches carried out during the tenure of her University of Wales Fellowship.

Mr. Evan Davies, B.Sc., was awarded in December the degree of M.Sc. of the University of Wales for researches on parasitic worms of animals. Part of the work has been already published; he has a further paper in the press at present.

Dr. J. R. E. Jones has been working during the session at Cambridge under the University of Wales Fellowship which he holds. He has been continuing his work on the effect of dissolved metallic salts on aquatic animals.

I gave again this year at the invitation of the Department of Education a short course of lectures and laboratory work on the biological foundations of Hygiene, to the fourth year students in training as teachers.

Dr. Watkin again conducted a course in Biology in connection with the Handwork Summer School held in Aberystwyth during the Long Vacation.

A party of staff and students of the Department will be going to Russia for three weeks during the Long Vacation to visit places of biological interest. Five students of the Department have been fortunate in obtaining Travelling Scholarships for this purpose.

*Appointments of Former Students.* Mr. Evan Davies, M.Sc., has been appointed Assistant Organiser in Agricultural Education for the County of Caernarvon and Lecturer in Agriculture at the Madryn Castle Farm Institute. Dr. D. O. Morgan has been appointed Lecturer in Helminthology at the University of Edinburgh and the Royal (Dick) Veterinary College. Mr. Dilwyn John, M.Sc., has just returned from a year's expedition of H.M. Research vessel "Discovery" to Antarctic seas, made for the purpose of studying the whaling industry from a scientific point of

view; he has had the responsibility of being in charge during this commission, which has been a very successful one.

Miss Blodwen Williams has continued to prove herself a very conscientious and capable Laboratory Steward.

In conclusion, I thank my colleagues, Dr. Emrys Watkin and Dr. Gwendolen Rees, for their helpful co-operation in the affairs of the Department generally, and Mr. J. R. W. Jenkins for his help as special Lecturer in Entomology.

*Publications by Students :—*

Miss Margot E. Metcalfe, B.Sc., Ph.D.

"On a Suggested Method for Determining the Number of Larval Instars in *Sitodrepa panicea*, L." *Annals of Applied Biology*. Vol. XIX. No. 3. pp. 413-419. 1 text-fig. August, 1932.

"Notes on the Structure and Development of the Reproductive Organs in *Philaenus spumarius* L." *Quarterly Journal of Microscopical Science*. Vol. 75. Part III. pp. 467-481. Pl. 27-28. November, 1932.

"*Dasyneura leguminicola* (Lint.) the Clover Seed Midge." *Annals of Applied Biology*. Vol. XX. No. 1. pp. 185-204. Pl. XV and 2 text-figs. February, 1933.

"The Morphology and Anatomy of the Larva of *Dasyneura Leguminicola* Lint. (Diptera)." *Proc. Zool. Soc. London*. 1933. Part I. pp. 119-130. Pl. I-VI. March 31st, 1933.

"Some Cecidomyiidae attacking the Seed of *Dactylis glomerata* L. and *Lolium perenne* L." *Annals of Applied Biology*. Vol. XX. No. 2. pp. 327-341, May, 1933.

"Notes on the Structure and Development of the Female Genital System in *Dasyneura leguminicola* Lint. (Cecidomyiidae-Diptera)." *Quarterly Journal of Microscopical Science*. Vol. 76. Part I. June, 1933.

## BOTANY.

PROFESSOR LILY NEWTON.

The number of students for the Session 1932-33 was 75 and their distribution has been as follows :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed
Intermediate	27	2	24	21
Subsidiary	19	—	19	17
Final	19	—	19	12
Hons. 1st Yr.		—	9	9
Hons. 2nd Yr.	9	—	9	9
Research	1	—	—	—
<b>TOTALS</b>	<b>75</b>	<b>2</b>	<b>71</b>	<b>59</b>

This session the new Laboratory and the Botany garden have both begun to be of considerable service. The use of the Laboratory avoids the division of the Intermediate class which was formerly inevitable,

as well as being of value to more advanced students. The garden now contains a variety of plants which are of use for class purposes and thanks to many friends, its species still increase in number. The substratum is not perhaps all that might be desired, but nevertheless a number of rare plants have responded to the gardener's "artful toil."

The number of students in the department is slightly less than last session but there is the likelihood of an increase next year. The Intermediate and Subsidiary classes have worked well but the work of the Final class has not been as good as usual. The honours results are very pleasing, particularly in view of the fact that two students also had First Class Honours in Botany with Agricultural Botany. In Pure Botany, two students were placed in the First Class, three in II.A. and two in II.B. At Easter there were two excursions for Honours students, some of them going to London and some to the University of Cork Research Station in the Free State. The Easter excursions are held in addition to field excursions near Aberystwyth in summer, and it is felt that the students derive great benefit from seeing other educational institutions and the flora of other districts.

*Research.* Mr. Chater has continued his Research work at Rye and Miss Hubbard has been doing cultural work on the fungi. I have prepared a small book on "Plant Distribution in the Aberystwyth district," for the use of students and have continued my work on the water pollution of the Rheidol, preparing the botanical section of the joint report which has been submitted to the Fisheries Board. Mrs. James has continued to work on the plants of the submerged forest at Borth and Mr. Ladd has worked with me on a problem concerning the use of seaweed spores as food for oyster larvae. This last piece of work was undertaken at the request of the Conway Fisheries Research Station.

*Staff.* Miss M. D. Hubbard, B.Sc., joined the staff in September and has done excellent work during the session. To her and all other members of the staff I am grateful for help and co-operation during the year and I should especially like to record my appreciation of the time Mr. Carter has given to the Library. Mr. David Evans has taken special classes in German for the Honours students which have proved exceedingly helpful.

*Acknowledgments.* It is once again my pleasant duty to express my appreciation of gifts for the Library from Mr. Willans and to thank Major Mathias for allowing the Honours students to visit his garden. It is difficult to express my gratitude to Dr. Salter for his unfailing and invaluable help in a variety of ways, not least of which is his weekly gift of flowering plants which are of the greatest help to us and which arrive with a regularity that defies both climate and season.

*Publication of former student.*

*Miss Rachel Harries.*

An investigation by cultural methods of some of the factors influencing the development of the gametophytes and the early stages of the sporophytes of *Laminaria digitata*, *L. saccharina* and *L. Cloustoni*.

Annals of Botany, October, 1932.

(incorporating data accumulated by the Late Professor W. Robinson).



**GEOGRAPHY AND ANTHROPOLOGY.**

PROFESSOR C. DARYLL FORDE.

The number of students in the Final and First Year Honours groups was slightly lower during the present session but the Subsidiary class rose to 57 while the Second Year Honours class of 25, of whom 24 took the Degree Examination, was the largest yet recorded and created special problems. The distributions and results for the past session may be summarised as follows:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary	57	2	55	45
Final	} 37	—	37	31
Hons. 1st Yr.				
Hons. 2nd Yr.				
<b>TOTALS</b>	119	3	116	99

The general standard of work in the Subsidiary class was high and particularly good work was done by Miss Leeding and Messrs. Reynon, Brewer, Walden and H. L. Williams. There were however a few unusually weak students in the class, some of whom appear to have made little effort to improve their position. Some students undertake too many courses in their first year in their anxiety to obtain the requisite number of courses for a degree in three years. The consequent pressure of work is too often given as an excuse for poor achievement and appears in some cases seriously to impede the development of sound habits of study.

The Final and First Year Honours Classes worked very well and the better students at the Final stage are reading more widely than hitherto. Of the 37 students who sat for the Final Examination, Misses L. E. Bowditch, R. F. Phillips and M. E. Jones, and Messrs. R. W. Bevan, G. Davies, W. J. Evans, G. F. Spiller, C. W. J. Trott and I. Walker all did particularly good work. These should make a very strong nucleus in the Second Year Honours Course of about 20 students during the coming session.

The Second Year Honours Class during the present session, although it was exceptionally large, reached a very high general level of attainment and nearly half its members were placed in Divisions I and II at the Honours Degree Examination. Miss M. A. Richards, Mr. C. G. Parry and Mr. A. D. Rees who were placed in the First Class did work of unusually good standard. The theses presented as part of the examination showed a marked improvement in quality and exposition, a result which well repaid the direction and advice given by the staff. The task of providing for and supervising the individual work of twenty-five advanced students was however a considerable strain on the teaching strength of the Department. A special effort was made to give every assistance to this very promising class but if these large Honours Classes are to continue subdivision of the Seminars and the formation of sub-groups taking special options, with a consequent need for additional staff, will be

urgently required. This is the first group of honours students which entered the Department since my appointment and whose progress I have been able to watch from the beginning. I have been much impressed by the extent to which their work and outlook on geographical and anthropological studies have matured during the course as a whole.

Mr. Noel Jerman, B.A., who holds the Keeling Research Scholarship has made excellent progress with his investigation of the relation of ridge-ways to archaeological distributions in Central Wales. This work should be completed at the end of the coming session and will be presented for the Magister degree. Mr. Jerman has also published the valuable results of his excavation of a Bronze Age timber circle at Caebetin Hill, Montgomeryshire. (Montgomeryshire Collections, 42, 176—182, 1932). The degree of M.A. was awarded this session to Mr. Elwyn Davies, B.A., M.Sc. (Vict.), a former student of the Department for his work on the relation of geographic conditions to the seasonal movements of sheep in Wales. Four other past students of the Department are actively engaged in the preparation of Magister dissertations and have received considerable assistance during the session.

The mapping laboratory which was equipped during last session has been used by students of all grades with very beneficial results.

The reorganisation of the Department Museum has been initiated and cases exhibiting Palaeolithic industries have been set out in a more educational manner. Unfortunately the most effective display of all the valuable material in the museum would require far more space than is at present at our disposal. We have to thank the Director of the National Museum, who has also given valuable assistance in other ways, for a loan collection of Clactonian implements.

The Council has during this session instituted the College Diploma in Anthropology of which details are published in the 1933-4 Prospectus. I am grateful for the ready adoption of this proposal which should add materially to the usefulness of the Department.

Visiting lecturers who came to the Department during the session included Dr. Cyril Fox, Director of the National Museum of Wales, and Mr. J. H. Driberg of the School of Anthropology at Cambridge.

Lectures to University and other Societies have been given by members of the Department during the past session at the following places, Bedford College, London; Swansea, Bangor, Carmarthen, Barmouth and Fairbourne, and papers will be read in Sections E (Anthropology) and H (Geography) at the Leicester meeting of the British Association. The work published by the members of the Department is listed elsewhere.

Mr. Bowen has conducted an extra-mural class at Aberdovey with conspicuous success during the past session and will give short courses of lectures at Coleg Harlech and at the Ramsgate Summer School arranged by the Kent Education committee.

In August I shall begin the first season's work on the excavation of Pen Dinas, the hill fort immediately south of Aberystwyth. This will be the first excavation of a hill fort in Cardiganshire and should yield valuable and much needed data on the cultural relations of the fort builders of the region with those of the better known sites in north and south Wales. This work has received the generous support of the University Board of Celtic Studies, the Cambrian Archaeological Society and numerous individual donors.

My cordial thanks are due to my colleagues, Messrs. W. E. Whitehouse E. G. Bowen and W. Fogg for their loyal and energetic co-operation throughout a strenuous session.

### GENERAL LIBRARY.

MR. ARTHUR AP GWYNN, LIBRARIAN.

The lack of shelving-space is a handicap which is being keenly felt, more especially, in the General Library, in the Classics, History, and English sections, and, in the Science Library, in the Physics section. It has been possible, up to the present, to preserve the former arrangement of these and other classes, each in a tolerably convenient and compact section, but the time is not far distant when some of them will overflow into neighbouring sections and become unmanageable to the staff and confusing to readers.

Without adding, therefore, to the number of departmental libraries (a proceeding which, if possible, should be avoided) and without structural alterations, everything which was likely to lessen the congestion on the shelves has been done—for example by transferring to the store-room such series of books and early periodicals as are not in everyday use, and by attempting to dispose of duplicates.

The heating of the Library has in the past been very unsatisfactory. This has undoubtedly led to a decrease in the use made of the Library by students. By considering the Library as a unit and not as a part of the College an attempt is now being made to discover some method of remedying what has been a source of discomfort to both students and staff.

Through the depreciation of the pound the cost of foreign periodicals, and of German ones in particular, has increased considerably. It has been found possible, however, by economising in other directions, to continue to receive all those taken in the past, with the exception of three—of which only one, a chemical journal, is of great importance or utility. The University and Research Section of the Library Association has discussed this problem and has been instrumental in sending a letter of protest, signed by the Vice-Chancellors and Principals of all Universities and University Colleges and others, to the German publishing organizations. Whether this will have any effect it is difficult to say; but University librarians have been requested not to discontinue, in the meantime, any further periodicals. What is feared is that no sets of certain periodicals would be available for loan in this country, through the Joint Standing Committee on Library Co-operation and the National Central Library, if unregulated discontinuation were to take place.

No departmental libraries have been dealt with during the session. At the request of the Department of Agriculture, however, the Library of that department has been examined and reported upon. The report is now being considered by the Agricultural Committee.

This seems to be a fit place to record the opinion that the Library might equally well be considered as a repository for documents and papers relating to the history and progress of the College, and for the publications of the staff and research students, as a collection of books accumulated to meet the requirements of the syllabuses of the various departments. It would be of great assistance to the staff of the Library if members of the teaching staff, research students, and former students would present

to the Library copies of their publications and of any papers relating to the history of the Collège which may come into their possession, or if they would bring to the notice of the staff any such publications of which they may have knowledge.

I have to thank my predecessor, Mr. J. D. Williams, B.A., for constant and willing help during the session. Without his unvarying kindness my task would have been considerably heavier. To the Sub-Librarian, Miss E. C. Felstead, also, and to Miss E. M. Harris and Miss Nancy Meredith, I am indebted for loyal and zealous co-operation.

*Statistics.*

Volumes dealt with during the year : already in Library	179
accessions	3,017
<b>Total</b>	<b>3,196</b>
Books issued to readers—General Library	9,254
—Science Library	1,536
Number of borrowers for vacations—General Library	598
—Science Library	117
Books borrowed through the National Central Library	45
Books applied for by Library, but not available for loan	6
Theses borrowed	3
Books lent through the National Central Library	27
Theses applied for to Library, but not available for loan	2
Number of catalogue cards sent to the Union Catalogue, Regional Libraries Scheme for Wales and Mon- mouthshire at the National Library of Wales	9,790

Gifts of books and periodicals have been received during the session from the following donors :—

Dr. R. I. Aaron, U.C.W.; Aberystwyth Public Library Committee; Abo Akademis Bibliotek, Finland; Adelaide University; Air Ministry Publication Depot; Alberta, Research Council; Rev. J. R. Ardill, Sligo; Association of Head Mistresses; Messrs. Bale; Sons and Danielsson, Ltd.; Bank of Nova Scotia, Toronto, Ontario; Bristol University; British Academy; British Empire Cancer Campaign; British Museum; British Museum (Natural History); British Science Guild; P. R. Broemel, Esq., London; Lady Burghclere; University of Caen; University of Calcutta; Cambridge Observatory Syndicate; Cardiff Public Library; Carnegie Endowment for International Peace; Carnegie Institution of Washington; Carnegie Trust for the Universities of Scotland; Chinese Delegation of the League of Nations, Geneva; Chinese Legation, Paris; Cobbe Memorial Trust; Columbia University (85 volumes of Ph.D. theses); Commonwealth Fund, New York; Cork University Press; Director of Agriculture, Cyprus; Dacca University; Department of Scientific and Industrial Research, London; Discovery Committee, Colonial Office, London; East African Agricultural Station, Amani; Edinburgh University; Empire Marketing Board; Professor H. J. Fleure, Manchester; the French Ambassador, London; Lord

Gladstone of Hawarden ; Glasgow University ; Indian Government, Central Publications Branch, Calcutta ; Dr. George H. Green, U.C.W. ; Professor Jerome D. Greene, U.C.W. ; Dr. R. T. Gunther, Oxford ; Dr. Werner Hartke, Königsberg ; Harvard College Library, Cambridge, U.S.A. ; Harvard College, Museum of Comparative Zoology ; Messrs. Alfred Herbert, Ltd. ; Sydney Herbert, Esq., U.C.W. ; E. B. Hicks, Esq., U.C.W. ; High Commissioner for Canada, London ; High Commissioner for New Zealand, London ; H.M. Stationery Office, London ; Sir Charles Holmes ; Hong Kong University ; L. J. Hudleston, Esq., U.C.W. ; Harry Hussey, Esq., Port Dover, Canada ; Imperial Economic Committee ; Institute of Chemistry, London ; Institute of Physics, London ; Institute of Sociology, London ; Dr. W. E. Isaac, Capetown University ; Director of Agriculture, Jamaica ; Professor T. Campbell James, U.C.W. ; Japan Society, New York ; Professor W. Jenkyn Jones, Aberystwyth ; William Kiddier, Esq., Nottingham ; Messrs. Lazard, Bros. and Co., Ltd., London ; Professor T. A. Levi, U.C.W. ; Henry Lewis, Esq., c/o Messrs. Sidney Kiek and Son, Ltd. ; Liverpool University Library ; London School of Hygiene and Tropical Medicine, Library ; J. E. R. McDonagh, Esq., c/o Messrs. Heinemann Ltd. ; Messrs. Macmillan, Ltd. ; Charles G. Matthews, Esq., Borth ; Mercury Press, Shanghai ; University of Mexico ; E. A. Milne, Esq., Oxford ; Ministry of Agriculture and Fisheries ; University of Minnesota ; Dr. R. Owen Morris, Aberdyfi ; Musical Association ; University of Nancy ; National Laboratory of Psychical Research ; National League of Japanese University Professors, Tokyo ; National Library of Wales ; National Museum of Wales ; National Union of Teachers, Press Committee ; National University of Ireland, Publications Committee ; North of Scotland College of Agriculture, Aberdeen ; Director of Agriculture, Nyasaland ; University of Oslo ; A. Plutynski, Esq. ; Polish Ministry of Finance ; Director of Census, Pretoria ; University of Pretoria ; Public Archives of Canada ; University of Queensland ; Radium Institute, London ; Canon Gerald H. Rendall, Dedham, Essex ; Rhodes Trust, London ; Rhodesia Chamber of Mines, Bulawayo ; David Rhydderch, Esq., Aberdare ; Rockefeller Foundation, New York ; Miss Anna Maria Roos, Stockholm ; Rubber Growers' Association, London ; Russell Lecture Trustees, Patna College, c/o Clarendon Press, Oxford ; Secretary of State for India, London ; Department of Agriculture, South Africa ; South Australian Government Exchanges Bureau, Adelaide ; Sir Josiah Stamp ; Stanborough Press, Ltd., Watford, Hertfordshire ; R. B. Steele, Esq., Nashville, U.S.A. ; Tanganyika Territory, East Africa, Department of Agriculture ; D. E. Thursby-Pelham, Esq., Lowestoft ; Dr. W. Tombrock, Bergenop-Zoom ; Transvaal University College (University of Pretoria) ; Messrs. Truman and Knightley, Ltd. ; Philip E. Vernon, Esq., Cambridge ; Professor C. K. Webster, London ; Wellcome Chemical Research Laboratories, London ; Welsh Mountain Sheep Flock Book Society ; Western Theological Seminary, Evanston, Illinois ; W. Roger Williams, Esq., Clevedon ; Miss Lilian Winstanley, U.C.W.

Calendars and prospectuses have been received from the following universities and colleges :—

Aberdeen University ; Armstrong College, Newcastle-upon-Tyne ; Auckland University College ; Bangor, University College of North Wales ; Bedford College for Women (University of London) ; Birmingham Central Technical College ; Birmingham University ;

Brighton Technical College; Bristol University; Canterbury College, University of New Zealand; Cape Town University; Columbia University, New York; Cork University College; Dublin University College; Durham University; Edinburgh, Heriot-Watt College; Edinburgh University; Egyptian University, Cairo; Exeter, University College of South West England; Glasgow Royal Technical College; Harlech—Coleg Harlech; Hebrew University, Jerusalem; University of Hong Kong; Hull University College; Imperial College of Science and Technology (University of London); National University of Ireland; Leeds University; Leicester University College; Liverpool University; London University; London University—University College; McGill University, Montreal; Madrid University; Manchester, Municipal College of Technology; Manchester, Victoria University; Melbourne University; North of Scotland College of Agriculture; Nottingham, University College; Princetown University; Queensland University; Reading University; Rensselaer Polytechnic Institute, Troy, New York; Royal Holloway College (University of London); Saint Andrews University; Saskatchewan University; University of South Africa, Pretoria; Southampton University College; Swansea University College; Tasmania University; Toronto University; Trinity College, Dublin; United Theological Colleges at Aberystwyth and Bala; University of Wales; Washington, State College; Welsh National School of Medicine, Cardiff; Yale University.

Dr. Phoebe L. B. Sheavyn, of Pulborough, Sussex, also presented to the College a collection of 86 books, chiefly English literature; the late Dr. Ferdinand Rees, of Brighton, bequeathed 67 volumes, of Welsh literature and history; and the late Miss Mary Brebner, who was formerly on the staff of the German department, 133 books, chiefly French and German literature.

Sixty-four theses were received from the University Registry, Cardiff.

## ART AND CRAFTS GALLERY.

### THE CURATORS.

It will be remembered that last year we had the pleasure of reporting Dr. Davies Bryan's generous gift of pottery from the Jericho excavations. In order to set out these exhibits in a worthy manner we have found it advisable to carry out a general re-spacing of the Gallery. Dr. Davies Bryan's gift included two show cases and in these the Jericho pottery is set out. It must be mentioned, however, that several more cases are required for the Museum, and it is to be hoped that some generous donor may see his way clear in the near future to supply the urgent need.

Interesting additions have been made to the Folk-craft section, including the following:—

A large bread-pan, three dishes and a jug, all decorated in the characteristic Welsh slip decoration, old coffee-mill, sugar cutter, oak cheese-press, oak linen-press, decorated wooden spoon, sail-maker's tool, decorated wooden needle-holder, butterprint, wooden cups, butter-press.

The additions to the collection of pottery are as follows:—

From the kiln of Mr. & Mrs. Charles Vyse—A faceted Cup with rust decoration; two bowls by R. Pleydell Bouverie; one bowl by B.



CRAFT GALLERY  
RECENT ACQUISITIONS

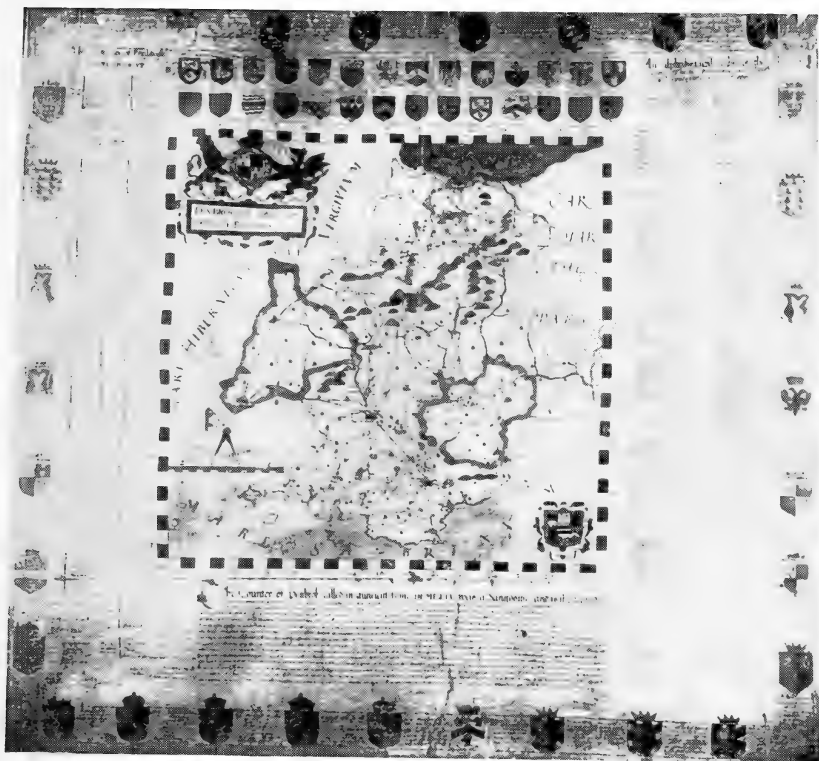


A small Selection from the collection of pottery presented by Dr. Davies Bryan last session.

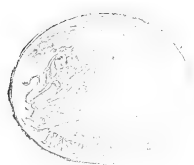
The collection includes specimens, and in some cases complete groups, from the tombs of the Bronze Age, and represent successive archaeological phases of the Middle and Late Bronze Age, corresponding with the epochs in the fortunes of the Historic City from 2000 B.C. down to its fall about 1400 B.C. The brick on the left of the picture is 14'' $\times$ 13'' $\times$ 6'',



CRAFT GALLERY  
RECENT ACQUISITIONS



Map of Pembrokeshire dated 1602, drawn and coloured by hand, the work of George Owen of Henllys. It is noted for the number of coats of arms, coloured, with which it is adorned.



Leach of St. Ives, Cornwall; set of seven dishes by Shoji Harmada, the Japanese potter, and a decorated Poole vase.

The additions to the collection of prints have not been numerous but are of considerable interest.

The etchings acquired are the following :—

Original drypoints—

- “ Smailholm Tarn,” “ Tantallon Castle,” “ Hills of Lochinvar ”  
 By Stanley Angus.  
 “ Derwent Tor ” Derbyshire By Kenneth Steel.  
 “ Lincoln—Sunrise,” “ A Masters House,” “ Black Rabbit  
 Chalk-Pit Arundel,” “ Chepstow from the Cliff ”  
 By Joseph Webb.

Woodcuts—

- “ Autumn Leaves ” By C. L. Allport.  
 “ Going to Work ” By C. Ross Burnett.  
 “ Magpie ” By A. W. Sealey.

The following additions have been made to the collection of books :—  
 From the Gregynog Press—

- “ The Singing Caravan.” By Robert Vansittart, with decorations and Frontispiece by William Mac-canel.  
 “ Erewhon.” by Samuel Butler. Woodgravings by Blair Hughes-Stanton.  
 “ Caniadau.” W. J. Gruffydd. Torrwyd y darluniaiu a'r llythrennau dechreuol gan Blair Hughes-Stanton.  
 “ The Revelation of Saint John the Divine.” Engravings by Blair Hughes-Stanton.

Amongst other purchases of books are the following :—

- Wood-block Printing By F. Morley Fletcher.  
 Wood Engraving. By Bernard Sleigh.  
 Domestic Wood Utensils. By Evan Thomas.  
 Furniture and Furnishing. By J. C. Rogers.  
 Lithograph as a Fine Art. By A. S. Hatrick.  
 The Eclogues of Virgil. By Samuel Palmer.  
 (Illustrated by the Author).  
 Cambria Depicta. A series of Fifty Picturesque Views in Wales. Engraving in Aquatinta by T. Howell, T. Cartwright, J. Hassell and T. Bonnor.  
 Portfolio Proof Impressions. Selections from Scribner's Monthly and St. Nicholas.  
 English Rustic Pictures. By Frederick Walker, A.R.A., and G. J. Prinwell.  
 Stained Glass. By F. Sydney Eden.  
 How to See Series By Charles Ricketts.

Among the gifts to be recorded are the following, for which grateful thanks are offered to the donors.

Dr. Davies Bryan. A consignment of antiquities from Jericho which includes this year as its special feature a large and representative selection of objects (chiefly pottery) from the burnt store rooms of the Palace in the Bronze Age City. These range in date from about 1700 B.C. down to the fall of the city at the end of the 15th Century. Included are

also specimens from the rooms of the Ramaside epoch indicating a partial reoccupation of the area.

Also specimens of burnt wood and grain, grinders, weights, etc., from the occupation of the city at the time of its destruction, also Scarabs of the Hylisos period.

Mr. H. F. Elenor. The Works of Edward Days. With illustrative notes by E. W. Bradley. 1805.

Aims and Ideals in Art by G. Clauson.

30 Prints including Engravings, Woodcuts and Etchings.

Prof. J. L. André Barbier. African Musical Instruments.

Prof. E. A. Lewis. Coins.

Principal Ellen Evans. Ivory Bobbins.

Prof. Gwilym Owen. Prints.

Major L. J. Mathias, Bronpadarn, Aberystwyth. Model Ship.

### HALLS OF RESIDENCE FOR WOMEN STUDENTS.

SENIOR WARDEN : MRS. K. GUTHKELCH.

The session 1932-33 has once again been a satisfactory one, and Miss Macgregor and Mrs. Hart have again co-operated with me most kindly and helpfully. Within Alexandra Hall there has been a further re-organisation of domestic duties, except for the Secretary's work, which Miss C. Thomas has for the third year performed very efficiently. We have now not only a lady cook-caterer but a lady head cook, an arrangement which has already proved helpful. The change was made necessary after a singularly difficult Spring term, during which half the staff was ill with influenza, etc. Throughout these trying weeks and until the end of the annual summer letting of the Hall I secured the help of a former student, Miss Megal. M. Richards, B.A., and found in her a most capable and adaptable assistant. We lose her regretfully and wish her all success in the career before her. The outbreak of influenza also affected some students in each of the three Halls, but the incidence among them was not so heavy. Otherwise the students' health has maintained its high level: indeed there were no cases for nursing (save one bad throat) throughout the summer term.

Once again the three Halls have fully utilised their opportunities during vacations of receiving Conferences and tenants, etc., with a view to reducing the debts on their accounts. The list is as follows :—

- Alexandra Hall.*
- (1) National Young Life Campaign for 5 weeks, July-August, 1932.
  - (2) Girl Guide Rangers for ten days in September, 1932.
  - (3) National Union of Teachers for 10 days, Easter, 1933.
- Carpenter Hall.*
- (1) Rowntree Employees for one week in July, 1932.
  - (2) Workers' Educational Association for five weeks in August-September, 1932.
  - (3) Aberystwyth O.S.A. Reunion for 10 days, Easter, 1933.
  - (4) St. David's School Conference, June 26th, 30th (4 days) 1933.
- Plynlymon.*
- (1) National Young Life Campaign for two weeks in August-September, 1932.
  - (2) National Union of Teachers for 10 days, Easter, 1933.

The number of women students in residence at the beginning of session 1932-33 was :—

Alexandra Hall	....	....	....	....	139
Carpenter Hall	....	....	....	....	55
Plynlymon	....	....	....	....	48
					<hr/>
					242
					<hr/>

### OFFICERS' TRAINING CORPS.

MAJOR H. F. STIMSON, T.A., RES.

1. <i>Strength.</i> —1923-24	....	2 Officers	78 Officer Cadets.
1924-25	....	2 "	87 " "
1925-26	....	4 "	93 " "
1926-27	....	2 "	93 " "
1927-28	....	1 "	101 " "
1928-29	....	2 "	104 " "
1929-30	....	2 "	102 " "
1930-31	....	2 "	105 " "
1931-32	....	2 "	100 " "
<b>1932-33</b>	....	<b>2 "</b>	<b>100 " "</b>

#### 2. *Training.*

(a) GENERAL. The improvement noted last year has been well maintained, the recruits being keen and of good type.

(b) SPECIAL.—An intensive course was held at the end of the Spring Term attended by 56 Officer Cadets. Lieut. J. C. L. Thomas (Prince of Wales Volunteers) a former cadet at home on leave from India gave his services as guest lecturer and his help was of great value in the training.

(c) MUSKETRY.—An average year.

#### 3. *Armistice Day.*

A smart and well turned out guard under the command of Lieut. W. E. Lewis (7th R.W.F.) took part in the civic memorial service on Nov. 11th.

#### 4. *Attachment.*

Lieut. W. E. Lewis—a senior student holding a commission in the 7th R.W.F.—was officially attached for training to the corps for the year and he has rendered highly valuable service.

#### 5. *The Officer Cadet Reserve.*

Col. Le. Fanu of the War Office paid a visit to the corps, and after inspecting the contingent he gave a short address on the aims of the Officer Cadet Reserve. As a result of his visit all those in possession of the necessary qualifications enrolled.

#### 6. *Annual Camp.*

(a) TRAINING.—The Annual Camp was held at Weymouth from July 13th to July 26th on a good site and in perfect weather. In addition to the normal training the cadets were given an opportunity of seeing a demonstration by a platoon of recruits from the Dorsetshire Regiment after

twenty weeks training ; a tank demonstration at Bovington and Lulworth and a demonstration by an Army Co-operation Squadron of the Royal Air Force. In addition cadets were allowed to visit the Destroyers and Submarines lying at Portland.

(b) GAMES AND SPORT.—In the inter-contingent games and sport the corps made a creditable show but only succeeded in winning the Cricket Competition.

(c) INSPECTION.—The contingent was inspected on Friday, July 21st, by Col. Freyberg, V.C., C.M.G., D.S.O., LL.D., who reports as follows :—

**DRILL (INCLUDING BATTLE DRILL).**

The standard of the men in the ranks and the way they marched and carried themselves on parade was very good.

I did not have any opportunity of seeing their Battle Drill.

I saw the work of the Machine Gun Platoons. The instruction was well carried out and the men showed keenness to learn.

I saw the Contingent carry out a tactical scheme involving the employment of a Company. The scheme was well prepared and the platoons were commanded with intelligence. The leading of the section commanders was well carried out and the fire discipline and direction showed that the ground work had been soundly taught.

**DISCIPLINE.**—The general tone of the Contingent and its steadiness on parade showed that an excellent spirit permeated the unit.

**TURN OUT INCLUDING STATE OF CLOTHING.**—Excellent.

**ARMS AND EQUIPMENT.**—Well kept.

**GENERAL REMARKS.**—There is no doubt that a high standard of work has been reached at this Camp. An excellent spirit exists and the results should be correspondingly good. Part of the success has been due to the excellent site of the Camp and the good weather conditions and help given by the 2nd. Bn. The Dorsetshire Regiment, who have done everything in their power to make this year's training as valuable as possible, but the main success of this camp has been attributable to the keenness of all ranks in the Contingent themselves, and to the arrangements made by their Officers and senior N.C.O.'s.

I was much struck by the excellent physique of the Cadets.  
(Signed) B. C. FREYBERG, Colonel,  
A.Q.M.G., Southern Command.

(d) Officer Cadet Sgt. Major Harris, B., had the honour of being chosen to command the combined parade on this occasion.

(e) *Visitors.*

Professor T. Campbell James, M.A., D.Sc., visited the camp on behalf of the Military Education Committee on Friday July 14th and 15th and he will report to that body at the next meeting.

### 7. *Certificates.*

The following passed Certificate "A" Part I (Practical)—a record number.

Adams, W. S. ; Gauge, H. C. ; George, E. ; Germanacos, C. L. ; Gilford, M. ; Griffiths, C. ; James, K. ; Jenkins, S. M. ; Jones, S. K. ; Jones, R. G. ; King, W. G. ; Morgan, P. F. ; Morris, K. O. ; Pritchard, J. T. ; Roberts, B. Ll. ; Saunders, I. J. ; Stephens, D. G. ; Thomas, G. L. ; Thomas, H. ; Thomas, J. S. H. ; Treharne, F. H. ; Williams, C. R. ; Williams, R. A.

The undermentioned Officer Cadets already holding Certificate "A" passed in Part I (Practical) Certificate "B."

Jarvis, S. G. (Machine Gun) ; Carter, G. E. ; Counsell, E. ; Harris, B. ; Jones, W. H. ; Rees, W. C. ; Whiteside, A.

### 8. *Command.*

The contingent is still short of officers and in view of the need of finding a suitable person to assume command of the contingent every effort should be made to bring the corps up to strength in commissioned officers.

### 9. *Acknowledgments.*

The Commanding Officer tenders his thanks to the Military Education Committee, to the Secretary (Mr. E. B. Hicks) and to Professor T. C. James.

**AGRICULTURE.**

PROFESSOR J. JONES GRIFFITH.

The number of students pursuing the various courses of study in the Agricultural Department during the past session was as follows :—

*Degree Course :—*

1st Year	...	...	...	...	...	15
2nd Year	...	...	...	...	...	5
3rd Year	...	...	...	...	...	9
4th Year	...	...	...	...	...	6
Postgraduate	...	...	...	...	...	6

*Diploma in Agriculture.*

1st Year	...	...	...	...	...	3
2nd Year	...	...	...	...	...	8
3rd Year	...	...	...	...	...	4

*Diploma in Dairying.*

1st Year	...	...	...	...	...	3
2nd Year	...	...	...	...	...	6

Short Course in Agriculture	...	...	...	...	11
Continuation Course in Agriculture	...	...	...	...	8
Short Course in Dairying	...	...	...	...	23
Special Course in Dairying	...	...	...	...	9

*Degree Course.*

Six of the eight students who sat the University Examination at the Final Stage satisfied the examiners. One member of the class, Mr. Stephen Williams, appears to be the best agricultural student we have had for some years. He has done excellent work throughout his career as a student and he should be able to give a very good account of himself in the Honours Course in Agriculture next session.

Two other students, viz., Messrs. P. T. Thomas and S. C. Ray, did very creditable work and are likely to do well in their special lines of agricultural science at the Honours Stage next year.

At the Subsidiary Stage there were no students of outstanding merit, but they all worked well and made very satisfactory progress during the session.

*Agricultural Diploma Course.*

Fifteen students pursued the various grades of the diploma course. Their work, on the whole, was very satisfactory. Special mention should be made of the excellent work performed by Mr. J. Downey in both the Agricultural and the Dairy Courses.

*Short and Continuation Courses.*

Only a relatively small number of students attended these courses during the past session. This was mainly due to the fact that some of the County Agricultural Committees in the College Area, owing to the call for economy, failed to make adequate provision for scholarships to enable



farmers' sons to pursue these courses. In view of all the talk about the national importance of the agricultural industry it is very unfortunate that more encouragement is not given to young men to pursue courses of instruction which are specially arranged to meet the requirements of those who intend to go in for practical farming as their career.

#### *Dairy Courses.*

The quality of the work was well up to the usual standard with three or four members of the second year class. The others did almost equally well with their practical work, but less satisfactory in the theoretical section of the course. The first year class was small and also rather disappointing in quality.

Among those taking the special course in dairying there were some very promising students and they are expected to attain considerable success with their dairy work during the coming session.

It is very gratifying to be able to report that our dairy students in recent years have experienced no difficulty in securing employment when they have successfully completed the National Diploma Course. In fact, at the present time the demand for persons well qualified in dairy science and in practical dairying is greater than the supply. Many of our past students are now doing really well in responsible positions on the staff of some of the most important dairy establishments in the country.

#### *College Farm.*

Experimental work at the College Farm was conducted on much the same lines as in previous years. A special feature of last session's work was the adoption of the Finnish process of ensilage. This year a more elaborate experiment is in progress with a view to evolving more efficient methods for preserving green fodder.

I desire to acknowledge the very valuable services and most loyal co-operation of all my colleagues in the Department. I must also express my appreciation of the help received from members of the staff of several other College Departments, who, by means of special lectures and in various other ways, contributed very substantially to the efficiency of the work of the Agricultural Department.

### **AGRICULTURAL CHEMISTRY.**

PROFESSOR T. W. FAGAN.

The number of students and their distribution amongst the various grades is indicated in the following table :—

Short Course in Agriculture	...	...	...	11
Continuation Course in Agriculture	...	...	...	8
Diploma Course in Dairying	...	...	...	10
Diploma Course in Agriculture	...	...	...	15
Degree Subsidiary	...	...	...	9
Final	...	...	...	1

### *Short and Continuation Courses in Agriculture.*

Probably the depressed condition of Agriculture in the area had some influence on the number of students attending the Short Course in Agriculture at the College, for in comparison with the previous year fewer students followed this course. The work, however, was of a decidedly higher standard than in previous years and as a result of this an exceptionally high proportion of the Short Course students returned to College to proceed with the Continuation Course. Some of these students had previously done Chemistry at school, and had followed the subject well beyond the Matriculation standard, this enabled them not only to appreciate more fully the application of Chemistry to Agriculture, but also to make very satisfactory progress with their laboratory work.

### *Diploma Course in Dairying.*

The Dairy students took a keen interest in their work, especially in those aspects of the subjects dealing with the control of the quality of milk and dairy produce. One feels confident that a number of these students will in the future give a good account of themselves in posts connected with the Dairying Industry. Out of eight students that presented themselves in Agricultural Chemistry for the National Diploma in Dairying, seven were successful.

The number of students pursuing the diploma courses both in Dairying and Agriculture was slightly higher than last year.

### *Diploma Course in Agriculture.*

The work of the students taking the Diploma Course in Agriculture was well up to the average standard. Some of the more advanced students carried out preliminary investigations into the manurial requirements of the soil of their own farms. It will be of interest to follow the effect of this on the practice of their neighbours. Previously this has generally resulted in a demand for a series of lectures to be given in such districts.

The four students who presented themselves in Agricultural Chemistry for the National Diploma in Agriculture were all successful.

### *Degree Subsidiary.*

This class worked well and did very satisfactory work in the laboratory. It was, however, often felt that the bearing of some of the fundamental facts of Chemistry on work in the field was not always grasped to the extent desired. As might be expected this was more particularly the case with those members of the class whose knowledge of practical Agriculture was not very extensive. All were successful in their College examinations.

### *Final.*

Stephen Williams, who completed his Final in Agricultural Chemistry did work of outstanding merit. Not only did he show a wide knowledge of the subject, but also that he could apply this knowledge to the solving of practical problems.

### *Research.*

In conjunction with the Welsh Plant Breeding Station Staff and the College Farm, Nantcellan, the following investigations are in progress:—

- (1) The influence different methods of preserving green fodder has on its chemical composition and nutritive value.
- (2) The influence of altitude on the growth and chemical composition of four grasses and clover.

Mr. Alun Jones Pugh, M.Sc., an old student of the Department, who in 1928 was awarded a Ministry of Agriculture Research Scholarship, has been appointed to the staff of the State of New Jersey Agricultural Experiment Station. Another old student, Mr. Henry Tawelfryn Watkins, M.Sc., who was assisting with the analytical work in the Agricultural Chemistry Laboratory, has been appointed Assistant Adviser in Agricultural Chemistry to the University of Bristol.

I desire again to express my gratitude to my colleague, Mr. R. O. Davies, for his unfailing support and valuable assistance in the work of the Department generally.

## AGRICULTURAL BOTANY.

MISS KATHLEEN SAMPSON.

The number of students taking courses during the session 1932-33 was as follows :—

Research and advanced courses ...	...	...	4
Degree Honours ...	...	...	2
Subsidiary ...	...	...	8
Diploma in Agriculture, 1st year ...	...	...	3
2nd year ...	...	...	7
3rd year... ..	...	...	3
Diploma in Dairying, 1st year ...	...	...	3
2nd year ...	...	...	7
Continuation Course ...	...	...	8
Short Course ...	...	...	11
			56

*Diploma.* The work of the various diploma classes has been satisfactory. Mr. John Lewis, who came to us from Pibwrlwyd, the Carmarthenshire Farm Institute, deserves mention for steady progress during a three years' course. Five students were awarded the college diploma in Dairying and four the college diploma in Agriculture. Four students were successful in obtaining the National Diploma in Agriculture and six received the National Diploma in Dairying.

*Degree.* The subsidiary class of eight contained students varying widely in ability. Mr. P. T. Thomas and Mr. L. J. McHardy deserve special mention. Six passed the sessional examination.

Mr. J. H. Western and Mr. D. D. Gupta did excellent work as honours students and were placed in the first class.

*Higher degrees.* Mr. Ahmed Ali Querashi, M.Sc. (Punjab), was awarded the degree of Ph.D. on a thesis entitled :—

- (1) "A study of self-fertility in perennial rye-grass (*Lolium perenne* L.)."
- (2) "A preliminary study of inheritance to rust (*Puccinia Phleipratensis* E et H in timothy (*Phleum pratense* L.)."

During the session Mr. E. L. Hughes has worked under the direction of Mr. E. T. Jones on a statistical study of variation in certain oat crosses, while Mr. R. G. Walker, under the supervision of Mr. H. G. Chippendale has been investigating the processes of germination in *Avena sativa*.

During the summer, four students are assisting members of the research staff and are again indebted to Professor Stapledon for the loan of his bungalow as a vacation "camp."

The department has been greatly helped this session by the following members of the advisory and research staff who have given lectures:—

- Mr. D. Walters Davies, B.Sc. (Applied Mycology).
- Mr. M. T. Thomas, B.Sc. (Grassland Agronomy).
- Captain R. D. Williams, M.Sc. (Genetics and Plant Breeding).
- Mr. E. T. Jones (Oats).
- Mr. H. G. Chippindale (Physiology).
- Mr. T. Emlyn Jones (Statistics and plot technique).

*Past students.* Among recent students who have obtained appointments are the following:—

- Mr. Evan Davies, Assistant Agricultural Organiser and Lecturer in Agriculture, Madryn Castle Farm School, Caernarvonshire.
- Mr. E. L. Jones to a post in Markets Division, Ministry of Agriculture.
- Mr. R. Henderson, Assistant Agricultural Economist, Harper Adams Agricultural College.
- Mr. W. A. Jones, Science Master, Central School, Lampeter.

*Research.* Mr. D. Walters Davies is engaged upon experiments dealing with the control of a number of diseases which are severe in the locality, among which may be mentioned the American gooseberry mildew, finger and toe of crucifers and covered smut of barley. The new glass-house erected at the experimental gardens on the Llanbadarn Road has proved of great value in connection with variety trials of tomatoes and tests of spray fluids to control the diseases of this crop. Experiments are also in progress on the use of ceresan for grain of oats and grasses.

Miss Poulter, in co-operation with the bacteriological department at Rothamsted, is testing the relative efficiency of different strains of the clover nodule organism and is comparing these with soil as a source of inoculum. The work is of special interest in connection with Welsh sheep walks.

During the session I have concluded and prepared for publication some work dealing with *Epichloe typhina*, a systematic disease of grasses, and have made some progress with a study of the *Lohum* endophyte. The smut diseases of oats are also still under investigation.

The department continues to owe a great deal to the generous help given in connection with teaching and research by the staff of the Plant Breeding Station and I have pleasure in thanking the Director and all members of the staff.

I wish to thank Miss Poulter for her loyal and efficient help in all matters concerning the department.

### **WELSH PLANT BREEDING STATION.**

*Director:* PROFESSOR R. G. STAPLEDON.

The Station has had to continue to work under reduced grants from Government Departments and the salaries of the staff are still subject to deduction. The work of the Station, thanks to the loyalty of the staff, has not, however, suffered to any serious extent. It has been difficult to maintain establishment in a proper state of repair and quite impossible to make urgently needed additions to the equipment and apparatus.

The number of visitors to the Station continues to be below normal consequent upon the falling off in overseas and continental research workers coming to this country as the result of the badness of the times.

The work on plant breeding has now reached a very interesting stage and Mr. Jenkin and Capt. Williams are publishing important papers on a number of genetical problems connected with the grasses and clovers. The productions of the Station are now beginning to get into the farmers' hands and the extensive trials conducted all over Wales with our new strains of grasses are creating a great deal of interest.

The oat breeding work is also proceeding very satisfactorily and the new varieties of white winter oats bred by Mr. E. T. Jones, are of high promise. They stand well, are winter-hardy, of excellent grain quality, and altogether more productive than the ordinary Grey Winter oats.

The general researches on grassland are being pushed forward and a number of important physiological problems connected with seeds and seedling growth are the subject of special investigation by Mr. Chippindale.

As in past years the Station has received the greatest possible assistance from Professor Fagan and the Department of Agricultural Chemistry.

An account of the organisation and work of the Station from its foundation in 1919 to July, 1933, has been prepared and issued and this publication should be consulted by all who are interested in the future of the Station.

I wish to express my appreciation of the active support which the whole staff has rendered me during the difficult and critical period under review.

#### *The Cahn Hill Improvement Scheme.*

Although the Station as a whole is faced with grave difficulties, none the less the year 1933 will always be memorable in the History of the Station on account of the important development in connection with our work on hill land. All the arrangements have now been made to inaugurate the Scheme rendered possible by the munificent benefaction of Sir Julien Cahn, of Stanford Hill, Loughborough.

We are fortunate in having obtained the services of Mr. Moses Griffith, M.Sc., lately the Agricultural Organiser for Merionethshire, as Lands Director under the Scheme. Negotiations have been completed with the Hafod Estate.

At Lady Day the Scheme took possession of Pwllperian with ninety acres of farm land and over 200 acres of hill. At Michaelmas we shall take possession of Nant Rhys, 2,200 acres, and Prignant, 200 acres.

Operations have been started at Pwllpeiran and already some 50 acres on the hill have been treated and grassed out.

The arrangements relative to stocking the farm are well advanced and the Scheme may now be regarded as being well and truly launched.

## **IMPERIAL BUREAU OF PLANT GENETICS : HERBAGE PLANTS.**

*Director* : PROFESSOR R. G. STAPLEDON.

The work of the Bureau has expanded considerably during the past year. This has made necessary the appointment of a Scientific Assistant and Miss Marjorie Hall, M.Sc., has come on to the staff in this capacity.

A number of special publications of great scientific interest have been issued by the Bureau, particularly noteworthy is that on Vernalization published conjointly by this Bureau, and the Bureau of Plant Genetics at Cambridge.

During July Dr. Whyte, accompanied by Mr. Gwilym Evans, of the Welsh Plant Breeding Station staff, made a tour of various centres in Germany, Austria and Hungary. They were concerned chiefly with the technique of Seed Production. A report will be issued in due course.

I desire to acknowledge my indebtedness to Dr. Whyte and the staff of the Bureau for the excellence of the work carried out.

### AGRICULTURAL ECONOMICS.

PROFESSOR A. W. ASHBY.

	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ...	2	—	2	2
Final ...	2	—	2	2
Hons. 2nd Yr.	4	—	4	4
TOTALS ...	8	—	8	8

There were two candidates for (Final) B.Sc. in Economics and Political Science with Agricultural Economics and both passed. Four candidates were presented for Honours in Economics with Agricultural Economics, of whom one attained a First Class and three attained the standard of Class II. Division I. Mr. J. H. Smith, who attained First Class Honours, has since been awarded the Keeling Scholarship for Research. His dissertation on "Changes in Lincolnshire Agriculture" was specially commended by the External Examiner. A candidate for Honours in Economics and Political Science also followed the course in Rural Social Organisation given in the Department. In addition there were two students for Subsidiary Agricultural Economics, and both attained the required standard.

Mr. W. H. Jones, B.Sc., a member of the staff, presented a thesis on "Methods in Farm Management Analysis: An Economic Investigation with some Illustrations and Results," and was awarded the M.Sc. degree. During the year Mr. W. J. Cowie was registered as the first student in the University for the University (Research) Diploma in Agricultural Science. He has been conducting a survey of the supply, distribution and consumption of milk in the City of Cardiff. In this work he has had very valuable assistance from milk traders in the City and from some of the City Authorities. This work promises the yield of important information on the milk trade of the greatest consuming area in Wales.

Mr. J. Llefelys Davies and Mr. J. Glynne Williams were again responsible for a large part of the teaching of Honours courses. Mr. W. H. Jones was responsible for teaching Principles of Agricultural Economics for (Final) Pass, and with Mr. J. Glynne Williams he was also responsible for teaching Subsidiary Agricultural Economics, and I wish to say that the success of candidates was largely due to their skilled and

devoted teaching. Mr. W. H. Jones again assisted the Lecturer in Farm Accountancy (Mr. E. B. Hicks) with instruction in that subject. Mr. J. Pryse Howell gave lectures in Farm Management to Short Course and Continuation Course students.

Mr. R. Henderson, who was engaged in the Department as a Temporary Assistant to assist with general work during my service on the Milk Reorganisation Commission, obtained a post as Permanent Assistant to the Advisory Economist, and proceeded to Harper Adams Agricultural College in October last. Mr. Eric L. Jones, B.Sc., was appointed as Temporary Assistant for the remainder of the period of my partial absence.

#### *Extra-mural Work.*

Formal classes were conducted, in collaboration with Agricultural Organisers, as follows :—

Mr. Howell.	} Cardigan, 3.
Mr. Williams.	
Mr. W. H. Jones.	
Mr. Williams.	} Montgomery, 2.
Mr. W. H. Jones.	

Altogether about 100 lectures have been given. The special feature of the Farmers' Lectures this year has been the explanation of the Marketing Schemes for Pigs, Milk, and Potatoes ; and the services of Messrs. Davies and Williams have been in great demand throughout Wales for this purpose. But in addition to single lectures, special conferences for the explanation and discussion of these Schemes have been held in Bangor, Wrexham and Swansea.

On some special aspects of these Schemes explanatory Memoranda have been specially prepared and issued. Amongst these may be mentioned the Memoranda on the position of landowners under the Schemes in general, and on the position of seed potato growers under the Potatoes Scheme.

My work on the Re-organisation Commission for Milk finished in January, and the special provision for a Temporary Assistant then ceased. Since then I have addressed meetings and conferences for the explanation and discussion of the Scheme in twelve counties of England. These meetings have been very largely attended and have shown that farmers have a keen and favourable interest in the proposed Marketing Scheme.

In general, the Department has done its utmost to assist farmers in understanding the great Schemes which are being put before them, and to assist them in forming and expressing considered views on their probable effects.

#### *Joint Scheme—Co-operative Advisory Work.*

As usual, two national conferences of representatives of co-operative societies in Wales have been held, one in October and one in May. Both were well attended and indicated great interest in the matters put before them. The autumn conference again included a review of the conditions and prospects of the trade in feeding stuffs and fertilizers. The President of the Liverpool Grain Trade Association attended and not only contributed to the discussion, but expressed his appreciation of the work done in this review. In connection with this *Joint Scheme*, the Department specially prepared a Memorandum on the position of farmers' dairy co-operative societies under the Milk Marketing Scheme. This was circulated to all such societies in England and Wales. A conference of these societies subsequently held in London made a request for the assistance

of the Department in drafting rules and in other procedure towards forming a national association of farmers' co-operative dairies. The Rules were drafted in the Department, and other assistance was given. The Department is still in close contact with agricultural co-operative societies in Wales. Although some of the ordinary detailed work in connection with them has been delayed to a certain extent by the special efforts to deal with the Marketing Schemes, this latter work seemed to be of the more immediate importance.

At the May Conference, 1932, a special Committee was appointed to consider the desirability of a scheme or schemes for superannuation of employees of co-operative societies, and, if desirable, to recommend a Scheme. Mr. Williams has been one of the joint secretaries of this Committee and has taken a great interest in its work.

#### *Research.*

The Department is still keeping accounts for about 80 farms. The individual results, with comments and suggestions, have been given to the farmers concerned. Part of the general results were used for the thesis by Mr. W. H. Jones which has been mentioned above, but other general analyses have been made and are proceeding. Reference may be made to the list of publications for some other results of research. But a special feature of the original investigations during the year has been the survey of the supply, distribution and consumption of fruit and vegetables in towns of North Wales. A special request for such a survey was made by the North Wales Horticultural Committee. The survey was conducted by temporary assistants—Messrs. E. L. Jones, B.Sc., and J. R. Owen, B.Sc.—mainly under the supervision of Mr. Davies. Any investigation of this character presents some peculiar difficulties, and it is very satisfactory to me to be able to report that this survey was conducted with a high degree of success, and that a draft Report has been prepared. There is promise of practical usefulness from this survey and the information which it yielded. This study of consumption, together with the study of the milk trade in Cardiff, mentioned above, has carried the work of the Department into a new and very promising field of investigation.

Mr. J. Llefelys Davies has made a special study of some account books recording transactions in farming and livestock dealing in Cardiganshire, 1830-1870; and studies have been drafted with a view to publication.

#### *Publications.*

A list of publications is appended. But it is with great regret that I have to report failure to make more than one issue of *Farm and Market* during the year, or more than one issue of *Agricultural Business* (in collaboration with the staff of the W.A.O.S.). But it is hoped the regular publication of these two quarterly bulletins may be resumed during the coming year.

#### *General.*

The progress of the research and advisory work of the Department has been generally satisfactory, but the advisory work has taken more of the time and energies of the staff than in any previous year, and the research work has suffered to some extent.

I wish to record my appreciation of the interest of all members of the staff in all the activities of the Department. These are now manifold and widespread: the agricultural community of Wales has looked to the Department for many forms of service; and to the best of their ability all members of the staff have sought to give the services required.



**VETERINARY HYGIENE.**

MR. A. PARRY.

*No. of students ... 17. .*

The elementary anatomy of the horse, ox, sheep and pig were studied, and also the method of ageing these animals were explained. The methods of control adopted on farm animals was described. The elementary physiology of the domestic animals and the methods of digestion in the ruminants was compared to the horse.

The contagious and infectious diseases were fully dealt with, and the notifiable diseases described. The examination of a herd for the production of graded milk was explained and the diseases from which the dairy cow must be free.

The method of diagnosing and treating common farm ailments amongst stock was described and where possible the method of preventing these diseases.

**LAND SURVEYING AND FARM BUILDING CONSTRUCTION.**

MR. G. T. BASSETT.

There were ten students in the Class. Attendance was regular and the results of the Terminal Examinations were distinctly good. All members of the Class who sat the N.D.A. examination passed in the subjects of Land Surveying and Farm Building Construction.

**DAIRY BACTERIOLOGY.**

MR. S. B. THOMAS.

The number of students taking courses during the session was as follows :—

Diploma in Dairying : 1st Year ...	...	...	4
Diploma in Dairying : 2nd Year	...	...	10
Short Course in Dairying	...	...	24
Short Course in Agriculture	...	...	11

In addition six past students returned for practical courses in routine analytical work before taking up appointments at commercial laboratories.

*Diploma Courses.*

Of the fourteen students taking Bacteriology courses during this session, seven have shown a thorough interest in their work and have obtained very good results in their examinations.

The others, however, seem incapable of benefiting from pursuing the courses. It is of interest to note that the dairy students who have taken elementary biology courses during their school career, show a greater aptitude for bacteriological work, particularly the practical side of it.

*Appointments.*

It is encouraging to report that a number of students have again obtained posts as Dairy Bacteriologists with industrial dairy firms. Thirteen such appointments have now been obtained by our students during the course of the past three sessions.

The following are the persons appointed during the session :—

1. Mr. Donald E. Ralph, N.D.A., N.D.D., Hull Co-operative Society.
2. Miss Dora J. Corfield, N.D.D., United Dairies (London), Ltd.
3. Miss E. M. Davies, N.D.D., United Dairies (London), Ltd.
4. Mr. G. Wilfred Davies, Lancashire Hygienic Dairies, Ltd., Manchester.
5. Mr. W. C. N. Churchyard, N.D.A., N.D.D., Express Dairies, London.
6. Miss Priscilla Williams, N.D.D., Meadowland Dairies, Ltd., Cardiff.

### Research.

Over 10,000 milk samples have now been examined bacteriologically in the department. These have been forwarded by approximately a thousand Mid and West Wales dairy farmers. The results of this routine work is very encouraging. Of 2,442 samples from 240 farms taken during the course of 21 County Clean Milk Competitions (1925-33), 66 per cent. have attained Grade A bacteriological standards. Of a further 3,000 random samples taken by 35 Local Authorities, practically 50 per cent. attained the Grade A standard.

At the time of writing, 90 farms in the Principality are licensed to produce Certified, Grade A (T.T.) and Grade A milk. The results of the examination of over 4,000 official monthly samples from these farms show that 88 per cent. attained the desired bacteriological standards.

In conjunction with the Adviser at Bangor, a series of experiments on the efficiency of various methods of sterilisation of farm dairy utensils have been carried out at 87 farms. The results show that with efficient steam sterilisation, milk with a bacterial content of under 20,000 organisms per cubic centimetre can be regularly produced.

Of 160 bulk samples of milk received direct from farms in Merioneth and Cardigan and were examined by animal inoculation, 3 (1.9 per cent.) were found to contain *Mycobacterium tuberculosis* and 5 (3 per cent.) *Brucella abortus*.

In conjunction with the Dairy Department Staff, the following investigations are in progress :—

1. The efficiency of the Reductase Methylene Blue test at 15°C. for the grading of raw milk, and at 55°C. for the examination of pasteurised milk. (Second Year).
2. The associative action of two organisms in the production of ropiness in milk and sugar cultures. (Second Year).
3. Studies on the bacterial flora of clotted cream.

## DAIRYING.

MR. G. T. MORGAN.

The number of students taking courses in Dairying during the session was as follows :—

1st Year Diploma	...	...	...	...	3
2nd Year Diploma	...	...	...	...	6
Six Weeks Course in Practical Dairying	...	...	...	...	23
Special Courses	...	...	...	...	9

Six students qualified for the National Diploma in Dairying in September, 1932.

At the present time there is a steady demand by the large milk distributing firms for workers who have completed the Diploma Course and who possess a good knowledge of Dairy Bacteriology and Dairy Chemistry. Consequently, we have been able to place the majority of dairy students in suitable posts. Enquiries are also frequently received for trained workers for cheese factories.

The work of students during the session has not been up to the standard of previous years. Very good work, however, has been done by Miss M. E. Phillips and Mr. John Downey.

It must be evident to all that the teaching in practical dairying is carried out under great difficulties. This is due to the fact that the equipment and design of the dairy does not meet adequately the needs of students preparing for the Diploma in Dairying, neither is it suitable for the development of investigational work. Much more is expected of students preparing for the National Diploma than was the case some years ago; this is especially true in regard to factory management and engineering. In view of the fact that the majority of students ultimately find employment with large firms it becomes increasingly important that during their courses they should have an opportunity of familiarising themselves with the management and working of power plant.

Aberystwyth is the only training centre in Wales which is recognised by the National Dairy Examination Board and it seems essential that our facilities for teaching should be comparable to those existing in other centres in Great Britain.

Miss Dorothy Probert, N.D.D., was appointed temporary assistant for the summer months, and I wish to express my gratitude to her for her loyal co-operation in the management of the dairy.

### AGRICULTURAL BOOK-KEEPING.

MR. E. B. HICKS, A.S.A.A.

The following students pursued the course during the session :—

<i>Junior Section.</i>	<i>No. of Students</i>
Short Course ... ..	11
First Year Diploma in Dairying ... ..	4
First Year Diploma in Agriculture ... ..	3
 <i>Senior Section.</i>	
Dairy Diploma ... ..	6
Agricultural Diploma ... ..	7

The Book-keeping Course was divided into two sections in accordance with the practice of the last three years. The section dealing with the interpretation of Farm Accounts, including Principles and Methods of Valuation, Tenant Right Valuation, Farm Costings, etc., was undertaken by Mr. W. H. Jones, B.Sc.

Four students passed the National Diploma in Agriculture Examinations at Leeds in April, 1933.

Six passed the National Diploma in Dairying Examinations at Reading in September, 1932.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF.  
SESSION 1932-33.**

*German.*

MR. DAVID EVANS.

- Early Cosmogonies. Seren Gomer. May, 1933. p. 112-122.  
 Psychology and Religion. Seren Gomer. September, 1932. 8 p.  
 Sandalau Ffawd. Trysorfa. November, 1932—Translation from  
 Hans Andersen.  
 Iaith a Gwareiddiad. Efydydd. June-July, 1933. 6 p.  
 On Translating. Athro. January and July, 1933. 8 p.  
 State and Language. Welsh Outlook. January, 1933. 6 p.  
 Weekly Notes on Lessons. Yr Arweinydd Newydd. April, 1932-  
 March, 1933. (By request).  
 Goethe. Efydydd. December, 1932. January and March, 1933.  
 Y Wlad, ei bywyd, ei haddysg a'i chrefydd. 250 p. Hugh Evans  
 & Sons, Liverpool.

*History.*

PROFESSOR R. F. TREHARNE.

- "The Baronial Plan of Reform, 1258-63." Manchester University  
 Press, 1933.  
 Articles on Medieval English History, under the letters L-N, in the  
 "*Enciclopedia Italiana*".  
 Reviews in "*History*."

MR. S. HERBERT.

- Chapters on Mandates, Minorities, and International Co-operation  
 in Professor C. K. Webster's "The League of Nations in Theory  
 and Practice."

*Economics and Political Science.*

PROFESSOR R. B. FORRESTER.

- Presidential Address to Section F of the British Association for  
 the Advancement of Science.  
 Britain's Access to Overseas Markets. *Economic Journal*,  
 December, 1932.  
 Collective Bargaining in the Milk Industry. *The Milk Industry*,  
 London, January, 1933.

*Welsh.*

PROFESSOR T. H. PARRY-WILLIAMS.

- Llawysgrif Hendregadredd*. Ed. J. Morris-Jones and T. H. Parry-  
 Williams. Welsh Univ. Press, 1933.

MR. D. GWENALLT JONES.

- Beirniadu Beirniaid*. Y Llenor, Gwanwyn, 1933.

*Welsh Literature.*

PROFESSOR T. GWYNN JONES.

- Cymeriadau*. (the second of the series of six volumes of collected  
 works), Wrexham, 1933.  
*Cerddoriaeth Gymreig* (notes on the problem of Early Music in  
 Wales), Wrexham, 1933.  
*Pobun* (a Welsh version of Von Hofmannsthal's *Jedermann, das  
 Spiel vom Sterben des reichen Mannes*, produced at the National  
 Eisteddfod, Wrexham, August, 1933). Liverpool, 1933.

*Philosophy.*

PROFESSOR R. I. AARON.

*Hanes Athroniaeth.* Gwasg Prifysgol Cymru. tud. 154.

*Mind*, Oct. 1932. *A Catalogue of Berkeley's Library.*

*Transactions of the Aristotelian Society*, 1932-3. *Locke's Theory of Universals.*

Critical Notices and reviews in *Mind*, *Hibbert Journal* and *Philosophy*

DR. DAN DAVIES.

Reviews in *Mind* and *Traethodydd*.

*Education.*

PROFESSOR C. R. CHAPPLE.

"Biology and the preparation of the teacher," British Council of Social Hygiene.

"The Welsh Training Colleges and League of Nations teaching" Welsh Advisory Education Council of the League of Nations Union.

"The training of teachers in Cardiganshire" N.U.T. Conference Souvenir.

MR. A. PINSENT.

"The value of pre-college teaching experience and other factors in teaching success in University students."

Pt. I. in June number of the British Journal of Educational Psychology.

Pt. II. to appear in a subsequent number.

DR. GWENAN JONES.

"Antur Fawr Paul"—a text book for ages 12-16.

"Yr Ysgol Sul a'r Plant"—a book of method for the Junior Sunday School.

Articles on Education:—

Yr Athro—"Addysg a'r Genedl."

Yr Efydydd—"Cynilo ar Addysg"; "Llanciau Diwaith";

"Llythyr i Fyfyriwr."

N.U.T. Conference Souvenir—"The Bilingual Problem."

DR. GEORGE H. GREEN.

A series of articles dealing respectively with the town, the college, and the rural background of Aberystwyth—Schoolmaster, March 31st, April 7th and 14th.

An introductory article to the N.U.T. Conference Souvenir "An Onlooker's point of view."

"Training to teach international understanding"—Educational Survey (the official Educational Review of the League of Nations).

A French version of the foregoing in the "Recueil Pédagogique"

"The Composition of 'The Raven'" a study of some aspects of aesthetic creativeness—Aberystwyth Studies.

Dr. Green's book "The Day Dream" (University of London Press) has been translated into Polish by Dr. Marja Zawadowska, with a preface by Dr. Zygmunt Ziembinski and published by Arcta of Warsaw.

*Applied Mathematics.*

PROFESSOR G. A. SCHOTT.

On the Electromagnetic Fields due to Variable Electric Charges and the Intensities of Spectrum Lines according to the Quantum Theory. Proceedings of the Royal Society, A, Vol. 139, 1933. pp. 37....56.

The Electromagnetic Field of a moving uniformly and rigidly Electrified Sphere and its Radiationless Orbits. *Philosophical Magazine*, Ser. 7, Vol. XV, p. 752, 1933.

*Physics.*

PROFESSOR GWILYM OWEN.  
"Rhyfeddodau'r Cread." (Hughes & Son, Wrexham).

*Chemistry.*

PROFESSOR T. CAMPBELL JAMES (with PROFESSOR LAURIE and PROFESSOR NEWTON).

A study of the present conditions of the River Rheidol, Ministry of Agric. and Fisheries: Standing Committee on River Pollution. Report No. 419, November, 1932.

MESSRS. C. R. BURY and D. GWYNNE DAVIES.

Specific Heats of aqueous solutions of formic, acetic, propionic and n-butyric Acids. *Journal Chemical Society*, 1932.

MESSRS. C. R. BURY and E. R. H. DAVIES.

The system Magnesium oxide—magnesium chloride—water. *Journal Chemical Society*, 1932.

Ibid. The system Magnesium Chloride—Lime—Water. *Journal Chemical Society*, 1933.

MR. D. GWYNNE DAVIES.

Specific Heat of aqueous solutions of Potassium n-octoate at 15° *Journal Chemical Society*, 1933.

DR. D. MATTHEW WILLIAMS.

The Reaction between Ethylene and Bromine in carbon tetrachloride *Journal Chemical Society*, 1932.

*Geology.*

PROFESSOR H. P. LEWIS.

A Note on the Zonal Succession of the Lower Carboniferous of Derbyshire. *Proc. Geologists' Association*. 1932.

MR. J. CHALLINOR.

The "Incised Meanders" near Ponterwyd, Cardiganshire. *Geological Magazine*. 1933.

MR. J. I. PLATT.

The Conglomerates of Allt Goch and Mathrafal-ffridd, Montgomeryshire. *Geological Magazine*. 1933.

*Zoology.*

PROFESSOR R. DOUGLAS LAURIE and DR. J. R. ERICHSEN JONES.

"A Study of the Fauna of the Lower Rheidol in Relation to Lead Pollution," being Section II of 'A Study of the Present Condition of the River Rheidol' by T. Campbell James, R. Douglas Laurie, and Lily Newton. Report of the West Wales Sub-Committee of the Standing Committee on River Pollution to the Ministry of Agriculture and Fisheries, *Min. Agric. & Fish.*, Serial No. 607. Report 419. pp. 9-24. November, 1932.

DR. E. EMRYS WATKIN.

"Studies on the Commerical Herring Shoal of the Smalls." *Rapports et Proces-Verbaux des Reunions du Conseil Permanent International pour l'Exploration de la Mer*. Vol. LXXXIV, p. 41-62. 1933.

"The Drift Herring of the South East of Ireland and its Fishery,"  
*Ibid.* pp. 63-89.

DR F. GWENDOLEN REES.

"Studies on *Cittotaenia pectinata* (Goeze 1782) from the common Rabbit *Oryctolagus cuniculus*. Part I. Anatomy and Histology" *Proc. Zool. Soc. London*, 1933. Part II pp. 239-252 pl. I-V. June 30th, 1933.

"Studies on *Cittotaenia pectinata* (Goeze 1782) from the common Rabbit *Oryctolagus cuniculus*. Part II. Developmental changes in the Egg and attempts at Direct Infestation." *Proc. Zool. Soc. London*. 1933. Part II. pp. 253-257, pl. I-II. June 30th, 1933.

DR. J. TRAVIS JENKINS.

"Whales and Modern Whaling." 239pp. 22 plates. Witherby. October, 1932.

#### Botany.

PROFESSOR L. NEWTON, in collaboration with Professors Laurie and T. C. James.

A Study of the present condition of the River Rheidol. Report to the Ministry of Agriculture and Fisheries. Serial No. 607. Report No. 419.

PROFESSOR L. NEWTON.

Plant Distribution in the Aberystwyth district. *Aberystwyth* 1933.

#### Geography and Anthropology.

PROFESSOR C. DARYLL FORDE.

Excavations in Two Iron Age Forts at Earn's Heugh, Nr. Coldingham (with Professor V. G. Childe). *Proc. Soc. Ant. Scot.* Vol. LXVI (Vol. VI Sixth Series) 1931-32, pp. 152-183.

"Ancient Cities of the Indus."

*Geography*, Vol. XVII, 1932, pp. 183-192

MR. W. E. WHITEHOUSE.

Articles on counties and cities in the British Isles (letters K.L.M.) in the *Enciclopedia Italiana*.

MR. E. G. BOWEN.

"Early Christianity in the British Isles—A Study in Historical Geography." *Geography*, Vol. XVII, December, 1932.

"The Human Geography of West Wales."

National Union of Teachers Handbook, Aberystwyth. 1933.

"The Distribution of Phthisis in relation to Race Type and Social Environment in Central Wales."

*Journal of the Royal Anthropological Institute*, Vol. LXIII, June, 1933.

"Ein Hen Drefi Hynod." *Y Ford Gron*, Medi-Hydfref, 1932.

MR. WALTER FOGG.

"The Suq: a study in the human geography of Morocco." *Geography*, Vol. XVII, December, 1932.

"A part of the West Moroccan Littoral." in *Aberystwyth Studies*, 1932.

*Agriculture.*

PROFESSOR J. JONES GRIFFITH.

"Magu a Phorthi Anifeiliaid." Welsh University Press.

PROFESSOR T. W. FAGAN, MR. R. PHILLIPS, and PROFESSOR J. JONES GRIFFITH.

Silage by the A.I.V. Process. *Journal of U.C.W. Agricultural Society*. Vol. XXII.

*Agricultural Chemistry.*

PROFESSOR T. W. FAGAN and MR. W. E. J. MILTON.

"A Comparison of the Nitrogen and Mineral Content of the Pasture, Hay and Aftermath of four grasses grown in a mixture, pure plots and pure drills." *The Welsh Journal of Agriculture* Vol. IX. 1933.

*Agricultural Botany.*

MISS K. SAMPSON.

Observations on a new species of *Olpidium* occurring in the root hairs of *Agrostis*. *Trans. Brit. Myc. Soc.* Vol. XVIII. No. 3. 1932.

The biology of oat smuts. III. The development of two biological species of *Ustilago Kolleri* (Wille) in a selection of *Avena strigosa orcadensis* (Marquand). *Ann. App. Biol.* Vol. XX. No. 2. 1933.

MR. D. WALTERS DAVIES.

The control of finger and toe in crucifers. *Brecon and Radnor Farmers' Bulletin*. Vol. 1. No. 1. 1933.

MISS A. A. POULTER.

Deficiency of the clover nodule organism on some Welsh soils. *Welsh Journ. Agric.* Vol. IX. 1933.

*Agricultural Economics.*

PROFESSOR A. W. ASHBY and MR. J. P. HOWELL.

Dairying on Second Class Land: An Examination of Changes in Farming. *Welsh Journ. Agric.* Vol. 9. 1933.

PROFESSOR A. W. ASHBY and MR. W. H. JONES.

Costs of Production and Prices of Milk: A study of Some Tendencies. *Welsh Journal of Agric.* Vol. 9. 1933.

Light, Heat and Power on Farms: A Study of Uses of Electricity in South Wales. *The Welsh Housing and Development Year Book*, 1933.

MR. J. P. HOWELL.

Farmers' Cost of Milk Delivery in Wales. *Welsh Journ. of Agric.* Vol. 9. 1933.

MR. J. LL. DAVIES.

Manual Labour Requirements of Livestock on Welsh Farms. *Welsh Journ. of Agric.* Vol. 9. 1933.

Financial Aspects of Glasshouse Production. *Welsh Journ. of Agric.* Vol. 9. 1933.

Some Aspects of Consumption, Supplies and Prices of Tomatoes and Cucumbers. *Welsh Journ. of Agric.* Vol. 9. 1933.



MR. J. G. WILLIAMS.

The Future of Co-operative Marketing of Farm Produce in Wales.  
*Welsh Journ. of Agric.* Vol. 9. 1933.

Memorandum on the Position of Landowners under the Agricultural Marketing Schemes. 12 pp. (Published by the Department).

MR. W. H. JONES.

Light and Power on Farms: A study of Uses of Electricity in South Wales. 22 pp. Published by the Department.

Rural Electrification. *The Electrical Review*. June, 1933.

Report of Conference on Development of Agricultural Co-operative Business. (Mimeographed). May, 1932. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents*: R. A. ANDERSON. A brief sketch of the life and work of Horace Plunkett.

J. H. DOWLE. Grinding and Mixing Balanced Rations.

MATTHEW THOMAS. Functions and Duties of the Committee of a Co-operative Society.

J. GLYNNE WILLIAMS. New Developments in Co-operative Organisation and Finance.

Report of Conference on Development of Agricultural Co-operative Business. (Mimeographed). October, 1932. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents*: H. D. VIGOR. The Wheat Act, 1932.

A. W. ASHBY. The Prospects of Trade in Feedstuffs and Fertilisers.

R. HENDERSON. The Market for Fertilizers, 1932.

J. GLYNNE WILLIAMS. Suggestions of Superannuation Schemes for Co-operative Employees.

THOMAS LEWIS. Stocktaking and the Principles of Valuation in Co-operative Accounting.

*Farm and Market*. Vol. 3. No. 3. Published by the Department.

*Agricultural Business*. Vol. 1. No. 7. Vol. 1. No. 8.

Memorandum on the Position of Farmers' Co-operative Societies dealing in Milk in relation to Scheme for Regulating the Marketing of Milk. (10 pp. cyclostyled, published by the Department).

Memorandum on the Position of North Wales Certified Seed Potato Growers under the Potato Marketing Scheme. (4 pp., cyclostyled, published by the Department).

#### *Dairy Bacteriology.*

MR. S. B. THOMAS and MISS P. M. HICKSON.

"Bacteriological examination of milk from Welsh County Clean Milk Competitions." *Welsh Journ. Agric.* Vol. 9. 1933.

MR. S. B. THOMAS and MISS P. M. HICKSON.

"Monthly variations in the fat content of milk from Welsh farms." *Welsh Journ. Agric.* Vol. 9. 1933.

# ANNUAL REPORT OF THE COUNCIL TO THE COURT.

## GENERAL.

The Sixty-first Annual Report of the Council deals mainly with events in the College between 1st July, 1932, and 30th June, 1933.

The total number of students, including Short Course students, who passed through the College during the past session was 861.

## STAFF.

The following appointments were made during the session :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. V. C. Morton, M.A.	Professor.	Pure Mathematics.
Mr. Thomas Lewis, M.Sc.	Independent Lecturer	Applied Mathematics.
Mr. Moses Griffith, M.Sc.	Land Director.	Welsh Plant Breeding Station Cahn Hill Improvement Scheme.
Mr. D. Gwynne Davies, Ph.D.	Assistant Lecturer.	Chemistry.
Mr. T. E. Garstang, M.Sc.	Assistant Lecturer.	Applied Mathematics.
Mr. Eric S. Budden, M.A.	Temporary Assistant Lecturer.	Philosophy.
Mr. Thomas Jones, B.A.	Temporary Assistant Lecturer.	Welsh.
Dr. Helmut Freytag.	Part-time Assitant.	German.
Mlle. A. B. Valour.	Part-time Assistant.	French.
Mr. Francis H. Warren.	Temporary Part-time Teacher of Design.	Art and Crafts.
Miss May Jones.	Manageress.	Students' Union Refectory.

Mr. Dan R. Jones, M.A., has been made the Head of the Department of Art and Crafts and Mr. Frank Bassett has been transferred from the Education Department to be Part-time Instructor in Woodwork in the Department of Art and Crafts.

The following temporary appointments have been renewed for the Session 1933/34 :—

Mr. Walter Fogg, M.A.	Temporary Assistant Lecturer.	Geography and Anthropology.
Miss A. A. Poulter, B.Sc.	Temporary Assistant Lecturer.	Agricultural Botany.
Miss M. Hubbard, B.Sc.	Demonstrator.	Botany.
Miss Gwen Davies.	Part-time Assistant.	Art and Crafts.
Mr. Handel Edwards, B.A.	Part-time Assistant.	German.

(For first two terms).

The undermentioned appointments terminated during the Session 1932/33 :—

Professor G. A. Schott, B.A., D.Sc., F.R.S.	Professor.	Applied Mathematics.
Dr. D. Matthew Williams.	Assistant Lecturer.	Chemistry.
Dr. Ludwig Schenk.	Part-time Assistant.	German.
Mr. Victor Delemar.	Part-time Assistant.	French.
Miss M. F. Bassett.	Manageress.	Students' Union Refectory.

### GIFTS.

In addition to many gifts in kind to various Departments, the following donations and subscriptions were received during the year :—

<i>Donor.</i>	<i>Purpose.</i>	<i>Amount.</i>
		£ s. d.
Sir Julien Cahn.	Welsh Plant Breeding Station, Cahn Hill Improvement Scheme ... ..	3000 0 0
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J. Davies Bryan, Esq.	Robert Bryan Music Scholarship	25 0 0
His Grace The Duke of Westminster, D.S.O.	General ... ..	13 6 8
Anonymous.	Loans to Students ... ..	90 0 0
Sundry Persons.	Visitors' Scholarship ... ..	38 14 11
General Federation of Trade Unions.	Loans to Students ... ..	10 0 0
Sir Robert Armstrong-Jones.	Penglais Development Fund ...	21 0 0

### SPECIAL LECTURES.

Public Lectures were delivered during the session by :—

<i>Lecturer.</i>	<i>Subject.</i>
Cyril Norwood, Esq., M.A., D.Litt., Headmaster of Harrow School.	"National Unity" (Inaugural Lecture)
Professor J. Garstang, M.A., D.Sc., Hon. LL.D.	"The Discoveries at Jericho."
Dr. Robert Eisler.	"The World Economic Crisis and the Monetary Remedy for it."
Professor R. I. Aaron, M.A., D.Phil.	"The Place of Philosophy in Contem- porary Welsh Life."
Professor E. J. Wood, M.A.	"The Golden Mean in Latin Liter- ature."
Professor Jerome D. Green, M.A.	"International Co-operation for Peace."
Professor Edward Bensly, M.A.	"An Old Book of Stories."
Sir Arthur Salter, K.C.B.	"Is a planned society compatible with political freedom?"
Professor E. A. Milne, M.B.E., M.A., D.Sc., F.R.S.	"World Structure."
Professor Etienne Gilson, D.Litt., LL.D.	"St. Bernard and the Rise of Western Mysticism."

### INTERCHANGE OF TEACHERS.

The following lectures were given during the session under the scheme for the interchange of teachers :—

<i>Department.</i>	<i>Lecturer.</i>	<i>Subject.</i>	<i>No. of Lectures.</i>
Welsh.	Professor W. J. Gruffydd. (Cardiff).	“ Y Mabinogion.”	Four.
Economics.	Mr. J. Morgan Rees. (Bangor).	‘ Monetary Policy and the Price Level.’	Three.

### SUMMER SCHOOLS.

The College buildings were utilised for Summer School purposes in 1933 by the Educational Handwork Association. In addition, the halls of residence were used as a holiday centre by the National Young Life Campaign, the Workers' Educational Association and the School of Clergy.

### TRAVELLING SCHOLARSHIPS.

Grants were made to 55 present students of the College to enable them to visit many parts of Europe for purposes of study and research.

### COURSE OF INSTRUCTION IN LAW.

The Special Course for Articled Clerks at Rhyl was again conducted in co-operation with the authorities of the University College of North Wales, Bangor.

### DEPARTMENT OF AGRICULTURE—SPECIAL GRANT.

The University Council have increased the Special Grant from the Daniel Radcliffe Fund from £200 to £250.

## UNIVERSITY OF WALES PRESS BOARD.

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**BULLETIN OF THE BOARD OF CELTIC STUDIES.**

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**THE MEDIAEVAL BOROUGHES OF SNOWDONIA. A Study of the rise and development of the municipal element in the ancient principality of North Wales and down to the Act of Union in 1536.**

By E. A. LEWIS, M.A., D.Litt., Sir JOHN WILLIAMS Professor of Welsh History, U.C.W., Aberystwyth. 1912. 8vo., pp. xviii, 320. Cloth 7s. 6d.

**TEXTS FROM WELSH MSS.**

**The Laws of Howel Dda, Llanstephan. MS.** 116; ed. by T. LEWIS, M.A., Reader in Celtic Palaeography in the U.C.W., Aberystwyth, 1912. Super Roy., 8vo., pp. xviii, 124. Buckram, 12s. 6d.; or printed on Jap vellum (20 copies only), half-vellum, £2 2s. 0d.

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**HANES ATHRONIAETH, O DESCARTES I HEGEL.**

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Gan yr Athro J. JONES GRIFFITH, B.Sc. (Cyfres y Brifysgol a'r Werin) 2s. 6d.

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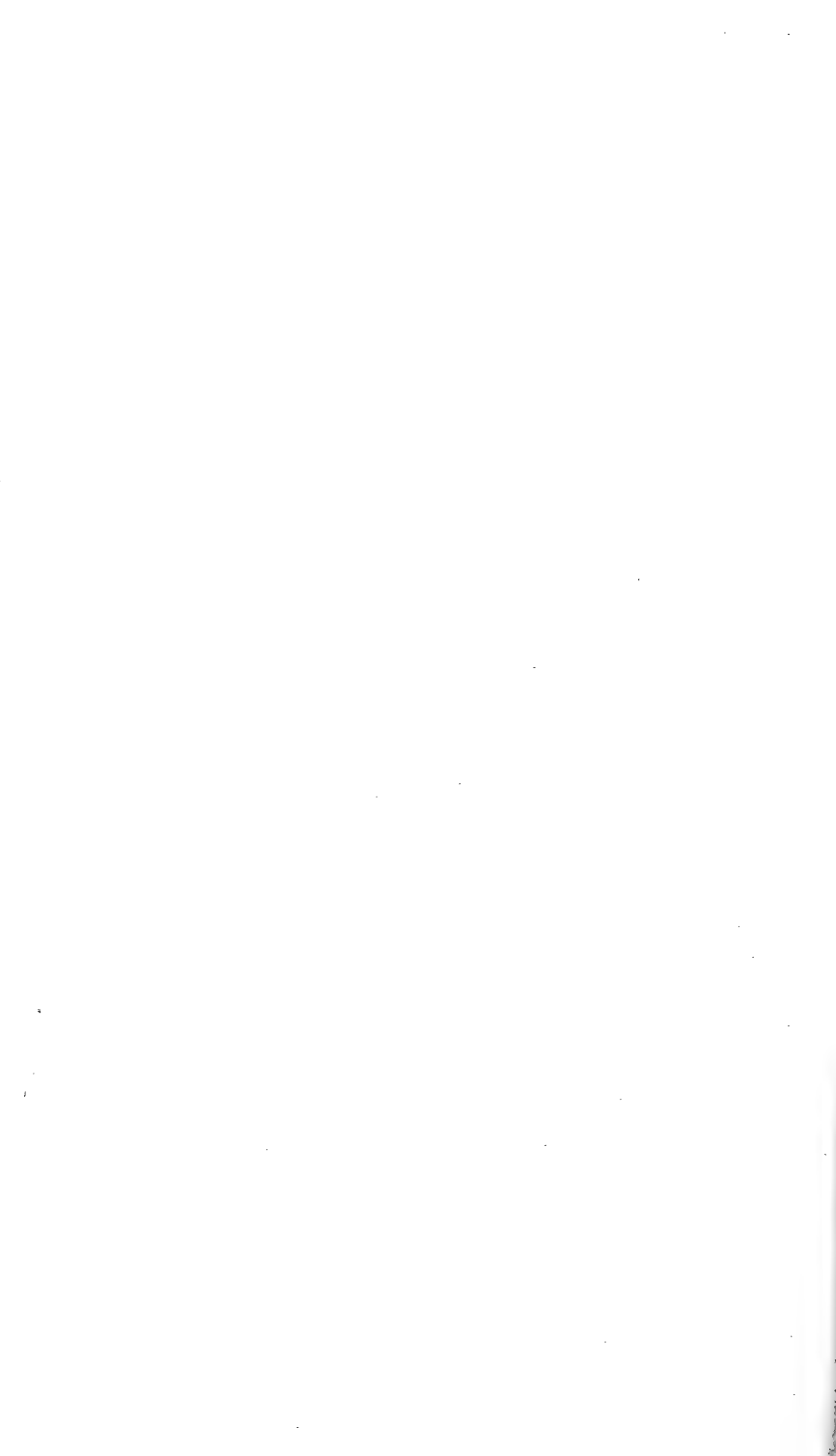
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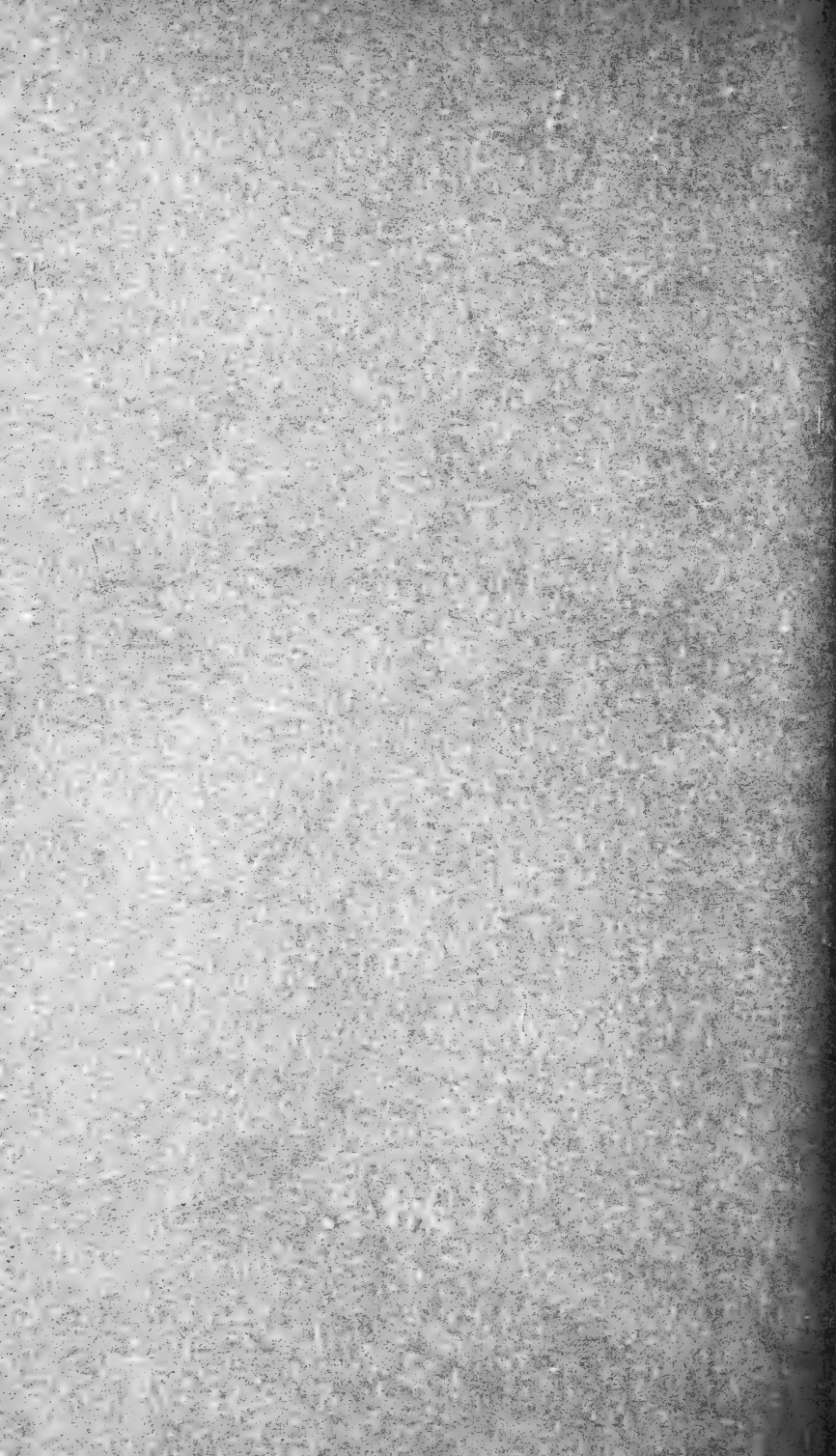
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NOTE.—*These Reports are issued in lieu of the College Calendar for the Sixty-third Session, 1934-35.*



EXTRACT FROM THE LATE MR. W. E. GLADSTONE'S  
SPEECH AT NOTTINGHAM.

The *Times* of September 28th, 1877.

Let me point to another case with which I am personally acquainted, to show you that wherever primary education is loved, the higher education must be loved and taught also. I speak of the country of Wales, in which I have the happiness to spend a large portion of my time ; and there is no part of the population of the country—and I say it freely and boldly in your hearing—there are few parts which can compete with Wales, and there is no part which can exceed it, from one end of the island to the other, in the earnest, ardent, and, I may say, passionate love for instruction. They are a religious people, and a people deeply enamoured of knowledge, and what they have done has been done with very little assistance. With no assistance at all from any public fund of any kind, they have, within the last five or six years, founded a large and important College at Aberystwyth. Is it possible for you to have a stronger proof that the existence of a love for primary education does lead on, and must lead on, to every great effort for the establishment of higher education ?

## FORM OF BEQUEST.

I give and bequeath to the Treasurers, for the time being, of the University College of Wales, Aberystwyth, the sum of \_\_\_\_\_ (Free of Legacy Duty) for the purposes of the said College, out of such part only of my personal estate as may lawfully be bequeathed for charitable purposes, and preferable to all payments thereout ; for which Legacy the receipt of the Treasurers, for the time being, of the said College shall be a sufficient discharge to my Executors.

FORM OF BEQUEST OF RESIDUE, OR SHARE OF  
RESIDUE.

I give and bequeath all (or if so intended one equal share of) the residue of such part of my personal estate as I may lawfully bequeath for charitable purposes unto the Treasurers, for the time being, of the University College of Wales, Aberystwyth, for the purposes of the said College, and I direct that the receipt of such Treasurers shall be a sufficient discharge for the same.

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<b>Music</b> .....	Professor: D. J. DE LLOYD, B.A., B.Mus. (Wales), Mus. Doc. (Dublin). Assistant Lecturer: CHARLES CLEMENTS, B.Mus. (Wales), F.R.C.O. The Assistant Staff of Executants and Teachers includes:— WILLIAM R. ALLEN, A.R.C.M., Tagore Gold Medallist, Royal College of Music. (Singing). HUBERT DAVIES, A.R.A.M. (Violin). A. C. EDWARDS, Mus. Bac. (Oxon.), F.R.C.O. (Organ). G. STEPHEN EVANS, A.R.C.O. (Class-Singing, Choir Conducting). J. T. REES, Mus. Bac. (Tor.), (Harmony, Counter- point).
<b>Art and Crafts</b> .....	Acting Head of Department: Professor C. R. CHAPPLE, M.A. (Lond). Assistant Lecturer: R. L. GAPPER, B.Sc. (Wales), A.R.C.A. Part-time Assistant: Miss GWENHWYFAR DAVIES.

- Law** ..... { Professor: T. ARTHUR LEVI, M.A., B.C.L. of Lincoln College, Oxford, LL.B. (Lond.); and of the Inner Temple, Barrister-at-Law.  
Special Lecturers (under Solicitors Act, 1922): J. VICTOR EVANS, M.A., of St. John's College, Oxford; and of the Inner Temple, Barrister-at-Law; R. A. WING, B.A., LL.B. of Trinity Hall, Cambridge.  
Assistant Lecturer: W. H. D. Winder, B.A. (Oxon.), LL.M. (Lond.).
- Pure Mathematics** ..... { Professor: V. C. MORTON, M.A. (Oxon).  
Lecturer: D. R. WILLIAMS, M.A. (Wales), Ph.D. (Strasbourg).  
Assistant Lecturer: Miss DOROTHY S. MEYLER, M.Sc. (Wales).
- Applied Mathematics** ..... { Independent Lecturer and Head of Department: THOMAS LEWIS, M.Sc. (Wales).  
Assistant Lecturers: T. E. GARSTANG, M.Sc. (Lond.); Miss DOROTHY S. MEYLER, M.Sc. (Wales).
- Physics** ..... { Professor: GWILYM OWEN, M.A. (Cantab.), M.Sc. (Manchester), D.Sc. (Liverpool).  
Professor (*Emeritus*): D. MORGAN LEWIS, M.A., of Trinity College, Cambridge.  
Lecturers: R. M. DAVIES, M.Sc. (Wales); I. C. JONES, M.Sc. (Wales).  
Assistant Lecturer: D. A. RICHARDS, M.Sc. (Lond.).  
Technical Assistant: L. E. SULSTON, A.I.E.E.
- Chemistry** ..... { Professor: T. CAMPBELL JAMES, M.A. (Cantab.), D.Sc. (Wales), F.I.C.  
Senior Lecturers: C. R. BURY, M.A., B.Sc., of Trinity College, Oxford; L. J. HUDLESTON, M.C., B.Sc. (Lond.).  
Assistant Lecturer and Demonstrator: D. GWYNNE DAVIES, B.Sc., Ph.D. (Wales).
- Zoology (including Agricultural Zoology)** ..... { Professor: R. DOUGLAS LAURIE, M.A., of Merton Collège, Oxford.  
Lecturer: E. E. WATKIN, B.Sc., Ph.D. (Wales).  
Assistant Lecturers: Miss F. G. REES, B.Sc., Ph.D. (Wales); J. R. ERICHSEN JONES, B.Sc., Ph.D. (Wales).  
Special Lecturer in Entomology: J. R. W. JENKINS, M.Sc. (Wales).  
Hon. Lecturer in Oceanography: J. TRAVIS JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Superintendent of the Lancashire and Western Sea Fisheries.
- Geography and Anthropology** ..... { Professor: C. DARYLL FORDE, B.A., Ph.D. (Lond.).  
Special Lecturer in Geography: W. E. WHITEHOUSE, M.Sc. (Wales), late Gilchrist Student in Geography.  
Assistant Lecturers and Demonstrators: E. G. BOWEN, M.A. (Wales); WALTER FOGG, M.A. (Manchester).  
Hon. Lecturer in Oceanography: J. TRAVIS JENKINS, D.Sc. (Wales), Ph.D. (Kiel); Superintendent of the Lancashire and Western Sea Fisheries.

<b>Botany</b> .....	{ Professor : Mrs. L. NEWTON, M.Sc., Ph.D. (Bristol). Lecturers and Demonstrators : E. H. CHATER, M.Sc. (Wales), B.Sc. (Lond.); P. W. CARTER, M.Sc. (Wales). Demonstrator : Miss MADELINE HUBBARD, B.Sc. (Lond.).
<b>Geology</b> .....	{ Professor : H. P. LEWIS, M.A. (Cantab.). Lecturers : J. CHALLINOR, M.A., of Trinity College, Cambridge; J. I. PLATT, M.Sc. (Man- chester).
<b>Agriculture</b> .....	{ Professor : J. JONES GRIFFITH, B.Sc. (Wales). Lecturer : RICHARD PHILLIPS, M.Sc. (Wales), A.I.C.
<b>Agricultural Chemistry</b> .....	{ Professor : T. W. FAGAN, M.A. (Cantab.), F.I.C. Lecturer : R. O. DAVIES, M.Sc. (Wales).
<b>Agricultural Economics</b> .....	{ Professor : A. W. ASHBY, Hon. M.A. (Oxon.).
<b>Agricultural Botany</b> .....	{ Professor : R. G. STAPLEDON, C.B.E., M.A., of Emmanuel College, Cambridge. Lecturer : Miss K. SAMPSON, M.Sc. (Lond.). Assistant Lecturer : WILLIAM ELLISON, B.Sc. (Durham).
<b>Advisory Chemist</b> .....	{ Professor T. W. FAGAN, M.A. (Cantab), F.I.C. Adviser : Professor A.W. ASHBY, Hon.M.A. (Oxon.), <i>Farm Management and Accounting</i> : Assistant Adviser : J. PRYSE HOWELL, M.Sc. (Wales). Technical Assistant : W. H. JONES, M.Sc. (Wales).
<b>Advisory Economics</b> .....	{ <i>Marketing</i> : Marketing Assistant (Co-operation) : W. H. JONES, M.Sc. Special Marketing Assistant : E. LLEWELYN HARRY, M.Sc. (Wales). Technical Assistant : JOSEPH SMITH, B.Sc. (Wales).
<b>Adviser in Agricultural Zoology</b> .....	{ J. R. W. JENKINS, M.Sc. (Wales).
<b>Advisory Mycologist</b> .....	{ D. W. DAVIES, B.Sc. (Wales).
<b>Advisory Dairy Bacteriologist</b> .....	{ S. B. THOMAS, M.Sc. (Wales).
<b>Director of College Farm</b> .....	{ Professor J. JONES GRIFFITH, B.Sc. (Wales).
<b>Agricultural Book- keeping</b> .....	{ Instructor : E. B. HICKS, A.S.A.A.
<b>Dairying</b> .....	{ Instructor : G. T. MORGAN, N.D.A., N.D.D. Assistant Instructress : Miss M. PHILLIPS.
<b>Veterinary Hygiene</b> .....	{ Instructor : A. PARRY, M.R.C.V.S.
<b>Land Surveying, Agricultural Drawing and Building Construction</b> .....	{ Instructor : G. T. BASSETT, A.R.I.B.A.
<b>Agricultural Engineering</b> .....	{ Instructor : R. PHILLIPS, M.Sc. (Wales), A.I.C.
<b>Welsh Plant Breeding Station</b> .....	{ Director : Professor R. G. STAPLEDON, C.B.E., M.A. (Cantab.). Research Workers in charge of Investigations : T. J. JENKIN, D.Sc. (Wales); R. D. WILLIAMS, M.Sc. (Wales); E. T. JONES, M.Sc. (Wales);



**Welsh Plant Breeding  
Station—contd.** .....

WILLIAM DAVIES, M.Sc. (Wales); GWILYM EVANS, M.Sc. (Wales); LL. IORWERTH JONES, B.Sc. (Wales)  
Land Director Cahn Hill Improvement Scheme: MOSES GRIFFITH, M.Sc. (Wales).  
Grassland Adviser: M. T. THOMAS, B.Sc. (Wales).  
Assistants: A. R. BEDDOWS, M.Sc. (Wales); W. E. J. MILTON, M.Sc. (Wales), N.D.A.  
Translator: Miss RHODA JONES, B.A. (Wales).  
Superintendent of Farm and Gardens: J. W. WATKINS.

**County Organisers of  
Agricultural Education** }

*Breconshire and Radnorshire*: WILLIAM EVANS, B.Sc. (Wales), N.D.D.  
*Cardiganshire*: D. J. MORGAN, B.Sc. (Wales).  
*Carmarthenshire*: Principal J. LEWIS LLOYD, M.Sc. (Wales); Vice-Principal A. D. THOMAS, B.Sc. (Wales), of the Pibwrlwyd Farm Institute,  
*Merionethshire*: EDWIN JONES, M.Sc. (Wales).  
Assistant: E. E. WILLIAMS, B.Sc. (Wales).  
*Montgomeryshire*: J. L. JOHN, B.Sc. (Wales).  
*Pembrokeshire*: W. E. D. JONES, M.A. (Cantab.).

**Physical Training** ....

Instructors: Major H. F. STIMSON, Diploma of Sheffield Physical Training College; Miss B. G. ARNOLD, Diploma of Bedford Physical Training College.

**Department of Extra-  
Mural Studies** .....

Director: The Rev. HERBERT MORGAN, M.A. (Oxon.), B.A. (Wales).  
Resident Staff Tutors: T. HUGHES GRIFFITHS, M.A. (Wales), Dr. rer pol. (Giessen); D. HUGHES LEWIS, B.A. (Wales).  
Part-time Tutors: E. G. BOWEN, M.A. (Wales); DAN DAVIES, M.A. (Wales), Ph.D. (Glas.); Mrs. GWEN E. DAVIES, B.A. (Wales); R. M. DAVIES, M.Sc. (Wales); The Rev. T. EIRUG DAVIES, M.A., B.D. (Wales); J. VICTOR EVANS, M.A. (Oxon.); PERCY GEORGE, M.A. (Cantab.), M.Sc. (Wales); HORACE GORDON, B.Sc. (Wales); Mrs. FRANCES GRIFFITHS, B.A. (Wales); E. LL. HARRY, M.Sc. (Wales); A. HAYDN JONES, M.Mus. (Wales); E. D. JONES, B.A. (Wales); Dr. GWENAN JONES, M.A. (Wales); IDWAL JONES, B.A. (Wales); The Rev. O. H. JONES, M.A. (Oxon.), B.D. (Wales); THOMAS JONES, B.A. (Wales); T. HUGHES JONES, M.A. (Wales); W. H. JONES, M.Sc. (Wales); W. R. JONES, M.A. (Wales); The Rev. WALDO LEWIS, B.A. (Wales); The Rev. HERBERT MORGAN, M.A. (Oxon), B.A. (Wales); The Rev. J. DYFNALLT OWEN, M.A. (Wales); The Rev. R. J. PRITCHARD, M.A. (Wales); R. RICHARDS, B.A. (Cantab.); The Rev. Prof. J. OLIVER STEPHENS, M.A. (Cantab.), B.A., B.D. (Wales); J. GLYNNE WILLIAMS, B.Sc. (Wales), M.S. (Wisc.); The Rev. Prof. W. R. WILLIAMS, B.A. (Wales), M.A. (Oxon.); R. A. WING, B.A., LL.B. (Cantab.).

**ADMINISTRATION.**

Chairman of the Faculty of Arts : Professor R. B. FORRESTER, M.A.  
(Edin.), M.Com. (Manch.).  
Chairman of the Faculty of Science : Professor R. D. LAURIE, M.A. (Oxon.).

**SECRETARY'S DEPARTMENT.**

Secretary	E. B. Hicks, A.S.A.A.
Cashier and Chief Clerk	R. Jones.
Chief Clerk, Training Department and Department of Extra-Mural Studies	W. Lewis.
Principal's Secretary	Ll. T. Jones.
Finance Clerk	E. Hamer.
Committee and Confidential Clerk	Ll. Roberts.
Account's Clerk	S. Ll. Jenkins.
General Clerk	D. H. Jenkins.
Junior Clerks	J. W. Hughes.
	O. Edwards.
Office Boy	E. Richards.

**ACADEMIC SECRETARY'S DEPARTMENT.**

Academic Secretary	G. J. Walker.
Academic Clerk	Miss M. M. Evans, B.A. (Wales.).
Second Academic Clerk	H. Oliver.
Junior Clerk	Miss D. Farrow.

**AGRICULTURAL DEPARTMENT.**

Chief Clerk	A. Pugh.
General Clerk	D. R. Evans.
Office Boys	D. E. W. Ellis.
	G. Francis.

**AGRICULTURAL ECONOMICS DEPARTMENT.**

Chief Clerk	D. B. Garner
General Clerks	G. O. Williams
	B. Jones.

**WELSH PLANT BREEDING STATION.**

Secretary	J. O. Parry-Williams.
Recorder	Miss Irene D. Rees.
Clerk	Miss Enid M. Jones.
Junior Clerk	J. D. N. H. Humphreys.

**INTERNATIONAL POLITICS DEPARTMENT.**

Clerk	Miss J. E. Morris.
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**GEOGRAPHY DEPARTMENT.**

Clerical Assistant	Miss Hilda Edwards.
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**ECONOMICS DEPARTMENT.**

Clerical Assistant	Miss C. G. Hughes.
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**College Library.**

College Librarian	Arthur ap Gwynn, M.A. (Wales).
Sub-Librarian	Miss E. C. Felstead, F.L.A.
Library Assistant	Miss E. M. Harris.
Assistant	Miss N. Meredith.

**Wardens of the Halls of Residence for Women Students.**

Senior Warden and Warden of Alexandra Hall	Mrs. K. GUTHKELCH, B.A. (Lond.).
Warden of Carpenter Hall	Miss C. J. MACGREGOR.
Warden of Plynlymon Hall	Mrs. E. C. HART.

# REPORT.

1933—1934

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The Council have much pleasure in presenting the Report of the work of the College in its several Departments during the year ending 30th June, 1934, and, as usual, begin with :—

## THE PRINCIPAL'S REPORT.

It is my duty, in the first place, to follow the practice of former years by presenting to the Council the following tabulated statements :—

### I.

1. Number of students at opening of session, Michaelmas Term, 1934	822
2. Number of students at the beginning of Michaelmas Term, 1933	801
3. Number of new students at the beginning of Michaelmas Term, 1934 (142 men ; 74 women)	216
4. Number of new students at the beginning of Michaelmas Term, 1933 (144 men, 74 women)	218
5. Number of women students at the beginning of Session 1934-1935	245
6. Number of women students at the beginning of Session 1933-1934	252

II. Number of Students from the various Counties in Wales and from Monmouthshire :—

### (1) NORTH WALES :—

	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934
Anglesey	2	1	1	2	—	2
Caernarvonshire	19	22	18	24	21	24
Denbighshire	28	33	31	32	25	22
Flintshire	9	8	6	12	10	11
Merionethshire	30	27	25	28	30	29
Montgomeryshire	28	33	35	42	40	43
	—116	—124	—116	—140	—126	—131

## (2) SOUTH WALES AND MONMOUTHSHIRE :—

	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934
Breconshire .....	12	13	20	23	17	17
Cardiganshire .....	116	109	119	123	130	146
Carmarthenshire .....	91	108	116	132	143	136
Glamorganshire .....	225	221	237	248	221	244
Pembrokeshire .....	34	30	30	40	31	28
Radnorshire .....	5	3	5	3	5	4
Monmouthshire .....	55	61	76	77	71	60
	—538	—545	—603	—646	—618	—635

## (3) ADD TO THESE :—

	Session 1929	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934
From England, including Welsh and English students .....	54	50	34	37	50	44
From India .....	13	14	9	10	5	8
„ Burma .....	—	—	2	1	—	1
„ Canada .....	1	1	—	—	—	1
„ New Zealand .....	—	1	—	—	—	—
„ Germany .....	1	—	—	—	2	—
„ Scotland .....	—	—	—	—	—	1
„ China .....	—	—	—	—	—	1
	—69	—66	—45	—48	—57	—56
	<u>723</u>	<u>735</u>	<u>764</u>	<u>834</u>	<u>801</u>	<u>822</u>
Students taking Short Course in Agriculture .....	18	12	14	10	10	21
	<u>741</u>	<u>747</u>	<u>778</u>	<u>844</u>	<u>811</u>	<u>843</u>

## III. Summary of the number of students in the various classes for Session 1934-35 :—

Greek, 51. Latin, 96. English, 193. History, 177. Welsh History, 23. Economics, 157. Welsh, 94. Welsh Literature, 11. French, 118. German, 95. Philosophy, 83. Education, 22. Pure Mathematics, 70. Applied Mathematics, 32. Chemistry, 70. Physics, 59. Botany, 82. Zoology, 81. Geology, 106. Geography, 142. Agriculture, 64. Agricultural Chemistry, 61. Agricultural Botany, 49. Agricultural Economics, 7. Law, 71. Music, 71. Dairying, 21. Agricultural Short Course, 21. International Politics, 10. Art and Handicraft (Training Students 51, Diploma 6, Degree 4), 61. Professional Training 74.

IV. The number of Students taking complete University Courses is 700.—(First Degree 659, Post Graduate 41).

A.—Grants out of the Travelling Scholarship Fund were made to the following:—

	(i) FOR THE EASTER VACATION.	
	Lewis Ifor Lewis	£15
	Sudhindra Chandra Ray	£10
	(ii) FOR THE SUMMER VACATION.	
<i>Latin :</i>	David Lyndhurst Jenkins	£8
	Annie Elizabeth Rees	£8
<i>English :</i>	Christo Lefterios Germanacos	£10
	Margaret Monica Elizabeth Morgan	£5
<i>Welsh :</i>	Harold John Charles	£5
	Eluned Davies	£5
	Rhys Penri Davies	£5
	Evan Emrys Evans	£5
	Evan Gwyndaf Evans	£5
	Garfield Hopkin Hughes	£5
	Mair Elvira Thomas	£5
	William Ernald Thomas	£5
	John Evans Davies	£5
<i>Welsh Literature :</i>	Glyn Rhys Hughes	£8
<i>French :</i>	Gwendoline Mary Bagnell	£10
	Arnold Vernon Davies	£10
	Frances Glenys Edwards	£10
	Jessie Elizabeth Mary Edwards	£10
	Mair Eirwen Mererid James	£10
	Gwenllian Parry Jones	£10
	Oliver Edward Saunders	£10
<i>German :</i>	Gershon Abraham Aaron Adler	£12
	Hugh Thomas Ellis Evans	£12
	John Wigley Gronow	£12
	Arianwen Rowena Llewellyn	£12
	John Evans Morris	£12
<i>Education :</i>	Daisy Martin	£5
<i>History :</i>	Alun Davies	£8
	Philip George Sudbury	£8
	Rachel Margaret Rhydderch Sutton	£8
<i>Philosophy :</i>	John Robert Jones	£8
<i>Economics :</i>	Arthur Beacham	£8
	Olwen Mary Griffiths	£8
	William Brynmor Jones	£8
<i>Arts and Crafts :</i>	Betty Winfield Atkins	£12
	Jean Jones Davies	£12
	Catherine Muriel Lloyd	£12
<i>Music :</i>	Davey Davies	£8
<i>Law :</i>	Alun Davies	£8
	Clement Owen Jones	£8
	Winston Guthrie Jones	£8
<i>Geography :</i>	Oswald Beynon	£8
	William James Hyde	£8
	Ann Elizabeth Lewis	£10
	Frank Lewis Templeman	£8
	George Williams	£6
	Howell Watkins	£8
<i>Mathematics :</i>	Mary Blackledge	£5
	Olwen Hannah Richards	£5
	William George King	£7
	Harry Thomas	£8

<i>Physics</i> :	David Handel Landon	£8
<i>Chemistry</i> :	John Vernon Davies	£8
	Morgan David Owen	£8
	Robert David John Owens	£8
<i>Chemistry with Agricultural Chemistry</i> :	John Stephen Hopkins	£8
<i>Agricultural Botany</i> :	Henry Edmunds	£8
<i>Zoology</i> :	William Charles Rees	£10
<i>Geology</i> :	Goronwy Hopkin Daniel	£8
	Austin William Woodland	£10

B.—College Scholarships and Exhibitions were renewed to the following :—

FIRST YEAR, RENEWABLE FOR A SECOND YEAR.

Benjamin John Griffiths.		
<i>Commercial Travellers Scholarship</i>	£20	
William Idris Williams.		
<i>Pritchard Scholarship</i>	£17	
Sulwyn Albert Mons Lewis.		
<i>Dr. David Thomas Scholarship</i>	£25	
Hetty King Davies.		
<i>Sir Alfred Jones Scholarship</i>	£10	
Gwyneth Margaret Lilian Harley.		
<i>Sir Alfred Jones Scholarship</i>	£10	
Eileen Mary Payne.		
<i>Sir Alfred Jones Scholarship</i>	£20	
David Howard Evans.		
<i>Joseph Thomas Scholarship</i>	£20	
John Ewart Davies.		
<i>Caterham Scholarship.</i>	£25	
Thomas Eilir Wynne Evans.		
<i>R. H. Richards Scholarship</i>	£20	
John Cyril Courtman.		
<i>David Jenkins Scholarship</i>	£25	
Elizabeth Megan Rees.		
<i>Mynyddog Scholarship</i>	£15	
Gwilym Emrys Roberts.		
<i>Mrs. Clarke Scholarship</i>	£45	
Inigo Jones.		
<i>Lewis Thomas Scholarship</i>	£35	
Ronald Davies.		
<i>Price Davies Scholarship</i>	£25	
Elfyn John Richards.		
<i>Price Davies Scholarship</i>	£25	
Megan Ogwen Davies.		
<i>Price Davies Scholarship</i>	£25	

SECOND YEAR RENEWABLE FOR A THIRD YEAR.

John Arthur Jones.		
<i>David Davies Scholarship</i>	£40	
Alun Davies.		
<i>Commercial Travellers Scholarship</i>	£20	
Aubrey Gwynne Batt.		
<i>Keeling Scholarship</i>	£25	

Alun Lewis.				
<i>Mold Eistedfodd Scholarship</i>	....	....	....	£17
Morfudd Morris.				
<i>Pritchard Scholarship</i>	....	....	....	£17
Frank Templeman.				
<i>Brevelton Scholarship</i>	....	....	....	£10
Ronald Stanley Short.				
<i>Sir Alfred Jones Scholarship</i>	....	....	....	£20
Jessie Elizabeth Mary Edwards.				
<i>Sir Alfred Jones Scholarship</i>	....	....	....	£20
Oswald Beynon.				
<i>Joseph Thomas Scholarship</i>	....	....	....	£17
Annie Elizabeth Rees.				
<i>Elizabeth Davies Scholarship</i>	....	....	....	£20
John Arthur Rogers.				
<i>Caterham Scholarship</i>	....	....	....	£25
Benjamin George Jones.				
<i>R. H. Richards Scholarship</i>	....	....	....	£20
Cyril Raymond Williams.				
<i>Ellis Eyton Scholarship</i>	....	....	....	£10
Ethel Williams.				
<i>Price Davies Scholarship</i>	....	....	....	£25
David Lyndhurst Jenkins.				
<i>Price Davies Scholarship</i>	....	....	....	£25

## FOURTH YEAR AWARD.

John Vernon Davies.				
<i>Caterham Scholarship</i>	....	....	....	£25

C.—The following Exhibitions and Scholarships have been awarded for Session 1934-1935 on the results of the Entrance Scholarship Examination held in April, 1934.

## OPEN SCHOLARSHIPS.

*David Davies Scholarship* (£40).

Thomas Vivian Davies, Cyfarthfa Castle Secondary School.

*Price Davies Scholarships* (£25 each).

Mary Cynthia Jones, Tasker's High School, Haverfordwest.

George Ronald Richards, Aberystwyth County School.

*Commercial Travellers Scholarship* (£20).

Stanley Llewellyn Awberry, Barry County School.

*Pritchard Scholarship* (£17).

Alexander Wm. McAdam, Cowbridge Grammar School.

*Brevelton Scholarship* (£10).

John Hubert Davies, Cyfarthfa Castle Secondary School.

*Visitors Scholarship* (£12 10s. 0d. each for one year).

Mary Clement, Llanelly Girls' County School.

Francis John Reilly, Quakers' Yard Municipal Secondary School.

Eileen Mary Sanders, Cardiff Girls' High School.

## CLOSED SCHOLARSHIPS.

*Sir Alfred Jones Scholarship* (£20). (Candidates resident in Wales).

Mary Saunders, Ruabon County School.

*Sir Alfred Jones Scholarship* (£20). (Candidates resident in Borough of Carmarthen).

Eirlys Thomas, Carmarthen County School.

*Elizabeth Davies (Brynteifi) Scholarship* (£20).

David John Evans, Whitland County School.

- David Morgan Thomas of Caterham Memorial Scholarship* (£25).  
 Alun Davies, Llandilo County School.  
*Humphreys Owen Scholarship* (£20).  
 Ivor Hughes, Llanidloes County School.  
*Perrott Exhibition* (£10).  
 Margaret Iola Morgan, Aberystwyth County School.  
*Edward Jones Scholarship* (£20 for one year).  
 Dorothy Gwendoline Baird, Aberystwyth County School.
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D.—University Studentships and College Research Scholarships were awarded as follows for Session 1934-35 :—

- University Fellowship.*  
 Colin Eric Easthope.  
*University Studentships.*  
 Angus John Brockhurst Higgins.  
 William James Thomas.  
 Tom Pugh Williams.

College Research Scholarships, Exhibitions and Prizes :—

- Sir Garrod Thomas Fellowship.*  
 Raymond Redd.  
*Thomas Davies Scholarship.*  
 Stephen Williams.  
*Keeling Scholarship.*  
 Mary Jane Reese.  
*John Francis Scholarship.*  
 Joseph Benjamin Jones.  
*Thomas Stephens Scholarship.*  
 Ivor John Sanders.  
*Sir John Williams Fellowship.*  
 Arthur James Roderick, £100. First Year.  
 Griffith Aled Williams, £100. First Year.  
 John Haydn Beynon, £50. First Year.  
 Alwyn David Rees, £50. First Year.  
 Harold Meurig Evans, £100. Second Year.  
 Dewi Machreth Ellis, £50. Grant.  
 John Vyrnwy Davies, £50. Grant.  
 Thomas Jones, £10. Grant.  
*Cynddelw Scholarship.*  
 Eluned Davies.  
 Garfield Hopkin Hughes.  
*Robert Bryan Music Scholarship.*  
 Evelyn Lumley Jones.  
 Gwendoline Davies Parry.  
*Mrs. Frances Williams Art Exhibition.*  
 Mary Lloyd Roberts.  
*Rudler Exhibition.*  
 Austin William Woodland.  
*Tom Jones Medical Scholarships.*  
 Trevor Denis ap Ivor.  
 James Hugh Wallace Fagan.



## DEGREE EXAMINATIONS—JUNE 1934.

I.—Intermediate. F.T.—Further Test. S.—Subsidiary. F.—Final.  
H.I.—1st Year Honours. H.—Honours.

The students whose names are printed in italics have completed their examinations for graduation.

## ARTS.

Adams, William Stephen, B.A.	H. Geography, III.
Adlen, Haydn Charles	I. Latin, I. English, I. French. I. Geology.
Adler, Gershon Abraham Aaron	I. French, S. English, F. German.
<i>Arnold, William</i>	H. Philosophy II. (1).
Ashton, William	S. French, S. History, S. Geography, F. Economics.
Astley, Margaret Rosina May	S. English, S. French, S. German.
Bagnall, Gwendolen Mary	S. Latin, F. German.
<i>Barfield, Hilda Ellen</i>	F. Economics, F. French, F. Geography.
Beacham, Arthur	I. French, F. Economics, F. History.
Bennett, David Burrows	I. French, I. German, I. Geology, S. Economics.
Bevan, Barbara Edith	S. Geography, S. History.
Beynon, Oswald	F. French, F. Economics, F. Geography.
Bowdige, Brian Owain	I. Philosophy, I. Geology, S. French, S. Geography.
<i>Bowditch, Linda Eliza</i>	H. Geography, II. (2).
Bowen, Lawrence	I. English, I. Welsh, I. Philosophy, S. History.
<i>Bridge, Alfred George</i>	F. Education, F. History.
Buckingham, Frederick Lewis	I. Geology, S. Economics, S. Welsh.
Butler, Noel Robert	I. English, I. French, S. History.
Charles, Harold John	S. Greek, F. Welsh, F. Latin.
Chatterley, Elizabeth Margaret	I. French, S. English, S. History.
<i>Collard, Eileen Louise</i>	H. English, II. (2).
Collins, Mari Rhiannon	S. Economics, F. Welsh, F. Geography.
Courtman, John Cyril	S. History, S. English, S. German, S. Music.
Cowley, Beryl	I. Latin, I. English, I. French, S. History.
Daniel, Margaret Glenys	S. German, F. English, F. French.
David, John Horace	I. English, I. Welsh, I. History, I. Philosophy.
Davies, Alun	S. French, F. Economics, F. History.
Davies, Arnold Vernon	F. English, F. German.
<i>Davies, Arthur Lewis</i>	S. Education, F. English, F. History.
Davies, Barrie Nicholas	I. Geology, S. Economics, S. History, S. Geography.
Davies, Benjamin John	I. Greek, I. Welsh, I. Philosophy, S. Economics.
Davies, Brynmor Lewis	S. Welsh, S. History, S. Geography.
Davies, Clarence Melville	S. Geography.
Davies, Elsie Grace	I. English, I. History, I. Philosophy.
Davies, Eluned	I. German, F. English, F. Welsh.
<i>Davies, Ethel Mary</i>	H. French, II (1) and Oral Certificate.
<i>Davies, Gilbert</i>	H. Geography, II (1).
<i>Davies, Griffith George</i>	H. German, I and Oral Certificate.
Davies, Hetty King	I. German, I. French, S. English, S. Geography.
Davies, Horace	S. German, H.I. English, F. History,

- Davies, John*  
*Davies, John Evan*  
 Davies, John Ewart  
 Davies, John Richard  
 Davies, Johnny Dolfryn  
 Davies, Kenneth Philip  
 Christopher  
 Davies, Margaret  
 Davies, Megan Ogwen  
 Davies, Morgan Llewellyn  
 Davies, Myrddin Volander  
 Davies, Rhys Penri  
 Davies, Richard  
 Davies, Ronald  
 Davies, Ronald James  
 Davies, Thomas Albert  
 Davies, Thomas Alfred  
 Davies, William Gerwyn  
 Davies, William Trevor  
 de Lloyd, Mary  
*Downes, Mary Edwina*  
 Edwards, Frances Glenys  
 Edwards, Harold  
*Edwards, Harry James*  
 Edwards, Jessie Elizabeth Mary  
*Edwards, William Ritchie*  
 Elias, Sarah Elizabeth  
 Ellis, Gweno Mererid  
*England, Ruth Louise*  
 Evans, Alfred Leslie  
 Evans, Catherine Mary  
 Evans, David John  
*Evans, Elwyn*  
 Evans, Emlyn  
 Evans, Evan Charles  
 Evans, Evan Daniel Jones  
 Evans, Evan Emrys  
 Evans, Evan Gwyndaf  
 Evans, George Rees  
 Evans, Gryffydd ap Ieuan  
 Evans, Hugh Thomas Ellis  
 Evans, Kenneth Owen  
 Evans, Lilian Joan  
 Evans, Margaret Gwendolen  
 Picton, B.A.  
*Evans, Nancy Gwenhwyfar*  
 Evans, Phoebe Eleanor Mabel  
 Evans, Sarah Eleanor  
 Evans, Thomas Eilir Wynne  
 F. Welsh, F. History.  
 I. German.  
 Prel. Latin, S. English, S. Welsh,  
 S. History.  
 I. Welsh, S. English, S. Philosophy.  
 S. Economics.  
 I. English, I. History, I. Philosophy.  
 I. German, S. English, S. History.  
 I. Latin, S. English, S. History,  
 S. Music.  
 S. Greek, S. Welsh, S. Philosophy.  
 I. English, I. History.  
 S. English, F. Economics.  
 I. Greek, I. Latin, I. Welsh, I. Phil-  
 osophy.  
 I. French, I. Philosophy, S. English,  
 S. History.  
 H.I. English, F. French, F. History.  
 I. Geology, I. German, S. History,  
 S. Geography.  
 I. English, I. Welsh, I. History.  
 I. English, I. History.  
 S. Economics.  
 I. Latin, I. French, S. English, S. His-  
 tory.  
 H. History, II (1).  
 S. German, F. English.  
 F. Education, F. History.  
 H. French, II (2) and Oral Certificate.  
 S. German, F. English.  
 S. English, S. Economics.  
 I. Latin, S. English, S. History.  
 F. Music.  
 H. Geography, II (2).  
 I. English, I. Welsh, I. Philosophy,  
 S. Economics.  
 S. Welsh, F. Geography.  
 I. Welsh, I. History, I. Philosophy.  
 H. Welsh, II (1).  
 I. English, S. Economics, S. History.  
 I. English, I. History.  
 S. Welsh, S. German, S. History.  
 S. Economics, F. Welsh, F. Philosophy.  
 F. Welsh, F. Philosophy.  
 S. English, S. Welsh, S. Geography.  
 S. English, S. Economics, F. Welsh.  
 F. English.  
 S. English, F. Geography, F. History.  
 I. Latin, I. French, S. English, S. Ger-  
 man.  
 H. French, II (2) and Oral Certificate.  
 H. English, II (2).  
 I. Latin, S. English, S. Welsh, S. His-  
 tory.  
 S. English.  
 I. German, I. Philosophy, S. Latin,  
 S. Greek.

- Evans, Thomas Emrys  
*Evans, William John*  
 Galloway, Douglas Victor  
 Germanacos, Christo Lefterios
- Gethin, Ronald Thomas
- Giles, Ursula Fisher*  
*Gilford, Maurice*  
*Gower, Beatrice Agnes*  
*Grant, Raymond Kenneth James*  
 Green, David John  
 Griffiths, Benjamin John  
*Griffiths, Cyril Mansel*  
*Griffiths, David Richard*  
 Griffiths, Griffith Milwyn
- Griffiths, Jack Edward*  
 Griffiths, Lawrence Evans  
*Griffiths, Olwen May*  
 Gronow, John Wigley  
*Guy, David Thomas*  
*Hall, Kathleen Mary*  
 Hamer, Mary Stewart  
 Harley, Gwenith Margaret  
 Lilian
- Harries, David Meirion  
 Harries, William Glyndwr
- Haworth, Muriel  
 Haynes, Evan Edward  
 Hewlett, Marjorie Joan  
*Higgins, Angus John Brockhurst*  
 Higgins, Dorothy May  
 Brockhurst
- Hill, David John George  
 Hopkin, Henry Abbott
- Hopkins, Winifred
- Howells, Eric Bassett  
 Hughes, Arwel  
 Hughes, David Thomas  
 Hughes, Dilys
- Hughes, Garfield Hopkin  
 Hughes, Glyn Rhys, B.A.  
 Hughes, Gwenllian  
 Hughes, Robert Enyon  
 Humphreys, Edward Osborne  
 Hyde, William James  
 Jackett, James Rowe  
 Jacob, Annie Olwen
- Jacob, Ronald*  
*James, Edwin Mathias*  
*James, John Henry*  
 James, Kenneth, B.A.  
 James, Mair Eirwen Mererid  
 James, Maldwyn
- I. Geology.  
 H. Geography, II (2).  
 F. Philosophy.  
 I. Greek, I. Philosophy, H.I. English,  
 F. French.  
 I. French, I. Geology, S. History,  
 S. Geography.  
 H. French, II (2) and Oral Certificate.  
 H. Economics, II (1).  
 H. French, II (2) and Oral Certificate.  
 H. History, II (1).  
 F. Music.  
 I. Geology, S. Geography, S. History.  
 F. History, F. Geography.  
 H. Philosophy, II (2).  
 I. Latin, I. Welsh, I. French,  
 I. History.  
 I. Art, F. Education, F. English.  
 S. Greek, H.I. English, F. Latin.  
 H. Economics, II (1).  
 F. German, F. History.  
 H. Economics, II (2).  
 H. French, II (1) and Oral Certificate.  
 I. English, S. Economics, S. Geography.  
 I. German, S. English, S. History,  
 S. Geography.  
 S. History.  
 I. English, I. German, S. Latin,  
 S. French.  
 H.I. English, F. Music.  
 F. History.  
 S. Latin, S. English, S. French.  
 H. Greek, I, H. Latin, I.
- I. German, H.I. English, F. French.  
 S. German, F. Latin, F. French.  
 I. Geology, S. History, S. Economics,  
 S. Geography.  
 Elem. Greek, I. English, I. Latin,  
 S. Welsh.  
 I. Geology, S. History, S. Geography.  
 S. Music.  
 S. English, S. Economics.  
 I. French, S. English, S. History,  
 S. Geography.  
 I. Philosophy, F. English, F. Welsh.  
 H. Welsh Literature, I.  
 S. Philosophy, H.I. English.  
 F. Welsh, F. Geography, F. History.  
 S. Economics.  
 F. Economics, F. Geography, F. History  
 S. Latin, S. English, S. French.  
 Prel. Latin, S. English, S. Welsh,  
 S. Geography.  
 H. Geography, II (2).  
 F. English, F. History.  
 F. English, F. History.  
 S. Education, F. Economics.  
 I. German, F. Latin.  
 I. English, I. Geology, S. History.

- James, Margaret Nest S. French, H.I. English, F. History.  
 James, Thomas Llewelyn Emlyn S. English, S. Economics, S. Philosophy.  
 James, William S. Geography, F. Economics, F. German.  
 James, William John S. History, S. Philosophy, S. Music,  
 S. Education.  
 Jenkins, David S. History, F. Welsh Literature.  
 Jenkins, David Lyndhurst F. Greek.  
 Jenkins, Derwyn S. Economics, S. Geography, F. History.  
 Jenkins, John Alban I. Welsh, I. Geology.  
 Jenkins, Nancy I. Greek, S. Latin, S. English, S. His-  
 tory.  
*Jenkins, Thomas John* F. English, F. History.  
 Jenkins, William Morgan I. Latin, I. English, I. Welsh, I. Phil-  
 osophy.  
 John, Henry S. History, F. Economics.  
*John, James Emrys* S. Education, F. English, F. History.  
 John, Winston Gwynne S. German, S. Education, F. Music.  
 Jones, Albert John I. Greek, I. History, I. Philosophy,  
 S. Welsh.  
 Jones, Alwina Mair S. English, S. Economics, F. Welsh.  
*Jones, Annie Avarinah* H. English, II (1).  
*Jones, Arthur Cyril* H. French, I and Oral Certificate.  
 Jones, Cecil Henry Douglas I. Greek, I. Latin, I. English, I. and  
 F.T. Philosophy.  
 Jones, Cecilia Phoebe S. English, S. Welsh, S. History,  
 F. Economics.  
 Jones, David I. English, I. Welsh, I. Philosophy,  
 I. Geology.  
 Jones, David Alwyn I. Geology, I. History, S. Economics.  
 Jones, David Morgan Price F. English, F. Economics, F. Geography.  
 Jones, David Oswald S. Philosophy.  
 Jones, David Rees I. Greek, I. Welsh, I. Philosophy.  
 Jones, Douglas Morgan I. English, I. History, I. Philosophy.  
*Jones, Emrys Mervyn* H. Economics, II (1).  
 Jones, Emyr I. Welsh, I. French, I. Geology,  
 I. Music.  
 Jones, Evan Emrys S. Philosophy.  
*Jones, Evan Lewis* F. Welsh, F. Geography, F. Music.  
 Jones, Ewart Lyn F. Economics.  
 Jones, George H.I. English, F. History.  
 Jones, Gerallt Prel. Latin, I. English, I. Welsh,  
 I. Philosophy.  
 Jones, Glyndwr I. Welsh.  
 Jones, Griffith John Elem. Greek, I. Latin, I. English,  
 I. Welsh, I. Philosophy.  
 Jones, Gwenllian Parry S. German, F. English.  
*Jones, Hannah Enid* S. Economics, F. Geography.  
 Jones, Hilda Elizabeth Gwent I. English, I. Philosophy.  
 Jones, Inigo S. Welsh, S. Philosophy, F. Music.  
 Jones, Ivor Prel. Latin, F. Music.  
 Jones, Ivor Gwyn Rees I. Philosophy, I. Welsh, S. History.  
 Jones, James Arnold Elem. Greek, I. Latin, I. English,  
 S. Welsh.  
 Jones, John Brynmor S. History, F. English.  
*Jones, John Gwilym* F. Economics, F. English Law.  
 Jones, John Meirion I. Geology, S. History, S. Geography.  
 Jones, John Samuel I. Greek, I. Welsh, I. Philosophy,  
 S. Economics.  
*Jones, Joseph Benjamin* H. Economics, I.  
*Jones, Margaret Julia Mary* F. English, F. Welsh, F. Economics.

- Jones, Mary Dilys I. Latin, I. English, I. Welsh, I. Music.  
 Jones, Mary Gwen S. English, S. Welsh.  
 Jones, Nonn Huws S. German, F. History, F. English.  
 Jones, Richard Cynlais I. Geology, I. History, I. Music.  
 Jones, Robert, Nelson S. Welsh, F. Economics, F. History.  
 Jones, Robert Owen F. English, F. French.  
 Jones, Samuel Kenneth F. History.  
 Jones, Thomas Rhys H. Welsh, II (1).  
 Jones, Thomas Richard, B.A. S. Economics, F. Philosophy.  
 Jones, Thomas Wyndham I. English, I. Philosophy, S. Economics,  
 Jones, William George S. Welsh, F. Economics, F. Philosophy.  
 Jones, William Howell F. Economics, F. Jurisprudence.  
 Jones, William John I. Philosophy, S. Welsh, S. History.  
 Lawrence, Lilian Kathleen H. History, II (1).  
 Leeding, Olive S. Geology, F. English, F. Geography.  
 Lewis, Alban Dewi H.I. English, F. Welsh, F. French.  
 Lewis, Alun S. Economics, F. English, F. History.  
 Lewis, Alun Thomas S. Welsh, S. German, S. Geography.  
 Lewis, Ann Elizabeth H. Geography, III.  
 Lewis, Betty Mary I. Greek, F. English.  
 Lewis, David Gwynfor H. French, III.  
 Lewis, David Lloyd S. Welsh, S. History, F. Economics.  
 Lewis, Elsie Maud S. English, S. Education, S. History.  
 Lewis, Gilbert I. Geology.  
 Lewis, John S. Economics, S. Geography, S. History.  
 Lewis, Margaret Ann S. English, S. Welsh, S. French,  
 S. German.  
 Lewis, Margaret Jane Phyllis I. German, F. Latin, F. English.  
 Lewis, Tom Ewart S. Economics, S. Philosophy.  
 Lewis, William Ewart I. Geology, I. French, S. English,  
 S. Geography.  
 Lewis, Willie Bowen I. Philosophy, S. Economics, S. History.  
 Leyshon, John F. Education, F. History.  
 Llewellyn, Arianwen Rowena S. Latin, S. Welsh, F. German.  
 Lloyd, Dinah Margaret  
 Catherine S. Education, F. English, F. Philosophy.  
 Lloyd, Eira Mary H. History, II (1).  
 Lloyd, Rita Mary S. Economics, F. German.  
 Lloyd, Thomas Richard F. Greek, H. Latin, II (1).  
 Mainwaring, Margaret H. English, II (2).  
 Martin, Daisy S. Economics, S. History, F. Education.  
 Mead, John Frederick I. Geology, S. French, S. History,  
 S. Geography.  
 Meredith, William Maskell I. Latin, I. Philosophy, S. English,  
 S. French.  
 Mills, Richard Jehu S. English, F. Economics, F. Geography.  
 Morgan, Eric Alder I. English, S. German, S. History.  
 Morgan, Herbert Kemeys I. Latin, S. English, S. French, S. His-  
 tory.  
 Morgan, Mair Eluned I. English, I. French, I. History.  
 Morgan, Margaret Monica  
 Elizabeth I. German, H.I. English, F. Welsh.  
 Morgan, Martha Eluned Anne H. French, II (2) and Oral Certificate.  
 Morgan, Morgan Idris Prel. Latin, S. English, S. Welsh,  
 S. History, F. Economics.  
 Morgan, Nancy Gwenfan S. French, H.I. English, F. Welsh.  
 Morgan, Percival Francis F. Economics, F. English.  
 Morris, John Evans F. Welsh, F. German.,  
 Morris, Kenneth Owen H. Philosophy, II (1).  
 Morris, Morfudd F. English, F. Welsh.

- Moseley, Cyril I. Latin, I. English, S. French.  
 Moseley, Margaret Doreen S. Economics, F. French, F. Geography.  
 McGrath, George Edgar S. French, F. Economics, F. History.  
 Owen, Daniel I. Geology, S. Economics, S. Geography,  
 S. History.  
 Owen, Eirwen Mary I. Geology, S. Economics, S. Geography,  
*Owen, Rachel Meiriel* H. German, II (2) and Oral Certificate.  
 Payne, Eileen Mary I. German, S. Latin, S. English,  
 S. French.  
*Perkins, Morgan* F. History, F. Geography.  
 Petherham, Winston Randolph S. Geology.  
 Phillips, Dilwyn Ieuan I. Geology, S. Economics, S. History,  
 S. Geography.  
 Phillips, Elgar I. Geology, S. Welsh, S. Geography.  
 Phillips, Herbert James S. Greek, S. History, S. Philosophy.  
 Phillips, James Ronald F. Philosophy.  
 Phillips, John Rowland Emrys,  
 B.A. H. Economics, I.  
 Phillips, Nesta Ann S. Economics, F. English.  
 Porter, Stephen I. English, S. History.  
*Powell, Nancy* F. English, F. Economics.  
 Powell, Rosa Christine I. French, S. English, S. History.  
 Pownall, Ronald Blakeborough I. History, I. Art.  
 Price, David Thomas Herbert S. Economics, S. Geography, F. History.  
 Price, Glenys Mary I. English, I. Philosophy, S. Latin,  
 S. French.  
 Price, Ruby Myra S. German, S. French, F. English.  
 Pritchard, Ivor I. English, S. History.  
 Pritchard, John Trevor S. English, S. French, S. Philosophy.  
 Rees, Anelyf Wyn, B.A. H. Economics, I.  
 Rees, Annie Elizabeth Elem. Greek, F. Latin, F. French.  
 Rees, Dilys Maud I. English, S. German, S. Jurisprudence.  
 Rees, Edith I. Greek, S. Latin, S. French, S. Pure  
 Mathematics.  
 Rees, Elizabeth Anne I. Welsh, H.I. English, F. History.  
 Rees, Elizabeth Megan Prel. Latin, S. English, S. Welsh,  
 S. Music.  
 Rees, Evan Harries S. Economics, F. English.  
 Rees, Frederick Garfield F. Welsh, F. Geography.  
*Rees, Garnet* H. French, I, and Oral Certificate.  
 Rees, Hannah Arianwen S. Economics, F. Welsh, F. German.  
 Rees, Henry I. Welsh, I. History, I. Philosophy,  
 S. Economics.  
 Rees, John Ernest S. Economics, F. History.  
 Rees, Joseph Endaf S. Latin, S. English, S. French.  
 Rees, William Treharne S. Jurisprudence, F. History.  
 Richard, Mary Anne Emily I. German, S. Latin, S. English,  
 S. Welsh.  
 Richards, Lilian Alma I. English, I. French, I. German,  
 S. History.  
 Roberts, Ann I. English, I. French, I. Philosophy,  
 S. History.  
 Roberts, Catherine Olwen Prel. Latin, S. Education, S. History,  
 F. Welsh Literature.  
*Roberts, Dorothy* F. Economics, F. French.  
 Roberts, Elen I. German, I. Art.  
*Roberts, Iola Meiryl* S. English, F. Latin, F. French.  
*Roberts, Robert Elwyn* I. Art, S. Education, F. Economics,  
 F. History.  
 Roderick, Dilys S. English, F. French, F. History.

- Roderick, Enoch David  
 Rogers, John Arthur  
*Rowlands, Elizabeth Doris*  
*Rowlands, William Lewis*  
 Saunders, Oliver Edward  
*Seedhouse, Alan Walter*  
*Sewell, Nellie*  
 Short, Ronald Stanley  
 Skenfield, Eira  
*Stephens, David Gerwyn*
- Stevens, David George*  
 Sudbury, Philip George  
 Templeman, Frank Lewis  
 Thomas, David Eyron
- Thomas, David Glynn*  
 Thomas, Frances Myfanwy  
*Thomas, Garnet Lionel*  
 Thomas, Gilbert Hughston  
*Thomas, Graham*  
 Thomas, Hywel Arfryn  
 Thomas, John Heber  
 Thomas, John Rees  
 Thomas, John Wallace
- Thomas, Maelgwyn Rees*  
 Thomas, Mair Elvira
- Thomas, Marion Elaine*  
*Thomas, Megan*  
 Thomas, William Ernald  
 Thomas, William Glyndwr
- Thornber, Elizabeth Margaret  
*Tilsley, Gwilym Richard*  
 Walden, Richard Walter  
 Lawrence  
*Walker, Ivor*  
 Walters, Lynn Thomas  
*Watkins, Ernest Gwynne*  
 Watkins, Howell  
 White, William Rowland
- Whitley, Florence Cecilia  
 Willetts, Raymond George
- Williams, Cyril Raymond  
 Williams, David James  
 Williams, Dennis George  
 Footman  
 Williams, Emrys Hugh
- Williams, Enid Vaughan
- Williams, Eric Malcolm  
 Williams, Ethel  
*Williams, Gwilym Iorwerth*  
 Williams, Hugh Trefor, B.A.
- S. English, S. German, S. Geography.  
 H.I. English, F. French, F. Welsh.  
 H. English, III.  
 H. Welsh, II (2).  
 S. Latin, F. History.  
 H. French, II (2) and Oral Certificate.  
 F. English, F. Welsh.  
 F. Economics, F. History.  
 S. English, S. French, S. German.  
 S. Economics, S. Jurisprudence.  
 F. Welsh.  
 H. History, II (1).  
 S. French, F. Economics, F. History.  
 S. Economics, F. History, F. Geography.  
 I. History, S. French, S. Economics,  
 S. Geography.  
 H. Geography, II (2).  
 F. English, F. French, F. Geography.  
 H. History, II (1).  
 S. Economics, S. History, S. Geography.  
 H. Music, I.  
 I. English, I. Geology, S. History.  
 S. Economics, F. Geography.  
 S. Latin, S. English, S. French.  
 I. English, I. Welsh, I. History,  
 I. Philosophy.  
 H. French, I. and Oral Certificate.  
 I. Latin, S. Education, F. English,  
 F. Welsh.  
 H. English, II (1).  
 F. Economics.  
 F. Welsh, F. History.  
 I. German, S. Welsh, S. History,  
 F. Economics.  
 S. English, S. French, S. Art.  
 H. Philosophy, II (2).  
 F. English, F. French, F. Geography.  
 H. Geography, II (1).  
 S. Greek, S. Welsh, S. Philosophy.  
 H. Economics, II (2).  
 F. Economics, F. History.  
 I. English, I. History, I. Pure Math-  
 ematics.  
 S. Economics, F. English, F. History.  
 I. French, S. Economics, S. History,  
 S. Geography.  
 S. Economics, F. Welsh, F. History.  
 I. Welsh, I. History.  
 I. Philosophy, S. Education, S. History.  
 Elem. Greek, I. English, S. Latin,  
 S. History.  
 I. French, S. Latin, S. Economics,  
 S. History.  
 I. English, I. Philosophy, S. Economics,  
 S. Economics, F. Latin, F. History.  
 F. Welsh, F. History.  
 H. Economics, II (1).

- Williams, Ieuan Morgan      Prel. Latin, S. English, S. Welsh,  
S. History.
- Williams, Jane Ceridwen      I. Latin, S. English, S. Welsh,  
S. French.
- Williams, John Daniel      Elem. Greek, I. Welsh, I. History,  
I. Philosophy.
- Williams, John Mervin Owen      S. Economics, S. History.
- Williams, Reginald Arthur      S. English, S. History, S. Economics.
- Williams, William Idris      S. Welsh, S. Economics, S. History.
- Williams, William John*      H. German, III.
- Woodward, Harry Bernard      F. Economics, F. Geography.
- Workman, William      F. English.
- Worthington, Worthington  
Emrys      S. Philosophy.
- Yalden, Mary Ethel      S. History, H.I. English, F. French.
- SCIENCE.
- Adams, William Thomas      S. Physics, F. Pure Mathematics,  
F. Applied Mathematics.
- Allen, Albert Thomas*      S. Economics, S. Geology, F. Pure  
Mathematics.
- Bassett, Catherine Gaynor Ruth      I. Zoology, I. Botany, S. Geography.  
*Bassett, Frank*      H. Education, II (2).
- Batt, Aubrey Gwynne      S. Physics, S. Pure Mathematics.
- Bennett, George Edward      S. Applied Mathematics, S. Pure Math-  
ematics, S. Physics.
- Beresford, Dudley Tasker      I. Physics, S. Pure Mathematics, S. Ap-  
plied Mathematics.
- Berryman, Ernest George      I. Geology, S. Geography, S. Pure  
Mathematics.
- Bevan, Mary Ann*      F. Pure Mathematics.
- Bevan, Ronald William*      H. Geography, II (2).
- Blackledge, Mary      F. Physics.
- Bound, Richard Augustine  
Milwyn, B.Sc.      H. Physics, I.
- Bowen, Glyndwr      S. Chemistry, S. Physics.
- Bowen, Joan Catherine Mary*      H. Geography, III.
- Bowen, John Brinley      F. Chemistry, F. Physics.
- Brewer, Edwin      F. Economics, F. Geography.
- Brown, Ethel Marianne      I. Zoology, S. Botany, S. Chemistry.
- Canton, Eileen Marjorie      I. Botany, I. Zoology, I. Geology.
- Chatterley, Lucy      F. Economics, F. Zoology.
- Collins, Ada Rosina      I. Zoology.
- Crane, Olga Clayton      I. Botany, I. Geology, I. Zoology.
- Daniel, Goronwy Hopcyn      I. German, F. Geology, F. Geography.
- Davies, Anne Gwyneth      S. Botany, S. Geography, S. Zoology.
- Davies, David Richard Aylmer      I. Botany, I. Physics, S. Chemistry.
- Davies, Eric Thomas John      F. Pure Mathematics, F. Physics.
- Davies, Evan George      F. Geography.
- Davies, Gwenda Non      F. Botany, F. Geography.
- Davies, Frances Harriet Eluned      S. Botany, S. Zoology, S. Geography.
- Davies, Haydn George      S. Chemistry, S. Physics.
- Davies, Horace Lloyd*      H. Chemistry, I.
- Davies, Iestyn Griffith      F. Pure Mathematics, F. Physics.
- Davies, Islwyn Thomas      S. Physics, F. Pure Mathematics,  
F. Chemistry.
- Davies, John Vernon*      H. Chemistry, II (1).
- Davies, Margaret Maud Roberts  
Lloyd      I. Zoology, S. Botany.



- Davies, Peggy  
 Davies, Sarah Eleanor  
 Davies, Stanley Noel  
*Davies, Thomas Idwal*  
 Davies, Thomas Lloyd  
 (Aberaeron)  
*Davies, Thomas Lloyd*  
 (Beaufort)  
 Dawson, Ailsa Mary  
 Edwards, Alun Davies  
*Edwards, Sidney Vincent John*  
 Enoch, Geraint  
 Evans, Davy Edward  
 Evans, Eleanor Mary, B.Sc.  
 Evans, Gwyneth  
 Evans, Henry  
 Evans, Idwal Victor  
 Forbister, Joseph Glyn  
 Franklin, Charles Edmund  
 Leonard  
 George, Edgar  
 Glencross, Ada  
 Gravell, John David  
 Griffiths, Ida Mary  
 Gwynn, Eira Margaret  
 Hamer, Gwilym Trevor  
 Harries, John Vaughan, B.Sc.  
*Harris, Grace*  
 Hart, John Mervyn Pugh  
 Higgs, Alfred Henry  
 Hopkin, Myra  
*Hopkins, Catherine Ann*  
 Hughes, Daniel Maldwyn  
 Hughes, Margaret Patience  
 Hughes, William Henry  
 Buckley  
 Humphreys, George Maclaren  
 Hurn, Albert George  
 James, Llewelyn Hugh  
*Jenkins, Norman Fairfield*  
 John, Gwilym James  
 John, John Thomas  
*Jones, Clarice Muriel Mary*  
*Jones, David Price*  
 Jones, Geoffrey David Thomas  
*Jones, Hannah Margaret*  
 Jones, John Arthur  
 (Aberystwyth)  
 Jones, John Richard  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 I. Botany, I. Zoology.  
 S. Pure Mathematics, S. Chemistry, S. Physics.  
 H. Zoology, I.  
 I. Pure Mathematics, I. Botany, I. Chemistry, I. Physics.  
 F. Applied Mathematics.  
 S. Botany, S. Chemistry, S. Geology.  
 S. Pure Mathematics, S. Applied Mathematics.  
 I. Botany, I. Zoology, F. Chemistry.  
 I. Chemistry.  
 I. Pure Mathematics, I. Applied Mathematics, I. Chemistry, I. Physics.  
 H. Botany, II (1).  
 F. Botany, F. Zoology.  
 I. Geology, I. Zoology.  
 F. Botany, F. Zoology.  
 F. Pure Mathematics, F. Applied Mathematics.  
 F. Chemistry, F. Physics.  
 F. Chemistry, F. Physics.  
 I. Chemistry, S. Botany, S. Zoology.  
 S. Geology.  
 I. Zoology, S. Botany, S. Geography.  
 I. Botany, F. Geography, F. Zoology.  
 I. Botany, I. Chemistry, I. Zoology.  
 H. Applied Mathematics, I.  
 S. Geology, F. Economics, F. Zoology.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 S. Physics, F. Pure Mathematics, F. Applied Mathematics.  
 I. Geology, S. Botany, S. Geography.  
 F. Botany, F. Zoology.  
 S. Economics, F. Zoology.  
 I. Geology, S. Botany, S. Zoology.  
 I. Chemistry.  
 F. Pure Mathematics, F. Physics.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 I. Physics, I. Botany, I. Zoology.  
 H. Pure Mathematics, I.  
 I. Botany, I. Chemistry, I. Zoology.  
 S. Pure Mathematics, S. Chemistry, S. Physics.  
 S. Physics, F. Applied Mathematics.  
 H. Zoology, I.  
 I. Geology, S. Geography, S. Pure Mathematics.  
 F. Pure Mathematics, F. Applied Mathematics.  
 F. Pure Mathematics, F. Applied Mathematics.  
 I. Botany.

- Jones, Mary Elizabeth*  
 Jones, Megan Eleanor  
 Jones, Nansi  
 Jones, Peredur William  
  
 Kilner, William John  
  
*King, William George*  
 Kings, Agnes Mary Charnock  
 Landon, David Handel  
*Lewis, David Thomas*  
 Lewis, Dilys Myfanwy  
 Lewis, Egryn Mason  
*Lewis, Nesta Elizabeth*  
 Lewis, Sulwyn Lewis Albert  
 Mons.  
 Lloyd, Joseph John  
  
 Mellor, Margaret Louise  
 Mends, John Raymond  
  
 Michael, Thomas Vaughan  
  
 Morgan, Betty  
 Morgan, Evan Joseph  
 Osborne, Daniel, B.Sc.  
 Owen, Gwyneth  
*Owen, Morgan David*  
 Owen, Reginald Philip  
*Peguero, Mary*  
 Phillips, Glyn Myrddin  
*Phillips, Margaret Teifiona*  
 Thomas  
*Phillips, Marion*  
*Phillips, Thomas Lloyd*  
*Phillips, Tudor James*  
 Pitman, Dorothy Millicent  
  
 Powell, Barbara  
*Presley, Gwynneth Hilda*  
 Price, Dora  
  
 Price, Morgan  
*Pryce, David George*  
 Rees, Beryl  
 Rees, Meurig Thomas  
  
*Rees, Nancy*  
 Rees, Stephen Hywel  
 Rees, William James, B.Sc.  
 Reynolds, Ethnea Hywel  
 Richards, Elfyn John  
  
 Richards, Olwen Hannah  
 Roberts, Bernard Llewellyn  
 Roberts, Gwilym Emrys  
  
 Roberts, Henry Trevor  
  
 Rollinson, Kathleen
- H. Geography, III.  
 F. Botany, F. Chemistry.  
 I. Botany, S. Geography, S. Geology.  
 S. Zoology, S. Philosophy, S. Education.  
 I. Pure Mathematics, I. Geology,  
 S. Economics.  
 H. Pure and Applied Mathematics, II (2).  
 I. Botany.  
 F. Physics.  
 S. Geography.  
 S. Economics, F. Botany.  
 S. Economics, S. Geography.  
 F. Applied Mathematics, F. Physics.  
  
 S. Economics, S. Geography, S. Geology.  
 I. Pure Mathematics, I. Applied Mathematics.  
 I. Botany, I. Geology, I. Zoology.  
 I. Physics, S. Pure Mathematics,  
 S. Chemistry.  
 I. Pure Mathematics, I. Applied Mathematics, I. Chemistry, I. Physics.  
 F. Geography.  
 I. Chemistry, I. Physics, I. Geology.  
 H. Economics, I.  
 F. Botany, F. Zoology.  
 H. Chemistry, II (1).  
 F. Pure Mathematics, S. Physics.  
 F. Botany, F. Geology.  
 I. Chemistry, S. Pure Mathematics.  
  
 F. Applied Mathematics, F. Physics.  
 H. Botany, II (2).  
 F. Applied Mathematics.  
 F. Chemistry, F. Physics.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 I. Zoology, S. Botany.  
 H. Botany, III.  
 I. Physics, S. Pure Mathematics,  
 S. Chemistry.  
 H. Pure Mathematics, II (2).  
 H. Pure Mathematics, I.  
 I. Geology, S. Economics.  
 I. Physics, S. Pure Mathematics, S. Applied Mathematics.  
 F. Botany, F. Zoology.  
 I. Chemistry, I. Geology.  
 H. Zoology, II (1).  
 I. Botany, I. Zoology, I. Geology.  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 F. Physics.  
 I. Botany.  
 S. Pure Mathematics, S. Chemistry,  
 S. Physics.  
 S. Pure Mathematics, S. Geography,  
 S. Geology.  
 I. Geology, S. Botany, S. Geography.

- Ross, Joan Margaret  
 Sansbury, David George  
*Saunders, Oliver Picton*  
*Spiller, George Francis*  
 Sturgess, Lambert Owen
- Taylor, Muriel Margaret
- Thomas, Harry
- Thomas, Ieuan  
 Thomas, James Campbell  
 Thomas, Lyndel Mary  
 Treharne, Kenneth Cecil
- Vanstone, Frederick Haydn
- Vaughan, Alfred Kenneth  
 Venn, Ernest Edward  
 Walker, Thomas  
*Warlow, Phoebe Rosalind*  
 Watkins, Emlyn  
 Watkins, William Gwyn  
*Weale, William Austin*  
*Wernet, Beryl Margaret*  
 White, Theodore  
*Williams, Betty Joyce*  
 Williams, David Charles  
 Williams, Harold Lawson  
 Williams, Kenneth  
*Williams, Megan*  
 Williams, Robert Griffith  
*Williams, Sylvia Rosalind*  
 Williams, Thomas George  
 Williams, Una  
*Woodland, Austin William*
- I. Botany, S. Geology, S. Geography.  
 I. Geology, I. Zoology.  
 F. Botany, F. Geography.  
 H. Geography, II (1).  
 S. Pure Mathematics, S. Applied Mathematics, S. Physics.  
 I. Pure Mathematics, S. Geography, S. Geology.  
 F. Pure Mathematics, F. Applied Mathematics.  
 S. Pure Mathematics, F. Geography.  
 I. Pure Mathematics, S. Chemistry.  
 S. Physics, F. Pure Mathematics.  
 I. Physics, I. Pure Mathematics, S. Applied Mathematics.  
 S. Pure Mathematics, S. Chemistry, S. Physics.  
 S. Botany, S. Geography, F. Geology.  
 S. Botany, F. Zoology.  
 F. Chemistry, F. Zoology.  
 H. Pure Mathematics, II (2).  
 I. Chemistry.  
 S. Pure Mathematics, S. Physics.  
 F. Zoology, F. Geology.  
 F. Botany.  
 F. Chemistry, F. Zoology.  
 H. Geography, I.  
 I. Botany, S. Geography, S. Zoology.  
 S. Geology, F. Economics, F. Geography.  
 F. Chemistry, F. Physics.  
 H. Chemistry, II (1).  
 S. Economics, S. Geology, S. Geography.  
 H. Zoology, II (1).  
 I. Botany, I. Zoology, S. Geography.  
 F. Pure Mathematics, F. Geography.  
 H. Geology, I.

## RURAL SCIENCE.

- Bowen, Morva  
 Church, Stuart Llewelyn
- Das Gupta, Mohitendranath*  
 Davies, Roger Probert
- Edmunds, Henry*
- Evans, David Howard  
 Evans, Jenkin Russell
- Evans, William Morgan  
 Reginald  
 Griffiths, Edward Kenneth
- Griffiths, John Richard  
 Hopkins, John Stephen
- Hughes, Gwilym Pearson  
 Jenkins, Leslie Stuart
- I. Chemistry, S. Botany, S. Zoology.  
 I. Chemistry, I. Botany, I. Zoology.  
 S. Agricultural Botany, F. Agriculture.  
 S. Agricultural Botany, S. Agricultural Chemistry.  
 S. Agricultural Botany, F. Agriculture, F. Botany.  
 S. Zoology, S. Agricultural Botany.  
 S. Chemistry, S. Agricultural Botany, S. Agricultural Chemistry.  
 I. Botany, I. Chemistry, I. Zoology.  
 S. Chemistry, S. Agricultural Botany, S. Agricultural Chemistry.  
 I. Botany, I. Chemistry, I. Zoology.  
 F. Agriculture, F. Chemistry with Agricultural Chemistry.  
 I. Botany, I. Chemistry, I. Zoology.  
 I. Botany, I. Chemistry, I. Zoology.

- Jones, Betty Monica I. Chemistry, S. Zoology, S. Agricultural Botany.
- Jones, Frank I. Botany, I. Chemistry, I. Zoology.
- Jones, John Daniel S. Agricultural Botany.
- Jones, John Trefor S. Botany, S. Agricultural Chemistry.
- Jones, Margaret I. Botany, I. Zoology.
- Jones, Richard Bennett I. Botany, I. Chemistry, I. Zoology.
- May, Alwyn S. Zoology.
- McHardy, Leo John* S. Botany, F. Zoology, F. Agriculture.
- Powell, Hannah Margaretta S. Agricultural Chemistry.
- Price, Charles Dilwyn I. Botany, I. Chemistry, I. Zoology.
- Price, Elwyn Idris S. Agricultural Botany, S. Chemistry.
- Pugh, William Kenneth F. Agriculture, F. Chemistry with Agricultural Chemistry.
- Ray, Sudhindra Chandra, B.Sc. H. Economics with Agricultural Economics, II (1).
- Reeves, Mervyn Lewis Mathews I. Chemistry.
- Richards, Tom Glyndwr I. Botany, I. Chemistry, I. Zoology.
- Swallhay, Saiduddin S. Economics.
- Thomas, Elwyn John I. Botany, I. Zoology, I. Chemistry.
- Thomas, Percy Tudor, B.Sc. H. Agricultural Botany, I.
- Tudor, Jane Angharad* S. Agricultural Botany, F. Agriculture, F. Zoology.
- Wibberley, Gerald Percy S. Economics, S. Agricultural Chemistry, S. Agricultural Zoology.
- Williams, Myrddin S. Agricultural Botany, F. Botany.
- Williams, Stephen, B.Sc. H. Agriculture, I.
- MUSIC.
- Davies, Davey* F. Theory of Music, F. Composition, F. Exercise.
- Parry, Gwendoline Davies I. History of Music, I. Theory of Music, I. Acoustics, I. Welsh.
- LAW.
- Bonnett, Denise* Part II Common Law, Part II Conveyancing and Equity, Part II. Jurisprudence.
- Burrell, John Glyn* H. Law, III.
- Carson, James Eric Rutherford S. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Cooper, John Part II. Common Law, Part II. Jurisprudence.
- Davies, Alun (Gorseinon) Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Davies, David Gwyn I. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Dutt, Arindam Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Edwards, Frank Edward Tudor Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Edwards, Thomas Henry Part I English Law, Part I. Constitutional Law, Part I. International Law.
- Ellis, William Armon Part I. English Law, Part I. Constitutional Law, Part I. International Law.

- Evans, Arthur Goronwy I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Evans, Gwynfor Richard* H. Law, II. (1).
- Evans, Horace Wynne - Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Hughes, John David S. Economics, Prelim. Contract, Prelim. Tort and Crime.
- James, David Elidyn Howell Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Jenkins, Samuel Morley* Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, Benjamin George Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, Clement Owen Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, Edgar Joseph Basil Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Jones, Frank Maurice Probert Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Jones, Griffith Winston Guthrie Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, John Pritchard I. Welsh, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Jones, Richard Owen Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Jones, William Lloyd Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Leggatt, David Theodore I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Clifford
- Llewellyn, Thomas Owen Lewis Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Llewellyn, William John* H. Law, II. (1).
- Matthews, Menna Lloyd Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Morgan, John Part II. Conveyancing and Equity.
- Morgan, Thomas Lewis Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Morgan, William Gwynn Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Owen, Hugh Wynn Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Reddy, Thollapalli Venkatasiva I. Philosophy, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Rees, William Edgar I. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Rivlin, Harold Lionel Part I. English Law, Part I. Constitutional Law, Part I. International Law.
- Roberts, Hywel Gittins Part I. English Law, Part I. Constitutional Law, Part I. International Law.

Salmon, John Griffith	I. French, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
<i>Thomas, David Gordon</i>	H. Law, II. (2).
Thomas, Evan Hugh	Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
Thomas, Hywel Philip Rhys	I. French, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
Thomas, John Stuart Hamilton	Part I. English Law, Part I. Constitutional Law, Part I. International Law.
Thomas, Ryland Lowell Degwel	I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
Thomas, Trevor Cawdor	Part I. English Law, Part I. Constitutional Law, Part I. International Law.
<i>Wallis-Jones, Ewan Perrins</i>	H. Law, I.
Williams, Dafydd Wyn Jones	I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
Williams, John Leslie	I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
<i>Williams, Laura Edith</i>	Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.

### The following College Diplomas were awarded in June, 1934 :—

#### *Diploma in Art.*

##### *Class I.*

Atkins, Betty Winfield.  
 Clee, Elizabeth Rachel.  
 Davies, Catherine Cordelia, B.A.  
 Davies, Jean Jones.  
 Jones, Thomas Richard, B.A.  
 Rowlands, Margaret Humphreys, B.Sc.

#### *Diploma in Craft.*

##### *Class I.*

Lloyd, Catherine Muriel.

#### *Diploma in Biology.*

Daniel, Frederick, B.Sc.

#### *Diploma in Agriculture.*

Griffiths, John David.  
 Hughes, John Lloyd.  
 Jones, Thomas Idwal.  
 Jones, Willie Rees Lloyd.  
 Phillips, Glyndwr.

#### *Diploma in Dairying.*

Griffiths, John David.  
 Lewis, John.  
 Jones, Elizabeth.  
 Pugh, Falmai Wynn.

**SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1934.**

## FACULTY OF ARTS.

Chatterley, Elizabeth Margaret	I. Latin.
Davies, Horace	I. Latin.
Davies, Margaret	I. Latin.
Evans, Emlyn	I. French.
Evans, Evan Charles	I. Geology.
Evans, Nathaniel	S. German.
Griffiths, Benjamin John	I. German.
Griffiths, Cyril	I. Geology.
Griffiths, David John	I. German.
Harries, David Meirion	I. English.
Haworth, Muriel	I. French, I. Latin.
Howells, Eric Bassett	I. German.
Jenkins, John Alban	I. Music.
Jones, David Rees	I. History.
Jones, Evan Emrys	I. History.
Jones, Ewart Lyn	I. History.
Jones, John Brynmor	I. French.
Jones, John Meirion	I. German.
Jones, Mary Gwen	I. Latin.
Jones, Mary Rees	I. English, I. Welsh, I. Music, I. Philo- sophy.
Jones, Richard Cynlais	I. German.
Jones, Richard Glynn	I. Philosophy.
Jones, Thomas Wyndham.	I. German.
Morgan, Morgan Idris	I. Latin.
Moseley, Cyril	I. German.
Owen, Eirwen Mary	I. German.
Phillips, Dilwyn Ieuan	I. German.
Phillips, Elgar	I. German.
Porter, Stephen	I. French, I. Latin.
Pownall, Ronald Blakeborough	I. Geology.
Pritchard, John Trevor	I. Latin.
Rees, Annie Elizabeth	I. Greek.
Rees, David Morgan	S. Economics, S. History, I. French.
Rees, Elizabeth Anne	I. Latin.
Rees, Elizabeth Megan	I. Latin.
Rees, John Ernest	I. German.
Rees, Joseph Endaf.	I. German.
Thomas, Hywel Arfryn	I. German.
Thomas, John Rees	I. German.
Williams, Cyril Raymond.	I. Latin.
Williams, David James	I. Geology.
Williams, Emrys Hugh	I. Greek.
Williams, Ieuan Morgan	I. Latin.
Williams, William Idris	I. French.

## FACULTY OF LAW.

Hughes, John David Prelim. Constitutional History.

## FACULTY OF SCIENCE.

James, Llewellyn Huw I. Chemistry.  
 Lloyd, Joseph John I. Physics.  
 Rees, Stephen Hywel I. Pure Mathematics.

## FACULTY OF RURAL SCIENCE.

Jones, Margaret I. Chemistry.  
 Phillips, Llywelyn I. Chemistry, S. Zoology.  
 Swallhay, Saiduddin I. Chemistry.

**EXAMINATION FOR THE DIPLOMA IN EDUCATION, 1934.**

The following candidates satisfied the examiners and qualified for the Diploma :—

## PART I. WRITTEN EXAMINATION.

*Division 1.*

Jarvis, John Brynmor, B.A.  
 Lewis, Brinley James, B.Sc.  
 Parry, Caradoc Griffiths, B.Sc.  
 Proffit, Tudor, B.A.  
 Redd, Raymond, B.Sc.  
 Williams, Tom Pugh, B.A.

*Division 2.*

Abraham, Margaret Elizabeth, B.Sc.  
 Barrett, Gwen, B.Sc.  
 Carter, Glynden Ewart, B.Sc.  
 Davies, Bridget Elfrida Lee, B.A.  
 Davies, Catherine Cordelia, B.A.  
 Davies, Daniel Dilwyn, B.A.  
 Davies, Isaac, B.Sc.  
 Davies, John Morgan, B.A.  
 Davies, Margaret, B.A.  
 Edwards, Margaret Eluned Honor, B.Sc.  
 Ellis, Hywel Nadolig, B.A.  
 Evans, Daisy Ann, B.A.  
 Evans, Hugh John  
 Evans, Phyllis Edith Mary, B.A.  
 Evans, Rachel Mary, B.Sc.  
 Gravell, Grace Georgiana, B.A.  
 Hillier, Ruby Daphne, B.A.  
 Humphreys-Rowlands, Margaret, B.Sc.  
 Jarvis, Sydney Geoffrey, B.Sc.  
 Johns, Harold Myrddin, B.Sc.  
 Jones, Benjamin Royston, B.Sc.  
 Jones, Ceinwen Mary, B.A.  
 Jones, Eleanor Blodwen Irene, B.A.  
 Jones, Elizabeth Margaret, B.A.  
 Jones, Ellen, B.Sc.  
 Jones, Glenys Hannah, B.A.  
 Jones, Gwyneth Mary, B.Sc.  
 Jones, Mair Elizabeth, B.Sc.  
 Jones, Mary Dorothy, B.Sc.  
 Jones, Phyllis Menna, B.A.  
 Jones, Richard Edward, B.A.  
 Jones, Thomas, B.A.  
 Jones, Thomas Tyssul, B.Sc.  
 Jones, William Brynmor, B.A.  
 Jones, William Frederick, B.Sc.  
 Jordan, William Haydn  
 Ladd, John Cyril, B.Sc.  
 Lewis, George, B.A.  
 Llewellyn, Edith Margaret, B.Sc.  
 Lloyd, Rebecca Megan, B.Sc.  
 Mackeen, Douglas Irwin, B.A.  
 Manning, Hilda Mary, B.A.  
 Mason, Hilda May, B.A.  
 Morris, Gwyn Elvet, B.A.  
 Newell, Dorothy Ann, B.A.  
 Oliver, Florence Mary, B.A.



Payne, George Charles, B.A.  
 Phillips, Trevor James, B.A.  
 Pritchard, Annie Mary, B.A.  
 Prŷs-Jones, Enid Morfydd, B.A.  
 Rees, Alwyn David, B.A.  
 Rees, Catherine Lucilla, B.Sc.  
 Rees, Delsie, B.A.  
 Richards, John George, B.A.  
 Richards, Mary Ann, B.Sc.  
 Roberts, David, B.A.  
 Roberts, David Emlyn, B.A.  
 Roberts, Edward Gwilym, B.A.  
 Rushforth, Anita, B.A.  
 Sutton, Rachel Margaret Rhydderch, B.A.  
 Thomas, Agnes Mary, B.Sc.  
 Thomas, Arthur Philip, B.Sc.  
 Thomas, Benjamin John, B.Sc.  
 Thomas, David Alun, B.A.  
 Thomas, Gwyn Ivor, B.A.  
 Thomas, Ivor Vincent, B.Sc.  
 Thomas, William John, B.Sc.  
 Tovey, Dorothy May, B.Sc.  
 Watkins, Glyndwr, B.A.  
 Watkins, Susannah, B.A.  
 Williams, Alan, B.Sc.  
 Williams, Edward George, B.Sc.  
 Williams, John Hopkin, B.A.  
 Williams, Leslie Owen, B.A.  
 Williams, Ronald, B.A.  
 Williams, William, B.A.  
 Williams, William David, B.A.  
 Williams, William Gwynne, B.Sc.  
 Williams, Winifred Lilian Watts, B.A.  
 Zetterstrom, Ida Elizabeth, B.Sc.

## PART II. TESTS OF PRACTICAL SKILL.

### *Division 1.*

Barrett, Gwen, B.Sc.  
 Ellis, Hywel Nadolig, B.A.  
 Humphreys-Rowlands, Margaret, B.Sc.  
 Jones, Mary Dorothy, B.Sc.  
 Jones, Richard Edward, B.A.  
 Ladd, John Cyril, B.Sc.  
 Llewellyn, Edith Margaret, B.Sc.  
 Mason, Hilda May, B.A.  
 Prŷs-Jones, Enid Morfydd, B.A.  
 Redd, Raymond, B.Sc.  
 Sutton, Rachel Margaret Rhydderch, B.A.  
 Tovey, Dorothy May, B.Sc.

### *Division 2.*

Abraham, Margaret Elizabeth, B.Sc.  
 Carter, Glynden Ewart, B.Sc.  
 Davies, Bridget Elfrida Lee, B.A.  
 Davies, Catherine Cordelia, B.A.  
 Davies, Daniel Dilwyn, B.A.  
 Davies, Isaac, B.Sc.  
 Davies, John Morgan, B.A.  
 Davies, Margaret, B.A.  
 Edwards, Margaret Eluned Honor, B.Sc.

Evans, Daisy Ann, B.A.  
 Evans, Hugh John  
 Evans, Phyllis Edith Mary, B.A.  
 Evans, Rachel Mary, B.Sc.  
 Gravell, Grace Georgiana, B.A.  
 Hillier, Ruby Daphne, B.A.  
 Jarvis, John Brynmor, B.A.  
 Jarvis, Sydney Geoffrey, B.Sc.  
 Johns, Harold Myrddin, B.Sc.  
 Jones, Benjamin Royston, B.Sc.  
 Jones, Ceinwen Mary, B.A.  
 Jones, Eleanor Blodwen Irene, B.A.  
 Jones, Elizabeth Margaret, B.A.  
 Jones, Ellen B.Sc.  
 Jones, Glenys Hannah, B.A.  
 Jones, Gwyneth Mary, B.Sc.  
 Jones, Mair Elizabeth, B.Sc.  
 Jones, Phyllis Menna, B.A.  
 Jones, Thomas, B.A.  
 Jones, Thomas Tyssul, B.Sc.  
 Jones, William Brynmor, B.A.  
 Jones, William Frederick, B.Sc.  
 Jordan, William Haydn  
 Lewis, Brinley James, B.Sc.  
 Lewis, George, B.A.  
 Lloyd, Rebecca Megan, B.Sc.  
 Mackeen, Douglas Irwin, B.A.  
 Manning, Hilda Mary, B.A.  
 Morris, Gwyn Elvet, B.A.  
 Newell, Dorothy Ann, B.A.  
 Oliver, Florence Mary, B.A.  
 Parry, Caradoc Griffiths, B.Sc.  
 Payne, George Charles, B.A.  
 Phillips, Trevor James, B.A.  
 Pritchard, Annie Mary, B.A.  
 Proffit, Tudor, B.A.  
 Rees, Alwyn David, B.A.  
 Rees, Catherine Lucilla, B.Sc.  
 Rees, Delsie, B.A.  
 Richards, John George, B.A.  
 Richards, Mary Ann, B.Sc.  
 Roberts, David, B.A.  
 Roberts, David Emlyn, B.A.  
 Roberts, Edward Gwilym, B.A.  
 Rushforth, Anita, B.A.  
 Thomas, Agnes Mary, B.Sc.  
 Thomas, Arthur Philip, B.Sc.  
 Thomas, Benjamin John, B.Sc.  
 Thomas, David Alun, B.A.  
 Thomas, Gwyn Ivor, B.A.  
 Thomas, Ivor Vincent, B.Sc.  
 Thomas, William John, B.Sc.  
 Watkins, Glyndwr, B.A.  
 Watkins, Susannah, B.A.  
 Williams, Alan, B.Sc.  
 Williams, Edward George, B.Sc.  
 Williams, John Hopkin, B.A.  
 Williams, Leslie Owen, B.A.  
 Williams, Ronald, B.A.  
 Williams, Tom Pugh, B.A.

Williams, William, B.A.  
 Williams, William David, B.A.  
 Williams, William Gwynne, B.Sc.  
 Zetterstrom, Ida Elizabeth, B.Sc.

SUPPLEMENTARY LIST, 1930.

PART II. TESTS OF PRACTICAL SKILL.

*Division 2.*

Williams, Winifred Lilian Watts, B.A.

**Higher Degrees obtained by past and present students :—**

*Degree of M.A. :—*

Evans, Lizzie Eirlys, B.A.	.....	Welsh Literature.
Evans, Megan Pryce, B.A.	.....	Philosophy.
Griffiths, Gwladys Constance, B.A.	.....	English.
Jerman, Herbert Noel, B.A.	.....	Geography, with Distinction.
Lewis, Frank Robert, B.A.	.....	History, with Distinction.
Rees, Daniel, B.A.	.....	English.
Varley, William Jones, B.A.	.....	Geography.

*Degree of M.Sc. :—*

Davies, William Norman George, B.Sc.	.....	Geography.
Easthope, Colin Eric, B.Sc.	.....	Applied Mathematics.
Evans, Gwilym, B.Sc.	.....	Agricultural Botany.
Hughes, Elfed Lloyd, B.Sc.	.....	Agricultural Botany.
Jolly, Arthur Leonard, B.A. (Cantab.)	.....	Agricultural Economics.
Lewis, David Stephen Goronwy, B.Sc.	.....	Physics.
Milton, William Ewart Jose	.....	Agricultural Botany.
Phillips, David Luther, B.Sc.	.....	Physics.
Ractliffe, Jack Fuller, B.Sc.	.....	Applied Mathematics.
Redd, Raymond, B.Sc.	.....	Chemistry.
Walker, Robert Gordon, B.Sc.	.....	Agricultural Botany.

*Degree of Ph.D. :—*

Davies, John James Glanmor, B.A.	.....	Welsh.
James, Emrys Gwynne, B.Sc.	.....	Physics.
Townshend, Stanley Charles, B.Sc.	.....	Chemistry.

*Degree of D.Sc. :—*

Jenkin, Thomas James, M.Sc.	.....	
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## GREEK.

MR. E. D. T. JENKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary	16	7	9	6
Intermediate	13	1	12	10
Subsidiary	7	—	7	6
Final	3	—	3	2
Hons. 1st Yr.	—	—	—	—
Hons. 2nd Yr.	1	—	1	1 1st Cl.
TOTALS	40	8	32	25

The number of students registered in the Department was the highest of any post-war year, and though there were several defections in the course of the Session—from *Elementary* for the most part—the number taking examinations was the highest for more than twenty years.

*Elementary.* Most of the students who were continuously members of the class worked steadily, while two, who are prospective candidates for Honours in Latin, made sufficient progress to be allowed to sit the Intermediate Examination in September.

*Intermediate.* This class, for the most part, was composed of Mature Matriculants. None was of outstanding merit, although the percentage of passes was higher than usual. Most worked hard, but not always intelligently, and it needs to be pointed out again and again to students at this stage as to those at other stages, that real progress will depend largely on a right study of the Authors. Miss Edith Rees deserves to be mentioned for a good performance in the examination.

*Subsidiary.* No fault could be found with the industry of this class and nearly all were successful in the examination. Mr. T. E. W. Evans, who entered College last October as R. H. Richards scholar, may be expected to do well in the future.

*Final.* Two out of the three candidates passed in the examination. One of them, Mr. D. L. Jenkins, a Price Davies scholar, sent in admirable work which merited the praise bestowed on it by the External Examiner. Mr. Jenkins intends to take Latin Honours in 1935 and Greek Honours in 1936.

*Honours.* The promise shown in previous Sessions by Mr. A. J. B. Higgins, holder of a Joseph Thomas Scholarship and the first holder of the Marshall Memorial Exhibition, has been more than fulfilled in the clear and undisputed first class awarded to him in June. In particular, his performance in Greek Prose Composition and Unprepared Translation reached a high standard. As he was placed in the first class in Latin Honours also, Mr. Higgins is to be congratulated on a most meritorious undergraduate career.

Once more it is a pleasure to acknowledge the valuable support which I have received from Mr. P. K. Baillie-Reynolds, Lecturer in Ancient History, and Mr. Arnold M. Duff, Assistant Lecturer in Classics. Mr. Baillie-Reynolds carries with him the heartiest good wishes of all his colleagues on his leaving to take up his new appointment as an Inspector of Ancient Monuments. I desire also to express my sincere thanks to Professor E. Bensly for his most valuable course of lectures on the principles of Textual Criticism, delivered in the second term to the senior students.

The Head of the Department has continued to give help to other Departments. Besides having charge of a course on "The Stoic Philosophy" on behalf of the Department of Latin, he has delivered a course of lectures on *The Politics* of Aristotle to the members of the second year Honours Modern History Class.

He has also continued to give help to Sir Henry Stuart-Jones in the correction of the proofs of the new and revised edition of Liddell and Scott.

### LATIN.

PROFESSOR E. J. WOOD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Preliminary	27	4	18	8
Intermediate	39*	3	40	18
Subsidiary	19	1	18	16
Final	8†	1	9	8
Hons. 1st Yr.	4	1	—	—
Hons. 2nd Yr.	2	—	2	2—1st Cl Cl. 2a
TOTALS	99	10	87	52

\* 4 others promoted from Preliminary at Xmas.

† 2 others added from Honours.

The numbers of the Department have been slightly augmented this year, the increase being found in the Subsidiary and Final Classes. The number of students entered for Honours at the beginning of the Session, which showed a distinct improvement on last year, was not maintained, as two dropped back to the Final Course. There is, however, a prospect of the number of Honours students being enlarged next Session.

*Preliminary Course.* It is difficult to appraise the value of this Course. Serious students entering upon it certainly make good and may well pass the Intermediate Examination in the September following their admission to the Course. But too many seem to take up the Course either without any serious desire to better themselves, or when already oppressed by so many courses in other subjects that they can spare little time for Latin.

*Intermediate Course.* The Intermediate Class struck one as not coming quite up to last year's level. It still contains a number of "repeat" students who make little effort to improve. However, as a whole, the class worked steadily and willingly and it is to be hoped that a good proportion will attain that little extra amount of proficiency required for them to reach the Pass Standard in the September Examination.

*Subsidiary Course.* This class also fell a little short of last year's general standard of ability. But twice as many more entered Subsidiary this year after having taken the College Intermediate Examination than was the case last year. This is a good sign.

*Final Course.* The numbers here were double those of last year and the class worked excellently and was most pleasant to deal with. All members passed the examination in June except one.

*Honours Course.* The members of the first year Honours class have all worked happily and hard and are bidding fair to acquit themselves well at their final examination next June. Of the two candidates who sat the Honours Examination this year, Mr. A. J. B. Higgins gained a first class degree—a distinction he also won in Greek at the same time. This is, indeed, no mean feat, and it is to be hoped more will be heard of Mr. Higgins in the future. The other candidate gained a second class division A.

It is also to be reported that Miss Nelian Rees, who took first class Honours in Latin last year, was granted the Keeling Post Graduate Scholarship last July and has been working throughout the Session on the Roman penetration in Wales in the third and fourth centuries. Travelling Scholarships have been awarded to two first year Honours Students this year.

*General.* The work of the Department has continued steadily throughout the year in spite of an illness which prevented the Professor from lecturing for three weeks of the Summer Term and from taking any large share in examining work. The Professor feels deeply grateful to his colleagues in the department, Mr. P. K. Baillie Reynolds and Mr. A. M. Duff, and to Mr. E. D. T. Jenkins of the Greek Department, both for their general assistance rendered throughout the year and particularly for the willing manner in which they stepped into the breach during his illness and shouldered the extra labour involved. He desires to thank Mr. E. D. T. Jenkins also for his invaluable aid in teaching the History of Stoic Philosophy to the Honours student who chose that special subject. During the Lent term Professor E. Bensly gave an interesting and valuable course of lectures in the department on textual criticism, for which cordial thanks are extended to him.

The Loeb Edition of some Minor Latin Poets which Mr. Duff is preparing in conjunction with his father, Professor J. Wight Duff, is at this moment in the press. The Head of the Department is assisting in the compilation of the Oxford Latin Dictionary, an entirely new work which it is hoped to produce in some years' time.

It is with deep regret that the department loses the services of Mr. P. K. Baillie Reynolds on his appointment as Inspector of Ancient Monuments for England, an important office for which he is pre-eminently qualified. Mr. Reynolds has ever shown a deep and kindly interest in his pupils, and his ungrudging labours on behalf of the department have

been most highly appreciated. These and his sound learning and scholarship (particularly in the field of Roman Archaeology) will be as sorely missed in the department as his good sense and winning personality in the College generally. On leaving Aberystwyth he takes with him the best wishes of the department for his future.

### ENGLISH.

PROFESSOR J. W. H. ATKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate .....	55	3	52	44
Subsidiary .....	66	4	62	53
Final .....	39	—	39	36
1st year Honours .....	17	2	15	15
Honours .....	7	1	6	6
Research .....	1	—	—	—
<b>TOTALS</b> .....	<b>185</b>	<b>10</b>	<b>174</b>	<b>154</b>

The work of the Department has been conducted on lines similar to those adopted in previous sessions. The usual Courses were given and the results in the main were satisfactory.

Some amount of research work has been carried on in the Department. Mr. B. G. Charles, M.A., has now completed his second year as a University Fellow and has made good use of his opportunities. A part of his time has been occupied with preparing for the press his book, "Old Norse Relations with Wales," which, it is hoped, will be published in the course of the present year. At the same time he has collected much valuable material bearing on his Fellowship theme—"Non-Celtic Place-names in Wales"—and I look forward to the result with much interest. Mr. Lewis I. Lewis, M.A., is engaged on work for the Ph.D. degree. His subject is "Walter Pater"; and he has already done a good year's work. Miss I. Seaborne, B.A., has also been in residence, reading for the M.A. degree. Among the awards of higher degrees this year in English, must be mentioned those of M.A. conferred on Miss G. Griffiths, B.A., and Mr. D. Rees, B.A. The former wrote on "Stephen Phillips," the latter on "Modern Biographers." Mr. Rees, it might be added, returned home from Australia for this particular purpose. He goes back to Brisbane to take up editorial duties in the newspaper world.

The Honours Class this year was below the average in both numbers and attainments. The Class included seven in all; and of these the ablest student was compelled to withdraw from the Examination through ill-health. At the Degree Examination six were awarded Honours. Two were placed in Class II (Div. I.), three in Class II (Div. II.), and one in Class III.

The First Year Honours Class on the other hand was of a most promising quality. It numbered fifteen students, all of whom completed a satisfactory year's work, and worthy of special mention were J. A. Rogers and A. D. Lewis.

At the Final (Pass) Stage, out of 39 who sat the examination, 36 were successful. At the Subsidiary Stage out of 62 candidates, 53 passed the College examination, and at the Intermediate Stage out of 52 candidates 44 completed the Course.

As in previous years the teaching in the Department has been supplemented by short Courses of Lectures, given by Professor Barbier and Mr. D. Evans on French Tragedy and German Tragedy respectively. And I gladly take this opportunity of stating how much their help is appreciated by Staff and students alike.

My best thanks are also due to my colleagues in the Department, Miss Winstanley, Mr. Earnshaw and Mr. Palmer for their loyal assistance. And it is with pleasure that I record a further addition to Mr. Earnshaw's list of publications, namely, his *Selections from Keats* (Methuen).

### WELSH.

PROFESSOR T. H. PARRY-WILLIAMS.

There was an increase again this year in the number of students pursuing Courses in the Department.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary (Agric. Students) .....	12	—	—	—
Intermediate .....	38	2	33	26
Subsidiary .....	35	1	34	31
Final .....	30	—	30	26
Hons. 1st Yr. ....	1(+8)	—	—	—
Hons. 2nd Yr. ....	5	2	3	3
Post Graduate .....	5	2	—	—
TOTALS .....	114+12	7	100	86

Owing to the appointment of Mr. Thomas Jones, B.A., as temporary Assistant Lecturer, the burden of lecturing and teaching work, which in past years was borne wholly by two persons, was considerably lightened. The re-adjustment and new distribution of work consequent upon this appointment proved beneficial to the Department generally. Apart from this, the work was conducted on the usual lines and with quite satisfactory results on the whole. The comparatively large number of post-graduate students doing research in the Department during the Session made a more than usual demand on time and attention.

*Intermediate Stage.* The number of mature matriculants in this year's class was slightly higher than last year. They all took a conscientious interest in their work, and the large majority of them made very good progress and succeeded in passing the Intermediate Examination in June, although they naturally laboured under certain disadvantages. Most of the other members of the class did sound, satisfactory work. There were but few outstanding students. A few names may be mentioned: Miss Elizabeth Ann Rees, Mr. David Jones, Mr. G. Milwyn Griffiths, Mr. Gerallt Jones, and Mr. J. Wallace Thomas.



*Subsidiary Stage.* This class as a whole, although not containing many students of unusual ability, was an exceptionally good one. There were thirteen first year students in the class, and with one exception, they fully justified their inclusion in the class at the beginning of the Session. The whole class took a serious and lively interest in the Course, and the work done by them in class and examination revealed not only extensive reading of books recommended to them, but also, in some cases, much original ability. Special mention in this connection must be made of Mr. Ieuan Morgan Williams, Miss J. Ceridwen Williams, Mr. Elgar Phillips, Miss Elizabeth Megan Rees, Miss M. A. E. Richard and Mr. James Arnold Jones. One promising first year student, Miss Sydney Irwen Davies, had to leave College at the beginning of the Session because of ill-health.

*Final Stage.* The class was an unusually large one, and was, in every respect, exceptionally good, although the standard reached in the Sessional Examination was not as high as that of the Terminal Examinations. With one or two exceptions the work done by the members of this class was most satisfactory. There were nine or ten very promising students. Most of these followed the First Year Honours Course in addition to the Final Course, and this augurs well for next Session's Second Year Honours Class. The essays, class work and examination work of this Final Class was generally of very good quality, and the performance of the following deserves special mention: Miss Eluned Davies, Miss M. Elvira Thomas, Miss Rhiannon Collins, Miss N. Sewell, Mr. John Davies, Mr. Alban Dewi Lewis, Mr. Garfield H. Hughes, Mr. E. Gwyndaf Evans and Mr. J. Arthur Rogers.

*Honours Stage.* There were only three students in the Second Year Honours Class this session, two having withdrawn at the beginning of the session. The three worked very energetically and conscientiously, and their position in the Honours List is a fair indication of their attainment. Mr. Thomas Rhys Jones, B.A., and Mr. Elwyn Evans, both of whom had done very solid and satisfactory work throughout their undergraduate careers, were placed in the First Division of the Second Class, and Mr. W. Lewis Rowlands, who, also, had applied himself to his studies with unremitting energy, was placed in the Second Division of the Second Class.

*Post Graduate Work.* As stated above, there was at the beginning of the Session a comparatively large number of post-graduate research students. During the session, however, two of them (Miss Mair Irene Rees, B.A., who was working on some early prose texts, and Mr. I. Gwynfil Rees, B.A., who was doing research on the place-names of a district of Carmarthenshire) were appointed to posts in Secondary Schools. Mr. J. Meurig Evans, B.A., who took a First Class last year and was awarded a Sir John Williams Studentship, has been working on the Diction of Early Free-Metre Poetry, and Mr. Dewi M. Ellis, B.A., who has held a Sir John Williams Studentship for two years, has been continuing his researches into the Place Names of Montgomeryshire. He has collected an enormous amount of material from unpublished sources and has already begun to sift and arrange it. Both have been working diligently and efficiently.

The large piece of research work undertaken by Mr. J. J. Glanmor Davies, B.A., to which I referred in my report last year, was completed by him during the session and submitted for the Degree of Ph.D. The Degree was awarded to him, and the reports of the assessors were commendatory and most encouraging. Mr. Davies has for the last three years been doing very valuable pioneer work in the field of Welsh phonetics. The results of experiments conducted by him in the College Phonetics Laboratory, under the supervision of Dr. A. B. Thomas, have been interesting and illuminating.

Mr. D. Gwenallt Jones and Mr. Thomas Jones, the Lecturers in the Department, have been devoting as much time as possible to their own researches. The latter is investigating the texts of some pseudo-histories in Welsh and Latin. Mr. Gwenallt Jones's book on *Yr Areithiau Pros* has just been published by the University Press.

At the request of the Agriculture Department, a class was held for two terms in Elementary Welsh for some agricultural students. About a dozen attended regularly and took a keen interest in the subject.

As in former years some extra-mural work (lecturing, adjudicating, broadcasting, etc.) was undertaken by the staff of the Department during the Session.

My sincere thanks are due to my colleagues in the Department, Mr. Gwenallt Jones, who has recently been made full Lecturer, and Mr. Thomas Jones for their enthusiastic and loyal assistance and their devoted service to the Department.

**WELSH LITERATURE.**  
PROFESSOR T. GWYNN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final and	4	—	4	2
Hons. 1st Yr. ....				
Hons. 2nd Yr. and	2	—	1	1
Preliminary M.A. ....				
TOTALS	6	—	5	3

In the Final Stage, each student showed interest and industry and did much reading under difficulties, inevitable owing to the lack of suitable text-books for the use of students of literature, some of those available having gone out of print. Weakness in expression, due to deficiency in early training, was observable in some cases. In the Sessional Examinations, particularly good work was done by Miss Catherine Olwen Roberts and Mr. David Jenkins, whose papers showed comprehension and synthesis of more than ordinary promise. Mr. Jenkins, during the Session, carried out an original inquiry into the history of the place-names mentioned in poems attributed to *Dafydd ap Gwilym*, with some very interesting results.

In the Honours Stage, one student who pursued the Course proposes to sit the examination later under the Preliminary M.A. Regulation. His work was very satisfactory throughout. Mr. Glyn Rhys Hughes, B.A. showed exceptional keenness in his work, especially in comparative study. His essay on a special subject, prepared without assistance during the Session, was of first-class quality. In the Sessional Examinations, Mr. Hughes was placed in the First Class.

Miss Eirlys Evans, a former student of the Department, who also obtained a grant from the Sir John Williams Studentship Fund, has been awarded the Degree of M.A. for an exhaustive dissertation on the subject "Cysylltiad y Diwygiadau Crefyddol o 1730 hyd 1750 a Llenyddiaeth y Cyfnod."

Mr. Griffith Aled Williams, B.A., who was awarded a Sir John Williams Studentship grant last year, has been pursuing his parallel study of what has been called the "Fantastic Element" in Welsh verse and English verse by writers of Welsh origin. A studentship has been granted Mr. Williams for a second year.

During the Session the Head of the Department delivered lectures to local and other Societies on Welsh Folk-lore and Social History, and to the Welsh National Theatre movement on the history and character of Welsh Interludes.

### CELTIC RESEARCH AND PALAEOGRAPHY.

MR. TIMOTHY LEWIS.

Since my last Report the text of the *Black Book of Chirk*—the oldest and most important Welsh MS. of the Laws of Hywel Dda—has been published.

The oldest Welsh Version of Geoffrey of Monmouth's *Historia Regum Britanniae* is still in the Press.

I have for several years been engaged on the history of Celtic Religion, and this week I have completed for the press my *Historical Prolegomena to Brythonic Religion and Mythology*. It is an attempt to deal scientifically with the oldest strata of traditions common to Brython and Goidel and I hope to have it published soon.

Last year Professor J. Baudis (Professor of Comparative Philology in Prague 1919-24, Bratislaw 1924-33) died and left a MS. of a comparative Grammar of Welsh. He had hoped to publish it, but his health broke down and he had to leave it.

In accordance with his wish, and at the request of his friends, I am preparing this MS. ready for the press. The Philological Society has undertaken to publish it in two parts and the first is to go to the printer by Christmas.

I have also ready for the press a Glossary to the Welsh Life of Gruffydd ap Cynan and another MS. of Hywel Dda's Laws.

**FRENCH.**

PROFESSOR ANDRÉ BARBIER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	53	2	35	22
Subsidiary	34	—	32	27
Final	17	—	22 (including 5 Hon. 1st yr. Students)	17
Hons. 1st Yr.	12	—	No. Exam.	—
Hons. 2nd Yr.	12	—	12	12
<b>TOTALS</b>	<b>128</b>	<b>2</b>	<b>101</b>	<b>80</b>

The work of the Department was carried on the same lines as in the past; great importance was given to personal tuition to students in small groups, and to seminar work with Honours students. The progress of the Subsidiary, Final and Honours students was very satisfactory. In the Intermediate Class, the quality of about a third of the students was distinctly higher than in recent years; the rest came ill prepared, and some were not very regular in their studies.

Of the twelve students presented for the Honours Examination, three were placed in the first class, two in the first division, and six in the second division of the second class, one in the third class. I should like to mention the excellent record of Mr. Maelgwyn Rees Thomas, and of Mr. Garnet Rees.

Eleven candidates, all Honours students, were granted the Certificate of Oral Proficiency in French.

Three students who pursued last session the first year of their Honours course were appointed by the French Minister of National Education as English Assistants for the present session: Mr. John Beddoes in the Ecole Normale at Blois, Mr. Ivor Charles Green in the Lycée Théophile Gautier at Tarbes, and Mr. David John Griffiths in the Ecole Normale at Valence. They will return to continue their studies here next session.

Six students were given by the College Travelling Grants in June, 1933, and were able to spend the long vacation in various parts of France. Seven have received similar grants this June, after satisfactory pursuance of the first year of the Honours course, and arrangements have been made for their stay abroad this summer. The benefit derived by students from their travels in France and their personal contact with French people is of immense value not only to themselves, but to the department generally.

Seven past students are now engaged, under my direction, in the preparation of M.A. dissertations; none was ready for presentation this June, but several, I hope, will send in their dissertations in time for the January examination.

Mr. Jack Killa Williams was awarded last July by the University the Dr. Samuel Williams Fellowship. He was in residence this session. He has undertaken a very important piece of work on the French language of the XIVth and XVth Century. He has been actively engaged in planning out his work and in collecting material, and very interesting results will, I feel confident, appear next year.

Last December, Miss E. Margaret Phillips obtained the degree of Docteur de l'Université de Paris with the highest distinction which the University could award. Her work on "Philarète Chasles critique et historien de la littérature anglaise" was much praised by the examiners and it has been very favourably reviewed both in France and in this country. It constitutes a valuable contribution to the history of the literary relations between France, England and America.

To my colleagues, Dr. E. Margaret Phillips, Dr. A. B. Thomas and Mademoiselle A. B. Valour, I desire to express my great indebtedness for their loyal support and ever ready assistance.

*Publication by a former student.*

Mr. J. D. David Jones, *La tenson provençale, Etude d'un genre poétique, suivie d'une édition critique de quatre tensons et d'une liste complète des tensons provençales.* Paris, Droz. 1934, pp. 113.  
(a thesis presented for the degree of Docteur de l'Université de Paris).

Mr. Jones was a student of this College, First Class Honours French, 1923,—M.A., 1925,—Fellow of the University of Wales, 1927-9.

Mr. Jones had just been appointed Assistant Lecturer in the University College of Hull.

### PHONETICS.

DR. A. B. THOMAS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking Exams.	No. passed.
	26	2	19	16

Lectures have been delivered on General Phonetics and opportunities have been given for practice in transcription from French, German, Welsh and English. Mr. Glanmor Davies, B.A. has continued his researches in the Phonetics Laboratory under my supervision and has produced some excellent work which he has embodied in his thesis on the phonetics of the dialect of the New Quay district. I understand that he has been awarded the degree of Ph.D. by the University of Wales and that his work gained high praise from the examiners.

Monsieur André Classe, now on the staff of the French Department at Glasgow, formerly 'assistant' here, spent a week in the Phonetics Laboratory here towards the end of this session carrying out some interesting experiments on rhythm.

## GERMAN.

MR. DAVID EVANS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Science Class	10	No	examination	held.
Elementary	10			
Intermediate	45			
Subsidiary	27	1	26	22
Final	10	—	10	9
Hons. 1st Yr.	6	—	—	—
Hons. 2nd Yr.	3	—	3	3
TOTALS	111	6	79	67

The two Staff Classes were held this year as usual and the classes for Honours Students in Chemistry and Botany made good progress. Really good work will be done in these classes when the schools provide some elementary instruction in the language. This I find is done more and more in the progressive schools of South Wales and in two schools in North Wales. The advanced science student in all subjects is handicapped by inability to read research work in the subject in at least two foreign languages. Valuable time is lost by the research student when he has to pick up the rudiments of a language during his research studentship or fellowship. Every facility is given in the department for such students and a second language could be learnt in a small University town in the time wasted in the larger centres.

The Intermediate and Subsidiary Classes worked diligently and successfully throughout the session and the results were satisfactory. Every year there are unavoidable time-table difficulties, but occasional extra hours by the staff and perseverance on the part of the students enable all good students to get the full benefit of every course.

All the Final Class passed the Sessional Examination with one exception. Several did exceptionally well. The first year Honours students proceeded with their Honours work and showed considerable promise for next year. In the second year Honours class Mr. Davies was placed in the First Class, Miss Owen and Mr. Williams were placed in the Second and Third Class respectively.

Several students are working for the Magister Degree by research and possibly some theses will be submitted next session. Many students are going to Germany in the long vacation with or without travelling grants.

The German Circle was held regularly and some good work was performed by the advanced students.

I feel that the staffing of the Department is still very inadequate. The Head of the Department is the only full-time member of the teaching staff and the three assistants are only temporary and part-time in character.

The department has grown considerably and has the full complement of four grades as well as elementary and research students. Comparison with any other department would show great inconsistencies.

Mr. David Evans gave a course of lectures on the development of the theatre and the development of dramatic speech in Bangor, but Miss Cunningham found it impossible to pay us a visit this session. Lectures were also given on general subjects in many literary and religious societies.

In conclusion I wish to express my gratitude to Mr. Read for permitting my students to visit the "Cambrian News" Printing Offices and for the kind guidance and instruction of several members of the establishment, also to Dr. A. B. Thomas for lecturing on Phonetics to my Department, to Mrs. Guthkelch for the use of the Drawing Room for the German Circle, and to Dr. Freytag, Mr. Edwards and Miss Rees for unfailing help and loyalty in the work of the department.

### HISTORY.

PROFESSOR R. F. TREHARNE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	45	2	29 (13 transferred to Subsid. Exam).	22
Subsidiary	63	4	59 (+ 13 trans. from Inter)—72	67+1 granted Inter.
Final	38	—	38	34
Hons. 1st Yr.	10	—	10	10
Hons. 2nd Yr.	7	1	6	6—all in II. A divn.
Postgraduate	3 (1 in Welsh History)	—	—	—
TOTALS	166	7	155	140

The number of students registered in the Department at the beginning of the session was three less than last year and the number taking University Examinations fell by nine.

The *Intermediate* Class made a remarkable improvement upon last year's work. For various reasons—mainly the unsuitable nature of the Intermediate Course as it was in the period 1926-33, and also on account of shortage of staff—it was decided that, as a temporary expedient, Intermediate students should attend the Subsidiary lectures, though taking a special examination. By this means, the scope of their work was considerably curtailed, as in place of the former course extending from Ancient Greece to the present day, the Intermediate students now cover a period of Medieval and Modern European History from the fall of the Roman Empire to the European settlement of 1815. The Intermediate students, who, on entering College, are rarely well prepared in European History,

and who in most cases have done nothing but a restricted period of Modern History, found the more limited course far more manageable; their reading was greatly improved, their interest in and comprehension of the subject was increased to a remarkable degree, and their work in examinations was far sounder and more advanced than in any previous year since I came here. So great was the improvement that I was able to admit thirteen of the Intermediate students to the Subsidiary class, and in June twelve of these passed the Subsidiary examination and the thirteenth was granted a pass at the Intermediate stage. The temporary expedient has thus worked very well, and will be continued until the staffing of the department permits the institution of separate Intermediate lectures suitable to the attainments and standard of the majority of the class. On the standards of previous years, at least ten of the class would merit special mention: of these ten Mr. R. N. Butler, Mr. J. E. Carson, Mr. H. A. Hopkin, and Mr. M. James have especially distinguished themselves.

The *Subsidiary Class* presented no new features this session. There were only four failures, but the "tail" of weak passes, representing students who either are unwilling to work very seriously or who lack the intellectual capacity to master the subject is still longer than is satisfactory. The essay-group for students intending to proceed to Honours in History was again very large (fifteen in all), but only Miss Enid Vaughan Williams and Mr. Reginald A. Williams have produced work of consistent first class quality, and four members of the group have been advised not to proceed to the Honours Course. Of the other part of the class Mr. B. N. Davies has done work of special merit.

The *Final class* was larger than in any previous year, and contained an unusually high proportion of mature matriculants; it is, therefore a remarkable testimony to the hard work done by the members of the class that only four students failed. The course is an extremely difficult one, and quickly separates the good students who read independently and exercise their faculties of judgment from those who rely entirely on lecture notes and text-books. Work of high quality was done by Mr. J. W. Gronow and Mr. D. T. H. Price. On the other hand, there were many weak passes.

The *First Year Honours Group* is, in its general average, the best I have yet had in Aberystwyth. Of the ten members of this group, Mr. A. Beacham, Mr. Alun Davies and Mr. Alun Lewis have maintained a very high first-class standard throughout, and Mr. G. E. McGrath, Mr. P. G. Sudbury, Mr. C. R. Williams, and Miss Ethel Williams are scarcely behind them in achievement. The enthusiasm and independence of study shown by this group is its most pleasing feature, and I must also note the way in which some members of the class have overcome really serious difficulties presented by their inadequate training in French and Latin prior to their entry into the College. Their work promises excellent results for next session.

The *Second Year Honours Group* was not, in our original estimate, a strong one, but at least three of its members, by sheer hard work and determination, improved themselves from IIB to IIA quality, with the remarkable result that all six who took the examination were placed in the first division of the second class in the Honours List. The keenness and steady application of this group was a very pleasing feature of its work throughout the session, and has carried a stage further the department's policy of refusing to admit to Honours, students who may obtain a third-class degree, and of seeking also to eliminate as far as possible those who would probably be placed in the second division of the second class.

*General (i).* I would again emphasize the points made in last year's report, that essay-classes ought to be established to assist the Pass Students



to improve their reading and their written work and to practise independence of judgment : that several otherwise suitable candidates, owing to inadequate school-preparation in French and Latin, cannot proceed to Honours in History ; and that the map-work of students is of vital importance, especially at the Intermediate and Subsidiary stages. On this last point I am pleased to be able to record a remarkable improvement in the work of Intermediate and Subsidiary students : considerable use is being made, in private study, of the department's collection of Historical Wall-maps, and the map-work of the students in examinations has improved beyond recognition, though doubtless we shall always have a few students who are utterly incapable of using maps. To emphasize our policy in this matter, we shall henceforth require Entrance Scholarship candidates to answer at least one compulsory question which will involve filling in a blank outline map.

(ii). The impending vacancy of the Chair of Colonial History has afforded an opportunity of reconsidering the questions of departmental policy and staffing. While final consideration of the second question has been deferred to next session, the problem of the department's policy, in relation to its courses and to the types of students which we desire to produce, has been exhaustively considered. With the assistance of the Heads of other interested departments, the Professors of History have produced a scheme for the greater integration of our resources in the teaching of History, and it is certain that the adoption of this scheme will greatly enhance the prospect of establishing in Aberystwyth an important centre of historical teaching and research. Under this scheme all honours graduates, whatever their special interest, will receive the broad training in general History upon which any special study must be based, while greater variety of specialisation will be encouraged. In particular it is hoped that the Scheme will encourage History students to choose International Politics and Welsh History as special options more freely than hitherto. The scheme also provides for the production of graduates (both pass and honours) whose special training in Welsh History will be unsurpassed by that afforded in any other College. In short, the scheme affords a complete integration of our resources for the teaching of History, and offers the maximum of satisfaction to each of the different special interests available. Its adoption would give Aberystwyth a place in historical studies quite unique among the smaller Universities and Colleges of Great Britain. The teachers of History owe very hearty thanks to the Acting-Principal and to the other heads of departments whose assistance and co-operation in preparing the scheme has been a fundamental condition of its production.

*Research.* Mr. F. R. Lewis, B.A. has completed his thesis on *Richard of Cornwall, King of the Romans, 1257-1270*, and has been awarded the degree of M.A. with distinction. This thesis is the most remarkable piece of work I have ever seen submitted for the M.A. degree, and forms what will probably be the definitive biography of Richard unless new material comes to light at some future date. It also offers to British students the first satisfactory summary, in English, of the mass of work done by German historians on the political and constitutional development of Germany during the thirteenth century, as well as throwing new light on a number of detailed problems of English history. The results achieved by Mr. Lewis are obviously too important to be allowed to remain buried in a thesis and steps are being taken to discover means for publishing this very solid contribution of historical studies. Mr. Ivor J. Sanders, B.A., has completed the first year of his work on *The Political Activities and Influence of the Franciscans in England during the Thirteenth Century*, and in doing so has had valuable guidance from Dr. A. G. Little, M.A., Litt.D., F.B.A., the President of the British Society of Franciscan Studies. Mr. Sanders has already compiled a very useful *Who's Who* of the Franciscans in

England, and has shown a very genuine flair for historical research, making some interesting and significant discoveries by methods of surprising maturity in judgment and skill in technique. The research seminar in historical method has again been carried on for two terms this session, with very profitable results, the medieval seminar library being the centre of its activity.

I have to thank very warmly for their valuable co-operation Mr. E. D. T. Jenkins and Mr. J. Morris, who provide special courses for my second-year students, and Professors E. A. Lewis and T. S. Roberts, for their help in the Final and First Year Honours Courses. Professor Roberts, who retires this year, has throughout taken the important Final course in Modern British History, without which the History degree scheme could not work: his importance in the working of the department is, therefore, obvious; and to my thanks for his help I join my good wishes and those of Mr. Herbert, for his happy and prosperous retirement. I also wish to thank Professor Greene for the use of the Library of the Department of International Politics, without which Mr. Herbert's special subject could hardly be taught.

*Extra-Mural Activities.* Mr. Herbert lectured to a Vacation School for History teachers, organised by the Board of Education at Easter in the College; he has conducted two week-end schools for the Workers' Educational Association, and is to lecture to the Workers' Educational Association Summer School at Oxford in July. He has also lectured to the South-West Wales branch of the Historical Association at Carmarthen. I have lectured to the Bristol and the Leicester branches of the Historical Association, and to the local Chapter of the clergy of the Church of Wales. I have taken part in the work of the Joint Committee on co-operation between Historians, Archaeologists, and Geographers set up by the Royal Historical Society and other societies at the instance of the Anglo-American Conference of Historians, and I was invited to write the report on the teaching of History in the University of Wales for the International Congress of Historians.

In conclusion, I wish to record again my most sincere thanks to Mr. Sydney Herbert, the value of whose whole-hearted co-operation becomes greater every year as the growth of the History School thrusts upon him new duties and responsibilities each session.

*Publication by a student:—*

Mr. F. R. Lewis, M.A.

"William of Valence, Earl of Pembroke"—part I to appear in the forthcoming number of "Aberystwyth Studies."

## COLONIAL HISTORY.

PROFESSOR T. STANLEY ROBERTS.

There were no students pursuing Courses in Colonial History.

### *British History from 1485.*

Final and First Year Honours. There was a large and interested class of students pursuing this course of study. Colonial History occupied an important place in the work done. It is of interest and of some considerable importance that a number of the men students who took this course entered College as mature matriculants. Their work was good, and it is to be hoped they will succeed in obtaining posts for which they have qualified themselves. There were very few failures amongst all the members of the class.

During the session lectures were given by me to the students of the Training Department on the Revival of Learning.

## WELSH HISTORY.

PROFESSOR E. A. LEWIS.

*Degree Courses in Welsh History.* Optional courses, as in Sessions 1931-33, were offered in the History and Economics departments. The special period "Wales under the Tudors" was taken by seven students, of whom five were successful in the University Examinations in June. The class was a thoroughly keen and active one, and much creditable independent essay work was done in the course of the session. On review, during the past three sessions, the number of history students offering Welsh History as part of their historical studies in the College has been somewhat disappointing. In the near future, for reasons indicated in my previous reports, I trust that it will be found possible to make provision for general outline courses in Welsh History at the Intermediate and Subsidiary grades.

*Palaeography Class.* The number of students in this class was gratifying. Ten students, including three members of the Records Department of the National Library, attended at various periods in the course of the session. Of these, Miss Gwyneth Owen did very creditably in the Palaeography and Diplomatics paper in the examination of the British Library Association.

*Postgraduate Work.* There were three postgraduate research students in residence. (1) Mr. Dyfnallt Owen, B.A., holder of a University Fellowship, continued his investigation on "Agrarian conditions and changes in West Wales during the Sixteenth Century." Some of the results of his work were embodied in a sound and valuable paper on "The Granges of Strata Florida at the eve of the dissolution of the Monasteries," which will be published in a forthcoming volume of the Cardiganshire Antiquarian Society. (2) Mr. A. J. Roderick, B.A., holder of a Sir John Williams Research Grant of £150, made excellent preliminary progress with his study of "Anglo-Welsh relations during the reign of Henry III with special reference to constitutional matters." (3) Mr. J. Vyrnwy Davies, B.A., holder of a Sir John Williams Research Grant of £40, was engaged upon a study of "The Diocese of St. David's during the first half of the Eighteenth Century," based mainly upon the Ottely Papers recently deposited in the National Library of Wales.

*Personal Research Work.* Considerable time was devoted to the classification and calendaring of the manorial and other records—"The Wynnstay documents" (some 3,000 MSS)—lately placed in the National Library of Wales by Sir Watkin Williams-Wynn. In connection with this work I also compiled a volume comprising a complete abstract of "The Extant Proceedings of the Court Leets of the Lordship of Arwyslli (1784-1830)"—an array of evidences throwing important light on social and agrarian conditions in Rural Arwyslli during the period of the French and Napoleonic wars. Several weeks were also spent at the Public Record Office, London, upon the examination and calendaring of about eight-hundred cases relating to Wales in the proceedings of the Chancery Court and the Court of Requests. Some four thousand cases remain to be examined for the purpose of a Calendar which will be published in due course under the auspices of the Board of Celtic Studies.

**PHILOSOPHY.**

PROFESSOR R. I. AARON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	50	2	46	36
Subsidiary	16	1	15	14
Final	9	—	11	7
Hons. 1st Yr.	3	—	4	4
Hons. 2nd Yr.	5	—	1	1
Research (for M.A.)	3	—		
<b>TOTALS</b>	<b>86</b>	<b>3</b>	<b>77</b>	<b>62</b>

There was a slight increase in the number of students in the department this session. The increase, however, necessitated no change in the method of teaching. The Honours students prepared an essay a week, and every other student one a fortnight. We found this method very beneficial and put our main trust in it. With the higher grades we discussed each essay carefully in returning it. If these methods are to be continued, it is to be hoped the department will not grow too rapidly; although, perhaps, the study of philosophy and reasoned reflection upon the ultimate problems of human destiny cannot but make a strong appeal to students of University calibre, and numbers may well increase. By a careful process of elimination, the quality of the students in the department has, I believe, been much improved and in two years' time we hope to produce a very good Honours group.

*Intermediate Stage.* This proved to be a lively class with a good sprinkling of mature matriculants. The latter worked creditably, and the class as a whole showed promise.

*Subsidiary Stage.* This was the best group of the year. There was one failure only in the sessional examination. It was one of the brightest classes I have ever taught.

*Final Stage.* The Final Class was rather slow, but there were some good results. The First Year Honours people took the Final Course and a new course in metaphysics in addition. Their work was quite satisfactory.

*Honours Stage.* There were five students of whom four only took the papers. Mr. W. Arnold and Mr. K. O. Morris were placed in the first division of the Second Class and Mr. D. R. Griffiths and Mr. G. R. Tilsley in the second division. The work of these students was good without being brilliant. It improved greatly during the course of the year.

*The Research School of Philosophy.* During the session we were able to institute the first research school of philosophy at Aberystwyth. It consisted of five persons, occasionally joined by two others, who spent Friday evenings together. Throughout the week they worked on subjects closely allied and pooled their results on Friday evenings. Of the five constant members, four were researching for M.A. The subject of discussion was the problem of the self in all its varied aspects. Some excellent

work was done and the staff find this as valuable a drilling as the students, in fact the distinction between staff and students ceases to exist in this school. The school will be continued next year and as long as there are a sufficient number of research students in residence.

I also supervised the researches of each student individually and advised them on work submitted for my reading. Miss Megan Pryce Evans contributed a very competent piece of exposition for examination for the M.A. on the theory of the self in Locke, Berkeley and Hume and was successful in gaining the degree. From the first there was no doubt about the result. Mr. J. R. Jones made excellent use of the Research Studentship granted him and has produced important results in a difficult field, the relations between Spinoza's doctrine of *scientia intuitiva* and the concrete universal. Mr. Jones leaves in October for Balliol and the department hopes much from him in future. Mr. H. V. Morris Jones also has grown rapidly in philosophical power, and is forging ahead with his researches on the relations between Spinoza and McTaggart in connection with the problem of immortality; while, lastly, Mr. G. O. Roberts is doing excellent work on the nature of personality, also with particular reference to the problem of immortality.

The Philosophical Society is more than flourishing. It is becoming the centre of a good deal of what is valuable in the intellectual life of the College. Membership is not confined to students in the department and people in the district and outside College who are interested in philosophical discussion are welcomed. During the session we were visited by two eminent Oxford philosophers, Mr. H. H. Price of Trinity and Mr. H. W. B. Joseph of New College.

The department grieves the loss of my predecessor, Professor Jenkyn Jones. Even after his retirement he was very keenly interested in the work of the department and was very ready to help in all ways possible. His death has robbed us of a good friend and wise counsellor.

I am deeply indebted to Dr. Davies, who has now been appointed to the grade of Lecturer (*a*) and to Mr. E. S. Budden, who leaves us for Reading, for their loyal and devoted service throughout the year. The departure of Mr. Budden, which is very much regretted not only by the staff but also by the students amongst whom he was most popular, has left a vacancy which has now been filled by the appointment of Mr. Karl Britton. Mr. Britton had Firsts in History and Philosophy at Cambridge, and has spent two years researching under Dr. Whitehead at Harvard, U.S.A. He is an ex-President of the Cambridge Union and will, we feel sure, prove himself a capable teacher of philosophy.

Dr. Davies has completed another successful year as tutor to the extra-mural class at Dinas Mawddwy and both of us have given various lectures and read papers to various Societies outside Aberystwyth during the course of the year.

. We can report that this session again has been quite successful.

*Publication by a student.*

Mr. J. R. Jones. *Traethodydd* II. 4. (Oct. 1933). *Spinoza* (pp. 215-226). (A tercentenary article on Spinoza.)

**EDUCATION.**

PROFESSOR C. R. CHAPPLE.

*Training Department.*

<i>Degree Classes.</i>				<i>Men</i>	<i>Women.</i>
First Year	....	....	....	34	26
Second Year	....	....	....	34	26
Third Year	....	....	....	30	28
				98	80

	<i>Men.</i>	<i>Women.</i>	<i>No. completed qualification</i>	
			<i>Men.</i>	<i>Women.</i>
<i>Professional Training.</i>				
Students taking University of Wales Teachers' Diploma	49	38	47	38
Students taking College Examination for the Board of Education Certificate	4	2	4	2
	53	40	51	40

In addition to the above, six ex-students (4 men and 2 women) successfully passed their qualifying examination.

*Degree Classes in Education.*

<i>Grade.</i>	<i>No. of Students registered at beginning of Session.</i>	<i>No. withdrawn during the Session.</i>	<i>No. taking University Exams.</i>	<i>No. passed.</i>
Subsidiary	17	—	15	12
Final	5	—	5	5
Hons. 2nd Yr.	1	—	1	1 (Class IIb)
<b>TOTALS</b>	<b>23</b>	<b>—</b>	<b>21</b>	<b>18</b>

## ANALYSIS OF EMPLOYMENT RETURNS OF STUDENTS WHO LEFT THE DEPARTMENT IN THE YEAR 1933.

Posts were obtained in :—

(a) University College....	1
(b) Secondary Schools	24
(c) Central Schools	15
(d) Elementary Schools	43
Obtained employment as analytical chemist	1
	84
Engaged in Research or further degree studies	13
Unemployed	24
No information	3
	124

## LOCALITIES IN WHICH THE STUDENTS OBTAINED POSTS :—

Wales and Monmouthshire	.....	.....	.....	.....	.....	38
London and District	....	....	....	....	....	18
Lancashire	.....	.....	.....	.....	.....	4
Midlands	.....	.....	.....	.....	.....	7
Yorkshire	....	....	....	....	....	4
Other English Counties	.....	.....	.....	.....	.....	13
						—
						46
						—
						84
						—

Little by little the ancillary professional subjects—Music, Art and Crafts, Physical Training, Needlework, have received consideration and support. But what is, and what must remain the central subject of study—the theory and practice of Education has still a long way to go in the way of provision and equipment. A University Department of Education should be in a position to organise and conduct :—

- i. Courses in Education as parts of schemes of study leading to degrees in Arts and Science of the University of Wales.
- ii. Professional courses in pedagogy for students preparing for the Certificate of the Board of Education and/or for the Diploma in Teaching of the University of Wales.
- iii. Tutorial or other courses for graduates desirous of pursuing the study of Education beyond the graduate or diploma stage.
- iv. Lectures or courses of lectures on subjects connected with Education at centres outside the town of Aberystwyth, in co-operation with organised bodies of teachers, educational authorities, and others concerned with education.
- v. Conferences of teachers, administrators, social workers and others to discuss educational topics with recognised experts in the subjects of discussion.
- vi. In co-operation with the proper departments of the College, "refresher" courses in the subject-matter and pedagogy of the various subjects of instruction in the schools.

The staff of the Department, in co-operation with its advanced students, should be able to :—

- a. carry out experiments in education in the schools, which local authorities may desire, and report on the conduct of the experiment and its results.
- b. carry out investigations and special enquiries for local authorities.
- c. act as supervisors or special examiners in connection with any matter upon which the local authority desires accurate and scientific information.
- d. to act as indicated in a, b and c for educational bodies other than local education authorities.

i. and ii. at present form the ordinary work of the Department. We are in no position at present to deal adequately with the other sections. Even in our ordinary work we cannot do what we would. As an illustration the changing conception of the education which should be given

to children who will not enter the professions or continue their studies in the universities is leading to changes in school organisation, and necessitating changes in the training of teachers. The curriculum of the Training Department of this college has been continually revised in view of modern requirements, as far as this can be done within the college walls. But it is being increasingly realised that a large proportion of our students, those who will teach in schools other than secondary schools of the "county" or "intermediate" type, must be given opportunities of visiting those institutions with which the modern school is co-ordinated. Important institutions are being developed in such centres as Cardiff, Birmingham and Liverpool for dealing with retarded, sub-normal and delinquent children. In certain areas in South Wales special schools are being organised for training unemployed young people along vocational lines. Every member of the department feels that facilities for visits to such institutions (and, in the case of selected students, for prolonged observation and possibly participation in their work) are essential. If these centres were abroad, it would be possible to secure grants from the "Traveling Scholarship" funds; but, since they are in Great Britain, no such help is available. We feel that the situation is an anomalous one, but we are at present unable to see any way out of the difficulty.

Dr. Gwenan Jones has given assistance on the psychological and pedagogical side at the Coleg Harlech Summer School for Sunday School teachers, has delivered lectures on Sunday School work and given help to groups of teachers concerned with social education.

Dr. George H. Green has addressed the Llanelly Women's Local Government Association ("The Psychology of the Child"); the Llanelly Art Society ("Psychology and Art"); the Llanelly Rotary Club ("Education for Leisure"). In addition he delivered a series of three lectures to the E.H.A. Summer School at Aberystwyth in August, 1933, the substance of which has formed the basis of articles in the Educational Handwork Association's Journal; and a series of four lectures dealing with art and psychology in the Department of Art and Craft. He has been invited to Geneva as the guest of the L.N.U. (London) to the summer school of the Geneva Institute of International Relations; and to address a conference of teachers which will follow the summer school. He is also delivering the Inaugural Lecture of the Barry Summer School.

Mr. Edwards continues his work with the Urdd Gobaith Cymru together with the Editing of *Cymru'r Plant* and has prepared films bearing on Welsh language and Welsh history. These will be the centre of educational experiments next session in conjunction with Dr. Gwenan Jones.

The Education Section of the British Social Hygiene Council has asked Miss Creed for specimens and models for biological teaching made by our students in her handwork class. These will be contributions towards a permanent collection of exhibits calculated to be of use to teachers of biology in all parts of the country and to be installed in London shortly.

I have written an article in the Welsh Secondary Schools Review summarising an address to the Welsh Secondary Schools Association on the choice of candidates for the Training Department and have been asked to write a life of Professor Foster Watson for the Dictionary of National Biography.

Education suffered a great loss in October last in the death of Dr. G. P. Williams, a former student of the Department and His Majesty's Chief Inspector of Schools for Wales. Greatly influenced by the spirit



and example of Principal Roberts and Sir Owen Edwards, like them he wore himself out in the effort to do what was possible to him to make the Wales of his ideals a concrete reality. His single-minded devotion and his capacity made him a source of strength and honour to the Principality in Whitehall. He was succeeded in the post of Chief Inspector by another old student of the Department—Mr. W. J. Williams.

I am much indebted to and very grateful for the harmonious and most willing co-operation of all my colleagues in the Department. A large proportion of the most anxious and responsible work is shared particularly by Miss Roberts and Mr. Pinsent.

## ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR R. B. FORRESTER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ....	97	10	81	65
Final .....	43	—	44	37
Hons. 1st Yr. ....	(9)	—	—	—
Hons. 2nd Yr. ....	12	—	11	11
Other Honours .....	7	—	7	7
Post Graduate .....	1	—	—	—
TOTALS .....	160	10	143	120

### *Progress of Classes.*

The number of students pursuing the various courses in the Department (160) showed a further distinct increase; the Subsidiary class was very large (97). It is, of course, a matter of surmise how long such high numbers may be maintained, but it is of interest to note the steady rise in the numbers studying economics within the last five years.

The Subsidiary class had a large number of students who showed distinct promise but this year it had also a tail of students who failed to get a firm grip upon the subject. The various alternatives offered at the Final stage was taken by 43 students, of whom 40 took the Economics Final; three Economics and Politics; ten students took the course in Statistics, which is a very useful option. The standard of achievement in this class was distinctly good and a number of its members should be capable of high achievement in the Honours classes.

The Honours class number 12, of whom two were associated with Agricultural Economics. Of the ten who took Economics, four were placed in the First Class, Mr. J. B. Jones, Mr. J. R. E. Phillips, Mr. D. Osborne and Mr. Anelyf W. Rees, four were placed in the First Division of the Second Class, and two in the Second Division. This class worked remarkably steadily, kept its health and freshness and was in my opinion the strongest class I have had since I came to Aberystwyth. The Department has often been fortunate in the work of its adult matriculants, but Mr. J. B. Jones deserves special note as his result is a fine achievement for a man older than the average. Mr. Anelyf Rees has now

been awarded first class honours in both History and Economics ; he has been specially associated with the Department of International Politics ; he must rank as one of the best all-round men the College has produced in the field of Political Theory and International Politics. One post-graduate student, Mr. Ifor Jenkins, worked in the Department and three others have been unofficially directed in their work for higher degrees.

It is worth noting that a new avenue into business has been followed by a graduate of this Department, Mr. R. A. Smith, (B.A., Class 1, Economics Honours, 1932). Mr. Smith entered the Department of Business Administration at the London School of Economics for a year and has now been appointed to a post with a Liverpool business firm.

*Staff.* Mr. Percy George, who has been on leave of absence during the Session 1932-33 as a Rockefeller Foundation Fellow, has returned to his duties ; he has had the opportunity of observing the uses made of Statistical Methods in scientific work in the U.S.A., and has given some thought to the developments which might best serve the work of this College. The subject of economic statistics has been developed in this Department but the general subject of Statistical Method is one which touches many other departments. I may mention among these :—

- (1) The Agricultural Economics Department.
- (2) The Seed Testing Station.
- (3) The Biological Departments.
- (4) The Mathematical Departments.
- (5) The Education Department.

It is a question worthy of consideration whether some development in teaching statistical methods should not be undertaken shortly ; it would certainly attract considerable numbers of students.

Mr. J. H. Morris presented his thesis upon the Woollen Industry of the West of England, 1760-1830, to the University of London for examination, and has been awarded the M.Sc. (Economics) degree.

The Department received a welcome visit from Dr. W. F. Bruck, Visiting Professor in the University College of South Wales and Monmouthshire ; his various addresses upon Capitalism and Socialism in Germany, the functions of the employer, the conception of planning, were well received and thoroughly stimulating. It is to be hoped that Dr. Bruck will again be able to visit this College as his influence is of great value to the student. I visited Bangor under the scheme for the interchange of college teachers and lectured to the students of the economics department upon the Theory of International Trade.

*General.* In my first report to the Court of Governors for 1931-32; I called attention to the need for considering the arrangements for teaching the more foundational aspects of Political Science. This subject is not taught in the department of Economics. I am of the opinion that the subject of Political Theory should be taught in the Department of International Politics ; it is the essential basis of any sound educational training in that department and it appears to me to be the avenue by which that Department can best associate itself with the Departments of Economics and of History as well as with undergraduate work. I understand that my predecessor in the Chair of Economics, Dr. E. A. Lewis, holds this view and I have reason to believe that Professor Jerome D. Greene was sympathetic to this position.

To Mr. Percy George and to Mr. J. H. Morris, I wish to express my indebtedness for their support and assistance. My sincere thanks are also due to my colleagues for their co-operation, to Professor A. W. Ashby, Professor Jerome Greene, Dr. J. Vranek and to the extra-mural tutors, Dr. Hughes Griffiths and Mr. Hughes Lewis.

### INTERNATIONAL POLITICS.

REPORT BY PROFESSOR JEROME D. GREENE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final .....	4	1	3	2
Honours 2nd Yr. ....	2	1	1	1
TOTALS .....	6	2	4	3

Having visited the United States during the Summer Term of 1933, in order to follow as closely as possible the extra-ordinary economic and political crisis with which President Roosevelt's term of office began, I made an extended trip through the Middle West and the extreme North West in order to observe in those disturbed areas the beginnings of the recovery measures so startlingly and rapidly set on foot. I had a large number of interviews with leading bankers and merchants in Chicago, Minneapolis, Spokane, Portland, Oregon, Seattle and Vancouver, and at some of the smaller intervening towns had glimpses of the state of mind of farmers, railway workers and others more representative of the masses than were the leaders of finance and industry. This journey coincided with one I should have made in any case, in order to attend the Fifth Biennial Conference of the Institute of Pacific Relations, of which I was Chairman. This was held at Banff, Alberta, during the second half of August, and produced a most illuminating, if not otherwise fruitful discussion, enlivened by the presence of members from China and Japan, as well as from other countries having territories in the Pacific area. At the close of the Conference I retired from the chairmanship.

I then returned to New York, stopping only for a day in Montreal where I was most kindly entertained by Principal Sir Arthur Currie, a former member of the Institute of Pacific Relations, whose lamented death occurred during the past winter. I also visited the notable Chinese Collection at McGill University Library. From New York I sailed on September 8th, landed at Cherbourg and proceeded to Geneva where I attended the Fourteenth Assembly of the League of Nations.

Returning to Aberystwyth before the end of October I made it my base during the rest of the Michaelmas Term, while filling lecture engagements in Wales, England and Ireland. In London I continued to profit by the kind hospitality of the Royal Institute of International Affairs and served as a visiting member of its Institute of Pacific Relations Committee. I also served as a member of the British Co-ordinating Committee for the International Studies Conference.

During the Lent Term I was in residence and gave a course of six public lectures on "International Conflict and Adjustment." At various times during the year I lectured at Liverpool University; Queen's University, Belfast; Trinity College, Dublin; Cardiff (three lectures); Haverfordwest; Aberdare; Stoke-on-Trent (three lectures); Harlech; and for students' organisations at Aberystwyth. On November 1st I gave a lecture at the College on "The American Recovery Programme." On January 3rd I gave a lecture before the Geographical Association at their annual meeting in London on "The American Outlook on the Pacific."

In bringing to a close the short period of my service as Wilson Professor I wish again to express my gratitude to the authorities of the College, and especially to the Advisory Board of the Wilson Chair and the Principal, Sir Henry Stuart-Jones, for the opportunities and the unfailing co-operation they have given me. Finally, I must thank my colleagues of the Staff and, particularly, my Assistant Lecturers, Dr. and Mrs. Vranek, without whose steady and able carrying on of the work of the Department, during both my absences and my terms in residence, I should have been quite unable to discharge the duties of the Chair.

#### REPORT BY DR. JIRI F. VRANEK.

*Undergraduate Lectures.* The usual lecture courses for Final and Honours students were delivered in the Department of International Politics by Mrs. Vranek and myself. Mr. W. H. Jones, of the Department of Agricultural Economics, kindly addressed the Honours class on "The International Control of Wheat Production" in the Summer Term. Besides the three registered students of the Final stage (of whom one failed in the sessional examination) there were several unregistered students from other departments who attended the lectures, but did not sit the examination. Mr. Anelyf Wyn Rees received his First class Honours degree in Economics; his work in the Department of International Politics was highly satisfactory throughout the year.

*M.A. Theses.* There are at present four students working on M.A. theses to be submitted in this Department:—Miss A. Dorothy Hooper, B.A., "League of Nations' Activities in Connection with the Drug Traffic"; Mr. Ifor B. Powell, B.A., "The Government of the Mohammedan and Pagan Tribes of the Philippine Islands"; Mr. A. Ronald Pugh, B.A., "The Polish Corridor"; Mr. Penry Samuel, B.A., "The Origin and Evolution of the Assembly of the League of Nations."

*Departmental Library.* Owing to the difficulty of obtaining the publications of the League of Nations and of the International Labour Office in the early years of the existence of these institutions, the Departmental Library showed certain gaps in the various series of publications. A great effort has been made during this year to obtain all the missing documents and to make the Departmental Library unique in the completeness of its records.

The Library has been re-catalogued, with a view to effecting a more scientific organisation which will facilitate the work of students.

The International Politics Library is now being used extensively by students in the Department of Economics as well as in the Department of History. Honours students in the latter Department who specialise in the course on Nineteenth Century Diplomatic History given by Mr. Sydney Herbert rely almost entirely on the complete sets of Governmental documents supplied by this Library. (It is noteworthy that this section of the Departmental Library is also being used by Honours students from the other Constituent Colleges, e.g., Swansea).

The Library has benefited greatly by the generosity of Professor Jerome D. Greene, who, during his tenure of office, presented no less than 146 volumes, particularly on Far Eastern affairs.

*General.* In August, 1933, I delivered a lecture on "International Relations from the Congress of Vienna to the Conference of Paris" at the Junior Summer School of the League of Nations Union in Geneva.

In December, 1933, I was co-opted as a member of the British Coordinating Committee on International Studies, and have, throughout the year, represented either Professor Jerome D. Greene or directly the Department at the meetings of this body.

In April, 1934, I gave an address on "The Problems of Central Europe" at the Easter Conference of the League of Nations Union at Bristol.

A REPORT ON THE DEPARTMENT OF INTERNATIONAL POLITICS SUBMITTED TO THE ADVISORY BOARD OF THE WILSON CHAIR OF INTERNATIONAL POLITICS BY PROFESSOR JEROME D. GREENE, MARCH 20TH, 1934.

The Wilson Professor was asked by the Advisory Board at their meeting in London on December 11th, 1933, "to prepare a survey of the work of the Department since its inception, for the purposes of review." The following survey, with comments thereon, is submitted in compliance with that request.

The Deed of Trust establishing the Chair of International Politics was executed on the 22nd December, 1922. Professor Alfred E. Zimmern was, however, appointed Wilson Professor on 25th April, 1919, and was in residence during four weeks of the Summer Term. Mr. Sydney Herbert was appointed Lecturer at the same time and began work on the 23rd May, since when he was continuously associated with the Department until 1930. Having during the previous year also served as part-time Lecturer in the Department of History, he has from then on been associated exclusively with that Department. Professor Zimmern was succeeded by Professor C. K. Webster who served from 1922 to 1932. In 1925-26 Miss Lilian Friedlander served as Assistant Lecturer in Mr. Herbert's absence. In October, 1930, Dr. and Mrs. Jiri F. Vranek, combining an Assistant Lectureship between them, took Mr. Herbert's place and are still in the service of the Department. In 1932 Professor Webster resigned to accept a Professorship at the London School of Economics and was succeeded by the present incumbent.

During Professor Zimmern's tenure of the Chair the Prospectus announced "formal lectures" on "current international problems" without a more precise statement. Informal instruction was given "to individual students and groups of students on various aspects of the subject according to their needs and capacity."

With the arrival of Professor Webster the announcements in the Prospectus assumed a more definite academic form. In addition to a general course of public lectures in the Lent Term and weekly discussion meetings throughout the session, two "Courses" were announced. The first, marked "mainly for History students," was on "the Development of International Government in the Nineteenth Century" and was given in the Lent Term. The second, marked "mainly for students of Economics and Political Science," was part of the curriculum for the Final and Honours Examination of the Department of Economics, and covered the following topics: (a) Comparative Politics—a comparative study of Constitutions;

(b) International Politics and Administration, with special reference to the League of Nations and the International Labour Organisation. Professor Webster also offered a course on Diplomatic History for History students.

No significant change was made in the instruction offered until the session of 1929-30 when the announcement of the course on the Development of International Organisation in the Nineteenth Century was discontinued and History students as well as Economics students were encouraged to take the other course, namely, that on International Politics and Administration; and the course became part of the curriculum for the Honours Examination of the Department of History, as well as remaining part of the curriculum for both Final and Honours Examinations in Economics and Political Science. While the form of the announcement has been slightly changed for the present year the instruction is being continued substantially as before, though, unfortunately, the course on Diplomatic History given by Professor Webster for History students had to be given up when he resigned.

Owing to the provision made by the Deed of Trust for the use of a considerable part of the Professor's time in travel or residence abroad, the Department has always relied on the junior staff to carry the greater part of the routine teaching and the present Professor has had to rely on such assistance even more than did his predecessors. Mr. Herbert's transfer to the History Department, while being an appropriate use of his special qualifications, was a serious loss to the Department, though his place has been competently taken by Dr. and Mrs. Vranek.

The resort of students to the courses in International Politics has been small, but the reason for this is obvious in a College where so large a proportion of the students feel a pressure to pursue a more conventional course of preparation for the teaching profession. More to be regretted than the smallness of numbers is the fact that those who do attend are limited in fact, though not by any formal obstacle, to students of Economics, for whom Comparative Politics and International Politics, at both the Final and the Honours stage, are an optional part of the curriculum. This is true of the Honours stage for History students, "but none are enrolled.

In his report on his first full year's work, Professor Zimmern said: The study of International Politics pre-supposes a good grounding in modern history and in political theory, and also a wider range of knowledge and interest than is common among the students at the present time. After a year's experience I have, therefore, decided that I can best meet the needs of the College by treating International Politics as a post-graduate subject and doing what I can to meet existing needs by lectures and instruction on more elementary lines.

This is one way, but I venture to think not the only way, of meeting the situation. While it is true that our students are not, for the most part, well-qualified to study International Politics, their deficiencies would be partly met by the re-establishment of the course which Professor Webster gave for five years on "Development of International Government during the Nineteenth Century," and better still by such a Final Course as I have recently recommended, to be given by Mr. Herbert on "The History of International Organisation from the Congress of Vienna to the Versailles Conference." The complete Final course would include, in addition to this historical background, the present third-year courses in Comparative Politics and International Politics. In the present course in Comparative Politics Dr. Vranek gives a few introductory lectures on political theory,

but he does not regard this as more than a make-shift and he is now discussing with Professor Forrester, at the latter's request, the possibility of giving a course in Political Theory under the auspices of the Department of Economics and Political Science. This I strongly recommend. Reinforced by a background course in 19th and 20th Century History and another in Political Theory, the Department of International Politics would broaden its appeal to competent students and would undoubtedly attract more of them.

In the brief time at my disposal since the last meeting of the Advisory Board, I have not had an opportunity fully to familiarise myself with the teaching of International Politics at Oxford and London Universities, but I have had interviews on the subject with both Professor Zimmern, and Professor Manning. At Oxford the Honour School of Philosophy, Politics and Economics has papers in Political History 1871—1914; International Relations; and the Political Structure of the British Empire. The London School of Economics has a wealth of special courses in History, Political Theory, International Relations, Diplomatic History, the Geographical Background of International Relations, etc., but I gather from a brief conversation with Professor Manning that his students in International Relations come to him without the historical background which Professor Zimmern thinks necessary and which I have been urging for our students.

My attention has recently been given to this subject because there seemed, until recently, to be a possibility that funds would be available for such re-inforcement of the Department of History as would enable Mr. Herbert to give the background course mentioned above. That possibility is for the time being in abeyance, but the Senate contemplates making a thorough review of the whole field of History and related subjects and I will close my report with the expression of the hope that the result of such a review will be to relate the instruction in International Politics more closely to History as well as to Economics and Political Theory; for I am confident that in connection with new appointments to be made in Colonial History and in International Politics and the excellent resources we already have in History, Economics, Law and Geography, the group of related subjects here considered will offer admirable training for our students.

## MUSIC.

PROFESSOR DAVID DE LLOYD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Inter. { B.A. ....	12	4	6	3 (4)*
{ B. Mus. ....	1	—	1	1
Subsidiary B.A. ....	7	—	6	6
Final { B.A. ....	8	—	8	7
{ B. Mus. ....	1	—	1	1
Hons. B.A. ....	1	—	1	1
Students in training (advanced course)	16	—	—	—
Students in training (ordinary course)	15	—	—	—
Solo Subjects {	Violin	9	—	—
	Viola	8	—	—
	Voice	16	—	—
	Piano	9	—	—
	Organ	4	—	—
TOTALS	107	4	23	19

\*Owing to illness which necessitated an operation, one student was unable to sit his second paper (counterpoint).

*Intermediate.* Two of the withdrawals in this class were due to the non-recognition of Music as an accessory course in the Faculty of Science. Of the remainder, one student left College in the first term; the other was compelled to abandon his course owing to an overcrowded time-table. Expressing their ideas in musical notation presented some difficulty to the students in this class, and a general inability to hear mentally what they wrote on paper made their progress slow and their grasp uncertain.

The Inter. B. Mus. student on the other hand, showed considerable facility in both respects. Her work was always well done and proved that she possessed a decided bent for the subject.

*Subsidiary B.A.* This class contained better material, two of the students submitting work of sound musicianship.

*Final B.A.* The two outstanding students in this class were Inigo Jones and Winston John, both of whom, in addition to the usual academic exercises, submitted original compositions which revealed imagination and a neat skill in presenting their ideas.

*Hons. B.A. and Final B. Mus.* The Honours student—Graham Thomas, who was awarded First Class Honours in the recent University examinations—proved himself an admirable student throughout the session. He has written a number of songs, and a suite of his for string orchestra was performed at one of the College (Thursday) concerts.

The Final B. Mus. candidate's success in the Final Examination was the result of hard work and steady application.

*Normals (Dept. of Education).* The students in training, though not up to the general standard attained by the students of previous years, took considerable interest in work which was new to most of them. Two



or three had a marked gift for setting words to music, and in several instances the harmony work was commendable. Musical dictation and sight-reading were weak points.

The Choral and Orchestral Societies contributed their usual share to the College weekly concert programmes. The former Society showed an increase in number but the total strength compares unfavourably with that of a choir which prepares for such an event as an Inter-College Eisteddfod.

The Music Club membership has been satisfactory in spite of the change of locale, the Parish Hall replacing the College Hall in North Road, which was burnt down in August, 1933. The concerts during the session have been well attended and the visiting artistes, among whom must be mentioned Miss Jelly d'Aranyi (violin), Leon Goosens (oboe), Horzowski (piano), Antonia Butler (cello), have been enthusiastically welcomed.

The outstanding event of the Session, however, was the revival of the Music Festival. Musically it was a great success but what deserves unstinted praise is the effort made by representatives of College and Town to ensure the financial success of a venture which has hitherto resulted in a heavy deficit. This necessitated a sustained effort on the part of those interested in the welfare of the Festival. Their number was astonishing, their enthusiasm almost beyond belief. For the first time in the history of the Festival, its financial success was assured beforehand. As long as the promoters of the Festival can rely upon such co-operation the continuance of the Festival is as assured as its failure is indubitable if one has to rely merely on the takings to defray bare expenses.

The College Orchestra was supplemented by players from London and the provinces. Some came at their own expense, others for expenses only—such was the spirit that animated the rank-and-file, visiting artistes (Miss Jelly d'Aranyi, Miss Sylvia Spencer, Mr. Raymond Jeremy) and guest conductors (Mr. Frank Bridge and Mr. W. H. Reed).

To my colleagues on the Staff of the Department I wish to express my gratitude for services loyally rendered. The resignation of Miss Evelyn Cooke whose artistry has delighted so many is a matter of keen regret to me. For ten years she has served the College faithfully and the replacing of one who has given such unqualified satisfaction as an executant and as teacher will be a task of considerable difficulty.

### ART AND CRAFTS.

MR. DAN R. JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary	70	—	—	—
Diploma in Art, 1st Year	3	—	3	3
Diploma in Art	6	—	6	6
Diploma in Craft	1	—	1	1
Intermediate	7	2	4	4
	1	—	1	1
TOTAL	88	2	15	15

## CITY AND GUILDS OF LONDON INSTITUTE.

Subject.	No. Entered.	No. Passed.
Art Needlework	1	1
Woodwork	3	1

It is gratifying to record that the new Department of Art and Crafts has attracted a number of keen and enthusiastic students of good quality. In addition to the teaching work carried on by the Staff of the Department, lectures or courses of lectures were delivered by the following :—

Mr. S. K. Greenslade, F.R.I.B.A., who visited the Department, lectured on "The Appreciation of Craftsmanship," demonstrating his remarks by reference to the Museum of Arts and Crafts. Dr. George H. Green, M.A., B.Litt., delivered a series of lectures dealing with the following topics :—

- Beauty and the Beautiful.
- Basic Factors in Design.
- The Psychological Factor in Design.
- The Social Background of Craftsmanship.

Professor J. L. André Barbier delivered a series of lectures on French Painting, illustrating his lectures with a series of reproductions by means of the Department's epidiascope.

Miss Lilian Winstanley, M.A., delivered a series of lectures on "John Ruskin and his Teachings," which were illustrated by means of the epidiascope.

My sincere thanks are due to my colleagues for their valuable help and co-operation, which was highly appreciated by the students.

The students who took the newly instituted Degree course in Art did good work. All those who sat the examinations in June satisfied the examiners—four at the Intermediate stage and one at the Subsidiary stage.

An exhibition of students' work took place in June and was opened by Mr. T. D. Jenkins, who entertained both students and visitors to tea at the Refectory.

I had the honour to execute for the Old Students' Association a design for the Memorial Tablet to the late Principal J. H. Davies, which has recently been erected in the College.

I wish to thank Miss Gwen Davies, Mr. Frank Bassett and Mr. Warren for their loyal assistance in carrying on the work of the Department during the Session.

Mr. R. L. Gapper, B.Sc., A.R.C.A., has recently been appointed temporary assistant lecturer and will commence duties at the beginning of next Session.

**LAW.**

PROFESSOR T. A. LEVI.

I have the honour to report as follows :—

The total number of students for the last session was the largest number since the opening of the Faculty of Law. I speak primarily of the work in the main department of the College. Details as to the work

carried on by us for the North Wales Law School are supplied in Appendices to this Report by my lecturers, Mr. Victor Evans and Mr. Wing. This extension work was carried out with great efficiency by Mr. Evans, Mr. Wing and Mr. Vyrnwy Lewis. At the outset I have to express our regret that we are losing henceforth the services of Mr. Lewis, who has been appointed to the Legal Department of the Ministry of Health. We congratulate him on his appointment and take this opportunity of expressing our appreciation of the great and varied services he has rendered to the College.

As already stated, the total number of students was a record. There were 86 students studying Law, and one or two more were added in the course of the session. This is counting no-one twice over. With a very little effort the total number of Law students might well exceed a hundred. Fifty-eight students were taking the full LL.B. degree, while 8 students were taking courses in Law for the B.A. degree. At the College itself there were 42 intending articled clerks, and 3 actual articled clerks. There were 10 Bar students. At the North Wales Law School there were 17 articled clerks, 11 intermediate and 6 final. At our direction there were also two or three students working for the LL.M. degree. It will be seen therefore that out of the aggregate number of 86 students over 60 were taking degrees in Law. This does not mean that they were all entering the legal profession, either the Bar or the Solicitors profession. Enquiries have been made of us by Dr. Jenks and others in the course of the session what is the ratio of professional to non-professional students. At present I make it out to be about two-thirds to one-third in favour of professional students. But the number of non-professional students shows a constant tendency to increase. This is a fact that must be borne in mind in making future provision for the teaching of law in Wales.

At the invitation of the Headmasters and Headmistresses of the Secondary Schools in Wales, I gave an address on the future of legal education in Wales, at the Queen's Hotel on May 11th, and while advocating the study of law as a general study of cultural education I pointed out the best method of co-operation between the County Schools and the College in this direction. The address is to be printed in the Secondary Schools Review and may possibly also be distributed among the Headmasters of both Elementary and Secondary Schools. It is hoped that this will be done before this Report is presented to the Court of Governors.

In December, moreover, a Conference was held in London to consider changes suggested by the Law Society in the Intermediate and Final examinations for admission as a solicitor. This conference was attended by Mr. Victor Evans, and his report thereon was considered by the Law Department. Subsequently I supplied the Law Society with a full report of the effects of the proposed changes on our Faculty of Law, and the expense likely to be involved by the introduction of new subjects.

Incidentally, in connection with this, I may mention that one of the new subjects proposed is Local Government and Administration. This is a subject which has always had a prominent place in connection with the teaching of Constitutional Law. Mr. Wing, at my request, very kindly undertook to give an extension course of lectures on this subject at Towyn, which proved very successful indeed, and Mr. Wing is to be heartily congratulated on this. I hope that when the time comes further facilities will be granted for the teaching of this most important and growing subject. It is in my opinion of the utmost importance that the College Law Department should keep abreast of the growing movement for the study of Public Administration. It affords all students without distinction, whether professional or non-professional, and whether Arts or Law Students, an opportunity for equipping themselves for some form of public service.

### SUCCESSSES OF STUDENTS.

During the session 1933-1934 we are happy to record a quite unusual number of successes on the part of our students. The highest place at the College was secured by Mr. Ewan P. Wallis-Jones, who obtained First Class Honours, and was recommended for the Sir Samuel Evans Prize. He is proceeding to Balliol College, Oxford, and has already had a brilliant record. Three of our students obtained Second Class Honours and one Third Class Honours.

Among students who have recently left us Mr. Iwan Elis Jones obtained First Class Honours in Part I of the Law Tripos, while Mr. F. W. Taylor and Mr. Roderick Bowen obtained Second Class Honours. Mr. Glyn Morgan, who has distinguished himself in other departments of University life at Cambridge, obtained Second Class Honours in the second part of the Law Tripos. Mr. Emlyn Hugh Evans distinguished himself at the Cambridge Union, and was elected an official, which means his natural succession to the Presidency of the Cambridge Union at the beginning of Session 1934-35.

A still more remarkable success was that of Mr. Glanville Williams, who obtained the blue ribbon of the Bar by being placed alone in First Class Honours, and being awarded the studentship of one hundred guineas for three years. As he had already obtained our Samuel Evans Prize, numerous Cambridge Prizes, including the valuable MacMahon Studentship, a double first in Law at Cambridge, and a Middle Temple Scholarship, this is a truly remarkable record, and every member of the College will sincerely wish to congratulate Mr. Williams.

It should also be mentioned that our former student, Mr. Trevor Harries, has been appointed to a Judgeship in India. Mr. Harries had already obtained a distinguished position at the South Wales Bar.

An exceptionally interesting record of another success scored by one of our law students is that of Miss Iris de Freitas, LL.B., who was once President of the Women's Sectional Council. A cutting from a South American newspaper was sent to me in which Miss de Freitas was congratulated by the Judge of the Court for a piece of brilliant advocacy in procuring the acquittal of a prisoner charged with murder. The Court paid her a very high compliment for her presentation of the law.

### ADDITIONAL EQUIPMENT.

The increase in the number of students, now closely approaching a hundred, makes it absolutely essential during the new session to have additional lecture room provided. It is hardly fair that a Department which has been so fully justified by the admitted success of its students, should be so severely handicapped by want of accommodation. Notwithstanding the want of room, the Law Library is well maintained and the collection of law reports is by far the best in Wales, and we have ample material for research work in law. Moreover, our students regularly use the valuable Law Section of the National Library. Especially is this done in the study of Comparative Constitutional Law. Law students have also taken a prominent part in the organisation of the studies of the League of Nations at the College, as they are enabled to do by their familiarity with International Law. In these two departments, which occupy a prominent place in our syllabus, the Government of the British Commonwealth, and the relation of International Law to the League of Nations, I foresee an opportunity for a great advance in real public service, and an avenue to many valuable public appointments.

## NORTH WALES LAW SCHOOL.

Report by MR. J. VICTOR EVANS.

I beg to submit the following report upon the work done at the Law Classes during the third period of 7 weeks commencing April 17th, and ending May 30th, for the conducting of which I was personally responsible.

I am confining myself mainly to this third period—following our usual precedent. But I shall also add some observations of a general nature on other matters.

The First and Second Periods were conducted by my colleagues, Mr. R. A. Wing, and Mr. V. J. Lewis, respectively.

During my period the attendances were most satisfactory, and I should like to pay a tribute to the classes for the regularity of their attendance.

### THE INTERMEDIATE CLASS.

Twelve members constituted this class, and the 12 attended consistently. This is the highest in number of the 4 Intermediate Classes of my years at this Law School, showing an increase of 7 above that of last year. All the members of this class were entirely new. I have no hesitation in stating that this is the best class of the 4 that I have taught—best in attendance, and best in the degree of keenness of interest in the work as displayed in the discussions. It is also the best Intermediate Class in intellectual ability. I shall always retain a very pleasurable memory of their cordiality and courtesy—features which made coming to teach at Colwyn Bay a very real pleasure. To this Class I delivered a course of lectures (1) on the Law of Contract with special reference to the Doctrine of Consideration and the Statute of Frauds, and (2) a course in the Law of Personal Property with the usual references to the appropriate Volumes of Stephen's Commentaries as required by the Regulations. I delivered also a special Lecture on Procedure. It is, I think, evidence of the quality of this Class that more ground was covered, and covered thoroughly, than by any previous Intermediate Class.

### THE FINAL CLASS.

Five constituted the number of this class and the five attended regularly. I am certainly satisfied with their work, though I have no doubt in stating that they were not up to the standard of last year's Final Class. I consider this year's Final Class a good average one. A good deal of written work was done by the 5, especially in the matter of drafting pleadings. The fact that they were having access to pleadings in their own offices facilitated my work and made the lectures of very practical interest to them, which they were good enough to appreciate. I gave lectures in Company Law, Partnership Law, Agency, Evidence and Procedure.

As compared with last year (1932-3) the numbers were as follows :—

1932-3	Intermediate	5	—	1932-3	Final	7.
1933-4	Intermediate	12	—	1933-4	Final	5.

I am indebted to Mr. Lewis for taking for me the last two lectures in view of my entry into the contest at Merthyr—for permission to do which I am greatly indebted to Professor Levi, and this Committee. I should add that Mr. Lewis conducted the second period of the Classes and lectured on Crime, Property, and Conflict of Laws, and certain portions of Equity.

All three lecturers are united in their acknowledgment of the response given by the Classes, and their appreciation of the facilities afforded to them through the lectures and contact with the Lecturers.

## RECENT SUCCESSES.

A number of successes have been achieved since we met this time last year—namely 4 have passed the Final Solicitor's Exam. and 3 have passed the Intermediate Exam. I issued 5 Certificates of Attendance as requested by the Law Society and according to the conditions of our School of Law.

### CONFERENCE OF REPRESENTATIVES OF LAW SCHOOLS LONDON, DEC. 20th, 1933.

I should just like to mention this Conference as an important factor of the current year. In view of the fact that I was back in London I was able, at the request of Professor Levi, to attend, together with the Registrar. I understand the official report is in your hands. The new proposals in the main involve a reduction in the number of the range of subjects, making the Intermediate more fundamental a test than at present, at the same time calling for a higher standard of work in the re-arranged curriculum. The new proposals as far as the Final Exam. goes, will normally render it compulsory on the Articled Clerk to do his year at a Law School at the beginning of his articles. It is hoped that the new proposals will lead to an increase in Final Students and therefore an increase in income. It is thought that it will be possible to make it quite unnecessary to have need of any aid outside the Law Schools.

I should like to state in conclusion how pleasurable the whole work of teaching the Classes has been, and how much I appreciate the response of the students.

I wish to thank the Registrar of the University College of North Wales together with his staff for the assistance given to us, also Professor Levi for his assistance and encouragement at all times. I am equally indebted to the Clerk of the Colwyn Bay Council for the use, kindly permitted by him, to be made of certain Law Reports at his office.

### Report by MR. R. AMOS WING.

I have the honour to submit the following report upon the work of the North Wales Law Classes during the first term of the Session, 1933-1934. As Mr. Victor Evans has kindly relieved me of the secretarial work in connection with these Classes, reference to statistical and general matters will be found in his report.

The Classes were held this year in the Presbyterian Schoolroom in Colwyn Bay and there was a general measure of agreement that this room was more suitable for our purposes than any we had formerly occupied. The attendance, both in the Final and in the Intermediate Classes was excellent throughout the term.

The Final Classes were devoted to a study of Real Property and of certain aspects of Common Law. In the former subject, I gave lectures on the Common Law Doctrines of Tenures and Estates, Terms of Years and Interests in Community. In Common Law, I lectured on Master and Servant, the Liability of Occupiers and Negligence.

The Intermediate Class work was, as usual, a study of Volumes 2 and 3 of Stephen's Commentaries.

My general impression of the Classes was wholly favourable. The students worked hard in class, were intelligent alike in the questions they asked and the answers they gave, and co-operated with their lecturer in every possible way. In particular I would mention that I instituted

this year voluntary weekly test papers and that I received excellent answers, upon which obviously much time had been spent, from every student attending the Classes each week of the term.

In conclusion, I may say that I greatly enjoyed my work in North Wales and that the Classes convinced me, far more deeply than I had been before, of the sound educational value of these weekly lectures to students, such as we have had, who are willing to learn and to take some pains to do so.

### PURE MATHEMATICS.

PROFESSOR V. C. MORTON.

The number of students who entered for courses in the Department during the Session 1933-4 was 86. Their distribution is shown in the following table.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate	19	5	14	7
Subsidiary	39	8	31	24
Final	11	—	19	15
Hons. 1st Year	9	—	2 external	5
Hons. 2nd Year	6	—		
Research	2 for M.Sc.	—	—	—
TOTALS	86	13	70	53

\* 2 granted Intermediate.

The work done was satisfactory, especially that of the First and Second Year Honours Classes, in both of which excellent promise was shown.

The following deserve special mention:—Subsidiary, Messrs. A. G. Hurn, E. J. Richards and Miss Peggy Davies; Final and First Year Honours, Messrs. E. T. J. Davies, J. G. Forbister, J. A. Jones and H. Thomas; Second Year Honours, Messrs. N. F. Jenkins and D. G. Pryce.

One student took Honours in Mathematics and four in Pure Mathematics. Two obtained First Class and three Second Class, Second Division. The two First Classes were of very good standard indeed.

For some time we have felt that more tutorial work, the laboratory work of Mathematics, has been urgently needed. I wish to thank the College Council and Senate for the recent encouragement and promise of help given in this direction.

*Research.* The present severe competition for posts is heavily handicapping the student research work in the Department. Two post graduate students Mr. W. E. Jones and Mr. M. T. Chapple began work under my direction during the session. Mr. W. E. Jones was offered and

accepted a teaching post in the middle of the session and Mr. M. T. Chapple, who was holding a two-year University Studentship has just taken a teaching post at the end of his first year of tenure. Mr. Chapple was working with me on Rational Normal Curves and was doing exceptionally promising work. We had already a paper in preparation for publication. One of the best men I have had in the Department, Mr. B. R. Jones, who had already started to research towards the end of his Honours' year and who showed great promise, has obtained a teaching post and will not be returning. All these men, who earnestly wanted to continue research, came to me for advice, but in the present conditions I felt that I had no alternative but to advise them regretfully to take the posts offered.

Miss D. S. Meyler is now at Cambridge, holding a University Fellowship, and researching on Algebraic Geometry. She has been doing good work and has some new results.

Dr. D. R. Williams is continuing his work on Integral Functions. Mr. W. G. L. Sutton is working on Differential Equations and allied problems. He has recently published two papers. I have been continuing my work on the Cubic Surface and have published a paper in collaboration with Professor A. L. Dixon of Oxford. I have another paper in preparation on the same subject in collaboration with Miss D. S. Meyler.

It is with great regret that I must report the resignation of my colleague and friend, Mr. W. G. L. Sutton. He is leaving to take up an appointment as Head of the Mathematics Department and Vice-Principal of the Leeds College of Technology. Mr. Sutton has been with me through all the changes in the Department since 1923. An invaluable and absolutely reliable colleague and a loyal friend, his absence will be felt keenly in the work of the Department and in the everyday life of the remaining staff. We wish Mr. and Mrs. Sutton all success and happiness in their new home.

Finally I have great pleasure in acknowledging with gratitude the loyal and efficient co-operation of my colleagues Mr. W. G. L. Sutton and Dr. D. R. Williams in the work of the Department.

### APPLIED MATHEMATICS.

MR. T. LEWIS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate .....	3	—	3	3
Subsidiary .....	14	—	14	11
Final .....	11	—	15	11
Hons. 1st Year .....	6	—	—	—
Hons. 2nd Year .....	1	—	1	1
Hons. Pure and Applied .....	1	—	1	1
Research .....	2	—	2	2
<b>TOTALS</b> .....	<b>38</b>	<b>—</b>	<b>36</b>	<b>29</b>



The number of students in the department was 38, exactly the same as last year. There was, however, a decrease in the number of first year students.

The three students at the Intermediate stage did good work throughout the year and were successful in the examination.

The general level of the work of the Subsidiary class was quite satisfactory but there was no outstanding case deserving of special mention.

The work of the Final class was highly satisfactory and the following deserve mention: J. G. Forbister, J. A. Jones, T. Ll. Phillips and H. Thomas. All four should do well at the Honours stage next year.

Mr. J. V. Harries took a very good First Class Honours in Applied Mathematics. His work throughout the session was excellent.

Mr. W. G. King took the Honours Course in Pure and Applied Mathematics with Applied Mathematics as principal subject. Unfortunately, he was taken ill at the beginning of the examination. He obtained a Second Class, division 2.

Two candidates obtained the degree of M.Sc.: C. E. Easthope, for a dissertation embodying research on "Electromagnetic Radiation of Schrödinger Distributions"; J. F. Ractliffe, for a dissertation embodying research on "Unified Fields Theories of Einstein, etc." Both dissertations were very good—the external examiner reported that Mr. Easthope's work was of unusually high standard for M.Sc. Both Mr. Easthope and Mr. Ractliffe are preparing portions of their work for publication. Mr. Easthope has been awarded a University Fellowship.

I wish to thank Emeritus Professor Schott for continuing to direct the research work of Mr. Easthope after his retirement from the chair and Vice-Principalship. I have also to thank Mr. Garstang for his invaluable help in the general work of the department.

## PHYSICS.

PROFESSOR GWILYM OWEN.

The number of students showed a slight increase compared with the number last session. Their distribution among the various grades is indicated in the following table:—

Grade.	No. of Students registered at beginning of Session.	No. of withdrawn during the Session.	No. taking University Exams.	No. passed.
Acoustics .....	1	—	1	1
Intermediate .....	22	2	20	12
Subsidiary .....	28	3	25	18
Final and Hons. 1st Yr. ....	17	—	17	14
Hons. 2nd Yr. ....	1	—	1	1
Research .....	3	—	2	2*
TOTALS .....	72	5	66	48

\*Ph.D and M.Sc.

The work of this session has been somewhat eventful. Early in February, owing to the breakdown in health of Principal Sir Henry Stuart-Jones, I took over the duties of Acting-Principal. Under these circumstances, a great deal of extra work devolved on my colleagues. But I am glad to be able to state that the work of the department went on smoothly and efficiently.

At Easter we lost the services of Dr. Emlyn Stephens, who resigned to take up a post as Organiser and Inspector for Higher Education under the Glamorgan Education Authority. Dr. Stephens carried out his duties in the department most efficiently and we wish him every success in his new and important sphere of work. Mr. Emrys Gwynne James, a research student in the department, was appointed Student-Demonstrator for the Summer Term to help with the work consequent upon Dr. Stephens' departure.

Up to the Final stage the work of the students in general was of average quality, but the work of the following students is deserving of special mention:—*Intermediate*—D. R. A. Davies and J. M. P. Hart. *Subsidiary*—G. Bowen, S. N. Davies, G. E. Roberts and F. H. Vanstone. *Final*.—E. T. J. Davies.

In the higher stages, however, (Honours and Postgraduate) the work has been exceptionally good. Mr. R. M. Bound was awarded First Class Honours. Mr. D. S. G. Lewis, who worked under the supervision of Mr. I. C. Jones, was awarded the M.Sc. degree for a thesis on "The Photographic Action of Electrons," while Mr. Emrys Gwynne James, whose research was supervised by Mr. R. M. Davies, was awarded the Ph.D. degree for a thesis on "A study of the mechanical and electrical properties of an electrically maintained vibrating reed." The amount of postgraduate work in the department is steadily increasing, and I am glad to be able to report that Mr. Emrys Gwynne James, who, as stated above, has gained the Ph.D. degree, has been appointed Research Physicist to the General Electric Company, Wembley, while Mr. D. S. G. Lewis, M.Sc., has obtained a post on the staff of Messrs. Mullard and Company, the makers of wireless valves.

The vacancy caused by the resignation of Dr. Emlyn Stephens has been filled by the appointment of Mr. D. Aneurin Richards, M.Sc., D.I.C. to the post of Assistant Lecturer. Mr. I. H. Thomas, B.Sc., who was awarded a grant from the Department of Scientific and Industrial Research last year, has made excellent progress with his research on the electrical and elastic properties of certain Nickel alloys. Mr. W. J. Thomas, B.Sc., who gained First Class Honours in Physics last year, has been awarded a University Studentship and will commence in October next a course of research for the Ph.D. degree.

*Publications.* By Mr. R. M. Davies: (1) On the determination of some of the elastic constants of Rochelle Salt by a Dynamical Method. *Phil. Mag.* XVI. 1933. (2) A simple Frequency Bridge. *Journal of Scientific Instruments.* Sept., 1933. A paper by Mr. Benjamin Davies, F.Inst.P., on the detection of added water in milk has been communicated to the *Journal of Dairy Research.*

*Extra-Mural Work.* The class conducted by Mr. R. M. Davies under the auspices of the extra-mural department has successfully completed its second session. The subject studied this session was "Mechanical and Electrical Power." The class holds its meetings in the Physics Theatre, and the interest and attendance of the members have been well maintained.

It is proposed to continue this excellent work next session when the subject studied will be "Wave-motion."

During the session I delivered public lectures on scientific topics at Cardigan, Denbigh, Barry, Aberaeron, Aberystwyth, Dolgelly, Liverpool, and other places.

*New Honours Laboratory.* As reported on a previous occasion, we have been greatly handicapped in the Honours and Postgraduate work of the department by lack of accommodation. The position will be greatly eased next session by the provision of a new honours laboratory in the basement. The Students' Representative Council have kindly given up their claim to a room previously used as a men's common room adjoining one of the Physics rooms in the basement and the College Council has sanctioned the expenditure required to adapt and equip the room as a laboratory for the Honours students.

In conclusion I desire to thank my colleagues, Messrs. R. M. Davies, I. C. Jones, E. Stephens and L. E. Sulston for their loyal help and co-operation in the work of the department. This applies in a special sense this session to my senior colleague, Mr. R. M. Davies, who undertook heavy additional responsibilities owing to my absence from the department for a considerable period.

### CHEMISTRY.

PROFESSOR T. CAMPBELL JAMES.

The number of students working in the Department was 84, their distribution being as in the table below:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate .....	32	—	30	23
Subsidiary .....	26	1	23	15
Final .....	15	—	14	All'd Inter. 2 12
Hons. 1st Year .....	4	—	4	
Hons. 2nd Year .....	6	—	—	—
Research Full-Time	1	—	—	—
„ Part-Time				
TOTALS .....	84	1	71	56

*Staff.* At the beginning of the session Dr. D. Gwynne Davies became a full-time Assistant-Lecturer, in succession to Dr. D. Matthew Williams who had left the Department at Christmas, 1932.

*The Micro-chemical Laboratory.* In preparation for the work of the session, a suitable room in the basement of the Edward Davies Laboratories was equipped for micro-chemical analysis. Dr. Gwynne Davies has specialised in this subject and has, during the session, trained the Honours class and some research students to become efficient in the technique of the new methods.

*Intermediate Class.* This class, which as usual included a number of beginners, was conducted by the Professor, assisted by Dr. Davies. The whole class worked well and a good average standard was attained in the terminal and sessional examinations.

*Subsidiary Class.* This class included a number of first year students of high ability and a generally satisfactory standard of work was maintained throughout the year. The Organic course was given by Mr. Hudleston, the Physical course by Mr. Bury and the Inorganic course by the Professor. Mr. Bury, assisted by Dr. Davies, supervised the practical work. Excellent work was performed at this stage by Messrs. Glyndwr Bowen and G. Emrys Roberts.

*Final and First Year Honours Class.* The good Subsidiary Class of the previous year continued to do very satisfactory work at this higher stage. Mr. Bury conducted the course in Physical Chemistry and the Professor the Organic course while Mr. Hudleston lectured on Inorganic Chemistry and conducted the practical classes. Messrs. J. B. Bowen and Theodore White did work of particular merit throughout the year.

*Honours Class.* This Class was smaller than usual but the four members worked throughout the year with assiduity and enthusiasm. All the members of the staff took a part in their preparation and training and, with his usual courtesy, Mr. David Evans gave them regular classes in German. The University examination results were as follows :—

First Class Honours : Horace Lloyd Davies.

Second Class Honours : Division I. John Vernon Davies, Morgan David Owen and Megan Williams.

*Higher Degrees.* Mr. Raymond Redd, B.Sc. (Thomas Davies Scholar) presented his work entitled "Contributions to the study of causticisation, etc." in December, 1933, and was granted the M.Sc. degree. (Director of the research : Mr. C. R. Bury).

Mr. Stanley Charles Townshend, B.Sc. (Garrod Thomas grant) presented his work entitled "Studies in the substitution of naphthols" for the Ph.D. degree in June, 1934, and was granted the degree. (Director of the research : Professor James).

Dr. H. O. Jenkins, Fellow of the University, has been awarded the D. Phil. degree of the University of Oxford. Dr. Jenkins has been elected to a Commonwealth Fellowship which he will hold at the California Institute of Technology, Pasadena.

Mr. E. R. Jones, Ph.D., who, after completing his Ph.D. course in the Department, took up the study of medicine has obtained the M.D. and D.P.H. qualification of the University of Liverpool.

*Special Lectures.* Professor J. L. Simonsen, F.R.S., of Bangor, visited the Department in April and gave a course of lectures on "The Terpenes" which was greatly appreciated. In March, Dr. H. O. Jenkins, Fellow of the University, gave a course of lectures on "Dipole Moments."

During the session Mr. Hudleston visited University College, Swansea, under the exchange scheme and gave a course of lectures on "Chemical Kinetics." Professor James addressed the North Wales section of the Chemical Society in February on "The early training of the Chemist."

*Research proceeding in the Department.* During the session six graduates have been engaged in research work in the Department. Mr. Mansel M. Davies (University Studentship), Mr. R. J. Owens (Thomas Davies Scholar), Mr. G. A. Parry (Glamorgan County Scholar) and Mr. J. Pincott are all doing satisfactory work under the direction of Mr. Bury, while Mr. J. Idris Jones and Mr. Townshend have worked under the direction of the Professor. A number of papers (titles recorded elsewhere) have been published in the Journal of the Chemical Society by members of the Department.

The Professor desires to express his appreciation of the co-operation of Messrs. C. R. Bury, L. J. Hudleston and D. Gwynne Davies in the affairs of the Department; to them and the research students thanks are due for the happy spirit of study and research which has pervaded throughout the session.

*Publication by former student :—*

Mr. H. O. Jenkins (Fellow of the University).

"Molecular Polarisation of Nitrobenzene in various solvents at 25° C."  
*Nature*, Jan. 20th, 1934, and *Journal Chemical Society*, 1934.

*Interchange of Teachers.*

Dept.	Lecturer.	Subject.	No. of Lectures.
Chemistry.	Professor J. L. Simonsen, F.R.S. (Bangor).	The Dicyclic Terpenes.	Four.

Mr. L. J. Hudleston visited University College, Swansea, during February, 1934, and gave the following lectures :—

Subject.	No. of Lectures.
Chemical Kinetics of reactions in solution	Four.
An approach to a new theory of the liquid State	One.

## ZOOLOGY.

PROFESSOR R. DOUGLAS LAURIE.

The number of students working in the Department during the session was 87, distributed as follows :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma	8	1	7	4
Biology Diploma	1	—	1	1
Intermediate	35	—	33	27
Subsidiary	17	—	14	10
Subsid. Agric. Zoology	1	—	1	1
Final 2nd Year and Hons. 1st Year	18	—	17	16
Hons. 2nd Year	5	1	4	4
Research	2	—	—	—
TOTALS	87	2	77	63

*Agricultural Diploma Course.* This class was conducted by Dr. Gwendolen Rees. The work was satisfactory.

*Biology Diploma Course.* Mr. F. Daniel, B.Sc., of the Malayan Educational Service, duly gained the Diploma. He divided his time between the Departments of Botany and Zoology, the work being adapted to his special needs. He was an excellent candidate.

*Intermediate Course.* The class worked satisfactorily. Miss E. M. Brown, Mr. W. M. R. Evans, Mr. J. R. Griffiths, Mr. G. P. Hughes and Miss M. Jones are worthy of special mention.

*Subsidiary Course.* The class worked satisfactorily. Miss M. Bowen and Mr. D. H. Evans are worthy of special mention.

*Subsidiary Course in Agricultural Zoology.* Mr. G. P. Wibberley worked well and duly passed the examination. He is worthy of special mention.

*Final Course.* The class worked well—only one student failing in the examination. Mr. L. J. McHardy, Miss Gwyneth Owen, Mr. T. Walker and Mr. T. White all deserve special mention.

*Honours Course.* Mr. J. R. W. Jenkins supervised the Entomological portion of the work, Dr. Gwendolen Rees the Helminthology, Dr. E. Watkin the Hydrobiology, and myself the Genetics. All four candidates worked excellently. Mr. Thomas Idwal Davies and Mr. David Price Jones obtained a First Class and Mr. W. J. Rees and Miss Sylvia R. Williams were placed in the First Division of the Second Class. Mr. D. P. Jones has been awarded a grant from the Department of Scientific and Industrial Research.

*Research.* Mr. D. C. Lloyd has been working during the session on Grass Disease in Horses and a preliminary note on the subject has appeared in the 1934 issue of the *Welsh Journal of Agriculture*.

Mr. Evan Davies has published in *Parasitology* a paper on the anatomy of a trematode parasite of the Cormorant.

Dr. J. R. E. Jones has taken to a further stage his work on the effect of dissolved metallic salts on aquatic animals.

Dr. Gwendolen Rees has carried out further researches upon parasitic Helminths and has published in the *Proceedings of the Zoological Society of London* a paper on *Cercaria patella* as a parasite of *Patella vulgata*.

Mr. J. R. W. Jenkins has, as Adviser under the Ministry of Agriculture, investigated a number of cases of attack by insect and worm pests. By far the most important item of the year has been the encroachment of Potato Eelworm Disease; he has published a paper dealing with this disease in the 1934 issue of the *Welsh Journal of Agriculture*.

The Department gave again this year at the invitation of the Department of Education a short course of lectures and laboratory work on the biological foundations of Hygiene, to the fourth year students-in-training as teachers.

Dr. Watkin again conducted a course in Biology in connection with the Educational Handwork Association Summer School held in Aberystwyth during the Long Vacation.

As anticipated in my last Report, a party of staff and students visited Russia during the summer vacation and saw many things of biological interest. The visit proved particularly interesting and successful.

*Appointments of Former Students.* Miss Mabel Owen, B.Sc., has been appointed as Biology Mistress at the Grove Park Secondary School, Wrexham. Miss M. Dorothy Jones, B.Sc., has been appointed Biology Mistress at Penygroes Secondary School.

Gifts to the Department have included a very useful collection of Birds' Eggs, presented by Dr. Norman Hanson of Llanbadarn. My thanks are also due to Dr. George H. Green of Aberystwyth for a very interesting volume "On the Study of Natural History" by William Swainson, published in 1834.

Miss Blodwen Williams has continued to give conscientious and cheerful service as Laboratory Steward. Under the conditions of a greatly enlarged department, however, it is not possible for her to cope with all the work and the assistance of a Laboratory boy is necessary for the maintenance of efficiency.

In conclusion, I thank my colleagues, Dr. E. Emrys Watkin and Dr. Gwendolen Rees, for their helpful co-operation in the affairs of the Department generally, and Mr. J. R. W. Jenkins for his help as Special Lecturer in Entomology. In addition, I have to thank both Dr. J. R. E. Jones and Mr. D. C. Lloyd for a great deal of help, given by the latter without remuneration; owing to the cumulative effect of the steadily increasing number of students during the last quinquennium—during which period the number has doubled—it would have been impossible to carry on without their assistance, and I have to thank the Council for making possible the appointment of Dr. J. R. E. Jones as a full-time temporary Assistant Lecturer for next session.

*Publications by Students:—*

Evan Davies, M.Sc., N.D.A. "On the Anatomy of the Trematode *Petasiger exaeretus*, Dietz 1909, from the Intestine of *Phalacrocorax carbo*." *Parasitology*, Vol. XXVI, No. 1. 30th April, 1934.

D. C. Lloyd, B.Sc. "Preliminary Note on Grass Disease Investigation in South West Wales." *Welsh Journal of Agriculture*. Vol. X. 1934.

**BOTANY.**

PROFESSOR L. NEWTON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate .....	33	—	31	28
Subsidiary .....	23	—	23	19
Final .....	} 17	1	15	13
Hons. 1st Year .....				
Hons. 2nd Year .....				
Research .....	4	—	—	—
TOTALS .....	80	1	72	63

*Classes.*

*Intermediate Course.* The students have worked well and have maintained an exceptionally high standard throughout the Session. The work of Miss M. Jones, Miss E. H. Reynolds, Miss E. M. Canton and Mr. G. P. Hughes deserves special mention.

*Subsidiary Course.* The work has been somewhat uneven but the best students have reached a high standard. Miss M. Bowen, Miss E. M. Brown, and Miss Glencross have all shown exceptional aptitude in the subject.

*Final Course.* This class has not achieved as high a standard as the students of 1932 and 1933 and it was unfortunate that illness prevented two good students from sitting the Final examination while a third sat under difficulties.

*Honours Course.* Miss E. M. Evans has done good work but the standard achieved by the remainder of the class has not been high.

*Research.* I have continued my work in connection with the West Wales River Pollution Sub-Committee's investigation into the prevention of pollution of the River Rheidol and its tributary the Melindwr. A field experiment is being carried out at Goginan in order to ascertain whether colonisation of the lower portion of the lead dumps can be effected and if so, whether the establishment of such a vegetation barrier will reduce or prevent pollution of the stream. In this connection also, Miss M. C. Hooper, B.Sc., and Miss M. Reese, B.Sc., have been carrying out further investigations. Miss Hooper is attempting to ascertain whether lead salts in solution or particles of lead carried by wind are the more deleterious to vegetation. She is also attempting to ascertain the effect of lead as a single salt in a water-culture experiment. Miss Reese is investigating the effect of lead pollution on the micro-flora of the Melindwr and the Rheidol and her control experiments on unpolluted portions of the river have been undertaken at the request of the Fisheries Board, for comparison with Dr. Butcher's work on the micro-flora of a calcareous stream.

Miss E. A. Lewis has been working on a survey of a selected portion of the shore at Aberystwyth. The work was started in response to a request by the Conway Fishery Board, whose members are anxious to obtain data regarding the discharge of seaweed spores, in connection with the cultural work on oyster larvae which is in progress at that station.

Mrs. James has continued her work on the pollen analysis of the submerged forest at Borth but unfortunately, for a few months, ill-health has delayed its completion. This work is showing results of great scientific interest and it is earnestly hoped that Mrs. James may soon be able to publish the data which she has so carefully and laboriously obtained.

Mr. Chater has completed a paper on the changes in the coast-line at Rye and has had it accepted for publication. Mr. Carter has been working on the Bryophyta and the Algae and Miss Hubbard has continued her work on five mycological problems.

*Field Work.* A number of field excursions have been held for students of all grades. During the Whitsuntide week-end, Mr. Carter and myself took a party of 1st and 2nd year Honours students to the Marine Biological Station at Plymouth. The excursion proved very fruitful and the students were able to dredge from the "Gammerus," thus obtaining deep-water forms of red algae which they had not previously seen. They also saw something of the inland vegetation and had the advantage of working in the laboratories of the station.



*Botany Garden.* The Garden is now of great value as a source of material and now that the soil has proved worthy of cultivation, it is hoped that it may be possible to terrace the garden. This would greatly facilitate the growing of plants on the steep slopes. A further improvement which is urgently needed is a small greenhouse.

*Departmental Equipment.* A considerable sum of money has been spent from the departmental grant on the improvement of the Research Laboratory and the Research students have been much better housed in consequence. The River Pollution cultural experiments take so much space that it has been necessary to devote the greater part of the greenhouse to them and that is an additional reason why it is hoped that it may be possible to have a small greenhouse in the Botany garden, in the near future.

*Staffing.* No changes have been made in the personnel of the staff during the Session and I should like to record my appreciation of their co-operation. Mr. Carter has again contributed valuable work in the management of the Library and Miss Hubbard has charge of all the optical apparatus.

*Acknowledgments.* I acknowledge with grateful thanks Dr. Salter's many kindnesses during the year and I am indebted to J. B. Willans, Esq., J.P., for gifts to the Library.

*Publications by former members of the Department.*

Dr. Salter. "Flora of Cardiganshire." Accepted for publication by the University Press Board.

Miss B. D. Gregory. "Life History of *Gymnogongrus Griffithsiae* and *Ahnfeltia plicata*." Journal of Linnean Society.

Mr. J. C. Ladd. "An Investigation concerning *Enteromorpha* spores as food for oyster larvae." (Ministry Report).

## GEOLOGY.

PROFESSOR HERBERT P. LEWIS.

The number of students working in the Department during the session was eighty-one and represents a slight increase in comparison with last session. The distribution was as follows:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agricultural Diploma	7	1	6	5
Intermediate	50	2	48	41
Subsidiary	20	2	18	13
Final	3	—	3	3
Hons. 2nd Year	1	—	1	1
TOTALS	81	5	76	63

*Agricultural Diploma Course.* This class was held in the Michaelmas term. It did fairly good work.

*Intermediate Course.* The general standard of ability shown by this class was very good. Messrs. E. J. Morgans, B. O. Bowdige, B. N. Davies, H. C. Adlen, H. A. Hopkin, E. B. Howells, E. G. Berryman, D. G. Sansbury, W. J. Kilner, R. T. Gethin, E. Phillips and G. D. T. Jones are worthy of special mention.

*Subsidiary Course.* The size of this class was greater than in the two previous sessions, but the quality of the work done was, on the whole, disappointing. Mr. R. G. Williams deserves special mention. An additional number of thirty students of Final grade in Geography attended the course in Geomorphology at this stage during the Michaelmas term.

*Final Course.* This class was smaller than it had been for several sessions. It worked steadily and well and there were no failures in the Degree examinations. Mr. G. H. Daniel is worthy of special mention.

*Honours Course.* Mr. A. W. Woodland obtained the well-merited distinction of a First Class in the Honours examination.

During the Easter vacation a week was spent in the study of the geology of South Shropshire. Several short field excursions were organised throughout the session and these were well attended.

It was our pleasure to welcome two distinguished geologists to the College and the Department during the session. Professor P. G. H. Boswell, F.R.S., of the Imperial College of Science and Technology, gave a widely appreciated course of lectures on "The Geological Setting of Early Man," under the Special Lectures Scheme. He also lectured to the Geological Club on "The Geological Structure of the Denbighshire Moors." In January, Professor W. G. Fearnside, F.R.S., of Sheffield University, addressed the College Scientific Society on "The Concealed Coalfields of Britain."

*Research.* Particulars of the works published by members of the staff of the Department in the Quarterly Journal of the Geological Society, the Summary of Progress of the Geological Survey of Great Britain, the Geological Magazine and the Annals and Magazine of Natural History, are included elsewhere in this report.

*Gifts.* Gifts of specimens have been received from two old students of the Department—rocks and minerals from Rhodesia from Mr. R. O. Roberts and British fossils and rocks from Mr. A. R. Sansbury. These, together with gifts of a documentary nature from Professor L. Newton, Mr. W. Fogg, Professor C. D. Forde, Mr. Herbert Morgan and Mr. J. B. Willans, J.P., I very gratefully acknowledge.

Now, as in the past, I desire to express my warmest thanks to my colleagues, Mr. J. Challinor and Mr. J. I. Platt, for their willing and skilful assistance, which contributes so essentially to the efficiency of the Department and its continued success.

## **GEOGRAPHY AND ANTHROPOLOGY.**

PROFESSOR C. DARYLL FORDE.

There was a considerable increase in the number of students taking courses in the Department during the past session. This was accounted for by the fact that the great part of the large Subsidiary Class of 1932-3 proceeded to Final or First Year Honours this year while the admissions

to the Subsidiary Class were the largest yet recorded. The Second Year Honours class was however of more manageable proportions than in the previous year. The distributions and results are as follows :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed
Subsidiary ....	68	1	66	51
Final and First Year Honours	44	1	41	31
Second Year Hons.	18	1	14	14
Post Graduate .....	2	—	1	1
<b>TOTALS</b> ....	<b>132</b>	<b>3</b>	<b>122</b>	<b>97</b>

The very large subsidiary class of 68 included students of very various attainments but the majority of those who were in their first year at the College did very satisfactory work and the following showed considerable promise :—Misses K. Rollinson and J. M. Ross and Messrs. B. N. Davies, R. T. Gethin, H. A. Hopkins, S. L. A. M. Lewis, D. I. Phillips, D. T. H. Price, D. E. Thomas, G. H. Thomas and R. G. Willetts. Thirty-nine of the members of this class have applied to take their Honours course in this department and while the work of some of them will not justify this the size of the Honours class threatens to create an acute problem in coming sessions. The permission granted to students entering the College with the Higher School Certificate to take Intermediate Geology together with our Subsidiary course is being taken advantage of by a large number with very beneficial results. These facilities are particularly valuable since it is in the physical basis of geography that most students show the least grip on entering the department.

The work of the Final and First Year Honours groups during the present session has been very encouraging. Although there were a number of weak members whose work was unsatisfactory throughout the session and who failed the Degree examination, the bulk of the class worked well. The overloading of courses in order to complete an honours degree scheme in three years, to which I called attention in the report on the session 1932-3, is however affecting the work of a number of students both at the subsidiary and final grade. A number of first year honours students have given the pressure of other work as a reason for relatively poor achievement in examination work which clearly showed a lack of intensive study. The reduction of the demand in the Arts faculty from nine to eight courses for a degree scheme will ease the situation to some extent, but the problem will still remain a serious one for all but the best of the students who are allowed to start the greater part of their University work at the subsidiary stage. Miss Leeding and Messrs. Beynon and Walden who were commended for their work at the subsidiary stage continued to show a high capacity in the First Year Honours course. Misses M. R. Collins and G. N. Davies and Messrs. G. H. Daniel, D. M. P. Jones and F. L. Templeman also did very good work.

The Second Year Honours class did very satisfactory work, but an unusually large number of students were prevented by illness during the session from completing the course or sitting the Degree examination.

Of the fourteen candidates who sat for the Honours degree a high standard in all branches of the work was attained by Miss B. J. Williams (Class I) and Messrs. G. Davies, G. F. Spiller and I. Walker (Class IIi). The dissertations presented as part of the examination were, as a whole, of an unusually high standard. Miss Williams and Mr. Walker were outstanding in this respect.

Mr. Noel Jerman, who continued his researches on the archaeology of Central Wales and has held a Sir John Williams Fellowship during the present session, submitted the results of his work in a thesis for the M.A. degree. He was awarded the degree with distinction. Mr. Jerman has proved himself to be a very capable research worker with an unusually sound grasp of the material and problems of prehistoric archaeology in Wales and it is very much to be hoped that an opportunity may be found to enable him to continue this work. The M.Sc. degree was also awarded to Mr. W. N. G. Davies, a former student of the Department, who is now resident in Southern Rhodesia. His thesis embodied the results of his researches among the Amandebele tribes.

The reorganisation of courses which has been planned and sanctioned for the coming session incorporates a number of minor changes that have been made in recent years and is designed to ensure a more thorough knowledge of general principles and major processes before proceeding to advanced work in regional and economic geography. These changes are in line with the development of geographical teaching in several other Universities and they will have the great merit of avoiding the collective teaching of Final and Honours students for certain branches of the work. The anthropological side of the work remains substantially unchanged.

Visiting lecturers to the department during the session included Dr. J. A. Steers, University Lecturer in Geography at the University of Cambridge, Mr. V. Nash Williams, Keeper of Archaeology in the National Museum of Wales, and Dr. J. H. Hutton, I.C.S., late Director of the Census of India.

Lectures to University and other Societies have been given by members of the staff of the Department at the following places: Manchester, London, Cardiff, Shrewsbury, Carmarthen, Llandilo, Fairbourne, Gwberton-Sea and Aberdovey. A paper will be read by Mr. W. Fogg in Section E. at the forthcoming meeting of the British Association. Mr. E. G. Bowen has continued his extra-mural work at Aberdovey and will give a further course of lectures at the Ramsgate Summer School of the Kent Education Committee. He also lectured and conducted a field trip for the Liverpool University Geography Department Field Excursion at St. Davids during the Easter Vacation. I have been appointed external examiner in Prehistoric Archaeology to the University of Edinburgh and began my duties this session. During the present session I completed the manuscript and corrected the proofs of the ethnographical work 'Habitat, Economy and Society,' on which I have been engaged during the past two years. It is being published early in July.

The first season's work on Pen Dinas hill fort, referred to in the report for last session, yielded very satisfactory results. The details of the eastern defences and the construction of one of the main entrance gates were revealed and thanks are due to many members of the staff and governors of the College for their support of this work, of which a preliminary account has been given in the Bulletin of Celtic Studies. A number of past and present students of the Department took an active part in the work. The second season will begin in August, when it is hoped to devote six weeks to the investigation of the northern entrance and fortifications.

The most cordial thanks are again due to my colleagues for their energetic and conscientious work throughout the session.

*Publication by a student.*

MR. H. N. JERMAN, M.A. (Sir John Williams Research Student).

Unrecorded Finds from East Central Wales with Observations on the Distribution of Find-sites in the Region of the Upper Severn. *Archaeologia Cambrensis*, 89, 1934, 112-134.

## EXTRA-MURAL STUDIES.

DIRECTOR: THE REVEREND HERBERT MORGAN.

During the Session 1933-34 fifteen Tutorial Classes, two Preparatory Classes and twenty-two Extension Courses were held. Of these, 35 were recognized by the Board of Education for purposes of grant in accordance with the existing limitation. Four additional Extension Courses of a pioneering character were established on a non-grant-earning basis.

*Tutors.* Of the 28 tutors who were entrusted with the conduct of the classes two were staff tutors, two had charge of three classes each, eight were members of in-College departments (past and present) and sixteen others were responsible for single Classes.

*Counties:* The Class centres were distributed as follows:—Breconshire, 1; Cardiganshire, 12; Carmarthenshire, 9; Merioneth, 5; Montgomeryshire, 7; Pembrokeshire, 5.

*Subjects.* A rough classification of the subjects studied may be made as follows:—Welsh Literature and History, 11; Social Sciences, 14; Literature of all types, 15; Philosophy, 5; Music and Drama, 4; History, 2; Science, 1. These headings involve a certain amount of cross-division.

Judged by the test of faithful attendance, keen and relevant discussion, written work and grant earned, the session's work may be regarded as satisfactory. At centres where the work has been carried on for more than a single session the progress that could be observed was truly gratifying. In addition to their regular class-work extra-class activities such as inter-class debates and one-day schools were held by some of the groups. Other signs of vitality are to be found in the quickening influence of class-members on other institutions in their neighbourhood.

*Summer Schools.* The fact that Summer School bursaries have been awarded to 30 students may be taken as evidence of the intellectual keenness that has been fostered by the classes and it is to be expected that these students will return to their work next winter with a better equipment. Other students would have applied for bursaries if their circumstances had permitted them to attend Summer School courses.

*Registered Students.* As the accompanying table of statistics shews, there were 723 students in attendance. This is the largest number so far recorded.

*Co-operation.* For various forms of assistance and co-operation it is a pleasant duty to express the gratitude of the department and of the College to the various Local Education Authorities, to the National Library and the County Libraries, and to the Class Secretaries.

*In Memoriam.* During the Session the Department suffered a severe loss through the death of Emeritus Professor W. Jenkyn Jones, M.A. His long experience as a teacher and his personal qualities made him a very efficient extra-mural class-teacher.

*Retrospect.* It is 21 years since the College definitely undertook Extra-Mural work. For two years (1915-1917), during the war, the work was interrupted but it has been carried on continuously ever since. During the Session 1913-14 two classes were held at Aberystwyth as a beginning and the tutors are happily still with us in the persons of Professor Stanley Roberts and Professor Gwynn Jones. Some of the original students are known to have attended Courses during the last Session. During the 21 years under review 457 yearly courses of various types have been conducted and the number of registered students amounted to 9718. In this way the influence of the College upon the life of the nation has been multiplied manifold. It is fitting that a tribute of respect and gratitude should be paid to the pioneers who were responsible for initiating this branch of College activity. Some of them are fortunately still with us but honourable mention should be made of the names and services of Principal T. F. Roberts and Principal J. H. Davies, for those of us who survive have entered into their labour.

(Statistics follow on pages 105-107.)

## STATISTICS.

County.	Centre.	Course.	Subject.	Students.		
				Men.	Women. Total	
Brecknock	Llanwrtyd Wells	Extension	Welsh	7	10	
Cardigan	Aberaron	Extension	International Relations	11	10	
	Aberystwyth	Extension	Physics	21	—	
	Beulah	Second Year	Rural Economics	17	1	
	Devil's Bridge	Extension	Welsh Literature	8	5	
	Glandyfi	Extension	Psychology	14	10	
	Llandyssul	Extension	Music	10	8	
	Llanilar	Second Year	Biblical Literature	11	7	
	New Quay	Extension	Welsh Literature	5	20	
	Penyparc	Extension	English	18	3	
	Rhydyfelin	Extension	New Testament Literature	6	9	
	Rhydyppennau	Extension	Psychology	16	8	
	Velindre	Extension	Music	6	10	
	Carmarthen	Carmarthen	Third Year	Currents of Modern Thought	4	4
		Carway	Extension	Social Development	21	2
Cwmduwyfran		Third Year	Welsh Literature	9	5	
Farmers		Extension	Welsh	8	5	
Llandeibie		First Year	Political Thought	24	—	
Llanelly		Second Year	Music	7	9	
Llanbyther		Second Year	Welsh Literature	11	3	
Pontyberem		Third Year	Modern Political Thought	12	1	
Tumble		Preparatory	Economics	14	4	
Merioneth		Aberdyfi	First Year	Geography	17	6
		Barmouth	Extension	Psychology	7	11
		Dinas Mawddwy	First Year	Ethics	11	13
		Harlech	Extension	Drama	7	11
		Pennal	First Year	Economics	12	11

234

143

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Montgomery	....	Churchstoke	....	Extension	....	History of Modern Agriculture	22	—
		Llanbrynmair	....	First Year	....	Welsh Literature	10	8
		Llanfyllin	....	Extension	....	Welsh Literature	10	4
		Llangynog	....	Second Year	....	Economics	10	1
		Machynlleth	....	Extension	....	Ethics	16	8
		Newtown	....	Extension	....	Welsh Literature	14	4
		Trefnanney	....	Extension	....	Rural Economics	33	—
								140
Pembroke	....	Dinas Cross	....	Preparatory	....	Economics	9	9
		Haverfordwest	....	Third Year	....	Economics	8	7
		Lletterston	....	Extension	....	Economics	12	3
		Moylgrove	....	Extension	....	Welsh Literature	12	4
		St. David's	....	Extension	....	Welsh History	11	8
								83
						TOTAL	723	



## SUMMARY.

<i>County.</i>	<i>Classes.</i>			<i>Students.</i>		
	<i>Tutorial.</i>	<i>Preparatory.</i>	<i>Extension.</i>	<i>Men.</i>	<i>Women.</i>	<i>Total.</i>
Brecknock	...	—	1	7	10	17
Cardigan	...	—	9	143	91	234
Cardigan	...	1	2	110	33	143
Merioneth	...	—	2	54	52	106
Montgomery	...	—	5	115	25	140
Pembroke	...	1	3	52	31	83
<b>TOTAL</b>	...	15	22	481	242	723

**CRAFT GALLERY.**

BY THE CURATORS.

Interesting and important additions have been made during the session.

In the Folk-craft section the additions include the following :—  
Old brown jack jug, puzzle jug, slip-ware dish with comb decoration, wood butter pat, wooden spoons, wood rolling-pin, wooden ladle, horn spoon, old razor box, two wood counting-frames (Chinese), two wood flax-beaters, carved wood spinner's comb, six pieces of old English glass including a glass rolling pin.

Additions to the collection of pottery are as follows :—  
From the kiln of Miss Deborah Harding five pieces, one piece by Misses Braden and Playdell-Bouverie, a salt glazed jar by Bernard Leach of St. Ives, Cornwall, a large ribbed vase by Mr. and Mrs. Charles Vyse, seventeen pieces from the kiln of Michael Cardew at Winchcombe, Glos.

The additions to the collection of Prints are as follows :—  
Etchings.

Two very fine dry point studies by Kenneth Steel :

“ Stirling Castle.”

“ Edinburgh Castle.”

Two etchings by E. Holloway :

“ Self Portrait.”

“ Self Portrait ” (another state).

Coloured etching by Edgar Wilson :

“ Thawing Wandsworth Common.”

Lithograph by Charles Shannon :

“ The Fan.”

By Elsie Henderson :

“ Doe and Fawn.”

Coloured Woodcuts by Henry J. Haley :

“ B.C. — A.D.”

and a second one—

“ For there was no room in the Inn.”

By Allen W. Sealey :

“ Harlech Castle.”

“ Magpie.”

“ Yellow Hammer and Black Thorn.”

By Cavendish and C. Morton :

“ Rhapsody in Blue.”

By Marjorie Abbott :

“ Wind and Rain.”

The collection of books has been augmented by the addition of the following :—

From the Gregynog Press :

Welsh Gypsy Folk Tales, collected by John Sampson, with wood-engravings by Agnes Miller Parker. John Milton, with wood-engraving by Blair Hughes-Stanton. “ The Lover's Song Book,” by W. H. Davies.

Among other purchases of books are the following :—

How to See Series—

How to See Birds.

How to See Flowers.

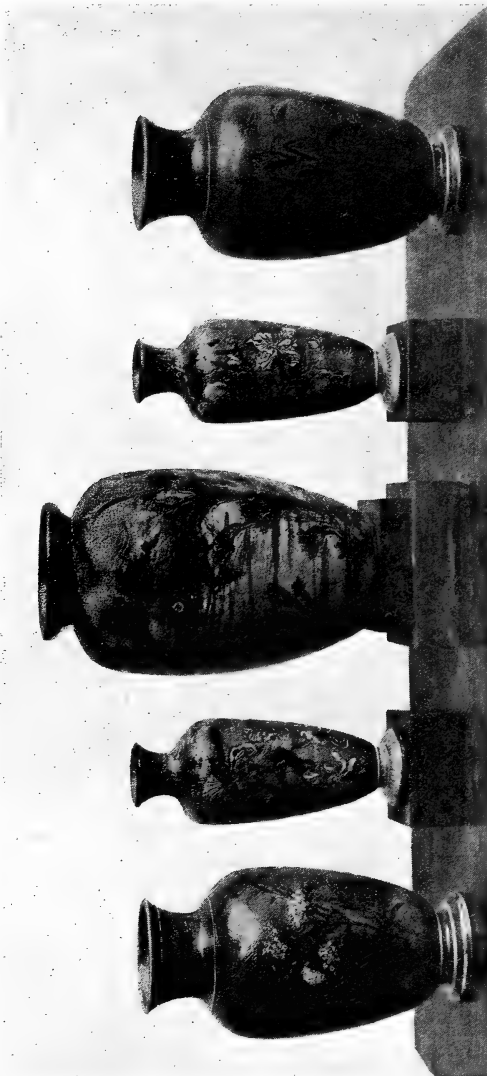
How to See Beasts.

How to See Plants.

Written and Illustrated by Eric Fitch Daglish.



CRAFT GALLERY  
RECENT ACQUISITIONS

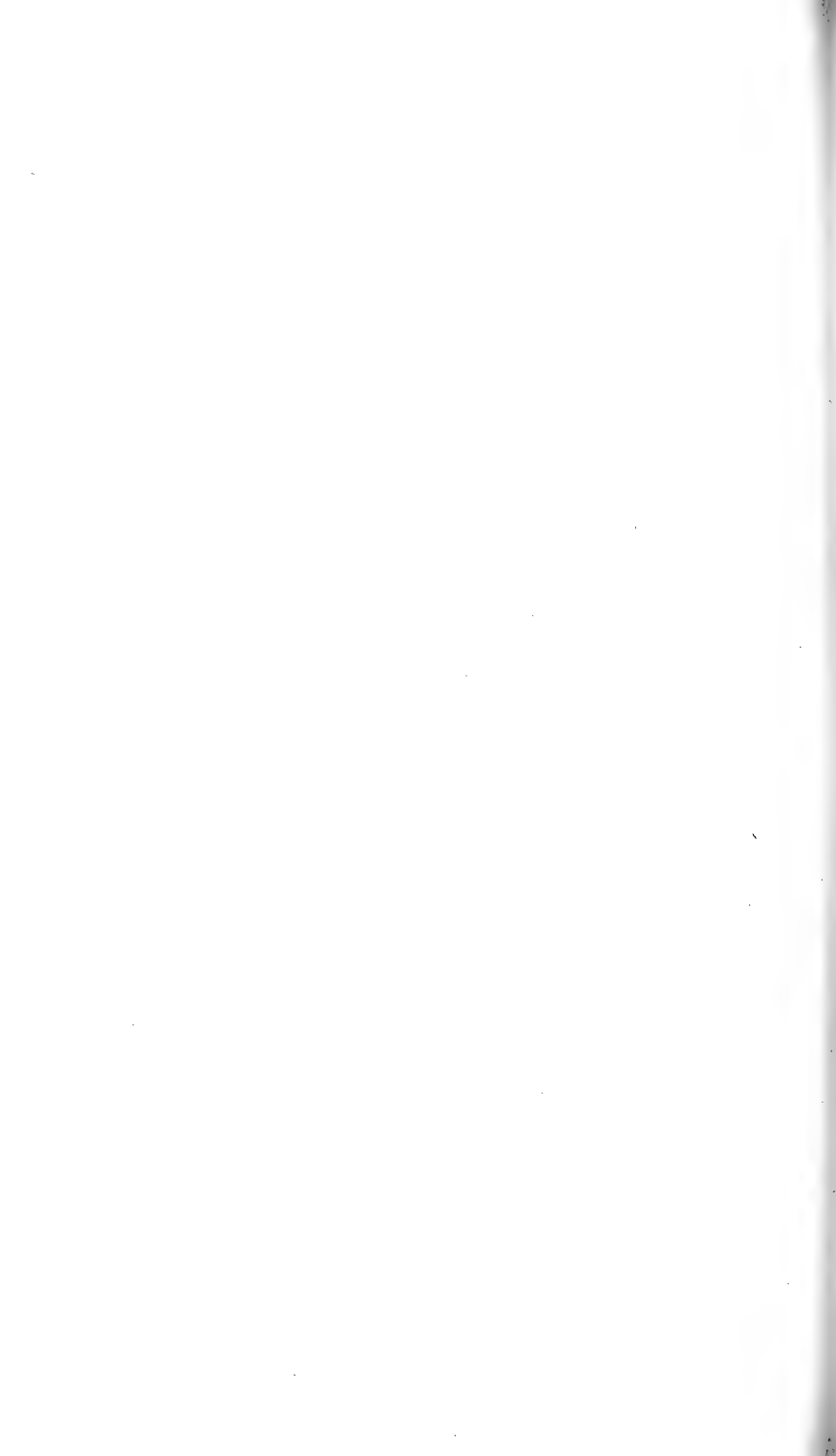


This group of finely enriched vases illustrates certain types of decoration which the Martin Brothers of Fulham Southall used for much of their saltglazed stoneware of the period 1890 to 1900. The central one with very low relief modelling of the fishes and seaweed is somewhat later in date and is the work of Edwin B. Martin. The four brothers worked together between the years 1873 and 1923, when Robert Wallace Martin died. There are other examples in the Gallery with very unusual treatment of textured surfaces.

CRAFT GALLERY  
RECENT ACQUISITIONS



Interesting examples from the growing collection of ceramic art. The two large figures "Mother and child" and "A Negress" are by Adrian Allison of St. John's Wood. The centre group is from the kiln of Messrs. Carter Stabler and Adams, Poole. The two small figures are from the kiln of Messrs. Doulton, Burslem.



Ancient Stained and Painted Glass, by F. Sydney Eden.  
 Charles Ricketts, R.A. (65 Illustrations), by Sturge Moor Cassill and Co.  
 Silversmithing, by Dunstan Pruden.  
 Geoffrey Chaucer, by Fr. Vincent McNabb, St. Dominic's Press.  
 Pottery, by George J. Cox.  
 Plays for Puppets, by H. D. C. P.  
 The XII Properties of a Lover, Sir Thomas More Kynghyte, Published at  
 St. Dominic's Press, Ditchling Common, Sussex.  
 Oscar Wilde, Recollections, by Jean Paul Raymond and Charles Ricketts.  
 The Nonsuch Press, Celtic Ornaments, by E. T. Leeds.  
 William Morris. Edited by G. D. H. Cole for the Nonsuch Press.  
 Wealden Glass, by S. E. Winbolt, M.A.

#### Furniture :

Old Oak Tridarn (North Wales).

A loan of etchings and woodcuts was again made to the Hall of Residence. A request for a similar loan for the Women's Common Room at the College was also granted.

A large exhibition case has been purchased and two more are on order.

Among the gifts to be recorded are the following for which grateful thanks are offered to the donors :—

From Mr. H. F. Elenor :

A portfolio of reproductions of engravings from the 15th century to the 19th century.

A portfolio of reproductions of French etchings.

From Mrs. J. O. Jones, Tegfan, Terfyn Terrace, Port Dinorwic :

Two Love Spoons.

From Principal Ellen Evans, Barry :

A collection of 12 Ivory Bobbins.

From Mr. G. Richardson, Hinckley :

Wooden Nut Cracker.

From Mr. Plant, Aberystwyth :

Bronze Pipe Stamp.

From Miss Ellis, Narberth :

Wooden Clamp for Needlework.

Bowl (Swansea Ware).

Wooden Piggin.

Two studies in oil by George Murray.

From Mr. W. Grant Murray, A.R.C.A., Principal, School of Art, Swansea :

Four coloured reproductions of Scenes from the Swansea National Eisteddfod Gorsedd, from the original painting by W. Grant Murray, A.R.C.A.

### LIBRARIES.

MR. ARTHUR AP GWYNN, LIBRARIAN.

The use made of the Libraries by students continues at about the same level as in former years, with a satisfactory increase in the number of books issued, both for reading during term and for vacation reading. Figures relating to issues are given below.

The difficulties of administration mentioned in the past, however, still exist, and are, it is to be feared, likely to continue. They are, chiefly, a lack of adequate and convenient shelving space, which results in an unsatisfactory and makeshift arrangement of the classes of books; and a lack of sufficient staff to supervise the working of the departmental libraries. It is hoped that with the approach of the next quinquennial period these needs may be at least partially met.





Number of borrowers for vacations—General Library	578
—Science Library	101
Books borrowed through National Central Library	45
Books applied for, but not available	21
Theses borrowed	5
Books lent through the National Central Library	32
Books applied for to Library, but not available for loan	4
Number of catalogue cards sent to the Union Catalogue, Regional Libraries Scheme for Wales and Monmouthshire	21,989

#### *Donations.*

Gifts of books and periodicals have been received during the session from the following donors:—

Professor Jerome D. Greene (204 volumes presented to the General Library and the Departmental Libraries of the Economics, Geography and International Politics Departments); Mrs. Hugh Lloyd, Liverpool (37 volumes of Welsh history and Literature); Sir John Edward Lloyd (MS volume of lectures on Sanskrit delivered in the College by Dr. Ethé in 1878); Professor C. K. Webster (17 volumes, a complete set of the periodical *The New Europe*, 1916-20).

Aberdeen Public Library; American Museum of Natural History; Armstrong College, Newcastle on Tyne; Association of Head Mistresses, London; Professor F. W. Aston; Australia, Council for scientific and industrial research; Australia House, Official Secretary; Professor André Barbier; A. Belch, Esq., London; J. Bibby and Sons, Ltd., Liverpool; Biblioteca de Catalunya, Barcelona; Board of Education, Welsh Department; British Academy; British Broadcasting Corporation; British Hanovia Quartz Lamp Co., Ltd., Slough; British Museum; British Museum of Natural History; Robert S. Brookings, Esq., Washington; Burroughs Wellcome & Co., Ltd., London; University of California; Calvinistic Methodist Bookroom, Caernarvon; Cambridge Observatory Syndicate; Cambridge Public Library; Canadian Arctic Expedition; Canadian Bank of Commerce, Toronto; Cardiganshire County Library, Aberystwyth; Carnegie Endowment for International Peace; Carnegie Institution of Washington; Carnegie Trust for the Universities of Scotland; Carnegie United Kingdom Trust; Cercle de la Librairie, Paris; Chemical Foundation Inc., New York; Chinese Medical Association, Shanghai; Chiswick Press, London; Colombo Museum; Columbia University, New York; Colwyn Bay Public Library; Commonwealth Fund, New York; Council for the preservation of rural Wales; F. Leonard Crowsley, Esq., Bedford; Lord Davies of Llandinam; Discovery Committee, London; East African Agricultural Research Committee, Amani; University of Edinburgh; Empire Marketing Board, London; Field Museum of Natural History, Chicago; Fiji, H. E. the Governor of; Thos. Firth and John Brown Ltd., Sheffield; Professor R. B. Forrester; French Ambassador, London; German Railways Information Bureau, London; Dr. A. G. Gibson, Oxford; Dr. George H. Green; Alastair Guinan, Esq., New York; Hannah Dairy Research Institute, Kirkhill, Ayr; E. Howard Harris, Esq.; Harvard College Library, New Haven; Hawaii Agricultural Experiment

Station, Honolulu ; Messrs. A. Herbert, Ltd., Coventry ; The Hon. Mrs. Aubrey Herbert, London ; Sydney Herbert, Esq. ; High Commissioner for Canada ; High Commissioner for India ; High Commissioner for New Zealand ; Highland and Agricultural Society of Scotland ; L. J. Hudleston, Esq. ; Institute of Chemistry ; Institute of Physical and Chemical Research, Tokyo ; Instituto de Reforma Agraria, Madrid ; Istituto di Scienze economiche e commerciale, Genova ; Iowa Agricultural Experiment Station, Ames, Iowa ; Ipswich Public Libraries ; Director of Agriculture, Jamaica ; Japanese Financial Commission, London ; Mr. and Mrs. Thomas Jones, London ; K. F. Koehlers Antiquarium, Leipzig ; Thorvald Kornerup, Kopenhagen ; Professor R. D. Laurie ; Leicester Public Libraries ; Sir Alfred Lewis, London ; Timothy Lewis, Esq. ; Library of Congress, Washington ; University of London ; London, Midland, and Scottish Railways ; Longmans, Green and Co., Ltd. ; Manager of Publications, Civil Lines, Delhi ; Charles G. Matthews, Esq., Borth ; Midhurst, King Edward VII Sanatorium ; Minnesota University, Agricultural Experiment Station ; Montgomeryshire Society ; Dr. R. Owen Morris, Aberdyfi ; Mohit Kumar Munshi, Calcutta ; Musical Association, Chiswick ; Université de Nancy, France ; National Central Library, London ; National Flood Relief Commission, Shanghai ; National Herbarium of Victoria ; National Library of Wales ; National Museum of Wales ; National Research Council of Japan ; National Union of Teachers Press Committee, 1933 ; New York State Library ; New York State University ; Professor Lily Newton ; North of Scotland College of Agriculture ; Northern Ireland, Ministry of Education ; Nuevo Leon, Universidad de ; Nyasaland, Director of Agriculture ; Office de Statistique, Prague ; Office of Census and Statistics, Pretoria ; Edgar Osborne, Esq., County Library, Derbyshire ; Professor T. H. Parry-Williams ; "Pesti Hirlap," Editor of, Budapest ; Dr. E. M. Phillips, U. C. W. ; Pilgrim Trust ; University of Pretoria ; Aleya Lyell Reade, Esq., Blundellsands ; Regional Libraries Scheme for Wales and Monmouthshire ; Canon G. H. Rendall, Dedham ; Rhodes Trustees ; Rhodesia Chamber of Mines ; Rice Institute, Houston, Texas ; Royal Asiatic Society, London ; Rubber Growers' Association ; Russell Sage Foundation, New York ; University of St. Andrews ; A. R. Sansbury, Esq. ; Secretary of State for India ; James Brown Scott, Esq. ; G. Spiller, Esq., Greenford ; Sir Henry Stuart-Jones ; Toronto University ; Truman and Knightley Ltd. ; M. F. Vallée, Saint-Brieuc, Brittany ; Vendôme Press, Paris ; Dr. Jiri F. Vranek ; E. P. Wallis-Jones, Esq., U.C.W. ; Washington University ; Welsh Agricultural Organization Society, Ltd. ; Welsh Housing and Development Association, Cardiff ; Welsh Mountain Sheep Flock Book Society ; Theodore White, Esq., U.C.W. ; Williams and Norgate, Ltd., London ; J. D. Williams, Esq., Aberystwyth.

Calendars and prospectuses have been received from the following universities and colleges :—

Aberdeen University ; Armstrong College, Newcastle on Tyne ; Auckland University College ; Bangor, University College of North Wales ; Barcelona, Universidad Autonoma de ; Bedford College for Women ; Birkbeck College ; Birmingham Central Technical College ; Birmingham University ; Brighton Technical College ; Bristol University ; Caen, Université de ; Cambridge University Registry ; Canterbury University College, Christchurch, N.Z. ; Cape Town University ; Carnegie Institute of Technology, Pittsburgh ; Chelsea Polytechnic ; College of Preceptors, London ;

Colorado University; Columbia University; Cork University College; Dalhousie University, Halifax, Nova Scotia; Dublin, Trinity College; Dublin, University College; Durham University; Edinburgh, Heriot Watt College; Edinburgh University; Egyptian University, Cairo; Exeter University College; Glasgow Royal Technical College; Harlech, Coleg Harlech; Harper Adams Agricultural College; Hong Kong University; Hull University College; Imperial College of Tropical Agriculture, London; Ireland, National University; Kitchener School of Medicine, Khartoum; Leeds University; Leicester University College; Liverpool University; London, King's College; London, Royal Holloway College; London School of Economics; London School of Hygiene and Tropical Medicine; London, University College; Lucknow University; McGill University; Manchester College of Technology; Manchester University; Melbourne University; North of Scotland College of Agriculture; Nottingham University College; Oslo, Kongelige Frederiks Universitet; Princeton University; Queensland University; Reading University; Rothamsted Experimental Station, Harpenden; St. Mary's Hospital Medical School; Saskatchewan University; South Africa University; Southampton University College; Swansea University College; Tasmania University; Tokyo Imperial University; Trinity College of Music; University Correspondence College, Cambridge; University of Wales; Welsh National School of Medicine; Welsh Plant Breeding Station; University of Western Australia.

Eighty-two theses have been received from the University Registry, Cardiff.

### HALLS OF RESIDENCE FOR WOMEN STUDENTS.

SENIOR WARDEN: MRS. K. GUTHKELCH.

The session 1933-34 has been an interesting and successful one at the three Halls of Residence, thanks to the able and helpful co-operation with me of the Wardens of Carpenter Hall and Plynlymon Hall. Every effort has been made to maintain and indeed increase where possible the efficiency of the hostels, and the Wardens felt well rewarded when the members of the University Grants Committee expressed their satisfaction and appreciation of the state of things obtaining among the women students. The Committee inspected the Halls on May 16th, and were entertained to tea at Alexandra Hall after their visit. Miss Margery Fry showed special interest in the provision made for women students here, and came a second time to Alexandra Hall the following day. The Committee's strongly-expressed desire to see parallel Halls for men students was perhaps the best proof of their approval of the work we do for the women. I view with satisfaction the improved physical condition of the women and am cheered when they show—as they have repeatedly done during the past session—that they are responsive to our efforts to train them in self-discipline as well as in a right attitude to authority. I also welcome the evidence they show from time to time of an increasing sense of social responsibility. They are perhaps hampered in social service during their years at our 'College by the Sea.' They see no slums or settlement work in Aberystwyth, as they would in a city. And the beauty and comparative prosperity of their surroundings make it difficult for them to realise the claim upon them of the less fortunate. Fortunately there are opportunities for service here and there: the S.C.M. provides some such, and so does the Girl Guide Cadet Company—a little advertised but hard-working group of older Guides, who prepare during College days for the leadership of Companies in schools or in towns when college life is over.

The health of the community has been so good that the excellent trained Nurse (Nurse Williams) had but little opportunity of showing the kindly skill she abundantly possesses. The only considerable expense incurred by women students upon the College Medical Scheme (of which they have now been members jointly with the men for three years) was by five cases of appendicitomy at the Infirmary. These cases made remarkably speedy recoveries. I record also with great thankfulness our almost complete freedom from influenza and other complaints throughout the session, both among staff and students.

In the period July, 1933, to July, 1934, we accommodated the following Vacation Schools and tenants, in our perennial effort to reduce the debts on the Halls:—

- Alexandra Hall : 1. National Young Life Campaign (five weeks, July-August, 1933).  
2. Board of Education Short Course for Teachers of History in Welsh Secondary Schools (Easter, 1934).
- Carpenter Hall : 1. Short Course for Clergy of the Diocese (4 days, June 1933).  
2. Workers' Educational Association, West Riding Branch (5 weeks, July-August, 1933).  
3. Teaching Practice Students and Supplementary Examination Candidates (September, 1933).
- Plynlymon Hall : 1. National Young Life Campaign (3 weeks, July-August, 1933).  
2. Old Students' Association (10 days, Easter, 1934).

It should be noted that the National Young Life Campaign rented Alexandra Hall and Plynlymon Hall for the sixth year in succession, and are coming again in July, 1934. In addition, a large number of old students and other guests have re-visited Alexandra Hall, not only during the annual Easter re-union of the Old Students' Association, but at Whitsun and various times throughout the year.

The number of women students in residence at the beginning of session 1933-34 was:—

Alexandra Hall	132
Carpenter Hall	50
Plynlymon Hall	47
	229

### OFFICERS' TRAINING CORPS.

MAJOR H. F. STIMSON, T.A. Res.

- |                   |             |                     |
|-------------------|-------------|---------------------|
| 1. Establishment  | 3 Officers. | 120 Officer Cadets. |
| Strength 1933-34. | 2 „         | 100 „ „             |

#### 2. Training.

(a) GENERAL. There has been a marked improvement all round, the recruits being of good stamp and keenly interested in the work.

(b) SPECIAL. The usual intensive course of training held at the end of the Spring Term was attended by 56 cadets and much valuable preliminary training was accomplished.

(c) **MUSKETRY.** Increased interest is being paid to this branch of the training and a small team attended the Glamorganshire Rifle Association at Whitsuntide and acquitted itself most creditably.

### 3. *Annual Training.*

The Annual Camp was again held at Weymouth under ideal conditions, the work and games being thoroughly enjoyed by all ranks. The following is a copy of the report by Major-General Freyburg, V.C., C.M.G., D.S.O., LL.D., who inspected the contingent on Monday, July 22nd.

**DRILL.** The officer cadets were very steady on parade and the drill was well carried out.

**MANOEUVRE.** Small tactical schemes were carried out on the manoeuvre area which showed the training had been well arranged and the officer cadets well taught.

**DISCIPLINE.** Excellent in every respect.

**TURN OUT.** Very good. State of the clothing is serviceable and well kept.

**GENERAL REMARKS.** The Inspecting Officer was very much impressed by the fine physique and general bearing of the officer cadets of this unit, as with everything seen during the inspection. The officer cadets were most steady on parade, and all their work in the field was carried out with intelligence and great keenness and reflects credit on all concerned, which points to the fact that they are well commanded and trained by their officers.

Officer Cadet Sgt. Major Harris, B., again had the honour of commanding the combined parade of the Birmingham, Bristol, Reading and Aberystwyth contingents on that day.

### 4. *Certificates.*

A record number of candidates for the "A" and "B" certificates passed the Part I Practical Test this year and will sit the Part II (Theory) Test during the Autumn Term 1934.

### 5. *Officer Cadet Reserve.*

With few exceptions all qualified cadets have joined the Officer Cadet Reserve.

### 6. *Command.*

Major Stimson has been granted a further extension and will remain in command until April, 1936.

### 7. *Officers.*

Lieuts. J. H. Evans and W. J. Lewis (attached from 7th R.W.F.) have had to sever their connection with the corps. They are thanked most sincerely for their loyal and valuable assistance. Dr. Gwynne Davies and Mr. T. Garstang, M.Sc., are shortly to be gazetted for service with the contingent.

### 8. *Acknowledgments.*

The Commanding Officer wishes to place on record his deep appreciation of the interest taken in the Corps by Principal Sir Henry Stuart-Jones and his thanks to Professor T. Campbell James and Mr. E. B. Hicks for their assistance.

**AGRICULTURE.**

PROFESSOR J. JONES GRIFFITH.

The numbers of students taking courses of study in the Agricultural Department during the past session were as follows:—

*Degree Course* :—

1st Year	....	....	....	....	14
2nd Year	....	....	....	....	14
3rd Year	....	....	....	....	6
4th Year	....	....	....	....	3
Postgraduate	....	....	....	....	6

*Diploma in Agriculture* :—

1st Year	....	....	....	....	2
2nd Year	....	....	....	....	8
3rd Year	....	....	....	....	4

*Diploma in Dairying* :—

1st Year	....	....	....	....	11
2nd Year	....	....	....	....	4

Short Course in Agriculture	....	....	....	....	13
Continuation Course in Agriculture	....	....	....	....	5
Short Course in Dairying	....	....	....	....	23
Special Course in Dairying	....	....	....	....	2
Short Course in Agricultural Economics	....	....	....	....	7
Students taking other special courses	....	....	....	....	2

*Degree Course.*

At the Honours Stage, Stephen Williams did excellent work throughout the session. He was awarded a First Class and his work was very highly praised by the external examiner. Mr. Williams is undoubtedly one of the best students we have had in the department for several years and he should receive every possible encouragement to carry on with post-graduate research work.

Six students passed the Final Stage of the University Examinations. Three of them did not attain anything higher than a pass standard, but the work of H. Edmunds, J. S. Hopkins and L. J. McHardy is worthy of special mention.

Students attending the subsidiary class worked well, but a few of them failed to make satisfactory progress owing to the fact that they had no previous experience of practical agriculture. Consequently it has been arranged that they should spend the whole of their summer vacation on farms in order to enable them to cope with the work in the final stage next session.

*Agricultural Diploma Course.*

The quality of the work with the Diploma students was on the whole well up to the average standard. W. R. Lloyd Jones, Iorwerth Roberts and Kenneth P. Williams deserve special mention.

*Short and Continuation Courses in Agriculture.*

Although these classes were rather small in number they included several very promising students who have expressed a desire to return to College next Session with a view to pursuing either a degree or a diploma course.

*Dairy Courses.*

With the exception of Mr. J. Lewis, whose work was of outstanding merit, the progress made by second year students was less satisfactory than usual. The first year students did excellent work and should be able to make good progress with the more advanced section of the course next session.

During the Michaelmas Term a number of students in the Department made a request for some arrangement to be made to enable them to acquire a knowledge of the Welsh language. I am very glad to be able to report that Professor Parry-Williams was able to establish a special class in the Welsh Department to meet this demand. The class met once a week during the Lent Term and was attended by 12 of our agricultural students. I find that all members of the class appreciate the help they have received and hope it will be possible to make similar provision in the future.

*College Farm.*

During the year under review a large number of farmers visited the farm and appeared to take a keen interest in the various experiments and demonstrations which were in progress. Owing to the numerous requests we have received in recent years for the College to provide some form of educational work in poultry-keeping, it has been decided to develop the poultry work at the farm. We have during the past season done a considerable amount of rearing and some progress has been made with the work of providing the necessary equipment to make it possible to develop the scheme on a fairly big scale next year.

I wish to place on record my gratitude to my colleagues in the Agricultural Department and other members of the College Staff for their courtesy and valuable co-operation with the work. I also desire to express my appreciation of the keen interest taken by the College Agricultural Committee in all matters relating to the College Farm and the Agricultural Department.

**AGRICULTURAL BOTANY.**

MISS KATHLEEN SAMPSON.

The number of students taking courses during the session 1933-34 was as follows :—

Research and advanced courses	....	....	4
Degree : Honours	....	....	1
Subsidiary	....	....	16
Diploma in Agriculture :	1st year	....	3
	2nd year	....	8
	3rd year	....	5
Diploma in Dairying :	1st year	....	10
	2nd year	....	2
Continuation Course in Agriculture	....	....	5
Short course in Agriculture	....	....	13
Special courses	....	....	2
			—
			69
			—

*Diploma.*

The Diploma students worked well on the whole and made satisfactory progress, though none showed exceptional merit. Four students received the College Diploma and one the National Diploma in Dairying. Five students obtained the College Diploma in Agriculture, and two were awarded the National Diploma in Agriculture.

*Degree.*

The subsidiary class of 16 included six students who reached a high standard. Of the 14 students who entered for the sessional examination, eleven passed.

A new scheme for an honours course in Agricultural Botany came into operation this session. Mr. P. T. Thomas, the only candidate, was placed in the first class at the honours examination.

Mr. J. H. Western, B.Sc., who graduated with first class honours in 1933, was awarded a Ministry of Agriculture Research Scholarship. His first year has been spent at Aberystwyth and he has made good progress in his work on the problem of biological specialization and disease resistance with particular reference to the oat smuts.

*Higher Degrees.*

Four candidates have been awarded the degree of M.Sc. during the Session.

Mr. E. L. Hughes on a thesis entitled "Variation and correlation in some lines of oats."

Mr. R. G. Walker on a thesis entitled: (1) "The effect of presoaking on the grains of *Avena sativa*"; (2) "Suction force measurements on the seeds of some varieties of oats."

Mr. Gwilym Evans, B.Sc., on a thesis entitled: (1) "Studies of chromosome complements in species of *Lolium* and *Festuca*"; (2) "Studies relative to seed production of herbage plants."

Mr. William Ewart Jose Milton, N.D.A., on a thesis entitled: (1) "The palatability of the self-establishing species contributing to different types of grassland"; (2) "The relative palatability of seeds mixtures, and a study of the influence of fertilizers on the natural hill pastures."

During the summer, four students are assisting members of the research staff and a "camp" has been established once more at the farm in Professor Stapledon's bungalow. The students greatly appreciate the chance this gives of learning something of research methods.

The department is indebted to the following members of the advisory and research staff who have given lectures:—

Mr. D. Walters Davies, B.Sc. (Applied Mycology).

Mr. M. T. Thomas, B.Sc. (Grassland Agronomy).

Captain R. D. Williams, M.Sc. (Genetics and Plant Breeding).

Mr. E. T. Jones, M.Sc. (Oats).

Mr. H. G. Chippindale, M.Sc. (Physiology).

Mr. T. Emlyn Jones, N.D.A. (Statistics and Plot Technique).

*Pass Students.*

The following recent appointments have been made:—

Mr. D. S. Edwards, Rural Science Master, Tregaron County School.

Mr. W. A. Jones, Research Assistant at the Agricultural Research Station, Jealotts Hill.

Mr. J. O. Thomas, Instructor in Agricultural Science, Dauntsey's Public School, Wiltshire.

Mr. E. L. Hughes, Rural Science Master, Llandyssul County School.

Mr. R. G. Walker, Science Master, Central School, Lampeter.

*Library.*

A more extensive library for students is one of the outstanding needs of the department. The officers of the Bureau of Plant Genetics have given the most generous help to staff and to senior students, but it is too much to expect that the Bureau with its limited accommodation shall extend its facilities to students of all grades. The result is that prior to the Honours year, students are most inadequately provided with books and periodicals. A considerable sum of money is required to bring the departmental library up to date.



*Research.*

Mr. D. Walters Davies has been experimenting upon the control of smut diseases of cereals which have been exceptionally severe in the locality of recent years. Experiments are also in progress on the resistance of different strains of red clover to stem rot. This serious disease has only appeared recently in the mid-Wales area and at present it is restricted to one district. Variety trials with tomatoes and early potatoes are conducted at the experimental gardens on the Llanbadarn Road.

Miss A. A. Poulter has continued her study of strains of the clover nodule organism and their relative importance in connection with the introduction of clover on the pastures of Wales. Experimental work has been arranged in co-operation with the bacteriological department at Rothamsted.

During the session I have made further study of the *Lolium* endophyte and have presented a paper on this subject to the British Mycological Society. The histology of certain wheat varieties and their hybrids invaded by *Tilletia tritici* has also been a subject of study this year.

It is with much regret that we say goodbye to Miss Poulter who resigns her post in October. The department has benefited greatly by her efficient and loyal help and by the enthusiastic way she has co-operated in all its activities.

As in past years, the department has been helped in a variety of ways by members of the staff of the Plant Breeding Station and I have pleasure in thanking the Director and all members of the advisory and research staff.

**AGRICULTURAL CHEMISTRY.**

PROFESSOR T. W. FAGAN.

The number of students attending classes in the Department during the Session was fifty-four which is the number that attended during the previous session. Their distribution is given in the following table:—

Short Course in Agriculture	....	....	....	13
Continuation Course in Agriculture	....	....	....	5
Diploma Course in Agriculture	....	....	....	13
Diploma Course in Dairying	....	....	....	14
Degree Subsidiary	....	....	....	6
Degree Final	....	....	....	2
Research	....	....	....	1
				—
				54
				—

*Short Course and Continuation Course in Agriculture.*

Compared with the previous year there was a slight increase in the number of Short Course students. Unfortunately, owing to a variety of circumstances, several promising students were unable to return for the Continuation Course, with the result that fewer attended this course than in 1933.

The work done by both classes of students was very satisfactory and the high standard set for this class of students during Session 1932-33 was fully maintained.

*Diploma Course in Agriculture.*

Five students completed the College Diploma Course in Agriculture and of the five students who sat the National Diploma Examination in Agriculture all were successful in Agricultural Chemistry. A number of Diploma students in their practical work bring samples of soil, manures

and foodstuffs from their own homes for examination in the laboratory in preference to those ordinarily supplied for such exercises. This certainly adds interest to their practical work, and at the same time shows that they fully realise that the work performed in the laboratory has a very direct and important bearing on farming practice. The work of the students taking the Diploma Course in Agricultural Chemistry was of a very satisfactory standard.

#### *Diploma Course in Dairying.*

During the last two or three years the number of students attending the Diploma Course in Dairying has been steadily increasing. Recent legislation affecting the sales of milk and dairy products has no doubt been to some extent responsible for the increase in the number pursuing the course. Apart from creating a number of posts, it is evident that only those persons who have had a thorough training in the scientific aspects of the business can hope to be employed under these schemes.

Four students completed the College Diploma in Dairying and the two who presented themselves for the National Diploma in Dairying were successful in Agricultural Chemistry.

#### *Degree Subsidiary.*

This was one of the best group of students that has attended the course for some time. They all took a keen interest in the subject and worked extremely hard with the result that all were successful in their examination.

Three members of the class intend to pursue the subject to the higher stages and if the standard of work shown in the last session is maintained they should do well.

#### *Degree Final.*

Both students taking the course did very satisfactorily. Their practical work in the laboratory was particularly good and they fully appreciated its importance and bearing on their future course.

The essays submitted on various branches of the subject were well above the average.

#### *Research.*

Mr. W. M. Ashton who holds the Sir Garrod Thomas Scholarship has been engaged during the Session in an investigation into the chemical composition and nutritive value of the newer varieties of oats bred at the Welsh Plant Breeding Station.

The work so far has been more particularly concerned with :—

- (1) A comparison of the nutritive value of the grain and straw of these varieties with that of the older varieties.
- (2) To determine whether there is any correlation between their fibre content and such botanical characteristics as strength of straw and the resistance to lodging which they exhibit.
- (3) The influence of locality where grown on their chemical composition.

Mr. Ashton has in addition examined the chemical composition of a number of meals and by-products resulting from the milling of these oats. His work gives promise of yielding valuable information not only to the breeder of oats but also to the practical farmer.

In conjunction with the Welsh Plant Breeding Station Staff and the College Farm, Nantcellan, the following investigations are in progress :—

- (1) The influence different methods of preserving green fodder have on its chemical composition and nutritive value. (Second Year).
- (2) The effect of material deposited from a polluted atmosphere upon the surrounding pastures.

In conclusion, I desire to express my thanks to my colleague, Mr. R. O. Davies, for his unfailing support and valuable assistance in the work of the Department generally.

## **AGRICULTURAL ECONOMICS.**

PROFESSOR A. W. ASHBY.

During 1933-34 there was only one student in the degree courses in agricultural economics. This student was a candidate for Honours in Economics with Agricultural Economics, and attained a very creditable position in the second class. There have been several enquiries and some applications respecting registration for post-graduate studies in 1934-35. Mr. A. L. Jolly, B.A., a Training Scholar of the Ministry of Agriculture, presented a thesis for M.Sc., and was awarded the degree.

### *Staffing.*

Unfortunately the staffing of the Department was disturbed during the Session. In October, Mr. J. Llefelys Davies, M.Sc., left to join the staff of the Milk Marketing Board, and in June Mr. J. Glynne Williams, B.Sc., M.S., left to join that of the Potato Marketing Board. While loss of their services is regretted, they are to be congratulated on appointment to positions of responsibility. Several other persons who have either served the Department or pursued post-graduate studies under its supervision have also obtained satisfactory positions under the Milk Marketing Board.

The staff positions vacated have been filled by the appointment of Mr. W. H. Jones, M.Sc., previously Permanent Technical Assistant in the Department, to that of Marketing Assistant (Co-operation), and by the appointment of Mr. E. Llewelyn Harry, M.Sc., to the position of Special Marketing Assistant in place of Mr. Davies. Mr. Harry graduated in 1928, and has since served on the staff of Avoncroft College, and a secondary school, but for four years he was Agricultural Economist on the staff of the Agricultural Education Committee of Glamorgan. The position vacated by Mr. W. H. Jones was filled by the appointment of Mr. J. H. Smith, B.Sc., as Permanent Technical Assistant. Mr. Smith took first class Honours in the Department in 1933, and in the meantime had been engaged in the Department of Agricultural Economics, Reading University. The staff is again complete, according to the provisions for recent years.

### *Research.*

Changes in the staff necessarily caused some interruption in research work, but a fairly full programme has been followed.

Financial Accounts of about 70 farms are being kept, and accounts for about 40 poultry farms or poultry enterprises of general farms are now being closed for the first year. The list of publications shows the subjects on which we have been able to present the conclusions of completed or advanced research work.

Since joining the Department, Mr. E. Ll. Harry has made very considerable progress with a survey of milk consumption in a part of the Rhondda Valley. This study of consumption of milk and allied products in one of the distressed areas of South Wales already shows promise of important and exceedingly useful results. Mr. J. H. Smith has made considerable progress with a survey of commercial horticulture on farms, small holdings and market gardens, in the Aberystwyth area of Cardiganshire. This study will show how a group of farmers are adapting their system of production to changes in their traditional markets for livestock and taking some advantage of developing markets in other lines.

*Extra-Mural Work.*

The following classes were conducted :—

Mr. J. Pryse Howell.	} Cardigan 4.
Mr. J. Glynne Williams.	
Mr. W. H. Jones	

The number of individual lectures have been as follows :—

Mr. J. Pryse Howell.	2
Mr. J. Glynne Williams.	16
Mr. W. H. Jones.	2

I was called upon to lecture on various subjects in agricultural economics in eight counties of England, and altogether I provided 14 lectures under the Special Lectures (Research Institutes, etc.) Scheme of the Ministry of Agriculture. I also delivered 17 individual lectures in the Principality.

Mr. W. H. Jones also conducted two classes in Rural Economics, under the Tutorial Classes Committee, at Churchstoke and Trefnanney, Montgomeryshire. During the later part of the session he also deputised for Mr. Thomas Lewis, M.Sc., in the conduct of the Tutorial Class at Beulah, Cardigan. Mr. J. Glynne Williams conducted a Tutorial Class at Pennal, Merioneth.

An exhibit has been presented at several agricultural shows, including the Royal Welsh at Llandudno.

No effort has been spared in bringing the general work and the results of research in the Department to the notice and to the service of farmers, and on the whole the evidence is that the efforts have been appreciated.

*Joint Scheme—Co-operative Advisory Work.*

Again, two national Conferences have been held in Aberystwyth, in October and May, with good attendances in each case. The Reports of these Conferences have been issued to all the persons concerned. During the year Mr. Glynne Williams paid special attention to the subjects of superannuation insurance of employees of co-operative societies, and of collective life assurance of members of these societies. Full information has been put before officials and members concerned, but progress in practical consideration of the approved scheme of superannuation has been disappointing. All requests for advisory visits to societies have been met, and replies given to all enquiries. Mr. Glynne Williams, and lately Mr. W. H. Jones, have worked when necessary in close collaboration with the staff of the Welsh Agricultural Organisation Society.

*Publications.*

A list of publications is appended. Unfortunately the disturbance of the staff, especially the loss of Mr. J. Llefelys Davies, made impossible the resumption of publication of *Farm and Market* and *Agricultural Business* during the session under review.

*General.*

The progress of the research work of the Department has been as good as could be expected under the circumstances. And in spite of dislocation all requests for advisory services have been met. I wish to record my appreciation of the ready service of my colleagues in all branches of the work and of their adaptability to changing requirements.

*Publications by Students :—*

Mr. S. T. MORRIS.

Cattle-Raising by "Suckling" in Radnorshire. *Welsh Journal of Agriculture*, Vol. X. 1934.

Mr. A. L. JOLLY.

A Comparative Study of Production on Farms in the Welsh-pool District of the Severn Valley for the years 1919 and 1932. *Welsh Journal of Agriculture*, Vol. X. 1934.

## WELSH PLANT BREEDING STATION.

DIRECTOR : PROFESSOR R. G. STAPLEDON.

The year under review has again been a difficult one, consequent upon the uncertainties resulting from the Government's decision to terminate the activities of the Empire Marketing Board. The Station has been enormously assisted by grants from this source, which were first made at a time when expansion was absolutely necessary if far-reaching practical benefits were to result from the researches in progress. The maximum grant from the Board was the substantial sum of £4,576 for a full academic year. As a result of this assistance it had been possible to institute a well conceived scheme for the growing-on and distribution of the pedigree strains of grasses produced at the Station. Happily there is every prospect of the grant for this all-important work being safeguarded, but unfortunately I can see no immediate prospect of any additional sum being placed at our disposal in order to keep pace with the researches in plant breeding and the development of new strains and varieties. The grant from the Empire Marketing Board also made it possible (a) to institute a Department of Physiology; (b) to appoint an assistant to Captain Williams in the Department of Clover Breeding, and (c) to appoint a whole-time Secretary. The Department of Physiology, under the able direction of Mr. Chippindale, has been of immense value in connection with the researches in progress, and of particular importance relative to our work on the improvement of hill land. It is, therefore, greatly to be deplored that the activities of this Department will have to be terminated at the end of the present session consequent upon the official decision that it will be no longer possible to provide the necessary funds from Government sources. It is with the profoundest regret that I shall part with the services of Mr. Chippindale, who has served the Station with signal success, and to our great advantage, for five years. While in the interest of grassland research, and of the Station in general, it is a definite calamity to have to abandon completely a line of work which has gained considerable momentum, and which is fundamental in regard to the problems with which the Station is concerned.

Mr. Silow (the assistant to Captain Williams) very largely as a result of the uncertainties arising out of the decease of the Empire Marketing Board, left us last November to take up an important post with the Empire Cotton Growing Corporation at the Cotton Research Station, Trinidad, British West Indies. Mr. Silow's fears have been justified, and the official view is that a further saving must be made at the expense of Captain Williams' assistant. I regard this as a very serious matter. Captain Williams' extensive programme in clover breeding will have to be fundamentally curtailed, with the consequence that to a large extent much of the work conducted during the last six or seven years will be rendered abortive. Not an economy in any broad view of the case.

Fortunately the Station will be enabled to retain the services of its Secretary. From the point of view of administration this is essential—I should be quite unable to guide the destinies of the Station in any fruitful way without a Secretary, and of the services Mr. Parry-Williams in that capacity has rendered the Station it would be impossible to speak in too high terms.

In March 1931 the Empire Marketing Board made a grant to the Station which enabled us to appoint Mr. William Davies, Empire Grassland Investigator, and to appoint Mr. T. Emlyn Jones on the staff of the

Station as a substitute for Mr. Davies. This grant has been discontinued, with the result that Mr. Davies will revert to his former position, and that we lose the services of Mr. T. Emlyn Jones, who has been on the staff since May 1928, and who has done invaluable work for us in connection with our general researches on grassland. I am happy to be able to report that Mr. Jones has taken up an important position with Messrs. Imperial Chemical Industries, Ltd. At the time nothing pleased me more than the appointment of an Empire Grassland Investigator. Here was a new experiment, a man on the staff of a Research Institution appointed to travel the grasslands of the Empire and to co-operate on the spot with the research workers overseas. A real and close liaison and a definite cohesion was assured and not merely a loose co-ordination. Mr. Davies more than fulfilled my expectations, and the two years he spent in New Zealand, and the one year in Australia, were highly fruitful in good results and amply justified what was assuredly a most interesting experiment in a method of dealing with problems common to the whole Empire. It had been hoped that the Dominions and Crown Colonies would have found the money to have made it possible to have completed the tour of the Empire and to have brought the Experiment to a triumphant conclusion. Such has not been the case, and of all the curtailments in the work of the Station that have resulted from the termination of the activities of the Empire Marketing Board, this perhaps is the most to be regretted, and the more so since (because of the activities of the Station in the Imperial sphere) Aberystwyth had been selected as the centre for the Imperial Bureau concerned with grassland research.

It has seemed important at this juncture to remind the College Authorities how much the Station has owed to the Empire Marketing Board, and it must not be forgotten that the Board also provided a capital sum of £4,350. to which has been almost entirely due the excellent and absolutely necessary range of glasshouses of which the Station was able to possess itself, just when they were most urgently needed.

The question for the College Authorities, and for all those in Wales who have the interests of the Station at heart, is, whether any action can be taken with a view to endeavouring to raise a fund to ensure that the particular aspects of the work, which were rendered possible because of the foresight of those responsible for administering the Empire Marketing Fund, may be prevented, even at the eleventh hour, from suffering to the extent that now seems inevitable.

In so far as the work in progress during the current session is concerned, it will be realized that the period has been devastatingly unsettling for the staff. All knew that curtailments were inevitable—none knew how far these curtailments would penetrate. It is with a feeling of pride therefore, that I can state that the morale of the staff—I say nothing about that of the Director—has suffered not at all. All, including those whose posts were so soon to terminate, have worked with their usual and unflinching zeal and enthusiasm, with the result that all that is humanly possible has been done to round off to the best advantage such researches as must necessarily be brought to a conclusion, and in the way of so systematizing the data from unfinished investigations that as little as possible may be lost, and that a continuance will be rendered easy without any serious break in continuity if and when the financial circumstances of the Station are again brought into closer harmony with the policy and research programme which has been laboriously evolved during the fifteen years that have elapsed since, in 1919 as the result of the foresight and generosity of Sir Laurence Phillips, Bart., the Station was founded. In this connection it is pertinent to emphasize the fact that research must be either progressive, or it must decline—there can be no middle course. Year by year the activities of the Station had steadily increased, and in the interests alike of the College and of the grasslands of the country, to

say the least of it, it will be unfortunate if the status to which the Station has attained cannot be maintained and the scope of the work consolidated on the basis of its present standards.

#### *The Cahn Hill Improvement Scheme.*

The position is somewhat incongruous. On the one hand the activities of the Plant Breeding Station itself are being curtailed, on the other hand in the Cahn Hill Improvement Scheme a very important development is unfolding itself. This is not an easy position, nor is it an entirely satisfactory one. The final success of the hill improvement work in the last resort must depend upon the researches of the Plant Breeding Station. All the evidence that has led up to the possibility of improving the hill grazings has been obtained from the earlier trials conducted by the Station, and the plant breeder has a very important part still to play in this connection. The Cahn Hill Improvement Scheme, and the Plant Breeding Station, therefore, to a very large extent must stand or fall together—prosper or dwindle together.

For the moment all that is necessary to say is that the Cahn Hill Improvement Scheme is well and truly launched. Possession has been taken of all the lands—about 3,000 acres. The nucleus of a pedigree herd of Welsh Black Cattle has been established, and steps are in progress to improve the sheep stock and to breed a useful stamp of Welsh Cob.

All the negotiations have been practically completed with the Hafod Estate and with our neighbours, and a great deal of fencing has been erected. A number of improvements and alterations have been effected at the headquarters farm.

About 200 acres of land have already been taken in hand, all of which have been sown out. The drought of last year, followed by the low rainfall of the past months, has been a severe handicap and a serious matter. On the whole, however, the degree of success attained to has been greater than was perhaps to be expected under the circumstances.

The Scheme is arousing great interest amongst farmers and landowners. Large parties of farmers from Wiltshire and Merionethshire have visited the lands and almost every week we have a number of individual visitors to deal with. Indeed visitors are already becoming a heavy tax on the time of Mr. Moses Griffith.

The Scheme continues to receive valuable help from the Trade interests concerned. We are under a very real debt of gratitude to Messrs. Imperial Chemical Industries, Ltd., for supplying large quantities of their fertilizers free of charge. We have been given generous reductions by Messrs. British Basic Slag, Ltd., and Messrs. The Penderyn Limestone Quarries (Hirwaun), Ltd., while Messrs. The United Potash Co., Ltd. have put supplies of their product at our disposal for experiments free of charge. Messrs. Carters of Raynes Park, London, and Messrs. Gartons of Warrington have generously presented us with considerable parcels of seeds.

Messrs. The Ford Motor Company, Ltd., Dagenham, Essex, have let us have a Fordson Tractor with low-pressure rubber tyres on loan, and this is proving invaluable for road haulage.

In conclusion, I wish to place on record my high sense of appreciation of the hard work, enterprize and resourcefulness of Mr. Moses Griffith, the Lands Director, who has been directly responsible for all the arrangements and for all the activities in connection with the Scheme. The fifteen months that have elapsed since the Scheme was put into operation have been a very strenuous time, and Mr. Griffith has been ungrudging and untiring in his efforts. He has been ably supported by Mr. P. M. J. Hutton (who a few months ago took over the duties of Costings Clerk from Mr. J. R. Owen), and by the farm staff, every member of which takes a keen personal interest in all that is being attempted.

Finally, I have again to thank Professor Ashby and Mr. Pryse Howell for their invaluable co-operation in connection with the costings accounts, and to Mr. Parry-Williams I am personally indebted for assistance in innumerable important directions.

## **IMPERIAL BUREAU OF PLANT GENETICS : HERBAGE PLANTS.**

DIRECTOR : PROFESSOR R. G. STAPLEDON.

CHIEF OFFICER : DR. R. O. WHYTE.

The work of the Bureau continues to be of the utmost service to the scientific staff of the Plant Breeding Station. The publications from the Bureau maintain their high standard of excellence, and there is no doubt that the service is of great value to workers in all parts of the Empire. Dr. Whyte has been very successful in obtaining the assistance of Continental workers, and, largely because of the thorough way in which the Continental literature is dealt with, the service afforded by the Bureau is appreciated as much by foreign countries as it is by our own overseas workers.

I am under a considerable obligation to Dr. Whyte for his highly efficient organisation of the Bureau, and my thanks are also in no small measure due to Miss Roseveare, to Miss Hall, and the other members of the staff.

## **VETERINARY HYGIENE.**

MR. A. PARRY.

*No. of Students :—*

Short Course	.....	.....	.....	13
Continuation Course	.....	.....	.....	5
1st Year Diploma in Dairying	.....	.....	.....	11
1st " " " Agriculture	.....	.....	.....	2

Lectures were given on the following : the anatomy and physiology of the domestic animals and the common ailments affecting farm animals together with methods of prevention and treatment. The importance of hygiene in the prevention of disease was also treated.

The scheduled diseases of animals were fully described and the diseases affecting dairy cows with special reference to those diseases affecting the mammary gland, or affecting the milk, were also dealt with. Instruction was also given in methods of control adopted in farm animals in health and for treatment, also the method of ageing these.

## **LAND SURVEYING AND FARM BUILDING CONSTRUCTION.**

MR. G. T. BASSETT.

The Class was attended by seven men. Five of them made good progress and did well in the Easter examinations.

## **DAIRY BACTERIOLOGY.**

MR. S. B. THOMAS.

The number of students taking the courses in Dairy Bacteriology during the session was as follows :—

Diploma in Dairying : 1st Year	.....	.....	.....	16
Diploma in Dairying : 2nd Year	.....	.....	.....	6
Short Course in Dairying	.....	.....	.....	23
Short Course in Agriculture	.....	.....	.....	13



*Diploma Courses.*

One of the second year students—Mr. John Lewis and two of the first year students, Miss Annie Harries and Miss Muriel F. R. Davies, have shown particular promise especially in their practical work.

The additional laboratory and lecture room accommodation provided during the session has already been of considerable service. The proper organization of a students' laboratory will now be possible. It may take at least ten years to obtain the necessary equipment to bring this laboratory to a really efficient working condition. It is hoped that the College Authorities will not expect all the equipment to be supplied by the Advisory Department.

*Appointments.*

Seven past students obtained appointments during the course of the session as Dairy Bacteriologists with Dairy Companies.

Twenty such appointments have been obtained during the past four sessions. Six of these students are now in charge of laboratories which carry out responsible work for dairy firms of international repute.

*Routine Advisory Work.*

A slight increase in routine work has been shown every year since the commencement of Advisory work in 1925. This year, however, due to the reorganisation that is taking place in the Dairy Industry, there has been an abnormal increase. It is anticipated that the Accredited Scheme which will probably be organized by the Milk Marketing Board during next October, will still lead to a further extension of this section of the work.

*Extra-mural Work.*

Lectures have been delivered to classes conducted by Agricultural Organisers in Monmouthshire, Pembrokeshire and Cardiganshire.

*Research.*

Due to the pressure of routine advisory work, there has been very little opportunity for carrying out investigational work this year.

The results of the comparison of two types of agar media as a means of estimating the bacterial flora of milk is in the press. Work in connection with the prevalence of thermophilic organisms in raw market milk was carried out during the winter months.

Physiological aspects of the growth of some of these organisms at 55°C are being studied.

The investigations reported last year as being carried out in conjunction with the Dairy Department have been continued.

**DAIRYING.**

MR. G. T. MORGAN.

The number of students taking courses in dairying was as follows :—

1st Year Dairy Diploma	....	....	....	11
2nd Year Dairy Diploma	....	....	....	4
Agricultural students taking Dairying	....	....	....	7
Special course in Practical Dairying	....	....	....	2
Six Weeks' Course in Practical Dairying	....	....	....	23

The second year class was a small one and with the exception of one student, the quality of the work was of a low standard. Amongst the first year class there are a number of promising students and these should give a good account of themselves next session.

The demand by commercial firms for suitably trained dairy workers continues to exceed the supply and it is gratifying to report that all old students who have completed their courses in a satisfactory manner have found suitable employment. With the developments which are taking place in the industry this demand is likely to continue.

Through the courtesy of a number of commercial firms, the majority of first year students spend part of the long vacation doing practical work in cheese and butter factories and milk depots. In this connection, the thanks of the department are due to the following, who for a number of years past have kindly taken our students for experience in commercial dairy work :—

Mutual Dairies Limited, Carmarthen and Llandilo.  
 The Farmers' Milk Depot, Limited, Four Crosses.  
 Ruyton Co-operative Society.  
 Tivyside Creameries, Limited, Llandyssul.  
 Clynderwen and District Farmers' Association, Ltd.

The experience gained with these firms is of great value and must be regarded as an essential part of the training of dairy students.

As in previous reports, I must once again draw attention to the unsatisfactory conditions under which the teaching work in practical dairying is conducted.

Miss Nona M. Jones was appointed temporary Assistant Instructress for the summer months and I wish to express my thanks to her for her loyal co-operation in the management of the dairy.

### AGRICULTURAL BOOK-KEEPING.

MR. E. B. HICKS, A.S.A.A.

The following students pursued the course during the session :—

<i>Junior Section :</i>	<i>No. of Students.</i>
Short Course .....	13
First Year Diploma in Dairying .....	11
First Year Diploma in Agriculture .....	2
 <i>Senior Section :</i>	
Dairy Diploma .....	4
Agriculture Diploma .....	11

I have to record the following recent examination successes :—

Four students passed in Book-keeping at the National Diploma in Agriculture examinations at Leeds in April, 1934.

One student passed in Book-keeping at the National Diploma in Dairying examinations at Reading in September, 1933.

The section dealing with the interpretation of Farm Accounts, including Principles and Methods of Valuation, Tenant Right Valuation, Farm Costings, etc., was undertaken by Mr. W. H. Jones, M.Sc.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF,  
SESSION 1933-34.**

*Latin.*

PROFESSOR E. J. WOOD.

Critical textual review of two editions of Cicero's Letters, and other reviews. *Classical Review*, 1933.

MR. P. K. BAILLIE REYNOLDS.

The Sixth Report on the Excavation at Caerhun.

MR. A. M. DUFF.

Reviews of four works on Catullus and of "The Roman Way."  
*Classical Review*, 1933.

*English.*

MR. J. EARNSHAW.

Selections from Keats (Methuen).

*Welsh.*

MR. D. GWENALLT JONES.

*Yr Areithiau Pros* (Welsh University Press).

*Rhethreg yn Ysgolion y Beirdd* (Y Llenor).

*Welsh Literature.*

PROFESSOR T. GWYNN JONES.

*Caniadau* (third volume of the Series of collected works), Wrexham, 1934.

*Prudentius* (a study of the Hymns of Prudentius, with translations. *Yr Eurgrawn*, May, 1934).

*Y Dirni Cyntefig* (a study, with translation of passages from the "Völuspá," of the character and influence of primitive realism in Scandinavian poetry. *Yr Efrdydd*, May, 1934).

*French.*

MISS E. MARGARET PHILLIPS.

Philarète Chasles critique et historien de la littérature anglaise, Paris, Droz, 1933, pp. 309 (a thesis presented for the degree of Docteur de l'Université de Paris).

*German.*

MR. DAVID EVANS.

Y Wlad, ei bywyd, ei haddysg a'i chrefydd. Second edition. (Hugh Evans & Sons, Liverpool).

Tlodi a chyfoeth: *Yr Arweinydd Newydd*, 1933-4. 8 pages.

Iaith a Gwareiddiad. *Efrdydd*, Awst, 1933. tud. 295-299.

Diarfogiad a Thaliadau'r Almaen. *Efrdydd*, Chwefror, 1934, tud. 115-123.

Paratoad Cyffredinol at Ryfel. *Efrdydd*. Mehefin, 1934, tud. 230-237.

*History.*

PROFESSOR R. F. TREHARNE.

Articles on Medieval English History, (letters L-P.) in the *Enciclopedia Italiana*.

Reviews.

Section on rulers of England, 1066—1307, for the International Chronology of European History to be published by the International Congress of Historical Studies,

*Philosophy.*

PROFESSOR R. I. AARON.

*Transactions of the Aristotelian Society. Supplementary volume xiii*, 1933-4, pp. 203-217. Opening paper in a symposium entitled *Is there an element of immediacy in knowledge?*

*Education.*

MR. A. PINSENT.

"Influence of pre-College teaching experience on teaching success in University Students." *British Journal of Educational Psychology*, June and November, 1933.

DR. GWENAN JONES.

"Gwersi ar Marc"—Y Cyfarwyddwr, 1934. Lessons for Anglicised Welsh Sunday Schools and other Welsh Classes.

"Addysg y Llangiau Diwaith"—Yr Efydydd, September, 1933, and other articles in Yr Efydydd.

DR. GEORGE H. GREEN.

Education for Intercultural Understanding (Published by the New Education Fellowship in their Education To-morrow series)

Two articles included in:—

The teaching of Geography in Relation to the World Community (Published for the Advisory Education Committee of the Welsh National Council of the League of Nations Union—edited by Frederic Evans, M.B.E., M.A.)—The two articles are entitled:—

"Racial Prejudices amongst School Children."

"The Film and Geography Teaching."

Article contributed to "Film Progress" (June, 1934) entitled:—  
"Films and Teachers."

Article contributed to Schoolmaster (June, 1934):—  
"Making an AI Nation."

Three articles contributed to the Educational Handwork Association's Journal, dealing with Psychology and Handwork.

The script of the Aberystwyth Historical Pageant.

Article on "Wales" contributed to "The World we Live in" (Waverley Book Company, London).

Article dealing with Edgar Allan Poe's story "Hop-Frog" and its indebtedness to Thomas Johnes' translation of Froissart's "Chronicles" (Aberystwyth Studies—in the press).

*Pure Mathematics.*

PROFESSOR V. C. MORTON.

Planes, points and surfaces associated with a Cubic Surface. (Proc. London Math. Soc., Ser. 2, Vol. 37, Part 3).

A. L. Dixon and V. C. Morton.

MR. W. G. L. SUTTON.

A boundary-value problem for Harmonic Functions. (Proc. London Math. Soc., Ser. 2, Vol. 36, Part 7).

The asymptotic expansion of a function whose operational equivalent is known. (Journal London Math. Soc., Vol. 9, Part 2.)

*Applied Mathematics.*

MR. T. E. GARSTANG.

"The Flow of Viscous Liquids Past Spinning Bodies." Proceedings of the Royal Society, A Vol. 142, 1933.

*Physics.*

PROFESSOR GWILYM OWEN.

"Cewri Anianeg."

Archimedes, Copernicus, Galileo a Newton.

Yr Efydydd. October, 1933 to April, 1934.

MR. R. M. DAVIES.

1. "On the determination of some of the elastic contents of Rochelle Salt by a dynamical method." Phil. Mag. 1933.

2. "A simple Frequency Bridge." Journ. of Scientific Instruments. Sept., 1933.

*Chemistry.*

MR. H. V. W. ROBINSON and PROFESSOR T. CAMPBELL JAMES.

The relationship between the three forms of ciscinnamic acid. Journal Chemical Society, 1933.

MESSRS. C. R. BURY and R. REDD.

The system sodium carbonate—calcium carbonate—water. *Journal Chemical Society*, 1933.

MESSRS. C. R. BURY and H. O. JENKINS.

The Freezing Point of some Benzene Solutions. *Journal Chemical Society*, 1934.

#### Zoology.

DR. F. GWENDOLEN REES.

*Cercaria patella*, Lebour 1911, and its effects on the Digestive Glands and Gonads of *Patella vulgata*. *Proc. Zoological Society, London*. Part I. April 5th, 1934.

MR. J. R. W. JENKINS.

Potato Eelworm Disease. *Welsh Journal of Agriculture*. Vol. X. 1934.

#### Botany.

MR. E. H. CHATER.

Changes in the Coast Line at Rye. (In the Press).

#### Geology.

PROFESSOR H. P. LEWIS.

The Genus *Constellaria* Dana in Britain. *Annals and Magazine of Natural History*, vol. xii, pp. 591-5, 1933.

The Occurrence of Fossiliferous Pebbles of Salopian Age in the Peel Sandstones (Isle of Man). *Summary of Progress of the Geological Survey of Great Britain for 1933*, Part II, pp. 91-108, pls. vi-viii, 1934.

MR. J. CHALLINOR.

The 'Throw' of a Fault, with illustrations from the Aberystwyth Grits. *Geological Magazine*, pp. 385-393, 1933.

MR. J. I. PLATT.

The Petrology of the Warren House Series, Malvern. *Geological Magazine*, vol. lxx, pp. 423-429, 1933.

MR. J. I. PLATT with DR. K. A. DAVIES.

The conglomerates and Grits of the Bala and Valentian Rocks of the District between Rhayader and Llansawel. *Quarterly Journal of the Geological Society*, vol. lxxxix, pp. 202-220, pl. xix, 1934.

#### Geography and Anthropology.

PROFESSOR C. D. FORDE.

Excavations on Pen Dinas Hill Fort, Aberystwyth, Cardiganshire. *Bulletin of the Board of Celtic Studies*, 7, 1933, 77-81.

First season's work on Pen Dinas Hill Fort, Cardiganshire. *Antiquaries Journal*, 14, 1934, 57-9.

Habitat, Economy and Society, A Geographical Introduction to Ethnology, xiv + 500 pp. with 105 maps and illustrations, Methuen & Co., Ltd., 1934.

MR. W. E. WHITEHOUSE.

Articles on counties and towns in the British Isles under letters N, O, P, R, for Enciclopedia Italiana.

MR. E. G. BOWEN.

The rural settlements of Central Wales. *Comptes Rendus du Congrès International de Géographie*, Tome III, 205-213, Paris, 1931.

Carmarthen Town Plan—A Geographical Interpretation. *Trans. Carm. Ant. Society*, 25, 1934, Part LIX.

The Travels of St. Samson of Dol. *Aberystwyth Studies*, Vol. 13.

MR. W. FOGG.

Morocco: the basin of the 'amnis magnificus.' A study in physiography. *Journal of the African Society*, 33, 1934.

Wazzan: a holy city of Morocco. *Aberystwyth Studies*, Vol. 13.

*Agricultural Botany.*

Miss K. SAMPSON.

The systemic infection of grasses by *Epichloe typhina* (Pers.)  
*The Trans. Brit. Myc. Soc.* XVIII. 30-47. 1933.

Mr. D. WALTERS DAVIES.

Control of American Gooseberry mildew. *Brecon and Radnor  
 Quarterly Gazette.* I. No. 4. Jan. 1934.

Miss A. A. POULTER.

The use of a culture inoculant for clover. *Welsh Journ. Agric.* X.  
 235-37. 1934.

*Agricultural Chemistry.*

PROFESSOR T. W. FAGAN and Mr. W. E. J. MILTON.

"The effect of Manures at different altitudes on the nitrogen and  
 mineral content of grass and clover species."

PROFESSOR T. W. FAGAN and Mr. R. O. DAVIES.

"The recovery of Nitrogen in pastures from the application of  
 nitrogenous manures."

Both papers are published in the *Welsh Journal of Agriculture*,  
 Vol. X. 1934.

*Agricultural Economics.*

PROFESSOR A. W. ASHBY.

Efficiency in Dairying and Some Economic Results. *Journal of  
 the British Dairy Farmers' Association.* Vol. XLVI. Reprinted.  
 Planning Welsh Agriculture—Some Basic Considerations. *Welsh  
 Housing and Development Year Book*, 1934. Reprinted.  
 Producer-Retailers' Guide to the Milk Marketing Scheme. Re-  
 printed from *The Milk Trade Gazette*, January 6th, 1934.

Mr. J. LLEFELYS DAVIES.

The Dairy of a Cardiganshire Farmer, 1870-1900. *Welsh Journal  
 of Agriculture*, Vol. X. 1934.

Mr. J. GLYNNE WILLIAMS and Miss DOROTHY DAVIES.

Agricultural Co-operative Societies in Wales—A Review of Three  
 Years' Trading in Farm Requirements, 1930-31-32 *Welsh Journal  
 of Agriculture*, Vol. X. 1934.

Marketing Schemes and Tenant Right. *Journal of the Chartered  
 Surveyors' Institution.* Vol. XIII. (December, 1933.)

Messrs. W. H. JONES and W. J. COWIE.

The Consumption of Milk in Cardiff. *Welsh Journal of Agri-  
 culture*, Vol. X. 1934.

Retailing of Milk by Producers in the Cardiff Area. *Welsh  
 Journal of Agriculture.* Vol. X. 1934.

Report of Conference on Development of Agricultural Co-operative  
 Business (Mimeographed). May 1933. Published by the  
 Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents.*

- The Farmer and the Consumer—Mr. J. F. Duncan.  
 Stabilising the Potato Industry of Great Britain—Captain J. Mollett.  
 The Position of Butter and Cheesemakers in Relation to the Proposed Scheme for Regulating the Marketing of Milk—Professor A. W. Ashby.  
 Taxation of Co-operative Societies—Mr. J. Glynne Williams.  
 Report of Conference on Development of Agricultural Co-operative Business (Mimeographed). October, 1933. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents.*

- Co-operative Wool Marketing—Mr. W. Fergusson.  
 Review and Forecast of the Trade in Feedstuffs—Professor A. W. Ashby.  
 Farmers' Production Policies under the Marketing Schemes (Pigs and Milk). Mr. J. Glynne Williams.  
*Appendix*: Expenditure on Feedstuffs and Fertilisers, 1929-32.

*Welsh Plant Breeding Station.*

July, 1932, to June, 1933.

PROFESSOR R. G. STAPLEDON.

Climate and the improvement of hill land. *Geography*. Vol. 18. No. 99. pp. 17-25. March, 1933.

PROFESSOR R. G. STAPLEDON and Mr. W. E. J. MILTON.

Yield, palatability and other studies on strains of various grass species. *Welsh Plant Breeding Station Bulletin*, Series H. No. 13. pp. 1-79. October, 1932.

Drs. T. J. JENKIN and B. L. SETHI.

*Phalaris arundinacea*, *Ph. tuberosa*, their F<sub>1</sub> hybrids and hybrid derivatives. *Journ. Genetics*. Vol. 26. No. 1. pp. 1-36. July 1932.

Mr. R. D. WILLIAMS.

White clover trials, 1926-30. *Journ. Min. Agric.* Vol. 39. No. 8. pp. 708-18. Nov. 1932.

Messrs. R. D. WILLIAMS and R. A. SILOW.

Genetics of red clover (*Trifolium pratense* L.) Compatibility I. *Journ. Genet.* Vol. 27. No. 2. pp. 341-62. May, 1933.

Mr. E. T. JONES.

Fatuoids or false wild oats. *Nature*, Vol. 130. No. 3273, p. 132. July 23rd, 1932.

Natural crossing in oats. *Welsh Journ. Agric.* Vol. IX. pp. 115-132. Jan. 1933.

Mr. Wm. DAVIES.

Methods of pasture analysis I. The history of pasture analysis. *Agric. Progress*. Vol. 10. pp. 225-31. 1933.

Methods of pasture analysis. VI. The percentage tiller estimation method. *Ibid.* pp. 242-3. 1933.

Mr. GWILYM EVANS.

Manuring of red clover for seed. *Welsh Journ. Agric.* Vol. IX. pp. 135-141. Jan. 1933.

The influence of Italian rye-grass on barley. *Welsh Journ. Agric.* Vol. IX. pp. 142-145. Jan. 1933.

Messrs. H. G. CHIPPINDALE and W. E. J. MILTON.

Note on the occurrence of buried seeds in the soil. *Journ. Agric. Sci.* XXII. Part III. p. 451. July, 1932.

Mr. LL. IORWERTH JONES.

Variations in the weight of sheep: A note as to procedure. *Welsh Plant Breeding Station Bulletin Series H.* No. 13. pp. 93-4. October, 1932.

Preliminary experiment to test the reaction of sheep (live weight increase) to different species and strains of grasses and clovers and to test the yield and other characters of the species as such. *Ibid.* pp. 95-121. October, 1932.

The effect of varying the period of rest in rotational grazing. *Welsh Journ. Agric.* Vol. IX. pp. 159-170. Jan. 1933.

Mr. T. EMLYN JONES.

The effect of a nurse crop on the establishment and first year yields of various grasses and clovers when sown in pure plots and in mixtures. *Welsh Journ. Agric.* Vol. IX. pp. 176-190. January, 1933.

Sulphate of ammonia compared with nitro-chalk as a nitrogenous fertiliser on an open hill *Molinia* pasture. *Ibid.* pp. 191-195. Jan. 1933.

July, 1933, to June, 1934.

PROFESSOR R. G. STAPLEDON.

An Account of the organisation and work of the Station from its foundation in April, 1919, to July, 1933. July, 1933.

Trials with strains of cocksfoot and observations on the policy of the Station in relation to their distribution and use. *Welsh J. Agric.* X. 211-23. Jan. 1934.

Dr. T. J. JENKIN.

Inter-specific and inter-generic hybrids in herbage grasses. Initial crosses. *J. Genet.* XXVIII. 205-64. Dec. 1933.

Mr. W. DAVIES.

The management and manuring of pasture plants in relation to soil establishment and productivity. *Welsh J. Agric.* X. 142-60. Jan. 1934.

Mr. GWILYM EVANS.

Seed yields of pedigree and commercial grass strains. *Welsh J. Agric.* X. 131-42. Jan. 1934.

Mr. H. G. CHIPPINDALE.

The effect of soaking in water on the "seeds" of *Dactylis glomerata* Linn. *Ann. Bot.* XLVII. No. CLXXXVIII. 1-9. Oct. 1933.

The effect of "Ceresan" on the germination of grass seeds. *Welsh J. Agric.* X. 284-88. Jan. 1934.

The effect of soaking in water on the "seeds" of some Gramineae. *Ann. Appl. Biol.* 21. No. 2. 225-32. May, 1934.

Mr. LL. IORWERTH JONES.

Pasture management and its effect on the sward. *Welsh J. Agric.* X. 246-67. Jan. 1934.

A seeds mixture experiment in Mid-Cardiganshire. *Welsh J. Agric.* X. 267-78. Jan. 1934.



Mr. W. E. J. MILTON.

The palatability of the self-establishing species contributing to different types of grassland. *Empire J. Expt. Agric.* I. No. 4. 347-60. Dec. 1933.

The relative palatability of seeds mixtures and a study of the influence of fertilizers on natural hill pastures. *Empire J. Expt. Agric.* I. No. 5. 51-64. Jan. 1934.

The effect of controlled grazing and manuring on natural hill pastures. *Welsh J. Agric.* X. 196-211. Jan. 1934.

Mr. R. A. SILOW.

A systemic disease of red clover caused by *Botrytis anthophylla*. Bond. *Trans. Brit. Mycol. Soc.* XVIII. Part 3. 239-48. Dec. 1933.

Mr. T. EMLYN JONES.

The influence of manuring on the yield and botanical composition of lowland pastures. A. Under controlled grazing by sheep: B. Under hay conditions. *Welsh J. Agric.* X. 223-35. Jan. 1934.

Messrs. MOSES GRIFFITH and T. EMLYN JONES.

The persistency of various grasses and clovers when sown in pure plots and in mixtures on peat land. *Welsh J. Agric.* X. 238-46. Jan. 1934.

*Imperial Bureau of Plant Genetics: Herbage Plants.*

July, 1932, to June, 1933.

Bulletin No. 8. Recent research on forage crop cultivation, fodder conservation and utilisation at the Animal Breeding Institute. The University, Königsberg, by W. Kirsch. March, 1933.

Bulletin No. 9. Vernalization, or Lyssenko's method for the pre-treatment of seed, by R. O. Whyte and P. S. Hudson. March, 1933.

*Herbage Abstracts.* 1932. Vol. 2. Nos. 3 and 4.

1933. Vol. 3. Nos. 1 and 2.

*Herbage Reviews.* 1933. Vol. I. Nos. 1 and 2.

July, 1933, to June, 1934.

Bulletin No. 10. Grazing. Papers read at the meeting of the British Association for the Advancement of Science at Leicester on September 11th, 1933. September, 1933.

Bulletin No. 11. Technique employed in grassland research in New Zealand. September, 1933.

Bulletin No. 12. Lucerne: its ecological position and distribution in the world. November, 1933.

Bulletin No. 13. Plant breeding in the Soviet Union. November, 1933.

Bulletin No. 14. Grassland research in Australia. February, 1934.

*Herbage Abstracts.* 1933. Vol. 3. Nos. 3 and 4.

1934. Vol. 4. Nos. 1 and 2.

*Herbage Reviews.* 1933. Vol. 1. Nos. 3 and 4.

1934. Vol. 2. Nos. 1 and 2.

*Dairy Bacteriology.*

Mr. S. B. THOMAS.

"The bacteriological examination of raw milk by means of the Milk Agar plate count method."

*Welsh Journ. Agric.* Vol. X., 1934.

# ANNUAL REPORT OF THE COUNCIL TO THE COURT.

## GENERAL.

The Sixty-second Annual Report of the Council deals mainly with events in the College between 1st July, 1933, and 30th June, 1934.

The total number of students, including Short Course students, who passed through the College during the past session was 860.

## STAFF.

The following appointments were made during the session :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. Ifor L. Evans, M.A.	Principal.	
Professor Gwilym Owen, M.A., D.Sc.	Acting-Principal.	
Professor Gwilym Owen, M.A., D.Sc.	Vice-Principal.	
Professor J. W. H. Atkins, M.A.	Vice-Principal.	
Miss D. S. Meyler, M.Sc.	Assistant Lecturer.	Pure and Applied Mathematics.
Mr. D. A. Richards, M.Sc.	Assistant Lecturer.	Physics.
Mr. W. H. Winder, B.A., LL.M.	Assistant Lecturer.	Law.
Mr. Alun Hudson Williams, B.A., M. Litt.	Assistant Lecturer.	Greek and Latin.
Mr. Hubert Davies, A.R.A.M.	Teacher of Violin.	Music.
Mr. W. H. Jones, M.Sc.	Marketing Assistant (Co-operation).	Agricultural Economics.
Mr. E. Ll. Harry, M.Sc.	Special Marketing Assistant.	do.
Mr. Joseph Smith, B.Sc.	Technical Assistant.	do.
Mr. William Ellison, B.Sc.	Temporary Assistant Lecturer.	Agricultural Botany.
Mr. Karl Britton, B.A., A.M.	Temporary Assistant Lecturer.	Philosophy.
Dr. J. R. Erichsen Jones.	do.	Zoology.
Mr. R. L. Gapper, B.Sc., A.R.C.A.	Temporary Assistant Lecturer.	Art and Crafts.
Mr. S. H. F. Johnston, B.A., B.Litt.	Temporary Assistant Lecturer.	History.
Herr Albert Nicol.	Part-time Assistant (for first two terms).	German.
Mr. J. Idris Jones, B.Sc.	Temporary part-time Assistant.	Chemistry.

The following temporary appointments have been renewed for the Session 1934-35 :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. Thomas Jones, B.A.	Temporary Assistant Lecturer.	Welsh.
Miss M. Hubbard, B.Sc.	Demonstrator.	Botany.
Mlle. A. B. Valour.	Part-time Assistant.	French.
Mr. Handel B. Edwards, B.A.	Part-time Assistant.	German.
Miss Gwen Davies.	do.	Art and Crafts.

The following appointments terminated during the Session, 1933-34 :—

Sir Henry Stuart-Jones, M.A., D.Litt., F.B.A.	Principal.	
Professor Gwilym Owen, M.A., D.Sc.	Acting-Principal.	
Emeritus Professor G. A. Schott, B.A., D.Sc., F.R.S.	Vice-Principal.	
Professor J. W. H. Atkins, M.A.	Vice-Principal.	
Professor T. Stanley Roberts, M.A.	Professor.	Colonial History.
Professor Jerome D. Greene, M.A.	Wilson Professor.	International Politics.
Mr. W. G. L. Sutton, M.A.	Lecturer.	Pure and Applied Mathematics.
Dr. Emlyn Stephens.	Assistant Lecturer.	Physics.
Mr. Vyrnwy J. Lewis, B.A., LL.M.	do.	Law.
Mr. P. K. B. Reynolds, M.A.	Lecturer in Ancient History.	Greek and Latin.
Miss Evelyn Cooke.	Teacher of Violin.	Music.
Mr. J. Llefelys Davies, M.Sc.	Marketing Assistant.	Agricultural Economics.
Mr. J. Glynne Williams, B.Sc., M.S.	Marketing Assistant (Co-operation).	do.
Miss A. A. Poulter, B.Sc.	Temporary Assistant Lecturer.	Agricultural Botany.
Mr. Eric S. Budden, M.A.	do.	Philosophy.
Mr. R. A. Silow, M.Sc.	Research Assistant.	Welsh Plant Breeding Station.
Dr. H. Freytag.	Part-time Assistant.	German.
Mr. Francis H. Warren.	Temporary Part-time Teacher of Design.	Art and Crafts.
Mr. Frank Bassett.	Part-time Instructor in Woodwork.	do.
Mr. H. G. Chippindale, M.Sc.	Plant Physiologist.	Welsh Plant Breeding Station.

#### GIFTS.

In addition to many gifts in kind to various Departments, the following donations and subscriptions were received during the year :—

<i>Donor.</i>	<i>Purpose.</i>	<i>Amount.</i>
Sir Julien Cahn.	Welsh Plant Breeding Station Cahn Hill Improvement Scheme	£3000 0 0
Messrs. Imperial Chemical Industries, Ltd.	Welsh Plant Breeding Station	150 0 0
The Dinam Charity	ditto	100 0 0
D. Owen Evans, Esq., M.P.	ditto	100 0 0
J. P. Morgan, Esq.	ditto	50 0 0
J. Davies Bryan, Esq., LL.D.	Robert Bryan Music Scholarship	25 0 0
His Grace the Duke of West- minster, D.S.O.	General	13 6 8
Mrs. Peter Hughes Griffiths	T. E. Ellis Essay Prize	5 0 0
Sundry Persons.	Visitors' Scholarship	46 4 1

## SPECIAL LECTURES.

Public Lectures were delivered during the Session by :—

<i>Lecturer.</i>	<i>Subject.</i>
Professor Gilbert Murray, M.A., LL.D. D.Litt., F.B.A.	"The Cult of Violence" (Inaugural Lecture).
Professor Jerome D. Greene, M.A.	"The American Programme of Recovery" (one lecture).
Professor P. G. H. Boswell, O.B.E., D.Sc., M.Inst. M.M., F.R.S.	"The Geological Setting of Early Man" (five lectures).
Professor Ernest Barker, Litt.D., LL.D.	"The Problem of Liberty in Modern Europe" (five lectures).
Professor Jerome D. Greene, M.A.	"International Conflict and Adjustment" (six lectures).
The Right Hon. Lord Meston, K.C.S.I., LL.D.	"Imperial Trusteeship" (Presidential address of Debates Union).
Dr. W. F. Bruch.	"Capitalism and Socialism in Germany up to 1933" (one lecture).
Professor Edward Bensly, M.A.	"Adventures in Bookland" (one lecture).

## INTERCHANGE OF TEACHERS.

The following lectures were given during the session under the scheme for the interchange of teachers :—

<i>Department.</i>	<i>Lecturer.</i>	<i>Subject.</i>	<i>No. of Lectures.</i>
Botany.	Professor D. Thoday, M.A., Sc.D. (Bangor).	"Xeromorphy."	3
Chemistry.	Professor J. L. Simonsen, D.Sc., F.R.S. (Bangor).	"The Dicyclic Terpenes."	4

## SUMMER SCHOOLS.

The College buildings were utilised for Summer School purposes by the Educational Handwork Association. In addition, the halls of residence were used as a holiday centre by the National Young Life Campaign, the Workers' Educational Association, and the School of Clergy. Accommodation was also provided for a course for Secondary School History Teachers in Wales under the Board of Education.

## TRAVELLING GRANTS.

Grants were made to 62 present students of the College to enable them to visit many parts of Europe for purposes of study and research.

## COURSE OF INSTRUCTION IN LAW.

The Special Course for Articled Clerks at Rhyl was again conducted in co-operation with the authorities of the University College of North Wales, Bangor.

## DEPARTMENT OF AGRICULTURE—SPECIAL GRANT.

The University Council have made a special grant of £250, which sum was hitherto provided out of the Daniel Radcliffe Fund.

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## REPORTS

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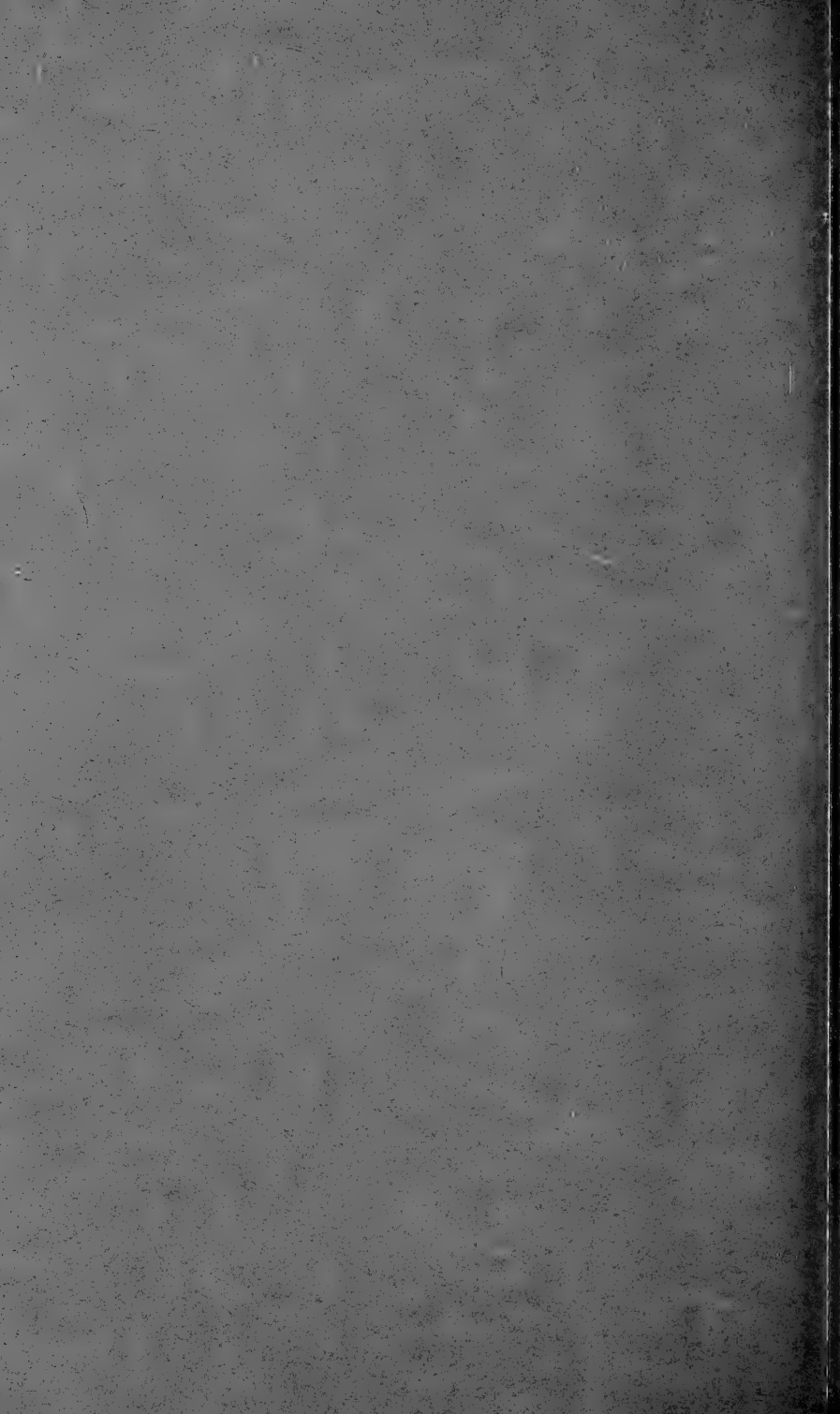
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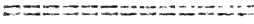
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NOTE.—*These Reports are issued in lieu of the College Calendar for the Sixty-fourth Session, 1935-36.*

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EXTRACT FROM THE LATE MR. W. E. GLADSTONE'S  
SPEECH AT NOTTINGHAM.

*The Times*, of September 28th, 1877.

Let me point to another case with which I am personally acquainted, to show you that wherever primary education is loved, the higher education must be loved and taught also. I speak of the country of Wales, in which I have the happiness to spend a large portion of my time ; and there is no part of the population of the country—and I say it freely and boldly in your hearing—there are few parts which can compete with Wales, and there is no part which can exceed it, from one end of the island to the other, in the earnest, ardent, and, I may say, passionate love for instruction. They are a religious people, and a people deeply enamoured of knowledge, and what they have done has been done with very little assistance. With no assistance at all from any public fund of any kind, they have, within the last five or six years, founded a large and important College at Aberystwyth. Is it possible for you to have a stronger proof that the existence of a love for primary education does lead on, and must lead on, to every great effort for the establishment of higher education ?

## FORM OF BEQUEST.

I give and bequeath to the Treasurers, for the time being, of the University College of Wales, Aberystwyth, the sum of \_\_\_\_\_ (Free of Legacy Duty) for the purposes of the said College, out of such part only of my personal estate as may lawfully be bequeathed for charitable purposes, and preferable to all payments thereout; for which Legacy the receipt of the Treasurers, for the time being, of the said College shall be a sufficient discharge to my Executors.

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## FORM OF BEQUEST OF RESIDUE, OR SHARE OF RESIDUE.

I give and bequeath all (or if so intended one equal share of) the residue of such part of my personal estate as I may lawfully bequeath for charitable purposes unto the Treasurers, for the time being, of the University College of Wales, Aberystwyth, for the purposes of the said College, and I direct that the receipt of such Treasurers shall be a sufficient discharge for the same.



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VICTOR EVANS, M.A. (Oxon); PERCY

GEORGE, M.A. (Cantab.), M.Sc. (Wales);

HORACE GORDON, B.Sc. (Wales); Mrs. FRAN-

CES GRIFFITHS, B.A. (Wales); E. LL. HARRY,

M.Sc. (Wales); A. HAYDN JONES, M.Mus.

(Wales); The Rev. Prof. D. MORRIS JONES,

M.C., M.A., B.D. (Wales); E. D. JONES, B.A.

(Wales); Dr. GWENAN JONES, M.A. (Wales);

IDWAL JONES, B.A. (Wales); I. C. JONES,

M.Sc. (Wales); The Rev. O. H. Jones, M.A.

(Oxon), B.D. (Wales); THOMAS JONES, M.A.

(Wales); T. HUGHES JONES, M.A. (Wales);

W. H. JONES, M.Sc. (Wales); W. R. JONES,

M.A. (Wales); The Rev. WALDO LEWIS,

B.A. (Wales); R. G. LLOYD, B.A. (Wales);

The Rev. HERBERT MORGAN, M.A. (Oxon.);

B.A. (Wales); The Rev. J. DYFNALLT OWEN,

M.A. (Wales); E. JONES PARRY, M.A. (Wales),

Ph.D. (Lond.); The Rev. R. J. PRITCHARD,

M.A. (Wales); R. RICHARDS, B.A. (Cantab.),

M.P.; The Rev. Prof. J. OLIVER STEPHENS,

M.A. (Cantab.), B.A., B.D. (Wales); The Rev.

R. M. THOMAS, B.A. (Wales); J. ELLIS

WILLIAMS, B.A. (Wales); The Rev. Prof. W.

R. WILLIAMS, B.A. (Wales), M.A. (Oxon.).

**Welsh Plant Breeding Station** .....

**County Organisers of Agricultural Education** .....

**Physical Training** .....

**Department of Extra-Mural Studies** .....

**ADMINISTRATION.**

*Chairman of the Faculty of Arts* : Professor R. B. FORRESTER, M.A.,  
M. Com.

*Chairman of the Faculty of Science* : Professor T. W. FAGAN, M.A.

*Registrar* : J. MORGAN JONES, M.A. (Wales).

*Academic Secretary* : G. J. WALKER.

*Secretary Welsh Plant Breeding Station* : J. O. PARRY-WILLIAMS.

*Librarian* : ARTHUR AP GWYNN, M.A. (Wales).

*Senior Warden of the Halls of Residence for Women Students and Warden  
of Alexandra Hall* : Mrs. K. GUTHKELCH, B.A. (Lond.).

*Warden of Carpenter Hall* : Miss C. J. MACGREGOR.



# REPORT.

1934—1935.

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The Council have much pleasure in presenting the Report of the work of the College in its several Departments during the year ending 30th June, 1935, and, as usual, begin with :—

## THE PRINCIPAL'S REPORT.

It is my duty, in the first place, to follow the practice of former years by presenting to the Council the following tabulated statements :—

### I.

1.	Number of students at opening of session, Michaelmas Term, 1935	831
2.	Number of students at the beginning of Michaelmas Term, 1934	822
3.	Number of new students at the beginning of Michaelmas Term, 1935 (119 men; 68 women)	187
4.	Number of new students at the beginning of Michaelmas Term, 1934 (142 men, 74 women)	216
5.	Number of women students at the beginning of Session 1935-1936	253
6.	Number of women students at the beginning of Session 1934-1935	245

II. Number of Students from the various Counties in Wales and from Monmouthshire :—

#### (1) NORTH WALES :—

	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934	Session 1935
Anglesey .. ..	1	1	2	—	2	5
Caernarvonshire ..	22	18	24	21	24	24
Denbighshire .. ..	33	31	32	25	22	21
Flintshire .. .. .	8	6	12	10	11	16
Merioneth .. .. .	27	25	28	30	29	27
Montgomeryshire ..	33	35	42	40	43	48
	—124	—116	—140	—126	—131	—141

## (2) SOUTH WALES AND MONMOUTHSHIRE :—

	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934	Session 1935
Breconshire ..	13	20	23	17	17	21
Cardiganshire ..	109	119	123	130	146	156
Carmarthenshire ..	108	116	132	143	136	127
Glamorgan ..	221	237	248	221	244	239
Pembrokeshire ..	30	30	40	31	28	33
Radnorshire ..	3	5	3	5	4	3
Monmouthshire ..	61	76	77	71	60	55
	—545	—603	—646	—618	—635	—634

## (3) ADD TO THESE :—

	Session 1930	Session 1931	Session 1932	Session 1933	Session 1934	Session 1935
From England, including Welsh and English students ..	50	34	37	50	44	42
From India ..	14	9	10	5	8	11
„ Burma ..	—	2	1	—	1	—
„ Canada ..	1	—	—	—	1	—
„ New Zealand ..	1	—	—	—	—	—
„ Germany ..	—	—	—	2	—	—
„ Scotland ..	—	—	—	—	1	1
„ China ..	—	—	—	—	1	1
„ Fiji ..	—	—	—	—	—	1
	— 66	— 45	— 48	— 57	— 56	— 56
	<u>735</u>	<u>764</u>	<u>834</u>	<u>801</u>	<u>822</u>	<u>831</u>
Students taking Short Course in Agriculture ..	12	14	10	10	21	15
	<u>747</u>	<u>778</u>	<u>844</u>	<u>811</u>	<u>843</u>	<u>846</u>

## III. Summary of the number of students in the various classes for Session 1935-36 :—

Greek, 43. Latin, 100. English, 171. History, 151. Welsh History, 25. Economics, 178. Welsh, 78. Welsh Literature, 11. French, 112. German, 83. Philosophy, 72. Education, 20. Pure Mathematics, 68. Applied Mathematics, 28. Chemistry, 71. Physics, 66. Botany, 82. Zoology, 85. Geology, 87. Geography, 127. Agriculture, 78. Agricultural Chemistry, 70. Agricultural Botany, 57. Agricultural Economics, 11. Law, 77. Music, 137. Dairying, 43. Agricultural Short Course, 15. International Politics, 9. Art and Handicraft (Training Students 40. Diploma 11. Degree 15), 66. Professional Training, 86.

## IV. The number of Students taking complete University Courses is 677. (First Degree, 607, Post Graduate 70).

A.—Grants out of the Travelling Scholarship Fund were made to the following :—

(i) FOR THE EASTER VACATION.

<i>Past Student</i> :—	Megan Pryce Evans .. .. .	£8
<i>Law</i> :—	Dafydd Wyn Jones Williams .. .. .	£8
<i>Agricultural Economics</i> :—	Gerald Percy Wibberley .. .. .	£12

(ii) FOR THE SUMMER VACATION :

<i>English</i> :	Margaret Davies .. .. .	£7
	Muriel Haworth .. .. .	£7
	Phoebe Eleanor Mabel Evans .. .. .	£10
	Alban Dewi Lewis .. .. .	£6
	John Arthur Rogers .. .. .	£11
	Mary Ethel Yalden .. .. .	£5
<i>Welsh</i> :	Winifred Hopkin .. .. .	£5
	Alwina Mair Jones .. .. .	£5
	James Arnold Jones .. .. .	£5
	Elizabeth Megan Rees .. .. .	£5
	Mary Ann Emily Richard .. .. .	£5
	Ieuan Morgan Williams .. .. .	£5
<i>French</i> :	William Glyndwr Harries .. .. .	£11
	Margaret Ann Lewis .. .. .	£11
	John Trevor Pritchard .. .. .	£11
	Joseph Endaf Rees .. .. .	£11
	Elizabeth Margaret Thornber .. .. .	£11
	Jane Ceridwen Williams .. .. .	£11
<i>German</i> :	John Cyril Courtman .. .. .	£13
	Lilian Joan Evans .. .. .	£13
	Eira Skenfield .. .. .	£13
<i>History</i> :	Ronald Davies .. .. .	£7
	Reginald Arthur Williams .. .. .	£7
	Alun Lewis .. .. .	£8
	Cyril Raymond Williams .. .. .	£8
<i>Philosophy</i> :	Peter Ceredig Evans .. .. .	£8
	James Ronald Phillips .. .. .	£8
<i>Economics</i> :	Ewart Lyn Jones .. .. .	£8
	Joseph Benjamin Jones .. .. .	£5
	Morgan Idris Morgan .. .. .	£10
	William Idris Williams .. .. .	£5
<i>Music</i> :	Winston Gwynne John .. .. .	£8
<i>Law</i> :	William Armon Ellis .. .. .	£5
	Trevor Cawdor Thomas .. .. .	£12
<i>Pure Mathematics</i> :	Eric Thomas John Davies .. .. .	£7
<i>Physics</i> :	Iorwerth Hefin Thomas .. .. .	£7
	William John Thomas .. .. .	£7
	Frederick Haydn Vanstone .. .. .	£7
<i>Chemistry</i> :	Richard Augustine Milwyn Bound .. .. .	£7
<i>Zoology</i> :	Morva Bowen .. .. .	£11
	David Howard Evans .. .. .	£11
	Marion Thelma George .. .. .	£11
	Eira Margaret Gwynn .. .. .	£11
	Ellen Jones .. .. .	£11
	Dilys Myfanwy Lewis .. .. .	£11
	William Austin Weale .. .. .	£11

<i>Geography</i> :	Barrie Nicholas Davies	..	..	..	£11
	Brynmor Lewis Davies	..	..	..	£8
	Thomas Albert Davies	..	..	..	£6
	Ernest George Berryman	..	..	..	£8
	Barbara Wannell Clement	..	..	..	£8
	Mavis Kathleen Edwards	..	..	..	£10
	Ronald Thomas Gethin	..	..	..	£8
	Sulwyn Lewis Albert Mons Lewis	..	..	..	£8
	David Thomas Herbert Price	..	..	..	£8
<i>Geology</i> :	Robert Griffith Williams	..	..	..	£7
<i>Botany</i> :	Myra Hopkin	..	..	..	£8
<i>Agriculture</i> :	Roger Probert Davies	..	..	..	£8
	Edward Kenneth Griffiths	..	..	..	£8
<i>Agricultural Chemistry</i> :	Elwyn Idris Price	..	..	..	£8
<i>Agricultural Botany</i> :	Percy Tudor Thomas	..	..	..	£5
<i>Agricultural Economics</i> :	*Saiduddin Swallhay	..	..	..	£8
<i>Physical Training</i> :	John Lewis	..	..	..	£8

\*Awarded for the Easter Vacation, but unable to travel on account of illness.

B.—College Scholarships and Exhibitions were renewed to the following:—

FIRST YEAR, RENEWABLE FOR A SECOND YEAR.

Thomas Vivian Davies.	..	..	..	..	..	£40
<i>David Davies</i>	..	..	..	..	..	£40
Mary Cynthia Jones.	..	..	..	..	..	£25
<i>Price Davies</i>	..	..	..	..	..	£25
George Ronald Richards.	..	..	..	..	..	£25
<i>Price Davies</i>	..	..	..	..	..	£25
Stanley Llewellyn Awbery.	..	..	..	..	..	£20
<i>Commercial Travellers</i>	..	..	..	..	..	£20
Alexander William McAdam.	..	..	..	..	..	£17
<i>Pritchard</i>	..	..	..	..	..	£17
John Hubert Davies.	..	..	..	..	..	£10
<i>Brevelton</i>	..	..	..	..	..	£10
Mary Saunders.	..	..	..	..	..	£20
<i>Sir Alfred Jones</i>	..	..	..	..	..	£20
Eirlys Thomas.	..	..	..	..	..	£20
<i>Sir Alfred Jones</i>	..	..	..	..	..	£20
David John Evans.	..	..	..	..	..	£20
<i>Elizabeth Davies</i>	..	..	..	..	..	£20
Alun Davies.	..	..	..	..	..	£25
<i>Caterham</i>	..	..	..	..	..	£25
Ivor Hughes.	..	..	..	..	..	£20
<i>Humphreys Owen</i>	..	..	..	..	..	£20
Margaret Iola Morgan.	..	..	..	..	..	£10
<i>Perrott</i>	..	..	..	..	..	£10
Gwendoline Davies Parry.	..	..	..	..	..	£25
<i>Robert Bryan</i>	..	..	..	..	..	£25

## SECOND YEAR, RENEWABLE FOR A THIRD YEAR.

Benjamin John Griffiths.	
<i>Commercial Travellers</i> .. .. .	£20
William Idris Williams.	
<i>Pritchard</i> .. .. .	£17
Sulwyn Lewis Albert Mons Lewis.	
<i>Dr. David Thomas</i> .. .. .	£25
Hetty King Davies.	
<i>Sir Alfred Jones</i> .. .. .	£10
Gwenith Margaret Lilian Harley.	
<i>Sir Alfred Jones</i> .. .. .	£10
Eileen Mary Payne.	
<i>Sir Alfred Jones</i> .. .. .	£20
John Ewart Davies.	
<i>Caterham</i> .. .. .	£25
John Cyril Courtman.	
<i>David Jenkins</i> .. .. .	£25
Elizabeth Megan Rees.	
<i>Mynyddog</i> .. .. .	£15
Gwilym Emrys Roberts.	
<i>Mrs. Clarke</i> .. .. .	£45
Ronald Davies.	
<i>Price Davies</i> .. .. .	£25
Elfyn John Richards.	
<i>Price Davies</i> .. .. .	£25

C.—The following Exhibitions and Scholarships have been awarded for Session 1935-1936 on the results of the Entrance Scholarship Examination held in April, 1935:—

## OPEN SCHOLARSHIPS.

<i>David Davies Scholarship</i> (£40).
Eleri Wyn Williams, Portmadoc County School.
<i>Keeling Scholarship</i> (£25).
Royal Clarence Potter, Quaker's Yard Secondary School.
<i>Price Davies Scholarship</i> (£25 each).
Brynmor Thomas, Gowerton County School.
Dilys Olwen Jones, Newtown County School.
<i>Lord Rendel Scholarship</i> (£25).
Annie Maria Rees, Porth Secondary School.
<i>Commercial Travellers Scholarship</i> (£20).
Margaret Kathleen Clayton, Newtown County School.
<i>Pritchard Scholarship</i> (£17).
Dyfnallt Morgan, Cyfarthfa Castle Secondary School.
<i>Mold Eisteddfod Scholarship</i> (£17).
Donald Ramsay Arthur, Amman Valley County School.
<i>Visitors' Scholarships</i> (£25 each for one year).
Howell Pritchard Jones, Denbigh County School.
Teresa Mona Griffiths, Pontypool County School.
<i>Brereton Scholarship</i> (£10).
John Euraf Martin, Fishguard County School.

## CLOSED SCHOLARSHIPS.

<i>Joseph Thomas Scholarship</i> (£50).
*William James Griffiths, Aberystwyth County School.
<i>R. H. Richards Scholarship</i> (£40).
Evan John Evans, Cardigan County School.
<i>David Morgan Thomas of Caterham Scholarships</i> (£25 each).
James Derfel Rees, Cardigan County School.
Emlyn Wynne Evans, Llanelly County School.

\*First in order of merit on list.

- Sir Alfred Jones Scholarship* (£20). (Candidates resident in Wales.)  
Gwen Rees Roberts, Pwllheli County School.
- Sir Alfred Jones Scholarship* (£20). (Candidates resident in Borough of Carmarthen.)  
Rachel Anne Davies, Carmarthen County School.
- Elizabeth Davies (Brynteifi) Scholarship* (£20).  
Charlotte Orpha Nicholas, Gwendraeth Valley Secondary School.
- Ellis Eyton Exhibition* (£10).  
John Simister, Newtown County School.
- Edward Jones Scholarship* (£20 for one year).  
Megan Tibbott, Aberystwyth County School.

D.—University Fellowships and Studentships and College Research Scholarships were awarded as follows for Session 1935-36.

*University Fellowships.*

John Robert Jones.  
Frank Robert Lewis.

*University Studentships.*

Richard Augustine Milwyn Bound.  
John Vaughan Harries.  
Percy Tudor Thomas.  
Mary Jane Reese (for one year).

College Research Scholarships, Exhibitions and Prizes :—

*Sir Garrod Thomas Fellowship* (about £150).

Thomas Tyssul Jones, B.Sc.

*Thomas Davies Scholarship* (£70).

Horace Lloyd Davies, B.Sc.

*Keeling Research Scholarship* (£50).

Betty Joyce Williams, B.Sc.

*John Francis Scholarship* (£40).

David George Pryce, B.Sc.

*Thomas Stephens Scholarship* (£25).

Garnet Rees, B.A.

*Sir John Williams Studentships.*

*2nd Year Award.*

Alwyn David Rees, £100.

*1st Year Awards.*

Oswald Beynon, £75.

Morfudd Morris, £50.

*The Marshall Memorial Exhibition* of £10.

David Lyndhurst Jenkins.

*The Mrs. Frances Williams Art Exhibition* of £14.

Thomas Richard Jones.

*The Sir Henry Jones Memorial Prize* of £4.

Brian Owain Bowdige.

*The Rendel Medal.*

John Arthur Jones.

*The Hon. Lewis Thomas Scholarship* of £35.

(Rendered vacant by the death of Inigo Jones, the previous holder—  
divided equally between Richard Davies and John Mervin Owen  
Williams for one Session only.)

## DEGREE EXAMINATIONS—JUNE 1935.

I.—Intermediate. F.T.—Further Test. S.—Subsidiary. F.—Final.  
H. I.—1st Year Honours. H.—Honours.

The students whose names are printed in *italics* have completed their examinations for graduation.

## ARTS.

Adlen, Haydn Charles	S. Economics, S. English, S. Geography.
Adler, Gershon Abraham Aaron	F. English, S. Economics.
Ahmad, Aziz	I. and F.T. Philosophy, S. Economics, S. French, S. German.
Andrew, Elizabeth Mary	S. Geography, S. History.
<i>Ashton, William</i>	F. Geography, F. History.
<i>Astley, Margaret Rosina May</i>	F. English, F. German.
Awbery, Stanley Llewellyn	I. Latin, I. German, S. Economics, S. History.
<i>Bagnall, Gwendolen Mary</i>	H. French, II (2), and Oral Certificate.
Baird, Dorothy Gwendoline	S. Economics, S. English, S. History.
Barry, John Cuthbert	I. Philosophy.
<i>Beacham, Arthur</i>	H. Economics, I.
<i>Beddoes, John</i>	H. French II (1), and Oral Certificate.
Beech, Eric William George	I. English, I. Geology, S. Economics.
Bennett, David Burrows	F. Economics, S. German.
<i>Beynon, Oswald</i>	H. Economics, I.
Bowdige, Brian Owain	F. French, S. Philosophy, I. History, Elem. Greek.
Bowditch, Gwynie Louisa	Prelim. Latin, S. English, S. French, S. History.
Bowen, Lawrence	F. History, S. Economics, S. Philosophy.
Buckingham, Frederick Lewis	F. Economics, S. Education.
Butler, Noel Robert	Prelim. Latin, S. Economics, S. English.
Cattanach, Alexander Hamilton Avery	I. English, I. Greek, I. History, S. Latin.
<i>Charles, Harold John</i>	H. Welsh, II (1).
Chatterley, Elizabeth Margaret	F. English, F. History.
Clayton, Martha	I. English.
Clement, Mary	I. Latin, I. Philosophy, S. English, S. Welsh.
<i>Collins, Mary Rhiannon</i>	H. Geography, II (1).
Cooke, George Frederic	S. English, S. French, S. History.
Courtman, James Harold	I. History, I. Philosophy, S. French.
Courtman, John Cyril	F. Music.
Cowley, Beryl	F. History, S. English, S. French.
<i>Daniel, Margaret Glenys</i>	H. French, II (2), and Oral Certificate.
David, John Horace	S. History, S. Philosophy.
Davies, Alfred George	I. French, S. Economics, S. Geography, S. History.
<i>Davies, Alun (Penygroes)</i>	H. History, I.
Davies, Alun (Llandeilo)	I. French, I. Latin, S. Economics, S. History.
Davies, Barrie Nicholas	F. Economics, F. Geography.
Davies, Brynmor Lewis	F. Geography, F. History.
Davies, Clarence Melville	F. Geography, S. English, S. History.
Davies, David Prothero	I. English, I. Geology, I. History.
Davies, Dewi Lloyd	I. History, S. English, S. French, S. German.
Davies, Elsie Grace	S. English, S. History.
<i>Davies, Eluned</i>	H. Welsh, I.
Davies, Evan John	I. English, I. History, I. Welsh.

- Davies, Gwynfryn  
 Davies, Hetty King  
 Davies, Jane Helen
- Davies, John (Llanrhystyd)
- Davies, John Ewart  
 Davies, John Hubert  
 Davies, Johnny Dolfryn
- Davies, Kenneth Philip  
 Christopher  
 Davies, Margaret  
*Davies, Morgan Llewellyn*  
 Davies, Myrddin Volander  
*Davies, Rhys Penri*  
 Davies, Richard  
 Davies, Richard James
- Davies, Ronald  
 Davies, Samuel Maelor  
 Davies, Thomas Albert  
 Davies, Thomas Alfred  
 Davies, Thomas Emlyn
- Davies, William Gerwyn
- Davies, William Raymond  
 Davies, William Trevor
- de Lloyd, Mary  
 Edwards, Alford Griffith  
*Edwards, Frances Glenys*  
*Edwards, Harold*  
*Edwards, Jessie Elizabeth Mary*  
 Edwards, Mavis Kathleen  
 Edwards, Thomas Archibald  
 Elias, Sarah Elizabeth  
*Ellis, Gweno Mererid*  
 Evans, Alfred Leslie  
*Evans, Avarina Mary*  
 Evans, Claudia Eleanor
- Evans, David Emlyn  
 Evans, David John (Llanddewi)
- Evans, David John (Whitland)  
 Evans, Dilys Margaret  
 Evans, Elwyn, B.A.  
 Evans, Emlyn  
 Evans, Evan Charles  
 Evans, Evan Daniel Jones  
*Evans, Evan Emrys*  
*Evans, Evan Gwyndaf*  
*Evans, Gruffydd ap Ieuan*  
 Evans, Haydn  
*Evans, Hugh Thomas Ellis*
- Evans, Iorwerth Cynwyd  
 Louvain
- I. Geology, S. Geography, S. History.  
 F. English, F. Geography, S. Economics.  
 I. French, I. Geology, S. Geography,  
 S. Latin.  
 Elem. Greek, I. History, I. Philosophy,  
 I. Welsh.  
 F. History, H.I. English.  
 S. English, S. French, S. History.  
 F. Economics, I. English, I. Music,  
 I. Welsh.  
 S. History.  
 F. History, H.I. English.  
 F. Philosophy, F. Welsh.  
 I. Geology, S. Economics, S. History.  
 H. Welsh, II (2).  
 S. Greek, S. Philosophy, S. Welsh.  
 I. Greek, I. Philosophy, I. Welsh,  
 S. Economics.  
 F. English, F. History  
 I. Music.  
 F. Geography, F. History, S. Economics.  
 S. Economics, S. History.  
 I. French, I. Geology, S. Geography,  
 S. History.  
 Prel. Latin, I. French, S. Economics,  
 S. History.  
 I. French, S. Economics.  
 F. Economics, S. English Law, S. Geo-  
 graphy, S. German.  
 F. History.  
 I. English, I. French, I. History, S. Latin.  
 H. French, II (2).  
 H. Education, I.  
 H. French, II (1) and Oral Certificate.  
 I. Geology, S. Geography, S. History.  
 I. German, S. English, S. French.  
 F. English, F. History, I. French.  
 H. German, II (2).  
 F. Economics, S. Philosophy, S. Welsh.  
 H. English, II (1).  
 I. English, I. French, I. Geology,  
 I. German.  
 I. Geology, S. English, S. Geography.  
 Elem. Greek, S. Economics, S. Philosophy,  
 S. Welsh.  
 S. English, S. Geography, S. History.  
 F. English.  
 H. Economics, I.  
 F. Economics, F. History.  
 S. Economics, S. Geography, S. History.  
 F. Welsh, S. Geography.  
 H. Welsh, III.  
 H. Welsh, II (1).  
 F. Economics, F. English.  
 I. History, I. Latin, S. English, S. Welsh.  
 H. German, I. and Oral Certificate,  
 S. Economics.  
 I. History, S. Economics.



- Evans, John I. English, I. Philosophy, I. Welsh, S. History.
- Evans, John Harries I. History, I. Philosophy, I. Welsh.
- Evans, Kenneth Owen F. English.
- Evans, Lilian Joan F. English, F. French.
- Evans, Melrhodd Mary Towy I. French, I. Geology, S. Economics, S. Geography.
- Evans, Nathaniel* F. Economics, F. Philosophy, S. Education.
- Evans, Peter Ceredig* H. Philosophy, II (1).
- Evans, Phoebe Eleanor Mabel F. History, H.I. English.
- Evans, Ronald I. Art, I. English, I. Geology, S. History.
- Evans, Sarah Eleanor F. English, S. Economics.
- Evans, Thomas Eilir Wynne F. Greek, S. German.
- Evans, William Talbot S. Economics, S. French, S. History.
- Galloway, Douglas Victor F. English, S. Economics, I. Latin.
- Germanacos, Christo Lefterios* H. English, I.
- Gethin, Ronald Thomas F. Geography, F. History, S. Economics.
- Gravelle, Iris Elizabeth Prel. Latin, I. Philosophy, S. English, S. Welsh.
- Green, David John* H. Music, II (1), F. Welsh.
- Green, Ivor Charles* H. French, I, and Oral Certificate.
- Griffiths, Benjamin John F. Geography, F. History, S. Economics.
- Griffiths, Cyril F. Economics, S. Jurisprudence
- Griffiths, David John* H. French, II (2), and Oral Certificate.
- Griffiths, Griffith Milwyn S. History, S. Latin, S. Welsh.
- Griffiths, Laurence Evans* H. English, II. (1).
- Griffiths, Lillian Mary I. English, I. French, I. History, I. Latin.
- Griffiths, Rees Lewis I. Greek, I. Philosophy, I. Welsh, S. History.
- Gronow, John Wigley H. German, I, and Oral Certificate.
- Hamer, Mary Stewart F. Geography, F. History, S. English.
- Hamer, Thomas Elem. Greek, I. English, I. Philosophy, I. Welsh.
- Harley, Gwenith Margaret  
Lilian F. Geography, F. History, S. Economics. S. Economics.
- Harries, David Meirion F. Latin, S. English.
- Harries, William Glyndwr I. Philosophy.
- Harris, Rosser H. English, II (1).
- Haworth, Muriel* F. Geography, S. Economics, S. German.
- Haynes, Evan Edward* I. Philosophy, S. English, S. French, S. Latin.
- Hearson, Florence Cicely Scott I. Geology, S. Geography, S. History.
- Hewitt, Eric Wilson H.I. English.
- Hewlett, Marjorie Joan H. English, II (1).
- Higgins, Dorothy May Brockhurst* H. French, III.
- Hill, David John George* F. Economics, F. Geography.
- Hopkin, Henry Abbott F. Welsh, S. Education, S. English.
- Hopkins, Winifred F. Geography, F. History, S. Economics.
- Howells, Eric Bassett Elem. Greek, S. French, S. Latin, S. Welsh.
- Howells, William Norman F. Economics, F. English, S. History, I. Philosophy.
- Hughes. David Thomas* F. Geography, F. History.
- Hughes, Dilys Prel. Latin, I. English, I. Philosophy, S. Economics, S. History.
- Hughes, Eric Allington H. Welsh, I.
- Hughes, Garfield Hopkin* H. English, II (1).
- Hughes, Gwennllian*

- Hughes, Morfudd Elizabeth  
Dyke  
*Hughes, Robert Eynon*  
Humphreys, Edward Osborne  
Humphreys, John Elwyn  
*Hyde, William James*  
Jackett, James Rowe  
*Jacob, Annie Olwen*  
James, Maldwyn  
*James, Margaret Nest*  
*James, Thos. Llewellyn Emlyn*  
*James, William*  
*James, William John*  
*Jenkins, David*  
Jenkins, David Islwyn  
*Jenkins, David Lyndhurst*  
Jenkins, Derwyn  
Jenkins, John Alban  
Jenkins, Nancy  
Jenkins, William Morgan  
*Job, Gwynne Morgan*  
*John, Henry*  
John, Thomas Gwyn
- John, Winston Gwynne*  
Jones, Albert John  
*Jones, Alwina Mair*  
Jones, Cecil Henry Douglas  
*Jones, Cecilia Phoebe*  
Jones, David  
Jones, David Alwyn  
Jones, David John  
*Jones, David Morgan Price*  
Jones, David Oswald  
Jones, David Rees.  
Jones, Douglas Morgan  
Jones, Edgar
- Jones, Emyr  
*Jones, Evan Emrys*  
*Jones, Ewart Lyn*  
*Jones, George*  
Jones, Gerallt  
Jones, Glyndwr  
Jones, Griffith John
- Jones, Gwen Margaret  
Jones, Gwennlian
- Jones, Gwennlian Parry*  
Jones, Gwyneth Ann  
Jones, Hector George
- Jones, Hilda Elizabeth Gwent  
Jones, Ivor  
Jones, Ivor Gwyn Rees  
Jones, James Arnold  
Jones, John Brynmor  
Jones, John Meirion  
Jones, John Samuel
- Prel. Latin, S. English, S. French,  
S. History.  
H. Geography, II (2).  
F. Economics, F. History, S. Education.  
I. Philosophy, I. Welsh, S. Economics.  
H. Geography, III.  
F. English, F. Latin.  
F. English, F. Welsh.  
F. History, S. Economics, S. Geography.  
H. English, II (1).  
F. Economics, F. English, S. Education.  
I. Music.  
F. Music, F. Philosophy.  
F. English, F. History, Prel. Latin.  
I. English, I. Welsh, S. Economics.  
H. Latin, I.  
F. Economics, F. Geography.  
S. Music.  
F. English, S. Greek.  
S. English, S. Latin, S. Welsh.  
F. History, F. Welsh.  
F. History, S. Education, S. Philosophy.  
I. German, S. Economics, S. French,  
S. History.  
H. Music, I.  
F. Welsh, S. History, S. Philosophy.  
F. English.  
F. Philosophy, S. Economics, S. Greek.  
F. Welsh.  
S. Economics, S. English, S. Welsh.  
F. Economics, S. Geography, S. History.  
I. English, I. Philosophy.  
H. Geography, II (1).  
F. Welsh.  
S. Philosophy, S. Welsh.  
S. Economics, S. English, S. History.  
I. English, I. Philosophy, I. Pure Math-  
ematics.  
S. Geography, S. Music, S. Welsh.  
F. Philosophy, F. Welsh.  
H. Economics, III.  
H. English, II (1).  
Elem. Greek, S. Philosophy, S. Welsh.  
I. Greek.  
I. Greek, S. English, S. Latin,  
S. Philosophy.  
I. French, I. Philosophy.  
I. English, I. History, I. Philosophy,  
I. Welsh.  
H. French, I., and Oral Certificate.  
I. English, I. French, I. History, I. Latin.  
I. German, S. Economics, S. Geography,  
S. History.  
S. History, S. Philosophy.  
I. Philosophy.  
S. Economics.  
F. Welsh, S. Latin.  
S. Economics.  
F. Geography, F. History, S. Economics.  
F. Economics, S. Philosophy, S. Welsh.

Jones, Margaret Lucretia	Prel. Latin, I. Welsh, S. English, S. History.
Jones, Mary Cynthia	I. Latin, S. English, S. French.
Jones, Mary Dilys	S. English, S. Welsh.
Jones, Mary Gwen	F. Welsh Literature, H.I. English, S. German.
Jones, Mary Marion	I. French, S. English, S. History, S. Latin.
Jones, Mary Rees	S. Music.
<i>Jones, Nonn Huws</i>	F. German, S. Economics, S. Geography.
Jones, Richard Cynlais	S. Economics, S. Geography, S. History.
<i>Jones, Robert Nelson</i>	H. History, II (2).
Jones, Robert Owen, B.A.	H. French, II (2).
<i>Jones, Robert William Hugh</i>	F. History, F. Philosophy, S. Education.
Jones, Samuel Kenneth	F. Economics, F. Geography.
Jones, Sarah Elinor	I. English, I. Latin, I. Music, I. Welsh.
Jones, Tudno	I. German, I. Welsh.
Jones, William Howel, B.A.	H. Economics, II (2).
Jones, William John	F. Welsh.
<i>Leeding, Olive</i>	H. Geography, II (1).
<i>Lewis, Alban Dewi</i>	H. English, I.
<i>Lewis, Alun</i>	H. History, I.
<i>Lewis, Alun Thomas</i>	F. Geography, F. Welsh.
<i>Lewis, Betty May</i>	H. Latin, II (2), S. Greek.
Lewis, David Gwynfor, B.A.	H. English, II (2).
<i>Lewis, David Lloyd</i>	H. Economics, III.
<i>Lewis, Elsie Maud</i>	F. English, F. History.
Lewis, Gilbert	I. English, I. Music, I. Welsh.
Lewis, John	F. Economics.
Lewis, Margaret Ann	F. English, F. French.
Lewis, Olga	I. Philosophy, S. English, S. French, S. Latin.
Lewis, Sarah Elizabeth	I. English, I. French, I. Latin, S. His- tory.
Lewis, Thomas Dorian	Elem. Greek, I. French, S. English, S. Latin.
Lewis, Tom Ewart	F. Philosophy.
<i>Lewis, Trevor</i>	H. History, II (1).
Lewis, William Ewart	F. English, F. Geography.
Lewis, Willie Bowen	F. Economics, F. History, S. English.
<i>Llewellyn, Arianwen Rowena</i>	H. German, II (1).
Long, Morfydd Lewis	I. English, I. French, I. History, I. Philosophy.
Loveluck, William Rees	I. English, S. French, S. German, S. Latin.
Maddox, Zillah Elonwy	I. English, I. History.
Marks, David Frederick	Elem. Greek, I. and F.T. Philosophy, S. French, S. History, S. Welsh.
<i>Martin, Daisy</i>	H. Education, III.
Mathias, George Meidrym	I. English, I. Geology, I. History, I. Welsh.
Mead, John Frederick	F. French, F. Geography, F. History.
Meredith, Stanley Noel, B.A.	S. Economics.
Meredith, William Maskell	H.I. English, S. Latin.
<i>Morgan, Ena Marjorie Unwin</i>	F. English.
Morgan, Herbert Kemeys	F. French, F. History, I. Philosophy.
Morgan, Joan	I. Latin, S. English, S. French, S. German.
Morgan, Mair Eiluned	S. English, S. French, S. History.
Morgan, Margaret Iola	I. German, S. English, S. French, S. Latin.

- Morgan, Margaret Monica  
Elizabeth  
Morgan, Mary Lorraine
- Morgan, Morgan Idris  
*Morgan, Nancy Gwenfan*  
*Morris, John Evans*  
*Morris, Morfudd*  
Morris, Oswald Aneurin  
Morris, William Hill  
Moseley, Cyril  
*Moseley, Margaret Doreen*  
Mullins, Arthur Frederick  
James  
McAdam, Alexander William
- McGrath, George Edgar*  
O'Connor, Eileen Mary
- Oliver, John Rhys  
Owen, Daniel  
Owen, Eirwen Mary  
Owen, Ifor Gwynn
- Parkinson, Muriel Georgina
- Parry, Margaret  
Payne, Eileen Mary  
Perkins, Morgan, B.A.  
Peterham, Winston Randolph  
Phillips, Dilwyn Ieuan  
Phillips, Elgar  
*Phillips, Herbert James*  
*Phillips, James Ronald*  
*Phillips, Nesta Ann*  
Porter, Stephen  
Powell, Rosa Christine  
Pownall, Ronald Blakeborough  
Price, Ann Elonwy Mary  
Price, David Thomas Herbert  
Price, Glenys Mary  
Price, Hubert Lemuel Eric  
*Price, Ruby Myra*  
Pritchard, Ivor
- Pritchard, John Trevor  
*Rees, Annie Elizabeth*  
Rees, Brinley
- Rees, David Morgan  
Rees, Dilys Maud
- Rees, Edith  
*Rees, Elizabeth Anne*  
Rees, Elizabeth Megan  
*Rees, Evan Harries*  
Rees, Evan Isaac
- Rees, Frederick Garfield*  
*Rees, Hannah Arianwen*
- S. German.  
I. French, I. History, S. English,  
S. Latin.  
F. History, F. Welsh.  
H. English, II (2).  
H. German, II (1).  
H. Welsh, II (1).  
I. French, S. English, S. History.  
I. English, I. French, I. History.  
F. French, S. English, S. German.  
F. Economics, F. English, S. History.  
S. Economics, S. English Law.  
I. English, I. and F.T. Philosophy,  
S. Greek, S. Latin.  
H. History, II (1).  
Elem. Greek, I. History, S. English,  
S. Latin.  
I. English, I. Philosophy, S. History.  
F. Geography, F. History.  
F. Economics, F. Geography.  
I. English, I. French, S. German,  
S. History.  
I. Greek, I. Philosophy, S. English,  
S. Latin.  
I. English, I. History, I. Philosophy.  
F. French, I. Greek.  
F. Economics.  
S. Economics, S. Geography, S. German.  
F. Economics, F. Geography, F. History.  
F. Geography, F. Welsh, S. Economics.  
F. Greek, F. Philosophy.  
H. Philosophy, II (2).  
F. Economics, F. Geography, I. History.  
F. History, S. Economics.  
F. English, F. History, S. Economics.  
S. Economics, S. Education, S. History.  
Prel. Latin, S. Art, S. English, S. French.  
F. Economics, F. Geography.  
F. Latin, S. English.  
S. English, S. Geography, S. History.  
F. French, F. German, S. Education.  
Prel. Latin, I. French, S. Economics,  
S. English.  
F. English.  
H. Latin, II (1), S. Greek.  
Elem. Greek, S. English, S. Geography,  
S. Welsh.  
F. Economics, F. History.  
F. German, S. English, S. International  
Law.  
F. French, S. Greek.  
H. English, II (1).  
F. Music, F. Welsh.  
F. Economics.  
I. Latin, S. English, S. French,  
S. History.  
H. Geography, II (2).  
F. Economics, F. Welsh Literature,  
S. English.

- Rees, Henry  
 Rees, Joseph Endaf  
 Rees, Mary Ada Vaughan  
*Rees, William Treharne*  
 Reid, Clement  
 Reilly, Francis John  
 Reynolds, William Denley  
 Richard, Mary Anne Emily  
 Richards, Evelyn Daphne  
 Richards, Lewis Dewi  
 Roberts, Anne  
 Roberts, Ann Rachel Morwen  
*Roberts, Catherine Olwen*  
 Roberts, Raymond Rency  
 Roberts, Rhiannon Silyn  
*Roderick, Dilys*  
*Roderick, Enoch David*  
*Saunders, Oliver Edward*  
 Seaton, Nancy May  
 Sheddick, Vernon George John  
 Short, Ronald Stanley  
 Skenfield, Eira  
 Smith, Dorothy Margaret  
 Snell, Ivor Clements  
*Sudbury, Philip George*  
 Swann, John Basil  
*Templeman, Frank Lewis*  
 Thomas, Arthur Teifion  
 Thomas, Cyril  
 Thomas, David Eyron  
 Thomas, David Glynn, B.A.  
 Thomas, David Reginald  
 Thomas, Eirlys  
*Thomas, Frances Myfanwy*  
 Thomas, Gilbert Hugheston  
 Thomas, John  
*Thomas, John Heber*  
 Thomas, John Rees  
 Thomas, John Wallace  
*Thomas, Mair Elwira*  
 Thomas, Marjorie Priscilla  
 Brice  
 Thomas, Mary Cavell  
 Thomas, Rosser Llyfnwy  
*Thomas, William Ernald*  
 Thomas, William Glyndwr  
 Thornber, Elizabeth Margaret
- F. Economics, S. History, S. Welsh.  
 F. English, F. Latin.  
 I. English, I. German, I. History.  
 H. Economics, II (1).  
 S. Economics, S. Geography, S. History.  
 I. German, S. French, S. Geography,  
 S. History.  
 I. French, I. Geology, I. History,  
 S. Geography.  
 F. English, F. Welsh, S. German.  
 I. Latin, S. Economics, S. English,  
 S. History.  
 Elem. Greek, I. Philosophy, I. Welsh,  
 S. History.  
 F. History, S. English, S. Philosophy.  
 I. French, S. English, S. History.  
 H. Welsh Literature, I., I. English.  
 I. French, S. English, S. Music.  
 I. German, S. English, S. Latin,  
 S. Welsh.  
 H. French, III.  
 F. English, F. Geography.  
 H. French, II (1), and Oral Certificate.  
 I. French, S. English, S. Latin.  
 I. French, I. Geology, S. Geography,  
 S. History.  
 F. French, S. Education, S. English.  
 F. German.  
 I. Geology, I. Pure Mathematics,  
 S. French, S. Geography.  
 Elem. Greek, I. Music,  
 I. and F.T. Philosophy.  
 H. History, II (1).  
 I. Geology, S. Economics, S. French,  
 S. Geography.  
 H. Geography, II (2).  
 I. English, I. History, I. Welsh,  
 S. Economics.  
 I. Latin, I. Philosophy, I. Welsh,  
 S. Greek.  
 F. Economics, F. Geography.  
 F. Economics, S. English, S. Geology.  
 I. English, I. Philosophy.  
 I. German, S. English, S. French,  
 S. Latin.  
 H. Geography, II (2).  
 F. Economics, F. Geography.  
 I. Geology, I. History, I. Welsh,  
 S. Economics.  
 F. Economics, F. French, S. Education.  
 F. English, F. Latin.  
 S. History, S. Philosophy, S. Welsh.  
 H. Welsh, I.  
 I. French, S. English, S. Geography,  
 S. History.  
 I. Greek, S. English, S. Latin, S. Welsh.  
 I. Music, S. English, S. French.  
 H. Welsh, II (2).  
 F. History, F. Welsh, S. Jurisprudence.  
 F. English, I. German.

*Trott, Clive Dilwyn John*  
Turner, Merfyn Lloyd

Tyler, Margaret Valerie  
Wakefield, David Levi

*Walden, Richard Walter*  
*Lawrence*

Walker, John Thomas

Walters, Lynn Thomas  
*Whitley, Florence Cecilia*  
Willetts, Raymond George  
Williams, Catherine Elizabeth  
Williams, Cyril  
*Williams, Cyril Raymond*  
Williams, Emrys Hugh  
Williams, Enid Vaughan  
Williams, Eric Malcolm  
*Williams, Ethel*  
*Williams, George*  
Williams, Ieuan Morgan  
Williams, Jane Ceridwen  
Williams, John Daniel  
Williams, John Mervin Owen  
Williams, Mair Eluned  
Williams, Reginald Arthur  
Williams, William Arwyn  
Williams, William Idris

Winterburn, Ieuan Thomas

*Woodward, Harry Bernard*  
Workman, William  
Wright, Fred Nigel  
*Yalden, Mary Ethel*

*Adams, William Thomas*  
Allen, Albert Thomas, B.Sc.  
Andrews, Leonard Stanley

Bassett, Catherine Gaynor  
Ruth  
Batt, Aubrey Gwynne  
Bennett, George Edward  
Berryman, Ernest George  
Beynon, Alwyn

*Blackledge, Mary*  
Bowen, Ben Twiss

*Bowen, Glyndwr*  
*Bowen, John Brinley*  
*Brewer, Edwin*  
Brown, Ethel Marianne  
Canton, Eileen Marjorie  
*Chatterley, Lucy*  
Crane, Olga Clayton  
*Daniel, Goronwy Hopcyn*

H. Geography, II (1).  
I. English, I. Philosophy, I. Welsh,  
S. History.  
I. Geography, S. Geography, S. History.  
I. French, I. Geography, S. Economics,  
S. Geography.

H. Geography, II (2).  
I. History, I. Philosophy, S. Greek,  
S. Latin.  
F. Welsh.  
H. History, II (2).  
F. Economics, F. Geography, F. History.  
I. English, I. History.  
I. English, I. History, I. Philosophy.  
H. History, II (1).  
S. Greek.  
F. Economics, F. History.  
F. Economics, S. Philosophy.  
H. History, II (1).  
H. Geography, III.  
F. English, F. History, F. Welsh.  
F. English, F. Welsh Literature.  
S. History, S. Philosophy, S. Welsh.  
F. Economics, F. History, S. English.  
I. Welsh, S. English, S. History.  
F. Economics, F. History.  
I. Geography, S. Geography, S. History.  
F. Economics, F. History, F. Welsh  
Literature.  
I. English, I. Greek, I. Latin,  
I. Philosophy.  
F. History, S. Education, S. English.  
F. French, F. Geography, S. Economics.  
I. English, I. History, I. Music.  
H. English, II (2).

#### SCIENCE.

F. Physics.  
H. Geography, III.  
I. Pure Mathematics, S. Geography,  
S. Geology.  
F. Geography, S. Botany, S. Zoology.  
F. Applied Mathematics.  
F. Physics, F. Pure Mathematics.  
F. Geography, S. Geology.  
I. Physics, S. Applied Mathematics,  
S. Pure Mathematics.  
H. Pure and Applied Mathematics, II (1).  
I. Botany, I. Chemistry, I. Physics,  
I. Zoology.  
F. Chemistry, F. Physics.  
H. Chemistry, I.  
H. Geography, III.  
F. Botany, S. Education, S. Zoology.  
S. Botany, S. Geology, S. Zoology.  
H. Botany, II (1).  
S. Botany, S. Zoology.  
H. Geology, I.

- Davies, David Richard Aylmer F. Chemistry, S. Botany, S. Physics.  
 Davies, Emlyn Glyndwr I. Botany, I. Geology, I. Zoology.  
*Davies, Eric Thomas John* H. Pure Mathematics, I.  
*Davies, Gwenda Non* H. Botany, I.  
*Davies, Harriet Frances Eluned* F. Botany, F. Zoology.  
 Davies, Margaret Maud Roberts  
 Lloyd F. Botany, S. Zoology, I. Geology.  
 Davies, Peggy F. Applied Mathematics, F. Pure Mathematics.
- Davies, Stanley Noel F. Physics, F. Pure Mathematics.  
 Davies, Thomas Vivian I. Physics, S. Applied Mathematics, S. Pure Mathematics.
- Dawson, Ailsa Mary F. Botany, F. Chemistry.  
*Edwards, Alun Davies* F. Applied Mathematics, F. Pure Mathematics, S. Physics.
- Edwards, Dewi Evans S. Applied Mathematics, S. Pure Mathematics, S. Physics.
- Evans, Davy Edward S. Applied Mathematics, S. Pure Mathematics, S. Physics.
- Evans, Elvet Joseph F. Applied Mathematics, F. Pure Mathematics.
- Evans, Gwyneth* H. Zoology, II (2).  
*Evans, Idwal Victor* F. Geography, S. Education, S. Geology.  
 Evans, Irene Morgan I. Geology.  
 Evans, Jacob F. Zoology, S. Botany.  
*Forbister, Joseph Glyn* H. Pure Mathematics, I.  
 Francis, Reginald Norman S. Chemistry, S. Physics, S. Pure Mathematics.
- Franklin, Charles Edmund Leonard* H. Chemistry, I.  
*George, Edgar* H. Physics, I.  
 George, Marion Thelma, B.Sc. F. Zoology.  
 Glencross, Ada F. Botany, F. Zoology.  
 Gravell, John David F. Geology.  
 Griffiths, Ida Mary F. Botany, F. Geography.  
 Grindley, Joseph I. Applied Mathematics, I. Pure Mathematics, I. Physics.
- Gwynn, Eira Margaret* H. Zoology, II (1).  
 Hamer, Gwilym Trevor S. Botany, S. Economics, S. Zoology.  
 Hart, John Mervyn Pugh F. Applied Mathematics, F. Pure Mathematics.
- Heppell, Diana Joan S. Botany, S. Geography, S. Zoology.  
 Higgs, Alfred Henry F. Physics.  
 Hopkin, Myra F. Botany, F. Geography.  
*Hughes, Daniel Maldwyn* F. Economics, F. Geography.  
 Hughes, Margaret Patience F. Botany, F. Zoology.  
 Hurn, Albert George F. Applied Mathematics, F. Pure Mathematics.
- John, Gwilym James S. Botany, S. Economics, S. Zoology.  
 John, John Thomas F. Chemistry, F. Pure Mathematics.
- Jones, Clarice Muriel Mary, B.Sc. H. Pure Mathematics, II (2).  
 Jones, David Charles Edmund I. Chemistry, I. Physics, I. Pure Mathematics.
- Jones, Ellen, B.Sc. H. Zoology, I.  
 Jones, Evan Islwyn I. Chemistry, I. Physics.  
 Jones, Geoffrey David Thomas F. Geography, F. Pure Mathematics, S. Geology.
- Jones, Gwilym Melville I. Applied Mathematics, I. Pure Mathematics, I. Physics.
- Jones, Herbert I. Botany, I. Zoology, S. Chemistry.

- Jones, Iorwerth  
 Jones, Ivor Rees  
*Jones, John Arthur*  
 Jones, John Bradley  
 Jones, John Richard  
 Jones, Margaret Phyllis  
*Jones, Megan Eleanor*  
 Jones, Nansi  
*Jones, Peredur William*  
 Jones, Walter Dennis  
 Jones, William Merfyn
- Kilner, William John  
*Landon, David Handel*
- Lewis, Dilys Myfanwy*  
 Lewis, Egryn Mason  
 Lewis, Raymond Vaughan  
 Lewis, Sulwyn Lewis Albert  
 Mons
- Magdalino, Andrea  
 Mellor, Margaret Louise  
 Mends, John Raymond  
 Mends, William Graham
- Michael, Thomas Vaughan  
*Morgan, Betty*  
 Morgans, Evan Joseph  
*Owen, Gwyneth*  
*Parry, Wilfred*  
*Phillips, Rosetta Florence*  
 Phillips, Thomas Lloyd, B.Sc.  
 Pindar, Arthur Charles Samuel
- Pitman, Dorothy Millicent
- Powell, Barbara  
 Powell, Gwendoline Margaret  
 Powell, Mary Gwyneth
- Powell, Raymond Cuthbert  
 Price, Dora  
 Pritchard, John Emrys
- Pugh, Donald George  
 Rawson, Robert Rees  
 Rees, Beryl  
 Rees, Meurig Thomas
- Rees, Stephen Hywel  
 Reynolds, Ethnea Hywel  
 Richards, Elfyn John
- Richards, George Ronald
- Richards, John Howard Byron  
*Richards, Owen Hannah*  
 Ridding, Alice Mary  
 Roberts, Gwilym Emrys  
 Roberts, Henry Trevor
- F. Physics.**  
 S. Botany, S. Economics, S. Geography.  
 H. Pure and Applied Mathematics, I.  
 S. Botany, S. Chemistry, S. Zoology.  
 I. Geology, I. Zoology, S. Botany.  
 S. Economics, S. Geology.  
 H. Chemistry, III.  
 F. Geology, S. Botany.  
 F. Philosophy, F. Zoology.  
 S. Economics, S. Geography, S. Geology.  
 I. Botany, I. Chemistry, I. Physics,  
 I. Zoology.  
 F. Economics, S. Geography, S. Geology.  
 F. Pure Mathematics, S. Applied Mathematics.  
 H. Zoology, II (2).  
 F. Economics, S. Geology.  
 I. Chemistry.
- F. Economics, F. Geography, F. Geology.  
 I. Geology, I. Zoology, S. Botany.  
 S. Botany, S. Geography.  
 F. Chemistry.  
 S. Applied Mathematics, S. Pure Mathematics, S. Physics.  
 S. Chemistry, S. Physics.  
 F. Botany, S. Economics.  
 S. Economics, S. Geography, S. Geology.  
 H. Botany, II (1).  
 F. Pure Mathematics.  
 H. Geography, I.  
 H. Pure and Applied Mathematics, II (1).  
 S. Applied Mathematics, S. Pure Mathematics, S. Physics.  
 F. Applied Mathematics, F. Pure Mathematics.  
 F. Botany, S. Economics, S. Zoology.  
 F. Botany, F. Zoology.  
 I. Botany, I. Chemistry, I. Physics,  
 I. Zoology.  
 I. Chemistry, I. Geology.  
 F. Chemistry, F. Pure Mathematics.  
 I. Geology, I. Physics, I. Pure Mathematics.  
 I. Chemistry.  
 I. Physics, S. Geography, S. Geology.  
 F. Economics, S. Geology.  
 F. Applied Mathematics, F. Pure Mathematics.  
 S. Economics.  
 S. Botany, S. Geography, S. Zoology.  
 F. Applied Mathematics, F. Pure Mathematics.  
 S. Applied Mathematics, S. Pure Mathematics, S. Physics.  
 S. Geography.  
 H. Pure and Applied Mathematics, II (2).  
 F. Botany, F. Geography.  
 F. Chemistry, F. Physics.  
 F. Geography, F. Geology.



- Rollinson, Kathleen  
 Ross, Joan Margaret  
 Sanders, Eileen Mary  
 Saunders, Mary  
 Saunders, Oliver Picton, B.Sc.  
 Savage, Alcwyn  
  
 Sturgess, Lambert Owain  
 Taylor, Muriel Margaret  
 Thomas, Arwyn Theophilus  
 Thomas, Ben Chalinder  
  
*Thomas, Harry*  
 Thomas, Ieuan  
 Thomas, John Hirwaun  
*Thomas, Lyndel Mary*  
*Thomas, Nesta Elizabeth Sybil*  
 Thomas, Thomas David  
  
 Treharne, Kenneth Cecil  
 Vanstone, Frederick Haydn  
*Vaughan, Alfred Kenneth*  
 Vaughan, Annie Mary  
  
 Venn, Ernest Edward  
 Walker, Alan George  
*Walker, Thomas*  
 Watkins, Emlyn  
 Watkins, William Gwyn  
 Weale, William Austin, B.Sc.  
*White, Theodore*  
 Williams, David Charles  
 Williams, Doreen Margaret  
     Mabel  
*Williams, Harold Lawson*  
 Williams, Ivor  
  
 Williams, John Malgwyn  
  
*Williams, Kenneth*  
*Williams, Robert Griffith*
- F. Botany, F. Geography.  
 F. Geography, F. Geology.  
 S. Botany, S. Geography, S. Zoology.  
 S. Botany, S. Geography, S. Geology.  
 H. Botany, II (1).  
 I. Applied Mathematics, I. Pure Mathematics.  
 F. Physics.  
 F. Geography, F. Geology.  
 S. Chemistry, S. Physics.  
 S. Geography, S. Physics, S. Pure Mathematics.  
 H. Pure and Applied Mathematics, II (1).  
 S. Economics.  
 I. Zoology.  
 F. Physics, S. Chemistry.  
 F. Botany, F. Economics.  
 S. Chemistry, S. Physics, S. Pure Mathematics.  
 S. Physics, S. Pure Mathematics.  
 F. Chemistry, F. Physics.  
 F. Botany, F. Geography.  
 S. Botany, S. Chemistry, S. Pure Mathematics.  
 F. Botany, S. Economics.  
 I. Botany, I. Chemistry, I. Zoology.  
 H. Zoology, II (1).  
 I. Physics, S. Chemistry.  
 F. Physics.  
 H. Zoology, II (2).  
 H. Chemistry, I.  
 F. Geography, F. Zoology.  
  
 I. Chemistry.  
 H. Geography, II (2).  
 S. Applied Mathematics, S. Pure Mathematics, S. Physics.  
 I. Physics, S. Chemistry, S. Pure Mathematics.  
 H. Physics, II (1).  
 F. Geography, F. Geology.

## RURAL SCIENCE.

- Beynon, Teresa Mary  
 Bowen, Morva  
 Church, Stuart Llewelyn  
 David, Harold Mansel  
  
 Davies, Roger Probert  
  
 Edmunds, Henry, B.Sc.  
 Edwards, David Emlyn  
 Evans, David Howard  
  
*Evans, Jenkin Russell*  
  
 Evans, William Morgan  
     Reginald  
 Griffiths, David John  
*Griffiths, Edward Kenneth*
- I. Chemistry.  
 F. Botany, F. Zoology.  
 S. Agricultural Chemistry, S. Botany.  
 I. Botany, I. Zoology, S. Agricultural Chemistry.  
 F. Agriculture, F. Chemistry with Agricultural Chemistry.  
 H. Agricultural Botany, II (1).  
 I. Botany, I. Chemistry, I. Zoology.  
 F. Agriculture, F. Zoology, S. Agricultural Chemistry.  
 F. Agriculture, F. Chemistry with Agricultural Chemistry.  
  
 S. Agricultural Botany, S. Zoology.  
 I. Botany, I. Chemistry, I. Zoology.  
 F. Agriculture, F. Chemistry with Agricultural Chemistry.

- Griffiths, John Richard  
*Hopkins, John Stephen*  
 Hughes, Gwilym Pearson  
 Hughes, Ivor  
 Jenkins, Leslie Stuart  
*Jones, Betty Monica*  
 Jones, Frank  
 Jones, George Desmond  
 Jones, John Daniel  
*Jones, John Trefor*  
 Jones, Margaret  
 Jones, Richard Bennett  
 Jones, Thomas John  
 Lewis, Albert Lloyd  
 Mandal, Benoyendra Nath  
 McHardy, Leo John, B.Sc.  
 Phillips, Glyn Myrddin  
*Phillips, Llewelyn*  
 Powell, Hannah Margaretta  
 Price, Charles Dilwyn  
*Price, Elwyn Idris*  
*Pugh, William Kenneth*  
 Radcliffe, Alan  
 Reeves, Mervyn Lewis  
 Mathews  
 Richards, Tom Glyndwr  
 Swallhay, Saiduddin  
 Taylor, Stuart Mathias  
 Thomas, Elwyn John  
 Thomas, John Denis  
 Tyvold, Alice Mary  
*Wibberley, Gerald Percy*  
*Williams, Myrddin*  
 Williams, Thomas Elwyn  
 Carson, James Eric Rutherford  
*Davies, Alun (Gorseinon)*  
 Davies, David Gwyn  
 Davies, Eveline Hay  
 Davies, Gwynne  
 S. Agricultural Botany, S. Agricultural  
 Chemistry, S. Chemistry.  
 H. Chemistry with Agricultural Chemistry,  
 II (1).  
 S. Botany, S. Agricultural Chemistry.  
 I. Botany, I. Zoology, S. Chemistry.  
 S. Agricultural Botany, S. Zoology.  
 F. Agriculture, F. Zoology, S. Agricul-  
 tural Chemistry.  
 S. Agricultural Chemistry, S. Botany.  
 I. Botany, I. Chemistry, I. Zoology.  
 F. Agriculture, S. Agricultural Chemistry,  
 S. Economics.  
 F. Agriculture, F. Botany, S. Agricultural  
 Botany.  
 S. Agricultural Chemistry, S. Botany,  
 S. Zoology.  
 S. Agricultural Chemistry, S. Economics.  
 I. Botany, I. Chemistry, I. Zoology.  
 I. Botany, I. Chemistry, I. Zoology.  
 S. Agricultural Botany.  
 H. Zoology, including Agricultural  
 Zoology, I.  
 S. Agricultural Chemistry, S. Chemistry.  
 F. Agriculture, F. Zoology, S. Agricul-  
 tural Botany, S. Agricultural Chemistry.  
 F. Agriculture, S. Agricultural Botany,  
 S. Chemistry.  
 S. Agricultural Chemistry, S. Botany.  
 F. Agriculture, F. Chemistry with Agri-  
 cultural Chemistry.  
 H. Chemistry with Agricultural Chemistry,  
 II (2).  
 S. Agricultural Chemistry, S. Botany.  
 I. Botany, I. Zoology, S. Agricultural  
 Chemistry, S. Economics.  
 S. Agricultural Chemistry, S. Botany.  
 F. Economics with Agricultural  
 Economics.  
 I. Botany, S. Agricultural Chemistry,  
 S. Economics.  
 S. Agricultural Chemistry, S. Botany.  
 F. Agriculture, S. Agricultural Botany.  
 I. Chemistry, I. Zoology, S. Botany.  
 F. Agriculture, F. Economics with Agri-  
 cultural Economics, S. Agricultural  
 Botany.  
 F. Agriculture.  
 I. Botany, I. Chemistry, I. Zoology.
- LAW.  
 Part I. Common Law, Part I. Constitu-  
 tional Law, Part I. International Law.  
 H. Law, II (2).  
 Part I. Common Law, Part I. Constitu-  
 tional Law, Part I. International Law.  
 Part I. Common Law, Part I. Inter-  
 national Law.  
 I. French, Prelim. Contract, Prelim. Tort  
 and Crime, Prelim. Constitutional  
 History.

- Dutt, Arindam* Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Edwards, Frank Edward Tudor Part II. Common Law, Part II. Jurisprudence.
- Ellis, William Armon Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Evans, Arthur Goronwy Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Evans, Catherine Eirian Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Evans, Horace Wynne Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Griffiths, Glanville Talbot I. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Gyaneshwar, Badri Maharaj Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Hughes, Cledwyn Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Hughes, John David Part I. International Law.
- Hughes, William Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- James, David Elidyr Howell* Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- James, John Devonald I. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Jones, Aneurin Glanmor Parry Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Jones, Benjamin George* H. Law, II (I).
- Jones, Clement Owen* H. Law, I.
- Jones, Edgar Joseph Basil Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, Frank Maurice Probert Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, Glyn Parry I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Jones, Griffith Winston Guthrie* H. Law, I.
- Jones, Megan Gwyneth Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Jones, Richard Owen* Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Jones, William Lloyd Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Llewelin, Thomas Owen Lewis Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Matthews, Menna Lloyd* Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Morgan, John* Part II. Common Law, Part II. Jurisprudence.

- Morgan, William Gwynne*  
Moseley, Glanrhyd
- Owen, Hugh Wynn
- Reddy, Tholapalli Venkatasiva
- Rees, William Edgar
- Rhydderch, William
- Rivlin, Harold Lionel
- Roberts, Glyn
- Roberts, Hywel Gittins*
- Thomas, Evan Hugh*  
Thomas, Hywel Philip Rhys
- Thomas, John Stuart Hamilton*
- Thomas, Leslie Gwynn
- Thomas, Ryland Lowell  
Degwel
- Thomas, Trevor Cawdor
- Watkins, David Charles
- Williams, Catherine
- Williams, Dafydd Wyn Jones
- Williams, John Leslie
- Williams, Mary
- Williams, Richard John Grant
- Williams, Richard Rees
- Williams, Stephen Gwyn
- H. Law, III.
- I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Part II. Common Law, Part II. Jurisprudence.
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- S. History, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- H. Law, II (2).
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- S. Economics, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Part II. Common Law, Part II. Conveyancing and Equity, Part II. Jurisprudence.
- I. Philosophy, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- S. Economics, Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- Part I. Common Law, Part I. Constitutional Law, Part I. International Law.
- I. Greek, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- I. English, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.
- I. Philosophy, Prelim. Contract, Prelim. Tort and Crime, Prelim. Constitutional History.

## MUSIC.

Parry, Gwendoline Davies      S. History of Music, S. Theory of Music,  
S. Composition.

## DIPLOMA IN ART.

Roberts, Elen.  
Roberts, Mary Lloyd.

## DIPLOMA IN CRAFT.

Jones, Thomas Richard.

**SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1935.**

FACULTY OF ARTS.

Baird, Dorothy Gwendoline	I. Latin.
Beech, Eric Wm. George	I. French.
Courtman, James Harold	I. Geology.
Davies, Benjamin John	S. Welsh, S. Philosophy.
Davies, David Prothero	I. German.
Davies, Elsie Grace	I. French.
Davies, Gwynfryn	I. German.
Davies, John, B.A.	I. Latin.
Davies, John Ewart	I. Latin.
Evans, David Emlyn	I. German.
Evans, David John (Whitland)	I. German.
Evans, Iorwerth Cynwyd Louvain	I. Geology, I. German.
Evans, Kenneth Owen	I. Latin.
Griffiths, Cyril	I. German.
Hewitt, Eric Wilson	I. German.
Howells, William Norman	I. Greek.
Jenkins, John Alban	I. German.
Jones, Edgar	I. German.
Jones, Gwen Margaret	I. Latin.
Jones, James Arnold	I. German.
Jones, Mary Cynthia	I. German.
Jones, Richard Glynn	S. Education, S. Economics.
Maddox, Zillah Elonwy	I. Latin.
Mullins, Arthur Frederick James	I. Geology.
Parry, Margaret	I. German.
Price, Ann Elonwy Mary	I. Latin.
Price, Hubert Lemuel Eric	I. German.
Rees, David Morgan	I. Philosophy.
Roberts, Ann Rachel Morwen	I. Latin.
Roberts, Raymond Roney	I. Latin.
Seaton, Nancy May	I. German.
Snell, Ivor Clements	I. Latin.
Thomas, Rosser Llyfnwy	I. German.
Williams, Catherine Elizabeth	I. French.
Williams, John Daniel	I. Greek.
Williams, Mair Eluned	I. Latin.
Williams, William Arwyn	I. German.

FACULTY OF SCIENCE.

Dawson, Ailsa Mary	I. Pure Mathematics.
Evans, Henry	S. Geography, S. Zoology.
Jones, Evan Islwyn	I. Pure Mathematics.
Powell, Raymond Cuthbert	I. Zoology.
Sansbury, David George	I. Botany, S. Zoology.
Thomas, Arwyn Theophilus	I. Pure Mathematics.
Watkins, Emlyn	I. Zoology.

FACULTY OF RURAL SCIENCE.

Phillips, Glyn Myrddin	I. Botany.
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DIPLOMA IN BIOLOGY.

Radcliffe, Irene Mary Rosa	I. Botany.
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FACULTY OF LAW.

Carson, James Eric Rutherford	I. German.
Jones, John Pritchard	Pt. I. Common Law, Pt. I. Constitutional Law.
Leggatt, David Theodore Clifford	Pt. I. Common Law, Pt. I. Constitutional Law, Pt. I. International Law.
Salmon, John Griffith	Pt. I. Common Law, Pt. I. Constitutional Law, Pt. I. International Law.

**EXAMINATION FOR THE DIPLOMA IN EDUCATION, 1935.**

The following candidates have satisfied the examiners and have qualified for the Diploma :—

**PART I. WRITTEN EXAMINATION.***Division 1.*

Rees, Anelyf Wyn, B.A.  
Rees, Garnet, B.A.

*Division 2.*

Adams, William Stephen, B.A.  
Barfield, Hilda Ellen, B.A.  
Bevan, Ronald William, B.Sc.  
Bound, Richard Augustine Milwyn, B.Sc.  
Bowditch, Linda Eliza, B.A.  
Collard, Eileen Louise, B.A.  
Davies, David Thomas, M.Sc. (Part I.).  
Davies, Edith Magdalen Elizabeth, B.A.  
Davies, Ethel Mary, B.A.  
Davies, Gilbert, B.A.  
Davies, Griffith George, B.A.  
Davies, Horace Lloyd, B.Sc.  
Edwards, Harry James, B.A.  
England, Ruth Louise, B.A.  
Evans, Eleanor Mary, B.Sc.  
Evans, Nancy Gwenhwyfar, B.A.  
Evans, William John, B.A.  
Gower, Beatrice Agnes, B.A.  
Grant, Raymond Kenneth James, B.A.  
Griffiths, Olwen May, B.A.  
Hopkins, Evan John, B.A.  
Hughes, Glyn Rhys, B.A.  
Jacob, Ronald, B.A.  
James, Henry Vincent, B.Sc.  
Jones, Annie Avarinah, B.A.  
Jones, Margaret Julia Mary, B.A.  
Jones, Thomas Rhys, B.A.  
Jones, Thomas Richard, B.A.  
King, William George, B.Sc.  
Lewis, Ann Elizabeth, B.A.  
Lewis, Margaret Jane Phyllis, B.A.  
Lloyd, Eira Mary, B.A.  
Lloyd, Thomas Richard, B.A.  
Mainwaring, Margaret, B.A.  
Morgan, Percival Francis, B.A.  
Owen, Morgan David, B.Sc.  
Owen, Rachel Meiriell, B.A.  
Phillips, Marion, B.Sc.  
Powell, Nancy, B.A.  
Presley, Gwynneth Hilda, B.Sc.  
Price, Morgan, B.Sc.  
Pryce, David George, B.Sc.  
Rees, Nancy, B.Sc.  
Rowlands, Elizabeth Doris, B.A.  
Sewell, Nellie, B.A.  
Spiller, George Francis, B.Sc.  
Thomas, Graham, B.A.

Thomas, Maelgwyn Rees, B.A.  
 Thomas, Marion Elaine, B.A.  
 Walker, Ivor, B.A.  
 Warlow, Phoebe Rosalind, B.Sc.  
 Watkins, Ernest Gwynne, B.A.  
 Williams, Betty Joyce, B.Sc.  
 Williams, Megan, B.Sc.  
 Williams, Sylvia Rosalind, B.Sc.  
 Williams, William John, B.A.

PART II. TESTS OF PRACTICAL SKILL.

*Division 1.*

Grant, Raymond Kenneth James, B.A.  
 Hopkins, Evan John, B.A.  
 Lloyd, Eira Mary, B.A.  
 Rees, Anelyf Wyn, B.A.  
 Thomas, Graham, B.A.

*Division 2.*

Adams, William Stephen, B.A.  
 Barfield, Hilda Ellen, B.A.  
 Bevan, Ronald William, B.Sc.  
 Bound, Richard Augustine Milwyn, B.Sc.  
 Bowditch, Linda Eliza, B.A.  
 Collard, Eileen Louise, B.A.  
 Davies, Edith Magdalen Elizabeth, B.A.  
 Davies, Ethel Mary, B.A.  
 Davies, Gilbert, B.A.  
 Davies, Griffith George, B.A.  
 Davies, Horace Lloyd, B.Sc.  
 Edwards, Harry James, B.A.  
 England, Ruth Louise, B.A.  
 Evans, Eleanor Mary, B.Sc.  
 Evans, Nancy Gwenhwyfar, B.A.  
 Evans, William John, B.A.  
 Gower, Beatrice Agnes, B.A.  
 Griffiths, Olwen May, B.A.  
 Hughes, Glyn Rhys, B.A.  
 Jacob, Ronald, B.A.  
 James, Henry Vincent, B.Sc.  
 Jones, Annie Avarinah, B.A.  
 Jones, Margaret Julia Mary, B.A.  
 Jones, Thomas Rhys, B.A.  
 Jones, Thomas Richard, B.A.  
 King, William George, B.Sc.  
 Lewis, Ann Elizabeth, B.A.  
 Lewis, Margaret Jane Phyllis, B.A.  
 Lloyd, Thomas Richard, B.A.  
 Mainwaring, Margaret, B.A.  
 Morgan, Percival Francis, B.A.  
 Owen, Morgan David, B.Sc.  
 Owen, Rachel Meiriell, B.A.  
 Phillips, Marion, B.Sc.  
 Powell, Nancy, B.A.  
 Presley, Gwynneth Hilda, B.Sc.  
 Price, Morgan, B.Sc.  
 Pryce, David George, B.Sc.  
 Rees, Garnet, B.A.



Rees, Nancy, B.Sc.  
 Rowlands, Elizabeth Doris, B.A.  
 Sewell, Nellie, B.A.  
 Spiller, George Francis, B.Sc.  
 Thomas, Maelgwyn Rees, B.A.  
 Thomas, Marion Elaine, B.A.  
 Walker, Ivor, B.A.  
 Warlow, Phoebe Rosalind, B.Sc.  
 Watkins, Ernest Gwynne, B.A.  
 Williams, Betty Joyce, B.Sc.  
 Williams, Megan, B.Sc.  
 Williams, Sylvia Rosalind, B.Sc.  
 Williams, William John, B.A.

SUPPLEMENTARY LIST, 1931.

PART II. TESTS OF PRACTICAL SKILL.

*Division 2.*

Davies, David Thomas, M.Sc.

**Higher Degrees obtained by past and present students:—**

*Degree of M.A. :—*

Ellis, Dewi Machreth, B.A.	..	..	..	Welsh.
Gittins, Charles Edward, B.A.	..	..	..	Education.
Jones, Brynmor, B.A.	..	..	..	Latin.
* Jones, John Robert, B.A.	..	..	..	Philosophy.
* Jones, Thomas, B.A.	..	..	..	Welsh.
Rees, Mattie, B.A.	..	..	..	Welsh.
Roderick, Arthur James, B.A.	..	..	..	Welsh History.
Samuel, Penry, B.A.	..	..	..	International Politics.
Sanders, Ivor John, B.A.	..	..	..	History.
Williams, Gwilym Rhys, B.A.	..	..	..	Latin.
Williams, John Morris, B.A.	..	..	..	Latin.
* Williams, Sarah Dilys Watcyn, B.A.	..	..	..	French.

\*With distinction.

*Degree of M.Sc. :—*

Chapple, Maurice Tregear, B.Sc.	..	..	..	Pure Mathematics.
Davies, Thomas Idwal, B.Sc.	..	..	..	Zoology.
Hooper, Margaret Chorlton, B.Sc.	..	..	..	Botany.
Howell, Walter Thomas, B.Sc.	..	..	..	Applied Mathematics.
Jones, John Idris, B.Sc.	..	..	..	Chemistry.
Lewis, Edith Annie, B.Sc.	..	..	..	Botany.
Owen, Mabel, B.Sc.	..	..	..	Zoology.
Parry, George Alwyn, B.Sc.	..	..	..	Chemistry.

*Degree of Ph.D. :—*

Owen, Geraint Dyfnallt, B.A.	..	..	..	Welsh History.
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*Degree of D.Sc. :—*

Davies, William Lewis, M.Sc.				
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## GREEK.

MR. E. D. T. JENKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary ..	20	6	14	12
Intermediate ..	14	—	14	10
Subsidiary ..	11	—	11	10
Final ..	3	—	3	2
Hons. 1st Yr. ..	1	—	Did not take exams.	
Hons. 2nd Yr. ..	—	—	—	—
Post-graduate ..	—	—	—	—
TOTALS ..	49	6	42	34

Once more I am able to record an appreciable increase in the number of students registered at the beginning of the Session, and as withdrawals were comparatively few, the number taking examinations was the highest for very many years.

*Elementary.*—On the whole this class worked diligently and nearly all reached the requisite standard in the June test, three doing well enough to be allowed to sit the Intermediate examination in September. Even so it still needs to be pointed out that, in the case of so highly inflected a language, the acquirement of even the barest rudiments of Grammar demands a sustained concentration, and is impossible on any other terms.

*Intermediate.*—This class was barely up to the average at this grade, and easily the best student was a member of the Faculty of Law, Mr. R. J. G. Williams. Several, while commendably regular in their attendance at lectures, were disposed to think that little more was required of them, and so failed to derive full benefit from the course. The importance of a proper study of the Set Book has been mentioned in previous reports, but needs to be emphasised afresh.

*Subsidiary.*—The class was up to the standard of previous years and included two students taking Honours Latin in June and several others who hope to do so next year. Mr. A. W. McAdam, a first-year student and holder of a Pritchard Scholarship, has shown considerable promise.

*Final.*—Two of the three candidates were successful in the examination, and one of them, Mr. T. E. W. Evans, a Richards Scholar and Foyle Prizeman for 1935, made a very favourable impression on the examiners.

*First Year Honours.*—In spite of the more pressing claims of Latin Honours, Mr. D. L. Jenkins has maintained his progress and gives every promise of a creditable performance in Honours next year.

I have been glad to give assistance, as in previous years, to the Departments of Latin and History. Tuition was given on "The Stoic Philosophy" to Mr. D. L. Jenkins, who obtained First Class Honours, and in the Department of History a course of lectures was delivered on Ancient Political Theory, with special reference to the Politics of Aristotle.

I have also continued to give help to Sir Henry Stuart-Jones in correcting the proofs of the new and revised edition of Liddell and Scott.

Once again I am indebted to Mr. Arnold M. Duff, Assistant Lecturer in Classics, for his loyal support and co-operation; also to Mr. A. Hudson-Williams, appointed Assistant Lecturer in Classics since the writing of the last Report, for the help he has given me, more particularly with the work of the Elementary Class.

I cannot conclude this Report without reference to an event which closely affects this Department, as also the classical side of the College generally. I mean the resignation of Professor Edward Bensly. For well nigh thirty years, Professor Bensly has been a member of the College staff, first as Professor of Latin and afterwards as Special Lecturer. His many students will always remember him gratefully as a great teacher and as a classical scholar of uncommon taste and refinement. His lectures on the principles of Textual Criticism have been an inspiration and a delight to senior students of this Department in the post-war years. I count myself privileged to have been for many years his colleague and to have known the rare and unique flavour of his scholarship and courtesy. The goodwill and affection of the College are with him in his retirement.

### LATIN.

PROFESSOR E. J. WOOD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Preliminary ..	20	2	17	10
Intermediate ..	38	1	36	15
Subsidiary ..	28	1	27	24
Final ..	5 (plus 1 who joined at Xmas.)	—	6	5
Hons. 1st Yr. ..	5	—	—	—
Hons. 2nd Yr. ..	3	—	3	3
				1 1st Cl. 1 2nd Cl., Div. A. 1 2nd Cl., Div. B.
Post-graduate ..	1	—	—	—
TOTALS ..	101	4	89	57

The numbers in the Department remain about the same, though there is some difference in their distribution. The Preliminary and Intermediate Classes are somewhat smaller than usual, while Subsidiary and Honours show an increase. The Subsidiary, in fact, this year is double the size it was two years ago—an encouraging sign, though, of course, there can be

no guarantee that the larger numbers will be maintained in the future. 1934 must have been a good "year" in the School Certificate Examination so far as Higher Latin was concerned.

*Preliminary.*—A good proportion acquitted themselves well and fitted themselves in some measure for Intermediate work next Session. Unhappily, some members of the class, perhaps owing to pressure of other work and lack of interest in a subject forced upon them, have made no progress.

*Intermediate.*—This class was disappointing. Apart from some outstanding exceptions, the quality of work was mediocre. Perhaps the unusually large numbers in the Subsidiary deprived the Intermediate of what would normally have been its best students.

*Subsidiary.*—The members of the Subsidiary worked hard throughout the Session and were pleasant to deal with. Only three out of twenty-seven failed to pass the Sessional Examination, and nine members have signified their wish to proceed to Honours.

*Final.*—There is nothing special to report about the Final. The class as a whole showed ordinary ability and all six passed the examination, except one.

*Honours.*—The five members of the first year Honours course worked industriously showing talent which, if not outstanding, was at least averagely good. Of the three who took Honours this June, Mr. D. L. Jenkins gained a splendid first class. The other two took second class Honours.

Mr. A. J. B. Higgins, who graduated with first class Honours in Latin and Greek last year, has been awarded a University Studentship and has been working, under the supervision of the Head of the Department, on the Syntax and Diction of St. Ambrose's Commentary on the Gospel of Luke, with a view to writing a dissertation for the M.A. degree. Two former members of the Department, Mr. Brynmor Jones and Mr. G. Rhys Williams, were awarded the M.A. degree this June.

It has been a pleasure to welcome to the Department Mr. Alun Hudson-Williams, who was appointed Assistant Lecturer in Greek and Latin in July, 1934. Mr. Williams was not long in acclimatizing himself to Aberystwyth and has already given ample proof of his fitness for the post. To him and, as usual, to Mr. E. D. T. Jenkins of the Greek Department, who has given invaluable aid in the teaching of Ancient Philosophy, and to Mr. A. M. Duff, I owe my best thanks for the unfailing loyalty, willingness, and efficacy of their services. I should like to mention here the favourable reception given to Mr. Duff's edition of Minor Latin Poets, which he has brought out in the Loeb Series in conjunction with his father, Professor J. Wight Duff. The Head of the Department has continued to help in the preparation of the Oxford Latin Dictionary.

We end on a note of regret. By his resignation this year, Professor E. Bensly has severed a long and faithful connexion with the College. His lectures on textual criticism have of recent years been a feature of the Classical Departments, while the College generally will miss his genial personality and the interesting public lectures he was ever ready to deliver for the delight of his audiences. The Department would like to place on record its high appreciation of the valuable services which his deep and wide learning, combined with the kindly interest he took in all its affairs, has conferred upon it, and wishes him many hale and happy years of pleasant retirement spent among his favourite literary pursuits.

## ENGLISH.

PROFESSOR J. W. H. ATKINS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	52	2	50	43
Subsidiary ..	83	5	78	63
Final ..	38	—	38	33
Hons. 1st Yr. ..	6	—	6	6
Hons. 2nd Yr. ..	15	2	14	13
Post-graduate ..	2	—	—	—
TOTALS ..	196	9	186	158

The number of students in the Department showed an increase over that of the year preceding. No less than fourteen candidates entered for the Honours Course, and there were corresponding increases at the other grades.

During the session two post-graduates were in residence, engaged in research work. Mr. L. I. Lewis, M.A., is a candidate for the Ph.D. degree, and has been working on the subject of "Walter Pater" for the last two years. His dissertation is now in its final stages, and he intends to submit it within the next few months. Miss I. Seaborne, B.A., has been attempting an appreciation of "George Meredith," with a view to the M.A. degree. Her work, though meritorious, is not yet in its final form; and she hopes to have completed it by January next. Mr. D. W. James, B.A., a former student, is also a candidate for the M.A. degree. His subject is "James Joyce"; and he has already done work of considerable credit.

The Honours Class this year was well above the average in both numbers and attainments. It included fourteen students in all, of whom thirteen were awarded the degree, while one of the ablest (J. Rogers) had to retire from the examination owing to a breakdown in health. The rest acquitted themselves well. C. L. Germanacos and Alban Dewi Lewis obtained First Classes, eight others being placed in Class II., Division I., and three in Class II, Division II.

The First Year Honours Class gave evidence also of creditable work. It numbered six students, all of whom completed a satisfactory year's work, while worthy of special mention is Margaret Davies.

At the Final (Pass) stage, out of 38 students who took the examination, 33 were successful. At the Subsidiary stage out of 78 candidates, 63 passed the College examination, and at the Intermediate stage, out of 50 candidates, 43 completed the course.

As in previous years, the teaching of the Department has been supplemented by short courses of lectures, given by Professor Barbier and Mr. David Evans on French Tragedy and German Tragedy, respectively. And I gladly take this opportunity of stating how much their help is appreciated.

I should also like to renew once again my thanks to my colleagues in the Department, Miss Winstanley, Mr. Earnshaw and Mr. Palmer. To them is due in a great measure the success of the work, and I am grateful for their loyal and generous assistance.

In conclusion, I might add that in the course of the session my work, "Literary Criticism in Antiquity" (two vols.) was completed, and was published by the Cambridge University Press in October last.

### WELSH.

PROFESSOR T. H. PARRY-WILLIAMS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	28	1	28 (1 extern.)	22
Subsidiary ..	30	—	30	22
Final	24	1	23	21
Hons. 1st Yr. }	2	—	—	—
Hons. 2nd Yr. ..	9	—	9	9
Post-graduate ..	3	1	—	—
TOTALS ..	96	3	90	74

The work of the Department was conducted on the same lines as in recent years, with a slight redistribution of the work among the staff. During the Session the usual classes were held, and the result of the year's work on the whole was quite satisfactory.

*Intermediate Stage.*—There were fewer "mature matriculants" this year than in recent years. Of these the best was Mr. A. Teifion Thomas; the others, in spite of lack of training and acquaintance with examination conditions, yet profited by the course and made satisfactory progress. It may be correct to state that, with one or two exceptions, the members of this class, although painstaking and diligent, did not on the whole reach the high level of some previous years. The best students in the class were Miss Sarah Elinor Jones, Miss Gwenllian Jones, Mr. Evan John Davies, Mr. Lewis Dewi Richards, Mr. Thomas Hamer and Mr. G. M. Mathias.

*Subsidiary Stage.*—As usual, the class at this stage included several first year students, and the work done by most of them was of high standard throughout. The best students were Mr. Brinley Rees, Mr. David Frederick Marks, and Miss Mary Cavell Thomas. There were others also whose performance in class and examination is deserving of mention—Mr. Griffith Milwyn Griffiths, Mr. John Wallace Thomas and Mr. William Norman Howells. Very good work was done by the class as a whole, and it is expected that the best of the first year students will maintain their high level of attainment when they reach the Honours stage. One student had to abandon the examination because of ill-health.

*Final Stage.*—The class at this stage was fairly even in respect of attainment and capability, and its general performance was very satisfactory. There were three outstanding students—Miss Elizabeth Megan Rees, Mr. Ieuan Morgan Williams and Miss Winifred Hopkins. Some of the members of this class pursued the First Year Honours course and will be proceeding to the Second Year Honours course next session. Two students who had passed the Final examination in June, 1934, joined the First Year Honours class and will be taking the Second Year Honours course next session. One student was prevented from sitting the June examination owing to ill-health.

*Honours Stage.*—There was an exceptionally good class at this stage this session. All nine members worked steadily and with diligence throughout the year, and as the result of the June examination, three (Miss Eluned Davies, Mr. Garfield Hopkin Hughes and Miss Mair Elvira Thomas) were placed in the First Class; three (Mr. Harold John Charles, Mr. Evan Gwyn-daf Evans and Miss Morfudd Morris) were placed in the First Division of the Second Class; two (Mr. Rhys Penri Davies and Mr. William Ernald Thomas) in the Second Division of the Second Class; and one (Mr. Evan Emrys Evans) in the Third Class. This was a very gratifying result.

*Post-graduate Work.*—Mr. Dewi Machreth Ellis, who had held a Sir John Williams Studentship for two years, and who had obtained a further grant to enable him to complete his extensive work on the "Place Names of Montgomeryshire" this session, presented the results of his investigation as a thesis in candidature for the degree of M.A., which was awarded to him. Mr. Harold Meurig Evans, another holder of a Sir John Williams Studentship, has nearly completed his work on the "Language and Diction of Early Free-metre Poetry" and hopes to submit his thesis for the M.A. degree next Christmas. Both these students have been working very enthusiastically for the last two years. Miss Mattie Rees, a former student of the Department, presented her thesis on "The Syntax of the Prepositions in the Four Branches of the Mabinogi," and was awarded the M.A. degree in December, 1934.

Mr. Thomas Jones, the Assistant Lecturer in the Department, completed his scheme of study—"Three Pseudo-historical texts, and the Latin originals," and was awarded the degree of M.A. with distinction on an excellent piece of research work.

Several ex-students, who have left College, are working on various pieces of research under the direction of the Department. One of our most promising researchers, Dr. J. J. Glanmor Davies, B.A., who obtained his Ph.D. degree last June, died suddenly in April. He had joined the London University School of Phonetics, and was continuing still further the researches begun by him and pursued for years at Aberystwyth. We deeply regret the loss of a thorough and enthusiastic research-worker.

As in past years, some extra-mural work (lecturing, adjudicating, etc.) was undertaken by the Department during the session, and the members of the staff are engaged in various researches.

During the Second Term, Mr. G. J. Williams, M.A., of University College, Cardiff, delivered a very interesting course of lectures on "Ysgolheictod Cymru yn y Ddeunawfed Ganrif," under the scheme for the interchange of University teachers.

My sincere thanks are due again this year to Mr. Gwenallt Jones, the Lecturer in the Department, and to Mr. Thomas Jones, the Assistant Lecturer, for their loyal co-operation and support, and their most devoted services to the Department.

*Publications by a former student.*

- Dr. J. J. Glanmor Davies (ex-Post-graduate student, deceased).  
 " Rhai o Eiriau Llafar Ceinewydd a'r Cylch " (*Bulletin of the Board of Celtic Studies*, Vol. VII.).  
 " Rhai Gwerineiriau Diddorol " (*Bulletin of the Board of Celtic Studies*, Vol. VII.).  
 " The Nasal Consonants of a Cardiganshire Dialect " (*Zeitschrift für Celtische Philologie*, Vol. XX.).  
 " Some Dialect-Forms from the District of New Quay, Cardiganshire " (*Zeitschrift für Celtische Philologie*, Vol. XX.).  
 " The Welsh Ll " (*Le Maître Phonétique*, Jan.-March, 1934).

**WELSH LITERATURE.**

PROFESSOR T. GWYNN JONES.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final	6	2 (one subsequently died)	4	4
Hons. 1st Yr.				
Hons. 2nd Yr. ..	2	—	1	1
Post-graduate ..	3	—	—	—
TOTALS ..	11	2	5	5

In the Final stage, students showed keen interest in their work, with greater uniformity of preparation than is usually the case. Their performances in the June examinations reached a very satisfactory standard. Mr. Inigo Jones, a most promising student of exceptionally fine character, keenly interested in his studies, had to withdraw after the first term on account of serious illness. He died at the beginning of the June tests.

In the Honours stage, Miss Catherine Olwen Roberts fully maintained the standard of her previous record, and was awarded a First Class. Her papers showed an exceptionally even and full acquaintance with the whole range of the material studied, and excelled in order and cohesion.

Mr. Glyn Rhys Hughes, who was placed in the First Class in June, 1934, during the session continued his interest in the earlier literary material, carrying out some interesting experiments.

Mr. Alwyn D. Rees, who was awarded a grant from the Sir John Williams Studentship Fund in June, 1934, has done excellent work during the Session, including an original contribution which is shortly to appear in the *Journal of the British Folk-lore Society*.

During the second term, the Head of the Department was invited to give a course of lectures at the University College of North Wales, Bangor, taking as his subject the study of Welsh verse. Lectures were also delivered to local and other Societies on literary subjects, with some broadcasting.



## CELTIC RESEARCH AND PALAEOGRAPHY.

MR. TIMOTHY LEWIS.

As reported last year, the late Professor Josef Baudis, Professor of Comparative Philology and Celtic, at the Universities of Prague and Bratislava, had left the MS. of a Celtic Grammar behind at his death. He had hoped to prepare it for the printers himself, but his health broke down before he was able to do so. At the request of his friends and the Philological Society, I undertook to prepare these MSS. for the Press and to see the book through. It was decided to issue it in two volumes, the first volume has been in the printer's hands for some time and will be published this year. I hope to have the second volume ready for the Press by the end of the Long Vacation.

I reported last year that the MS. of my book on the "Prolegomena to Celtic Religion" was ready for the Press. Last summer, however, Irish Archaeologists excavated the remains of the Early Christian Abbey called "Galen of the Welsh" in Co. Ophaly, and some most important discoveries were made there. As one of the principal chapters in my book was based on the intimate relationship between the Welsh Colony of Co. Ophaly and the parent stock in North Wales, and as I assumed that much of our early traditions sprang from this source, the results of these recent excavations have made it necessary for me to add a new chapter to the book. As the results of the excavations have not yet been published, I have to hold this new chapter up till I have visited Ireland to see for myself, and this I hope to do next month. I hope the book will be published by the end of the year.

### FRENCH.

PROFESSOR ANDRÉ BARBIER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	39		31	20
		+ On result of Subsidiary examination		
Subsidiary ..	43		41	10=30
Final .. ..	15	—	15	27
		+ Honours first year		
Hons. 1st Yr. ..	11	1	No examination.	
Hons. 2nd Yr. ..	12	—	12	12
Post-graduate ..	.1	—	—	—
<b>TOTALS ..</b>	<b>121</b>	<b>1</b>	<b>101</b>	<b>81</b>

No substantial change was introduced in the organisation of the department. As much importance as possible was given to tuition of students in small groups and discussion classes; but, for this aspect of the work, the department suffers much from inadequate staffing, bad accommodation and a nearly complete absence of apparatus.

The great majority of the students took a keen interest in their studies, and made very satisfactory progress. One remarkable feature this year was the rather large number of students who came to College with a Higher School Certificate, pursued the Subsidiary course in their first session, but failed to reach the required standard and were granted a Pass of Intermediate grade on the result of the Subsidiary examination. This is a disquieting sign, and I hope it is an accident which will not happen again in the future.

Of the twelve students presented for the Honours examination, two were placed in the first class, three in the first division of the second class, five in the second division of the second class, and two in the third class.

Eight candidates, all Honours students, were granted the Certificate of Oral Proficiency; it is important, in my opinion, that the standard of this Certificate should be maintained high.

Two students, who pursued last session the first year of the Honours course, spent the whole of this session in France. They are Mr. Arnold Vernon Davies, who was appointed by the French Minister of National Education, English Assistant in the Lycée at Cambrai, and Miss Mair Eirwen Mererid James, for whom I found a situation at Lille, where she registered as a student at the University and studied under the direction of my colleague, Professor Émile Audra. Both will return to this College next session. I do hope that a larger number of students will in the future, as they did in the past, spend a year in France between the first and the second year of their Honours course in French.

Seven students, after pursuing the first year of their Honours course in French, were given, in June, 1934, travelling grants which enabled them to spend the long vacation in France. Six received similar grants this June, and arrangements are being made for their stay abroad this summer. I wish to emphasize once more the immense value not only to these students, but to the department and the College generally, of the opportunity thus given of travelling abroad and coming into personal contact with French people.

Miss Sarah Dilys Watcyn Williams, B.A., who passed the general preliminary examination for M.A. in June, 1932, presented this month a dissertation on "A Critical Study of the Drama of Paul Hervieu (1857-1915)." It was a distinguished piece of work, based on a thorough investigation of the subject, and showing a keen judgment and considerable skill in the presentation of facts. The External Examiner highly praised the care taken to examine original sources, the fine appreciation of Hervieu's works, and the soundness of the conclusions arrived at. Miss Williams was given the degree of M.A. with distinction.

Mr. Jack Killa Williams, who was awarded in July, 1933, the Dr. Samuel Williams University Studentship, and was in residence at Aberystwyth during the Session 1933-34, carried on his research this session at the University of Paris and I understand that the results of his investigations into the French language of the XIVth. and XVth Century will appear soon in print.

Mr. Sydney Herbert was kind enough to deliver during the first term a short course of lectures to the students of the department on the historical background of French literature in the XIXth. Century. I beg to tender our hearty thanks to Mr. Herbert for these extremely useful lectures, which were much appreciated.

To my colleagues, Dr. E. Margaret Phillips, Dr. A. B. Thomas and Mademoiselle A. B. Valour, I desire to express my great indebtedness for their loyal collaboration and valuable assistance.

**PHONETICS.**

DR. A. B. THOMAS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking Exams.	No. passed.
Intermediate ..	39	8	31	24

Lectures were delivered on Descriptive Phonetics with special references to English, French, German and Welsh. The examination included questions on theory and transcription of texts into the script of the International Phonetic Association. The greatest weakness was in Transcription; individual attention seems necessary. The best work was done by a student from the Department of Welsh.

Most of the students of Phonetics come from the Department of French. The importance, to students of language, of the study of the mechanism of speech is obvious, and I find that students of Historical French Grammar and Old French fully appreciate the help they derive from this course in General Descriptive Phonetics.

The experimental side of the work is still held up by inadequate accommodation.

**GERMAN.**

MR. DAVID EVANS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary ..	47	5	33	30
Intermediate ..				
Subsidiary ..	22	6	16	14
Final ..	8	2	5	5
Hons. 1st Yr. ..	4	—	—	—
Hons. 2nd Yr. ..	5	—	5	5
Post-graduate ..	1	—	—	—
TOTALS ..	87	13	59	54
Any other special classes :—				
Science ..	12	—	—	—

The Staff Class was conducted by Dr. Nicol and it has been joined during the Session by two retired headmasters. Two hours a week are provided for the Honours students in Chemistry and Botany and good progress is made by the best students in each class.

The Intermediate Class was as big as usual and the results were quite satisfactory. Some of the best students made excellent progress and those who attained the pass standard have acquired a fairly useful command of the language for research or advanced work in other Arts subjects. It is very gratifying to find that some students in the following year take advantage of the open invitation to attend some lectures in a higher grade in order to maintain and improve their knowledge.

The Subsidiary Class worked successfully and the results were satisfactory, although a great deal of the work was only of fair quality. Very good work was done by Aziz Ahmad, W. R. Loveluck, Joan Morgan, Ifor Gwynn Owen and Dewi Lloyd Davies. The Final Class was of mediocre ability and had no higher ambition than to pass the Final examination, which they did.

The Honours Class worked very well throughout the session and two gained a First Class, two Second Class, Division I., and one Second Class, Division II. Several post-graduate students are proceeding with their research work for the degree of M.A. Mr. T. P. Williams, who holds a University Studentship, has been working at the Universities of Munich and Bonn. Mr. Edgar Jones is also at Bonn. A few theses may be presented next session.

The German circle holds its meetings regularly and we are very grateful to the Senior Warden for the use of the Drawing Room in Alexandra Hall.

The staffing of the department has been re-organised and Mr. Handel B. Edwards has been appointed Assistant Lecturer for the coming session. Miss Hermia Rees will continue her present part-time position, and Dr. Jolles has been appointed to fill the vacancy caused by the departure of Dr. Nicol. The conversion of the part-time assistant lectureship into a full-time post and the appointment of Dr. Jolles for a session instead of for two terms will greatly lessen the burden of lecturing and teaching on all concerned, and will, I am sure, prove beneficial to the department. I beg to record my deep gratitude to the Council for this recognition of the needs of the department.

My best thanks are also due to my colleagues in the department, Mr. Handel Edwards, Miss Hermia Rees, and Dr. Nicol, for their assistance and loyalty during the session.

## HISTORY.

PROFESSOR R. F. TREHARNE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	50	} 2 withdrew 11 promoted to Subsid.	35	32
Subsidiary ..	58		—	} 56 + 11 promoted from Inter=67
Final .. ..	49	—	49 (inc. 2 externally.)	
Hons. 1st Yr. ..	9	—	8	8
Hons. 2nd Yr. ..	9	—	9	9
Post-graduate ..	1 (+1 from Dept. of Welsh Hist.)	—	1	1
TOTALS — ..	177	2	169	150

The number of students registered in the department at the beginning of the Session was eleven greater than last year, and the number taking University examinations rose by fourteen.

The *Intermediate* class maintained and even bettered the improvement reported last year, and, in particular, their map work has shown a striking advance; whereas four years ago no candidates ever attempted to illustrate their written work with maps, now many candidates attempt every question in which maps can be used. This change has greatly improved the understanding of European history shown by the class as a whole, and has justified the acquisition of the Department's unique collection of historical wall-maps. Eleven members of the class did such good work that they were admitted to the Subsidiary examination, in which they were all successful. Mr. Ronald Evans, Mr. R. L. Griffiths and Mr. M. Lloyd Turner did work worthy of special mention.

The *Subsidiary* Class. Though once more there were only four failures in this class, the number of weak passes was disappointingly high, and the class as a whole was probably the weakest for some time. The map work of the class, however, continues to improve and shows very encouraging results. The essay class for students intending to proceed to Honours in History was larger than ever (sixteen in all), and the work of Mr. S. L. Awberry, of Mr. Alun Davies and of Miss E. D. Richards deserves commendation.

The *Final* Class was the largest hitherto, but the increased numbers did not maintain the usual level of attainment. Ten members of the class

failed, an unusually high proportion, and there were several weak passes. The need for personal direction and for regular written work is very obvious at this stage, and no substantial improvement is to be expected until essay classes can be organised. It is quite clear that the course is too heavy for many of those who aspire to it. No member of this class did all-round work worthy of special comment. Map questions have been introduced into part of the Final examination to encourage students to continue the habits of map reading formed at the earlier stages.

The *First Year Honours Group* was rather weaker than usual, but some very pleasing work has been done in the essay classes, and Miss Enid Vaughan Williams and Mr. R. H. Williams have done well. Latin and French continue to provide difficulties for the weakest members of the class, but it is significant that none of those who are satisfactory candidates for Honours in History have found serious trouble from foreign languages. The class will make a respectable, but not a distinguished showing next session.

The *Second Year Honours Group* was of more than average ability and produced the expected good work and gratifying results. Throughout the session these nine students have formed a happy and hard-working community, and their independence, their keenness and their *esprit de corps* have been among the most pleasing features of the session's work. Mr. Alun Davies and Mr. Alun Lewis obtained first class Honours degrees; five other members were placed in the first division of the second class, and two in the second division; once more there were no third class degrees or failures. The thesis work of several of these students was particularly noteworthy. Mr. Alun Lewis has been awarded the Harry Thornton Pickles Research Scholarship at Manchester University, and will work under Professor E. F. Jacob on the relations between the Papacy and England in the Thirteenth Century.

*General.* The year's work has again emphasized several important matters:

- (1) The need of taking at least *one* of the two prescribed languages (Latin and French) to the Higher Certificate stage before entering the College for a three years' Honours course in History.
- (2) The importance of thorough map-work as a basis for knowledge of political and economic history. To encourage this kind of work in schools, we have made map-questions compulsory in the Entrance Scholarship Examination, and the totally inadequate map-work of the scholarship candidates revealed the necessity of this measure. The compulsory map-questions will remain a feature of our Entrance Scholarship Examination in History.
- (3) The need for essay classes for the Pass students, at the Final stage particularly, has never been more apparent than this year. Until such provision is made, the pass work in history will continue to be nothing but lecture-notes and text-books in the case of three-quarters of the students.

*Research.*—The postgraduate course in the Sources of Medieval History was given during the Session and proved very useful to the research students in medieval history. Mr. I. J. Saunders completed his thesis on "The Political Activities and Influence of the Franciscans in England during the Thirteenth Century," and was awarded the degree of M.A. He has established some very useful hypotheses about the nature and importance of the influence of the Franciscans, and has laid solid foundations for further

work on this subject, which he intends to pursue at Oxford. He has been elected to the Meyricke Research Scholarship at Jesus College, Oxford. Two former students of the department have also been awarded the M.A. degree during the session—Mr. C. E. Gittins, whose thesis on "Condorcet as an Educationalist" had been supervised by Mr. Herbert, and Mr. A. J. Roderick, whose thesis on "Anglo-Welsh Relations during the reign of Henry III." has been written under the direction of Professor E. A. Lewis. The latter has been awarded the Prince Llywelyn Memorial Medal for the best M.A. thesis in Welsh History in the University of Wales. Another History graduate, Mr. F. R. Lewis, M.A., who has been working for the doctorate under Professor F. M. Powicke at Oxford, has achieved a remarkable performance by submitting for the Alexander Prize Medal of the Royal Historical Society the central portion of his M.A. thesis on "Richard of Cornwall, King of the Romans"; the essay, though submitted by a candidate of much less senior standing than is usual in this competition, so impressed the adjudicators that they have departed from their usual practice and have named Mr. Lewis as "proxime accessit," a distinction never announced on any previous occasion. The Alexander Prize is the highest award that is made in any open competition in historical research in Great Britain, and the honourable mention of Mr. Lewis's essay in this competition brings credit to the College, as the thesis of which the essay is a part was written here. Arrangements have been made for publishing the essay in "History."

I have to thank very warmly for their valuable help and co-operation Mr. E. D. T. Jenkins and Mr. J. Morris, who provide special courses for my second-year students, and Professor E. A. Lewis, for his share in our Final course. I am pleased to report that one of our Honours students took the Comparative Politics option, in the Department of International Politics, as part of his History course, and that, as a result of an explanatory talk by Dr. Vranek at the end of this session, half of next session's Second Year Honours group has selected options in the Department of International Politics. The excellent library of that Department has again proved invaluable to us as the home of Mr. Herbert's seminar in modern diplomatic history, which is taken as a special subject by the majority of our Honours students. I also wish to thank Mr. S. H. F. Johnston, B.A., B.Litt., newly recruited to the History Department's staff, for his effective and willing help throughout the session; his coming has greatly assisted my work and that of the department as a whole, while his learning and his teaching ability have made a deep impression on the students. To Mr. Herbert, I owe more thanks than I can adequately express for a whole-hearted, discerning and sympathetic co-operation which never fails.

*Extra-Mural Activities.*—Mr. Herbert (who, at Professor Barbier's request, has given a short series of lectures on French History in the French Department), has lectured to the Historical Association at Leeds, and has conducted week-end schools for the Workers' Educational Association at Risca and at Stoke-on-Trent, and will be lecturing at that Association's Summer School at Oxford. I have lectured to the Historical Association at Liverpool and at Swansea, and have lectured under the University's Interchange Scheme at Bangor and at Swansea University Colleges. Both Mr. Herbert and I lectured to the vacation school for teachers, organised here at Easter by the Welsh Department of the Board of Education, and we took the opportunity to arrange for the teachers an exhibition of some of our wall-maps, which were greatly admired.

Professor F. M. Powicke, M.A., Litt.D., F.B.A., Regius Professor of Modern History in the University of Oxford, and President of the Royal Historical Society, Professor E. F. Jacob, M.A., D.Phil., Professor of History in the University of Manchester, and Professor G. S. Veitch, M.A.,

Litt.D., Professor of Modern History in the University of Liverpool, have visited Aberystwyth during the session to lecture to the Historical Society.

*Publication by a former Student :*

Mr. F. R. Lewis: "William de Valence" (Part I.). *Aberystwyth Studies*, Vol. XIII. December, 1934.

### WELSH HISTORY.

PROFESSOR E. A. LEWIS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Final History (Welsh) ..	11	1	10	8
Hons. 2nd Yr. (Economic History of Wales)	2	—	—	2
Post-graduate ..	5	—	—	—
Palaeography ..	6	—	—	—
TOTALS ..	24	1	10	10

*Degree Courses in Welsh History.*—The number of students, including the optional courses offered in Welsh History in their degree schemes of study, showed a slight increase on that of last session. The *Final* class proved to be a sound average and very interesting group. The lecture and seminar classes were regularly attended, and much of the essay work done was distinctly creditable. Most of the members did well in the University examination, especially those who either had previously pursued, or were concurrently taking courses in the Welsh departments on the Literature of Wales during the Tudor period. Two students of the department of Economics selected "The Economic History of Wales during the Nineteenth Century" as their special subject at the *Honours* stage. Both did much independent reading, and their progress was thoroughly satisfactory.

*Palaeography.*—The usual classes were held for instruction in Palaeography, and were attended by three post-graduate students of the College, and three members of the National Library staff.

*Postgraduate Work.*—Mr. J. Vyrnwy Davies, B.A., continued his study of "The Diocese of St. David's during the first half of the Eighteenth Century." He has now completed his examination of the accessible data at the National Library of Wales (including a very careful inventory of the documents of ecclesiastical interest contained in the Otteley Papers), and proposes to submit his M.A. dissertation on the subject next December. Mr. A. T. Roderick, B.A., completed his thesis on "Anglo-Welsh Political Relations, 1218-1252, with special reference to Constitutional Matters," and was granted the M.A. degree. He was also awarded the Prince Llywelyn ap Gruffydd Prize, awarded annually, in case of sufficient merit, for the best dissertation submitted for the degree of M.A. on a subject



relating to the History of Wales or the Marches. Mr. Roderick is a very competent and promising medievalist; with experience, I am confident that he will make some valuable contributions to Welsh historical studies. Mr. Geraint Dyfnallt Owen, B.A., a former student of the department, was admitted to the degree of Ph.D. for a thesis on "Agrarian conditions and changes in West Wales during the Sixteenth Century, with special reference to Monastic and Chantry Lands." Mr. Owen is to be heartily congratulated upon his successful completion of a really arduous and pioneer piece of research work based almost entirely upon evidence hitherto unpublished. His work, as testified by the Assessors, forms a new and very substantial contribution to our knowledge of Welsh agrarian history during the Tudor period.

#### *Personal Research Work.*

Further progress was made in examining the Early Chancery Proceedings at the Public Record Office, London, for a volume which I am preparing for publication by the Board of Celtic Studies.

At the National Library of Wales, I began a survey and schedule of the "Local Records" recently deposited there by the Earl of Powis. Altogether this deposit comprises a large and valuable collection of manorial and other documents, reflecting economic and social conditions in the rural manors and boroughs of Montgomeryshire and of some of the Border Counties, from the beginning of the sixteenth to the end of the nineteenth centuries. A chronological schedule of the extant proceedings of both the Court Leet and Court Baroncourts (some 4,000 documents) has been already completed. Considerable progress was also made with the classification and arrangement of the other miscellaneous manorial and administrative records in the collection.

During the session, some samples of the "Local Records" deposited in the National Library in recent years were transcribed and published in the Bulletin of the Board of Celtic Studies, and in the Transactions of the Radnorshire Society. I also prepared a complete Text and Translation of "The Extant Proceedings of the Court Leet of the Manor of Llanwddyn during the reign of Elizabeth," which will be published shortly in the Transactions of the Powysland Club.

## PHILOSOPHY.

PROFESSOR R. I. AARON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	51	1	50	40
Subsidiary ..	20	—	20	17
Final ..	9	—	13†	9
Hons. 1st Yr. ..	3	—	—	—
Hons. 2nd Yr. ..	2	—	2	2
Post-graduate ..	3	—	—	—
TOTALS ..	88	1	85	68

†One candidate from outside.

There has been a slight increase in the number of students reading philosophy this year. A far more important point is that the quality of the students in the department is much improved. Philosophy has a good deal to offer the better type of student and a course at some grade or other, even Intermediate, with its study of Plato's *Republic*, its logic and its psychology, would be very beneficial to students of this sort. Good students are kept away, however, for two reasons. Firstly, they are tied by their Higher C.W.B. subjects—a very foolish arrangement which ought to be speedily remedied. Secondly, philosophy remains a four years' Honours course, whereas most other courses are now completed in three years. We should regret to see the course in philosophy reduced from four to three years, yet the circumstances are such that a change of this sort appears to be inevitable sooner or later. In spite of these difficulties, however, very many of the best students have found their way into the Philosophy Department this year and are doing excellent work there.

*Intermediate Stage.*—This was certainly the strongest Intermediate group during the last three years and its work throughout was good. It was a class full of promise for the future.

*Subsidiary Stage.*—An average class, with one or two bright students.

*Final Stage and First Year Honours.*—This was an attentive group, very conscientious and fairly successful.

*Honours Stage.*—Two men pursued the Honours course. Mr. P. C. Evans took a very creditable Second and was placed in the first division. Some of his papers were of First Class quality. Mr. J. R. Phillips was also given a Second and placed in the second division. Both men progressed rapidly during the course of the year.

*Research School of Philosophy.*—The School was continued during this year with three registered students. Meetings were held every Friday evening throughout the session. Mr. H. V. Morris Jones progressed excellently with his attempt to relate Spinoza's view of immortality with that of McTaggart. He will submit his dissertation in December next. Mr. Gwilym O. Roberts worked at his interesting problem on the psychology of personality. A new recruit to the School was Mr. K. O. Morris, who completed his Honours course last year and did research this year on Kant's conception of the functions of a church. All three students worked well. The chief honours to the School, however, came from an old member, Mr. J. R. Jones, of Balliol College, Oxford, who took his M.A. with distinction in January for a valuable piece of research work on Spinoza. It was one of the best pieces of research that the examiners had ever seen and fully worthy of publication. Since then, Mr. Jones has been elected to a Fellowship of the University. Research work is, of course, regarded by us as the most important branch of the department's activities and we give it our first attention. It is unlikely that we shall find research students every year. But we believe that real facilities for research in philosophy at Aberystwyth are now being provided. We make full use of the National Library and thank the Librarian and staff for much assistance to the students and for their great kindness in buying rare books which the College Library cannot afford to buy.

The Philosophical Society again enjoyed a successful year, thanks to the diligence of the President, Mr. H. V. Morris Jones, and the Secretary, Mr. Peredur Jones. The meetings were very popular and drew good attendances. No pressure of any sort is put upon the students to attend and membership is not confined to the department. The debates and discussions provided excellent intellectual entertainment. During the

course of the year we were visited by Professor John Macmurray and Professor Susan Stebbing, both of London University. The Society is much indebted to the Warden of Alexandra Hall for many kindnesses.

Dr. Davies continued with his class at Dinas Mawddwy. I am very greatly indebted both to him and to Mr. Karl Britton for their ready help throughout the session. The excellent spirit prevailing throughout the department is largely due to their loyalty and enthusiasm.

I can again report a very successful year.

### EDUCATION.

PROFESSOR C. R. CHAPPLE.

#### Training Department.

<i>Degree Classes.</i>				<i>Men.</i>	<i>Women.</i>
First Year	..	..	..	25	24
Second Year	..	..	..	37	30
Third Year	..	..	..	40	24
				102	78

<i>Professional Training.</i>	<i>Men.</i>	<i>Women.</i>	<i>No. completed qualification.</i>	
			<i>Men.</i>	<i>Women.</i>
Students taking University of Wales Teachers' Diploma and/or College Examination for Board of Education Certificate	41	33	41	33

Of these, 29 men and 28 women obtained the University Diploma.

In addition to the above, five ex-students (men) successfully passed their qualifying examination.

#### *Degree Classes in Education.*

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	22	1	21	14
Final ..	2	1	1	—
Honours ..	2	—	2	2
TOTAL ..	26	2	24	(1 Class I. 1 Class III)

## ANALYSIS OF EMPLOYMENT RETURNS OF STUDENTS WHO LEFT THE DEPARTMENT IN THE YEAR 1934.

Posts were obtained in :—

(a) Technical Institute	..	..	..	1	
(b) Secondary Schools	..	..	..	26	
(c) Central Schools	..	..	..	13	
(d) Elementary Schools	..	..	..	31	
(e) Unemployed Instruction Centre	..	..	..	1	
(f) Library Service	..	..	..	1	
					<hr/>
Engaged in Research or further studies	..	..	..		73
Unemployed	..	..	..		9
No information	..	..	..		10
					1
					<hr/>
					93
					<hr/>

Localities in which the students obtained posts :—

Wales and Monmouthshire	..	..			38
London and District	..	..	..	14	
Lancashire	..	..	..	6	
Midlands	..	..	..	2	
Yorkshire	..	..	..	2	
Other English Counties	..	..	..	10	
France	..	..	..	1	
					<hr/>
					35
					<hr/>
					73
					<hr/>

I have referred to the loss suffered by the College through the death of Mr. Dan R. Jones in the report on the Art and Crafts Department.

Professor John Hughes, a former student and lecturer in the Department, has left his Professorship in South Africa for the Chair of Education at McGill University, Montreal. Dr. Richard Thomas, also a former student and lecturer in the Department, has been appointed to the Principalship of the Normal College at Bangor.

Miss Roberts and Mr. Pinsent have, as usual, arranged school practice for our students in secondary, central and elementary schools from Llanelly to Welshpool—a work of great detail and sometimes anxiety. Their experience and advice in all matters relating to the organisation and development of the department has been invaluable.

Miss Roberts continues her work as examiner to the Welsh Training Colleges in the Principles of Teaching.

Dr. Gwenan Jones has lectured to various bodies on methods of Sunday School work, including the Coleg Harlech Summer School for Sunday School teachers. She has also been doing extra-mural work as Tutor of the Extension Course in Ethics held at Glandyfi. Dr. Jones has again dealt with the papers on Bilingualism at the annual examination of the Welsh Training Colleges.

Dr. Green continues his work for the Health and Cleanliness Council and his varied activities connected with the League of Nations Union and the cause of Peace. He was invited by the League of Nations Union, as convenors of a joint conference of educational associations in the Guild-

hall, London, to address the conference on "The Teaching of Mathematics and Science in relation to World Citizenship," and also lectured at the Training College for Women, Hereford, in June, dealing with the topic of the attitudes of children towards alien peoples and cultures in relation to the teaching of school subjects. In May last the first Aberystwyth and Cardiganshire Peace Pageant was organised; over thirty of the Cardiganshire Schools took part. Dr. Green was responsible for the "book," and Dr. Gwenan Jones for the Welsh version. Major Stimson was associated with Professor T. Campbell James in the production. The general feeling of the Cardiganshire headteachers is that the pageant had considerable educational value, and that its results more than justified the great trouble of preparation.

Mr. Ifan ab Owen Edwards continues his work on the Welsh Education Sub-Committee of the British Broadcasting Corporation. He has been elected to membership of the Council of the National Library of Wales and to the presidency of the morning session of the Children's Day at the National Eisteddfod at Caernarvon.

My sixth and last year as Examiner to the Welsh Training Colleges in the Principles of Teaching comes to an end in September.

We continue to be indebted to our colleagues in other departments for help in the teaching of their own special subjects, and I wish to express my gratitude to my colleagues in the Department for their very loyal and active co-operation and advice.

All members of the Department owe sincere thanks to Mr. William Lewis, Clerk to the Department, for his ability and loyalty in carrying out his duties.

## ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR R. B. FORRESTER.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	93	5	85	77
Final ..	53	2	49	47
Hons. 1st Yr. ..	(9)	—	—	—
Hons. 2nd Yr. ..	12	—	7	7
Other Honours ..	9	—	9	9
Post Graduate ..	4	—	—	—
<b>TOTALS ..</b>	<b>171</b>	<b>7</b>	<b>150</b>	<b>140</b>

### *Progress of Classes.*

The number of students pursuing the various courses in the Department showed a further increase. The Subsidiary (93) and the Final Classes (53) have been very large. The continuance of these large numbers imposes, as I have previously pointed out, a somewhat heavy burden on the staff.

The Subsidiary class had a considerable number of students who showed competence and promise and the tail was not so pronounced as it was expected to be earlier in the Session. Of the various alternatives offered in the Final stage, 46 students took the Economics group; 3 Economics and Politics; 2 Agricultural Economics; 20 took the course in Economic Statistics. The record of this class was distinctly good and many of its members have built up a sound background for further economic studies.

The Honours class numbered 12, of whom seven were candidates for Honours in Economics and Political Science, four were research students in Agricultural Economics, and one was training for Civil Service examinations. Of the seven who took the Honours group, three were placed in the First Class, Mr. Arthur Beacham, Mr. Oswald Beynon, and Mr. Elwyn Evans; one in the First Division of the Second Class, one in the Second Division of the Second Class, and two in the Third Class. Mr. Arthur Beacham, who was an outstanding student throughout his whole college career, has been awarded the Stanley Jevons Studentship in Economics by the University of Liverpool. This is a distinct and well-deserved honour to him and every good wish will go with him for the success of the Research work which he undertakes next Session in Liverpool. His subject is an examination of the problems which arise in the marketing of coal both at home and abroad. Mr. Oswald Beynon has had an excellent undergraduate record; he has been awarded a Sir John Williams Scholarship and should do useful work in Welsh Economic History. Mr. Elwyn Evans goes forward to his professional training; he has been distinguished for his clearheaded and well-balanced work in economics; he has also been notable for the excellence of his delivery in public speech. Mr. Anelyf Rees, B.A. (Class I, 1934), a former student of the Department, goes to Geneva to carry on Research work for a higher degree. Four post-graduate students have been in touch with the Department throughout the session. Mr. J. B. Jones, B.A., has visited London and Dublin in connection with his study of Anglo-Irish trade; he hopes to produce his thesis soon. Mr. J. R. E. Phillips, B.A., has pursued his study of cost of living enquiries. Mr. Evan Davies, B.A., has prepared a considerable portion of his study of recent developments of the Iron and Steel Trades. Mr. Maelgwyn Davies, B.A., is collecting material for his study of retail traders' purchasing associations.

#### *Staff.*

Mr. Percy George has continued to devote special attention to the subject of Statistical Methods. In pursuance of the idea of developing this side of the work so that it may be helpful to other departments, he proposes to offer next Session a special course on general statistical method where examples of the application of method in biological, agricultural and other fields will be attempted. Mr. J. H. Morris has continued his work on Economic History, both for the Departments of History and Economics; he is now preparing part of his thesis upon the Woollen Industry of the West of England, 1760-1830, for publication.

The Department received a welcome visit from Mr. H. A. Marquand, Professor of Industrial Relations in the University College of South Wales and Monmouthshire; he lectured upon the problems of unemployment insurance both to the Honours and Final Classes. He also spoke to the Economics Group on the industrial position of South Wales. Mr. Percy George visited Cardiff under the scheme for the interchange of college lecturers and delivered a series of lectures on statistical method.

#### *General.*

In a former report to the Court of Governors, I called attention to the desirability of associating extra-mural lecturers at some point with the

internal teaching of the Department in which their academic interests lie. Mr. Herbert Morgan, Director of Extra-Mural Studies, and I arranged with Dr. Hughes Griffiths and Mr. Hughes Lewis to give short courses of lectures upon selected subjects to the Honours students of the Economics Department. While these courses were appreciated by the students, it became obvious that the last four weeks of the Session, just before the period of heavy examinations, were not the best time to introduce new topics and new lecturers. I am, therefore, suggesting that this question be re-examined with a view to finding some other method of associating these extra-mural staff lecturers with the internal work of the Economics Department. Another matter to which attention might be given is the somewhat limited field from which the present regulations allow the Department of Agricultural Economics to draw its qualifying students. The College has the advantage of a very strong Department of Agricultural Economics, and I feel that it may be desirable to make it possible for Arts and Science students to take advantage of the courses offered even if they may have no special knowledge of the technique of agriculture.

To Mr. Percy George and to Mr. J. H. Morris, I wish to express my indebtedness for their support and assistance in training so large a number of students. My sincere thanks are due to my colleagues for their co-operation; to Dr. E. A. Lewis for his work on Welsh Economic History; to Dr. and Mrs. J. Vranek for their work in International Politics; and to Professor A. W. Ashby.

### INTERNATIONAL POLITICS.

DR. JIRI F. VRANEK.

Grade.	No. of Students registered at beginning of Session.		No. withdrawn during the Session.		No. taking University Exams.	No. passed.
Final .. ..	2	7*	—	2*	2	2
Hons 2nd Yr. ..	2	—	—	—	2	2
TOTALS ..	11		2*		4	4

\*Denotes students who pursue the courses, but do not take the sessional examinations.

*Undergraduate Lectures.*—The usual lecture courses for Final and Honours students were delivered in the Department of International Politics by Mrs. Vranek and myself. In the Final Class, a special course in Political Science has been instituted to serve as a preparation to students undertaking work in International Relations. Mr. E. G. Bowen, of the Department of Geography, kindly addressed the Honours class on "The Geographical Background of the British Commonwealth of Nations."

Besides the two registered students at the Final stage (both of whom passed the University Examinations) there were a number of students from other Departments who attended the lectures without taking the examinations. There were two Honours students: Mr. W. Howel Jones, of the

Department of Economics, who obtained Second Class, Division Two; and Mr. C. R. Williams, of the Department of History, who received Second Class, Division One.

*M.A. Theses.*—Of the four past students reported last year as being engaged in the preparation of M.A. dissertations, one, Mr. Penry Samuel, B.A., of Singapore, has finished his work on "The Origin and Evolution of the Assembly of the League of Nations" and was awarded the degree of M.A. on March 8th, 1935.

Another of our former students, Mr. A. W. Rees, B.A., has started research on "The Principles of Collective Security and the Concept of National Sovereignty."

*Departmental Library.*—The Library continues to expand in the three sections into which it had been re-arranged last year: (1) Modern History, (2) Political Science, and (3) International Relations. The growing collection of the documents of the League of Nations demands constant attention from the Secretary Librarian, Miss Morris. The Library is being extensively used by students in other Departments, particularly in Law, History and Economics.

*General.*—In August, 1934, I lectured on "Collective Security" at the League of Nations Summer School in Geneva. Throughout the session, I have represented the Department at the meetings of the British Co-ordinating Committee of International Studies, and, in June, 1935, I attended the Eighth International Studies Conference on "Collective Security" in London.

## MUSIC.

PROFESSOR DAVID DE LLOYD.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate B.A.	8	—	8	8
Subsidiary:				
B.A. .. ..	4	—	4	4
B.Mus. .. ..	2	1	1	1
Final B.A. .. ..	4	—	4	3
Hons. B.A. .. ..	3	1*	2	2
Music Diploma, 1st Yr. .. ..	2	—	2	2
Normals:				
(a) Ordinary Course .. ..	9	—	—	—
(b) Advanced Course .. ..	11	—	—	—
TOTALS .. ..	43	2	21	20

\*Died during progress of examination.

Solo subjects:—Violin, 13; 'Cello, 6; Singing, 10; Piano, 8; Organ, 2.



## DEGREE

*Arts.*—The students pursuing the Intermediate course were of average standard, calling for no special comment. The difficulty experienced in expressing their musical ideas in notation is still a matter of concern; to overcome this the training of eye, ear and hand necessitates unremitting attention.

This difficulty was not so marked in the case of the Subsidiary students whose work on the whole revealed a certain amount of facility in this respect. The Final students (pass grade) were persevering and hardworking, the standard attained by two of them in the June examinations justifying their pursuance of the Honours course next year.

The Honours class consisted of three students, two showing much promise. The failing health of one of the latter ended fatally on the first day of the examination. The other obtained a 1st Class Honours with special commendation from the External Examiner for his paper in musical composition. The remaining member of the class obtained 2nd Class Honours.

*Music.*—The Subsidiary B. Mus. student submitted good work during the session and satisfied the requirements of the June examination.

*Music Diploma.*—Two students pursued the first year course for the Diploma in Music, the one showing good general ability and the other much promise as an instrumentalist.

*Training Department Students.*—An increase in the number of students taking up the study of a solo subject, especially the violin, was an encouraging feature of the session. The classwork (advanced and ordinary) was good on the whole, but musical dictation and sight-singing are still serious obstacles which limit their musical outlook and seriously impair their efficiency as choralists.

*Instrumental.*

(a) *Violin.* These students fall into two groups: (i) Normal students (4th year) and (ii) students pursuing Violin playing as a supplementary course or sole subject of study. The former were mainly beginners and some of them made considerable progress. This would have been still more marked had such students availed themselves of the opportunities afforded them in their first year of entry into College. The second group, though it contained no one of outstanding ability, showed fair average proficiency.

The encouragement of ensemble playing among students is revealed in the existence of a student-quartet playing one hour a week under supervision (in addition to preparatory rehearsals); one violin (E. Lumley Jones), and one 'cello student (Mrs. A. B. Thomas) in a string quartet led by Mr. Hubert Davies; and one student Pianoforte Trio (under supervision during the Easter Term).

(b) The 'Cello students, though fewer in number, include several young players who are making steady progress in their work.

(c) Among the vocal students, one deserves special mention—Mr. Alban Jenkins.

The College Choral and Orchestral Societies continue to play their part and contribute their share in the general music-making of the College. Special practices have been arranged for the string section of the Orchestra,

(apart from full Orchestral practice held on Wednesday) with the purpose of making a special study of works for strings only and the performance of accompaniments to standard Concertos written for solo instruments. Some of these concertos, with members of the Staff as soloists, were played in the College concerts last session.

The Music Club maintains its strength, numerically and financially, and the concerts given during the session have been highly appreciated. The visiting artists during the session were: Jelly D'Aranyi, the Rothschild String Quartet, Roy Henderson, the Sylvan Trio, Bruce Flegg, Eline van Barentzen, Carys Davies and Feuermann.

The "At Homes" attract the usual circle of listeners, who, during the past session, were given opportunities of hearing performances of modern chamber works by Glière, Tanaiew, Glazounov, Borodin and Fauré, in addition to works from the classical repertoire.

Changes have occurred in the staff of the Department since my last report was submitted. At the beginning of the session Mr. Hubert Davies (Violin) was appointed in place of Miss Cooke. Mr. Davies thus renews his association with the College, to which he was appointed as Violinist in the original College Trio; the other members being Mr. Arthur Williams ('Cello), and the late Mrs. Arthur Williams (Piano).

At the end of the first term, Mr. Arthur Williams, to our great regret, sent in his resignation on the grounds of continued ill-health, thus severing his connection with the College he had served so faithfully and unselfishly for a period of 16 years, and depriving it, at the same time, of the invaluable services of an inspiring teacher and an outstanding artist.

The vacancy caused by Mr. Williams's resignation was filled by the appointment of Mr. Haydn Lewis, who, as a pupil of Mr. Williams, can be relied upon to fulfil his duties in a manner worthy of his master.

Miss Margaret Reid, who, among her many other activities in the cause of College music, played the Viola as a member of the College String Quartet, also left us during the Session. Her place, as a Viola player, was voluntarily undertaken by Mrs. Hubert Davies, a former student of the College. To her and Miss Esme Silver (2nd Violin), the Department is much indebted for their invaluable help, without which the performance of String Quartets would not be practicable.

To the members of the permanent staff—Mr. Clements, Mr. Allen and Mr. Hubert Davies—I once more gratefully acknowledge the assistance they have given me in carrying on the work of the Department.

## ART AND CRAFTS.

ACTING HEAD OF DEPARTMENT : PROFESSOR C. R. CHAPPLE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Elementary ..	59	—	—	—
Diploma in Art, 1st Yr. ..	2	—	2	2
Diploma in Art	3	—	3	2
Diploma in Craft	2	—	2	1
Intermediate ..	2	—	2	1
Subsidiary ..	2	1	1	1
<b>TOTALS</b> ..	<b>70</b>	<b>1</b>	<b>10</b>	<b>7</b>

This Department, almost at its beginning as a separate entity, suffered a very severe loss through the death of Mr. Dan R. Jones in the first term of the session and the College and his colleagues have lost a man of single-minded devotion to his work and a man of great capacity for unostentatious friendliness and helpfulness.

The development of Art in this College has not corresponded fully to his wishes, but its progress from the use of a few blackboards in the Examination Hall to a recognised University subject is some measure of the energy and devotion which Mr. Jones gave to his task. His unusual breadth of interest in all forms of Art and Craft was especially useful in an institution like ours, which is feeling its way both in the teaching of Art itself and in the relation of the subject to changing conditions in the schools.

We were extremely fortunate in having at this time the services of Mr. R. L. Gapper, B.Sc., A.R.C.A. It is difficult to speak in too high terms of the way in which he threw himself into the work, and this he did, not only out of loyalty to Mr. Dan Jones, but also because of his own essential interest in Art and its development. He has taken infinite pains to ensure the continuity of the work of the Department and its strong and healthy development.

The Department is specially indebted during a difficult year to Professor Barbier, Dr. Green and Miss Winstanley, who delivered lectures to the degree and diploma students in Art; Professor Barbier on "The History of Painting, Architecture and Sculpture," Dr. Green on "The Social Background of Craftsmanship," and Miss Winstanley on "Ruskin and his Teaching."

During the session, Dr. Viola, of Vienna, conducted an exhibition of Austrian children's work done at the school of Professor Cizek. He lectured to the students of the Art Department, the Training Department, and the teachers in the schools of the neighbourhood.

Shortly before his death, Mr. Dan R. Jones designed with that taste and appropriateness we had come to expect from him a memorial tablet to

the late Professor J. R. Ainsworth Davis. This tablet has been placed in the Geological Department, and was unveiled at the beginning of the Easter Re-union.

Mr. Gapper had the honour of preparing the illuminated address to be presented to Lord Davies as a part of the national testimonial to his work in the cause of Peace.

## LAW.

PROFESSOR T. A. LEVI.

### *Number and Classification of Students.*

Taking as a guide the petition presented to the Law Society for its grants in December, 1934, the following table shows the number of students and their classification.

Counting no one twice over, the total number of students who came under our tuition during the Session 1934-5 was 100. This is an increase over last year's aggregate. and the largest number yet recorded.

This number of 100 was made up of the following categories, as detailed to the Law Society :—

A.—Articled Clerks studying at the University College of Wales Central Wales Law School ..	5
Other Articled Clerks attending College Degree Courses .. .. .	2
Articled Clerks attending the North Wales Law School .. .. .	16
B.—Intended Articled Clerks attending the University College of Wales Law Courses .. ..	51
Practically all these were Ll.B. students, taking the full Ll.B. course.	
C.—Students reading for the Bar at the University College of Wales, Aberystwyth .. .. .	12
D.—Other categories of students, either taking the Ll.B. degree in full (six in number) or taking courses in Law for the B.A. degree (eight in number) .. .. .	14

It will be seen, therefore, that the main support of the Faculty of Law at Aberystwyth is still derived from students intending to become Solicitors or Barristers, and this fact must be taken into account in considering the subjects taught, and the degree of co-operation possible between the Faculty of Law and the other Faculties. Everything possible is done to encourage the study of Law and Jurisprudence as an educational subject and in preparation for the public service, but the number of students attending the classes for this purpose does not exceed 25 per cent. at any time, at least during the last three years.

### *Successes of Students.*

Out of seven Honours students, Mr. Winston Guthrie Jones obtained First Class Honours and was recommended for the Samuel Evans Prize. Mr. Clement Owen Jones also obtained First Class Honours. Three obtained Second Class Honours, and one Third Class Honours. One student withdrew his candidature.

Out of a Final Class consisting in the aggregate of about 21 students, all passed except four.

Out of a Subsidiary Class containing in all about 27 students, all passed except five; three of these had to postpone their examinations on the ground of ill-health, and will be examined in September.

Out of a Preliminary class numbering 14 students, all passed.

The remaining students at the College consisted of articled clerks and others, both Law and Arts students, who were not pursuing the full LL.B. course.

Among the successes of Aberystwyth students during the Session 1934-5 should be mentioned the following :—

F. W. Taylor, of St. John's College, Cambridge, obtained a First Class in the Law Tripos, Part II.

John Kenneth Jones obtained a First Class at the Bar Examination in Criminal Law.

Glanville Llewelyn Williams, who had taken the Bar Studentship, being alone in First Class Honours, obtained the Barstow Law Scholarship.

Miss Menna James, LL.B., a former Honours graduate in Law, passed the Solicitors' Final Examination.

This year being the fiftieth year of the publication of the *Law Quarterly Review*, a notable contribution was made to the Jubilee number of the *Review* by Dr. Edward Jenks summarizing the progress of Legal Education throughout the United Kingdom. In that article, Dr. Jenks makes a very favourable reference to the pioneer work of the University College of Wales in establishing and expanding legal education.

The Reports of Mr. J. Victor Evans and Mr. R. A. Wing on the work done at the North Wales and Central Wales Law Schools are appended.

### **NORTH WALES LAW SCHOOL.**

MR. J. VICTOR EVANS.

As usual, the first period from October to December was under the direction of Mr. Wing. During the second period, January to March, Mr. Winder gave lectures as follows:—To the Final Class, Lectures on Property and Equity, dealing in the main with the Law of Trusts. He also gave lectures on the Conflict of Laws. To the Intermediate Class he lectured on Criminal Law and the Elements of Personal Property, basing them in the main on the Volumes of Stephen, as recommended. The attendances at the classes were quite regular.

In both classes under my supervision from April to June, the attendance was full and regular. The maximum number in the Final Class as registered was seven, and in the Intermediate, eight. One member of the Final and three of the Intermediate did not attend for the summer term in view of their moving to London to join London Agents. Six, therefore, attended the Final and five the Intermediate, and in both the attendances were full and loyal throughout. In my opinion, both classes were of good average standard. The Intermediate Class, although not up to its predecessor of last year (the best Intermediate Class as yet), nevertheless, contained two members whose work and ability deserves a measure of special mention. I refer to Mr. Roland Jones of Llangefnï, and Mr. Askew

of Denbigh, who did particularly well in the discussions. The class did a substantial amount of written work (outside Class hours) which was satisfactorily carried out.

As to lectures, I gave (1) a course on the Law of Contract and dealt especially with the Statute of Frauds, and (2) a course on the Transfer of Interests in Personal Property with special reference to the Assignment of Choses in Action. I also gave two short "tutorials" on the elements of Procedure in the King's Bench Division.

The Final Class was of good average ability. Discussions were keen, much written work was done outside class hours, together with the drafting of pleadings—a work in which they displayed special interest. Very satisfactory answers were returned in the Test given to them at the end of the course. I gave lectures on the Law of Associations such as Partnerships and Companies, certain aspects of Agency, the Principles of the Law of Procedure in the High Court of Justice, and also upon the Law of Bankruptcy. A great deal of ground was covered, the members showing a splendid interest and response.

My colleague and I are agreed as to the need of better accommodation, if such can be found. I have already made inquiries as to the County Hall at Colwyn Bay, and recommend our removal there if it can be arranged.

Together with the Registrar of the University College of North Wales, I issued five certificates of attendance as requested and in accordance with the conditions of the Act governing our School of Law. In the recent examinations, two passed the Intermediate and two the Final Solicitors' Examination.

In conclusion, my general impression of this year's classes as a whole is a very favourable one. I was impressed once again by the keen response shown, and the willingness to work. Apart from what can be done to assist and direct the students in the matter of their immediate examinations, the effort to afford a measure of legal culture as well is most deeply appreciated by the classes. The students themselves have shown a marked appreciation of the efforts to meet both needs. The fact that some of them seek advice as to general legal reading outside the immediate one of their official examinations shows that they are alive to the advantages offered to them through the contact that these classes establish.

### **CENTRAL WALES LAW SCHOOL.**

MR. R. AMOS WING.

MR. J. VICTOR EVANS.

The classes organised by the above School were held during three terms of seven weeks each, on Friday afternoons at Aberystwyth.

One student enrolled as a member of the Final Class and three as members of the Intermediate Class.

Instruction was equally divided among Mr. J. V. Evans, Mr. W. H. E. Winder and myself. Tutorial supervision was given to the Final student in Conveyancing, Equity and Common Law. The student worked hard and, reading intelligently in conjunction with the discussions, he evidently profited much from the Classes.

Lectures for the Intermediate students were given, following Volumes II. and III. of Stephen's Commentaries upon Property Law and Common Law. All three students worked well and I would particularly commend the intelligent interest and industry of Mr. H. Bott, of Aberystwyth.

In conclusion, I would thank Mr. Evans and Mr. Winder for their co-operation in the work of the School and the College Office for its many services to the School.

### PURE MATHEMATICS.

PROFESSOR V. C. MORTON.

The number of students who entered for courses in the Department during the Session 1934-5 was 70. Their distribution is shown in the following table:—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	17	2	15	6
Subsidiary ..	23	5	18	14
Final .. ..	11	—	23	15
Hons. 1st Yr.	11	—		
Hons. 2nd Yr. ..	8	—		
Post-graduate ..	—	—	1	1
TOTALS ..	70	7	65	46

\*2 granted Intermediate.

The work done was satisfactory, especially that of the First and Second Year Honours Classes. The Second Year Honours Class was one of the best we have had for some years.

The following deserve special mention:—Subsidiary, Messrs. T. V. Davies and A. C. S. Pindar; Final and First Year Honours, Miss Peggy Davies and Mr. E. J. Richards; Second Year Honours, Messrs. E. T. J. Davies, J. G. Forbister and J. A. Jones, all of whom obtained First Class Honours.

Five students took Honours in Mathematics and three in Pure Mathematics. Three obtained First Class, three Second Class, First Division, and two Second Class, Second Division.

Mr. M. T. Chapple, who took First Class Honours in Pure Mathematics in 1932 and First Class Honours in Physics in 1933, and who has held a University Studentship, submitted, in candidature for the M.Sc. degree, a thesis on "Some congruences and a complex of Space Cubic Curves." The thesis contained considerable original work and was considered by the Examiners to be very good indeed.

At the beginning of the session, Miss D. S. Meyler, M.Sc., was appointed as assistant lecturer in place of Mr. W. G. L. Sutton. Miss Meyler, a specialist in Geometry, is also interested in the Theory of Functions and Applied Mathematics. She should be very useful indeed in the work of the Department, particularly in the carrying out of the combined Honours course in Pure and Applied Mathematics.

Miss Meyler and myself, in collaboration, have completed a paper on the Cubic Surface. This paper has recently been published in the *Journal of the London Mathematical Society*. Mr. M. T. Chapple is at present collaborating with me in the preparation of a paper on a system of space cubic curves. I am also working on a series of problems on curves in many dimensional space.

I take this opportunity of expressing my appreciation of the efficient help of Miss D. S. Meyler during the session. Once more I have very great pleasure in expressing my gratitude to Dr. D. R. Williams for his loyal and effective co-operation. A very great deal of the success of the year's work is due to his ability and enthusiasm.

### APPLIED MATHEMATICS.

MR. THOMAS LEWIS.

Grade.	No. of students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	4	1	4*	3
Subsidiary ..	12	—	12	9†
Final ..	12	—	13‡	9
Hons. 1st Yr. ..	4	—	—	—
Hons. 2nd Yr.**	5	—	5	5
Post-graduate ..	—	—	One external M.Sc. candidate.	(1)
TOTALS ..	37	1	34	26

\*One external candidate.

†One allowed Intermediate.

‡One external candidate.

\*\*Pure and Applied Mathematics.

With the exception of Mr. J. Grindley, this year's Intermediate Class was weak. This is only to be expected as it consists chiefly of those who have failed to satisfy the examiners at the Higher Certificate stage. It is to be hoped that the University entrance requirements will be changed in the near future so as to make this class unnecessary.

The Subsidiary Class did some good work and mention must be made of two outstanding students, Mr. T. V. Davies and Mr. A. C. S. Pindar, whose work throughout the session and in the examination was of a very high standard.



The work of the Final Class as a whole was satisfactory. Miss P. Davies and Mr. E. J. Richards obtained high marks in the examination.

There was no candidate for Honours in Applied Mathematics. This is due mainly to the fact that it must be preceded by Honours in Pure Mathematics, and students who are equal to the strain of a second honours course are generally prevented from taking it for financial reasons.

There were five candidates for Honours in Mathematics (Pure and Applied). They worked very well as a class and it was a real pleasure to meet them and discuss the difficult problems in the various branches of mathematical physics studied. Mr. J. A. Jones was placed in Class I., Miss M. Blackledge, Mr. T. Ll. Phillips and Mr. H. Thomas in Class II., division 1; Miss O. Richards in Class II., division 2.

Mr. J. A. Jones has been awarded the Rendel Medal for the Session 1934-35. Mr. J. V. Harries, who obtained first class honours in Pure Mathematics in 1933 and first class honours in Applied Mathematics in 1934, has been awarded a University Studentship.

Mr. W. T. Howell, B.Sc., submitted a dissertation for the degree of M.Sc. in January, entitled "Some properties of the solutions of Maxwell's equations in spherical polar co-ordinates, with special reference to concentration of energy flow in the electromagnetic field." The examiners reported favourably and the degree was awarded. The dissertation contained the results of original investigations by Mr. Howell, which is the more creditable because, although commenced under the supervision of Professor Schott some years ago, they were for the most part carried out while he was engaged on research work of another nature in connection with cotton fibres and materials. This work has both mathematical and experimental aspects and shows that the importance of a highly trained mathematician in industry is being slowly recognised.

Mr. Garstang is continuing his investigations into the motion of solids through viscous fluids and is also undertaking a detailed study of aerofoil theory and aerodynamics in general. Mr. Lewis has obtained some interesting results in electromagnetic field theory which will be published shortly. In addition, he has completed a paper on the motion of free particles in Milne's model of the universe. This work was undertaken after the publication of Professor E. A. Milne's book "Relativity, Gravitation and World Structure," which incorporates the substance of lectures delivered by the author at Aberystwyth in March, 1933. In this book Professor Milne puts forward a theory to explain the recession of the nebulae, which is an alternative to the "expanding space" theory. It is likely to give rise to much controversy.

Mr. Easthope, who was awarded a University Fellowship last year, is now working under the direction of Professor R. H. Fowler, Cambridge. He has made good progress in the quantum mechanical problems with which he is engaged. He has also published a portion of his M.Sc. thesis in the *Proceedings of the Royal Society* (A. Vol. 148, Feb., 1935) under the title: "On the electromagnetic fields due to variable electric charges and the intensities of spectrum lines according to quantum theory."

The head of the department wishes to express his thanks to Mr. Garstang for his co-operation in the work of the department at all stages.

## PHYSICS.

PROFESSOR GWILYM OWEN.

The number of students who entered for courses in the Department during Session 1934-35 was 60, a decrease as compared with the number for last session. Their distribution among the various grades is indicated in the following table. It is satisfactory to note that the number of Research students is increasing.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Acoustics ..	2	—	2	2
Intermediate ..	20	—	19	13
Subsidiary ..	18	1	17	14
Final and Hons. 1st Yr. ..	12	—	11	11
Hons. 2nd Yr.	5	3	2	} 1 Cl. I. 1 Cl. II. (i).
Research ..	3	—	—	
TOTALS ..	60	4	51	42

The students as a whole worked well and the examination results were satisfactory. In the Final Class all the candidates were successful in the examination.

The work of the following students is deserving of special mention :—

*Intermediate* : T. V. Davies, J. Grindley, D. C. E. Jones.

*Subsidiary* : A. C. S. Pindar.

*Final* : S. N. Davies, G. E. Roberts, F. H. Vanstone.

*Honours* : Edgar George, who was awarded First Class Honours.

*Postgraduate Research.*—The three students doing research work in the Department are making good progress with their work. I. Hefin Thomas, B.Sc., and W. J. Thomas, B.Sc., are working for the Ph.D. degree under my colleague, Mr. R. M. Davies; and I. Davies, B.Sc., is working under Mr. I. C. Jones. R. A. M. Bound, B.Sc. (Honours Chemistry, 1933, Honours Physics, 1934), has been awarded a University Studentship and will return to the Department next session to carry out research under the direction of Mr. D. A. Richards. Very satisfactory reports have reached me regarding the progress of Dr. E. Gwynne James and Mr. D. S. G. Lewis, M.Sc., who obtained their higher degrees last year and who hold positions with the General Electric Company and Messrs. Mullard and Company, Limited, respectively. Requests, in fact, have been made for men of the same calibre and training. I do not, therefore, anticipate any difficulty in obtaining positions with first-class industrial firms for our trained research students.

*Staff.*—Mr. D. Aneurin Richards, M.Sc., D.I.C., who was appointed to fill the vacancy caused by the resignation of Dr. Emlyn Stephens in 1934,

has now completed his first session's work on the staff, and has carried out his new duties with efficiency and enthusiasm.

*New Honours Laboratory.*—The new room which was kindly provided by the Council for the practical work of the Honours students has added greatly to the convenience and efficiency of the work. Our main need now is the provision of three or four small rooms for the research work of the post-graduate students. But it is difficult to see how these can be provided in our present quarters as every hole and corner is already utilised, even basement cellars and passages.

*Extra-Mural Work.*—The class conducted by Mr. R. M. Davies, under the auspices of the Extra-Mural Department, has successfully completed its third session. The subject studied this session was "Vibrations and Waves." The class holds its meetings in the Physics Theatre and the interest and attendance of the members have been well maintained. The average attendance was about twenty-three. Unfortunately, owing to pressure of other work, Mr. Davies will not be able to carry on with this excellent work any longer. I am glad to be able to state, however, that the work will go on as Mr. I. C. Jones has agreed to act as Tutor.

During the session public lectures were delivered by the Professor and staff at Aberystwyth, Aberllefenni, Rhydlewsi, Barry, Manchester, and Liverpool and other places. I also delivered a course of seven broadcast talks in Welsh to the schools of Wales on *Y Mawr a'r Bach yn y Greadigaeth*. This was the first series of school talks in Welsh on a scientific topic.

In conclusion, I wish to record my appreciation of the most valuable services rendered by my colleagues, Messrs. R. M. Davies, I. C. Jones, D. A. Richards and L. E. Sulston, and to express to them my sincere thanks for their loyal and efficient co-operation in the teaching and research work of the Department.

## CHEMISTRY.

PROFESSOR T. CAMPBELL JAMES.

The number of students working in the Department was 72, their distribution being as in the table below :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking * University Exams.	No. passed.
Intermediate ..	24	—	21	18
Subsidiary ..	20	4	16	14
Final and Hons., 1st Year ..	14	—	14	12
Hons. 2nd Year ..	7	—	7	6
Research Full-time .. ..	7	1	—	—
TOTALS .. ..	72	5	58	50

*Staff.*—Mr. J. Idris Jones, B.Sc., was appointed a part-time Assistant in the Department for the Session and gave valuable and efficient service.

*Intermediate Class.*—The lecture course was conducted by the Professor, assisted by Dr. Davies, who dealt with the Organic and tutorial work. The latter was also responsible for the practical classes in which Mr. Idris Jones gave valuable assistance. The class worked very well and a good standard was attained in the sessional examinations. Mr. D. C. E. Jones, Miss M. G. Powell and Mr. T. E. Williams did excellent work.

*Subsidiary Class.*—A lecture course in Organic Chemistry was taken by Mr. Hudleston, while Mr. Bury gave a course in Physical Chemistry and Dr. Davies in Inorganic Chemistry. Messrs. Bury and Davies conducted the practical classes. The general results were satisfactory; work of high standard was done by Messrs. R. N. Francis, Herbert Jones and T. V. Michael.

*Final Class.*—This class was of a general high level of ability and the work in the sessional examination especially was of exceptionally high standard. Lecture courses in Organic Chemistry were given by the Professor and in Physical Chemistry by Mr. Bury and Inorganic Chemistry by Mr. Hudleston, who also supervised the practical work. Messrs. G. Bowen, J. R. Evans and G. E. Roberts did work of particular merit throughout the session.

*Honours Class.*—The class consisted of seven members, five of whom pursued the Course for Honours in Chemistry and two the combined Course in Chemistry with Agricultural Chemistry. Lecture courses on special topics were given in turn by all the members of the Staff. Mr. J. Idris Jones, especially, gave valuable assistance by giving lectures and conducting discussions on modern Chemical theory. Mr. David Evans also helped the Department in his usual manner by conducting classes in German reading and translation.

The University examination results were as follows :—

*Chemistry.*

First Class Honours: Messrs. J. B. Bowen, C. E. L. Franklin, and T. White.

Third Class Honours: Miss Megan E. Jones.

*Chemistry with Agricultural Chemistry.*

Second Class Honours (Division 1): Mr. J. S. Hopkins.

Second Class Honours (Division 2): Mr. W. K. Pugh.

*Higher Degrees.*—Mr. J. Idris Jones, B.Sc., presented a thesis entitled "Studies in the Cinnamic Acid Series: The Bromination of m-Methoxy Cinnamic Acid," in June, 1935, and was granted the M.Sc. degree. (Work done in collaboration with the Professor.)

Mr. G. A. Parry, B.Sc., presented a thesis entitled "Densities of solutions of soaps and analogous compounds," in June, 1935, and was awarded the M.Sc. degree. (Director of research, Mr. Bury.)

Mr. J. Pryce Jones, B.Sc. (Chemist to Messrs. Reckitt's, Hull), presented a paper (already published) entitled "Thixotropy" and was granted the M.Sc. degree.

*Research work proceeding in the Department.*—During the session all members of the Staff and eight post-graduate students have been actively engaged in research work. Mr. Mansel M. Davies (University Studentship),

Mr. R. Redd (Garrod Thomas Fellowship), Mr. R. J. Owens (Thomas Davies Scholarship, 1933-34), Mr. J. Pincott and Mr. G. A. Parry (Glamorgan County Scholar) have worked under the direction of Mr. C. R. Bury. Mr. J. V. Davies worked with Mr. Hudleston; Mr. T. T. Jones with Dr. Gwynne Davies; Mr. T. White with the Professor. A number of papers (titles recorded elsewhere) have been published in the *Journal of the Chemical Society*.

A considerable amount of analytical work has been conducted in the Department in connection with the work of the West Wales Rivers Pollution Sub-Committee on the pollution of local rivers.

*Special Lecture.*—Dr. L. N. H. Cooper, of the Marine Biological Research Laboratory, Plymouth, delivered a lecture in April, 1935, on "Some Chemical and Biological Aspects of Sea-water."

*Appointments.*—Mr. G. A. Parry left the Department during the session on appointment to a post as chemist under the War Department, and Mr. T. M. Evans (Subsidiary Class) to take up a commission in the Royal Air Force.

The Professor desires to record his appreciation of the co-operation of his colleagues, Messrs. C. R. Bury, L. J. Hudleston, D. G. Davies and J. I. Jones in the work of the Department.

## ZOOLOGY.

PROFESSOR R. DOUGLAS LAURIE.

The number of students working in the Department during the session was 85, distributed as follows :—

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Agric. Diploma (Zoology) ..	9	—	7	6
Biology Diploma (Zoology) ..	1	—	1	1
Intermediate ..	31	1	28	20
Subsidiary ..	20	—	20	17
Subsid. Agric. Zoology ..	1	—	—	—
Final 2nd Year and Honours, 1st Year ..	13	—	12	12
Honours, 2nd Year* ..	7	—	7	7
Research ..	3	—	4 (M.Sc.)	4
<b>TOTALS ..</b>	<b>85</b>	<b>1</b>	<b>79</b>	<b>67</b>

\*This includes 1 candidate who took Zoology (including Agricultural Zoology).

*Agricultural Diploma Course.*—This class was conducted by Dr. Gwendolen Rees. The class worked satisfactorily, Mr. R. Probert Davies and Mr. Kenneth Williams being worthy of special mention.

*Biology Diploma Course.*—One student, Miss I. M. R. Radcliffe, pursued the course, dividing her time between the Departments of Botany and Zoology. She passed the Zoology portion of the examination.

*Intermediate Course.*—The class worked satisfactorily on the whole. Mr. H. M. David, Mr. E. G. Davies, Mr. D. E. Edwards, Mr. Herbert Jones and Mr. T. E. Williams are worthy of special mention.

*Subsidiary Course.*—The class worked satisfactorily. Mr. W. M. R. Evans, Mr. J. B. Jones, Miss D. J. Heppell and Miss E. M. Brown are worthy of special mention.

*Subsidiary Agricultural Zoology Course.*—One student pursued this course, but did not sit for the examination.

*Final Course.*—The class worked well, and all passed the examination. Miss Morva Bowen, Miss Thelma George, B.Sc., and Mr. D. H. Evans all deserve special mention.

*Honours Course.*—Dr. E. E. Watkin and Dr. J. R. E. Jones supervised the Entomological portion of the work, Dr. Gwendolen Rees the Helminthology, Dr. E. E. Watkin the Hydrobiology, and I the Genetics. The seven candidates worked well. Miss Ellen Jones, B.Sc., and Mr. L. J. McHardy obtained a First Class, Miss Eira Margaret Gwynn and Mr. Thomas Walker were placed in the First Division of the Second Class, and Miss Gwyneth Evans, Miss Dilys M. Lewis and Mr. William A. Weale, B.Sc., were placed in the Second Division of the Second Class.

*Research.*—Mr. D. P. Jones, B.Sc., has been working, under a grant from the Department of Scientific and Industrial Research, on the Dip-terous Pests of Grasses and Cereals.

Mr. T. I. Davies, B.Sc., has been making a survey of the Helminth Parasites of Birds in the Aberystwyth area. A paper on "The Anatomy of *Dilepis undula* (Schrank, 1788)" has been accepted for publication in the *Proceedings of the Zoological Society*, Part III., 1935. He has gained the degree of M.Sc. this June, and has also been awarded a grant from the Department of Scientific and Industrial Research.

Mr. W. J. Rees, B.Sc., has been carrying out studies on the larval trematodes of *Littorina littorea* and a paper on "The Anatomy of *Cercaria buccini*, Lebour, 1911" has been accepted for publication in the *Proceedings of the Zoological Society*, Part II., 1935. He has been awarded the degree of M.Sc. this June.

Mr. D. C. Lloyd, B.Sc., has spent this session at the Imperial Institute for Entomological Research, Farnham Royal, where he has been working on a problem related to the biological control of insect pests. His note on "The Random Distribution of Parasite Progeny" was published in *Nature* on March 23rd, 1935. He has been awarded the degree of M.Sc. this June for work carried out at Aberystwyth last session on Grass Disease of Horses, with special reference to the incidence of the disease in South Wales.

Miss Mabel Owen, B.Sc., who has been continuing her work on in-dwelling Sand Fauna of the Dovey Estuary, while occupying teaching

posts, has submitted a thesis on "The Faunal Communities of an Inter-Tidal Plain," for which she has been awarded this June the degree of M.Sc.

Dr. J. R. E. Jones has continued his work on the effect of dissolved metallic salts and has published a paper on "The Toxic Action of Heavy Metal Salts on the Three-spined Stickleback (*Gastrosteus aculeatus*)" in the *Journal of Experimental Biology* for April, 1935.

Dr. Gwendolen Rees has been continuing her work upon parasitic Helminths and has a paper on "Two New Species of Tachygonetria from the Indian Tortoise, *Testudo horsefieldi*, Gray" accepted for publication in the *Proceedings of the Zoological Society*.

The Department gave again this year at the invitation of the Department of Education a short course of lectures and laboratory work on the biological foundations of hygiene to the fourth year students in training as teachers.

Dr. Watkin again conducted a course in Biology in connection with the Educational Handwork Association Summer School in Aberystwyth during the Long Vacation.

It is expected that a party of staff and students of the Department will visit places of biological interest in Spain and Portugal during the coming Long Vacation. Seven students of the Department have been fortunate in obtaining Travelling grants for this purpose.

*Appointments of Former Students.*—Mr. D. Dillwyn John, M.Sc., formerly on the scientific staff of the "Discovery," has been appointed Assistant Keeper of the Echinoderm Collection at the British Museum, and Mr. E. E. Edwards, M.Sc., formerly on the staff of Harper Adams Agricultural College, has been appointed Advisory Zoologist at the University College of South Wales and Monmouthshire, Cardiff.

*Gifts.*—I thank various donors for gifts made to the Department during the session. These include a valuable collection of British Birds in cases from Sir Arthur Harford, of Falcondale, Lampeter; a Bittern in a case from Mr. Ivor Evans, Carregwen, Aberystwyth; two volumes of the New Sydenham Society publications from Professor T. Campbell James; two useful tables from Mr. R. Norman Jones, of Aberystwyth; and a specimen of *Chaetopterus variopedatus* from Professor F. Rogers Brambell, of the University College of North Wales, Bangor.

Miss Blodwen Williams has continued to prove herself a very conscientious and capable Laboratory Steward. Under the conditions of a greatly enlarged Department, however, it is not possible for one person to cope with all the work, and it is hoped that the assistance of a Laboratory boy may be secured for next session.

In conclusion, I thank my colleagues, Dr. E. Emrys Watkin, Dr. Gwendolen Rees and Dr. J. R. E. Jones, for their helpful co-operation in the affairs of the Department generally. Also the best thanks of the Department are due to Mr. T. I. Davies, Mr. D. P. Jones and Mr. W. J. Rees for voluntary part-time teaching assistance.

## BOTANY.

PROFESSOR LILY NEWTON.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	30	1	25	16
Subsidiary ..	30	—	30	27
Final ..	19	—	19	18
Hons. 1st Yr. ..	4	—	4	4
Hons. 2nd Yr. ..		—	4	4
Post-graduate ..	4	3	2	2
TOTALS ..	87	4	80	67

The students of the Intermediate Class have done good work ; the following deserve special mention :—Mr. D. E. Edwards, Mr. Herbert Jones, Mr. E. G. Davies.

The Subsidiary Class as a whole has maintained an exceptionally high standard throughout the Session, Mr. A. Radcliffe, Mr. G. P. Hughes and Miss Heppell deserving special mention.

In the Final and First Year Honours Classes the work has been uniformly good and only one student failed in the Final examination. Of the Second Year Honours students, the work of Miss G. N. Davies was very good and she obtained a First Class in the June examinations.

Miss E. A. Lewis and Miss M. C. Hooper obtained the degree of M.Sc. in January last.

*Field Work.*

Field excursions have been held for students of all grades and in April an excursion to London was arranged. All the First and Second Year Honours students attended, and visited the Royal Botanic Gardens, Kew, Chelsea Physic Garden, the John Innes Horticultural Institution and the Rothamsted Experimental Station. Through the kindness of Sir Daniel Hall visits, which the students greatly appreciated, were also made to the Royal Horticultural Society's gardens at Wisley and to the Spring Show of that Society.

During the Easter vacation I had the opportunity of joining an expedition to Southern Dalmatia, arranged by Dr. W. B. Turrill, of Kew, who is an authority on the flora of the Balkan Peninsula. Spring plants were at their best and I was able to collect both fresh and herbarium specimens for the Department.

*Botany Garden.*

This year it has been possible to erect a small green-house on a plan suggested to us by Sir Arthur Hill when he visited the College as a member of the University Grants Committee. As a result, we have raised a number of plants from seeds given to us by other Botanical Gardens. This is of especial value because it increases so considerably the range of plant forms with which the students can become familiar.



*Research Staff.*

I have continued my experimental work on the lead mines at Goginan with a view to ascertaining whether a band of vegetation at the base of the mine dump would act as a filter bed for surface water and remove the lead it contains.

Various algological problems have been kept under observation and a paper is being prepared for the *Journal of Botany*.

Mr. E. H. Chater has grown *Suaeda maritima* under various conditions to determine the constancy of several so-called soil-forms which, it is thought, are probably distinct species. He is also studying the salt-tolerant vegetation in the Rye district with special reference to the effect of periodic submergence under sea-water of formerly reclaimed land.

Mr. P. W. Carter has studied the development of the gemmae of the moss *Ulota phyllantha* and their subsequent growth. He has also carried out cultural work on the germination of the spores of various brown seaweeds.

Miss Hubbard has studied the life-history and development of the fungus *Ascobolus denudatus* with special reference to its nuclear behaviour and with a view to elucidating the sexual behaviour of this fungus and others belonging to the same group. She is also investigating the nuclear behaviour of dwarf plants of Rye grass, in conjunction with Dr. Jenkin of the Plant Breeding Station.

*Postgraduate.*

The late Mrs. Campbell James had begun an investigation of the plant-remains of the submerged forest at Borth for correlation with the submerged peat on other parts of the British coasts. It is hoped that it may be possible to make the data available for other workers in this field.

*Miss M. C. Hooper* (Fisheries Board Grant).—Miss Hooper has carried out an investigation to ascertain whether the actual presence of lead is the main cause of the paucity or absence of vegetation in the vicinity of lead mines.

*Miss E. A. Lewis* (Brecon County Scholar).—Miss Lewis has made a survey of a marked portion of the shore at Aberystwyth to ascertain the times of sporing of a number of seaweeds which might provide food for oyster larvae. In the course of the work a number of new seaweed records for Wales have been established. The work was carried out at the request of the Conway Fisheries Research Station.

*Miss M. J. Reese* (Keeling Scholarship and Department of Scientific and Industrial Research Grant).—Miss Reese has made an investigation of the micro-flora of the Melindwr and the Rheidol, two non-calcareous streams, above and below the source of pollution by lead mine effluent. The work was undertaken partly at the request of the Fisheries Board, for comparison with the work carried out by the Board's investigators on a calcareous stream in the North of England.

*Undergraduate Theses.*

Each of the Honours students has carried out a piece of independent work. Miss G. Owen has collected plants of *Salicornia* from the counties of Cardigan, Caernarvon and Glamorgan. A duplicate set has been sent to the British Museum (Natural History) where Mr. A. J. Willmot is carrying out an extensive research on the genus. By arrangement with the Imperial Forestry Institute at Oxford, an investigation of the effect of the recent May frost on forest trees in this locality has been undertaken.

*Staffing.*

I wish to record my appreciation of the work and co-operation of the staff during the year and to make special mention of the valuable service rendered by Mr. Carter in dealing with the departmental library. Miss Hubbard leaves us at the close of the session to take up a post at the Derby Training College. Her work has been admirable and we shall miss greatly all the help she has given so willingly in the department. I should also like to mention the service which Miss M. J. Reese has given whenever the occasion has arisen.

*Acknowledgments.*

I am indebted to J. B. Willans, Esq., for gifts to the library and for having given the Honours students the privilege of visiting his grounds and arboretum. Dr. Salter's many kindnesses are a continual source of pleasure and encouragement to us all.

*In Memoriam.*

The passing of Mrs. Campbell James has been a serious loss to the Department. First an undergraduate, then a member of staff and more latterly a research student, Mrs. James knew every corner of the Department and had watched its fabric grow from small beginnings. This is not perhaps the place to speak of the loss to science which the cessation of her research entails, but I wish to record my grateful appreciation of her ever-ready help and her unfailing interest in our daily work.

*Publication by former member of staff* (using references and library in the Department).

*Dr. J. H. Salter.*—The flowering plants and ferns of Cardiganshire. University Press Board, 1935.

*Publications by students*

*Mr. D. D. Gupta.*—On the isolation of single spore cultures. *Transactions Brit. Mycol. Soc.* January, 1935.

*Miss M. J. Reese.*—The micro-flora of the Melindwr above and below the sources of pollution by lead-mines. Serial report of the Ministry of Agriculture and Fisheries. No. 510.

**GEOLOGY.**

PROFESSOR HERBERT P. LEWIS.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	33	2	31	28
Subsidiary ..	19	3	16	14
Final ..	7	—	7	7
Hons. 1st Yr. ..	—	—	—	—
Hons. 2nd Yr. ..	1	—	1	1 (Class I.)
Post-graduate ..	1	—	—	—
<b>TOTALS</b> ..	61	5	55	50
Any other special Classes:—				
Agric. Diploma	5	—	—	5
Geomorphology Course, 2nd Year ..	43	—	—	—

*Agricultural Diploma Course.*—This class was held in the Michaelmas Term and worked well.

*Intermediate Course.*—The number of students in this class was seventeen less than it was in the previous session. The work was of good quality and Miss J. H. Davies and Mr. E. G. Davies are worthy of special mention.

*Subsidiary Course.*—Considered generally, the ability shown by this class was higher than it has been for some years at this stage. Mr. W. J. Kilner, Mr. G. D. T. Jones and Miss M. Saunders deserve special mention. Forty-three students of Final grade in Geography attended the lectures in Geomorphology during the Michaelmas Term.

*Final Course.*—The work done by this class was on the whole somewhat disappointing. There were no failures in the Degree examinations. Mr. S. L. A. M. Lewis is worthy of special mention.

*Honours Course.*—Mr. G. H. Daniel worked very well throughout the session and obtained First Class Honours.

Field excursions were held throughout the year and were well-attended. During the Easter vacation a week was spent in the study of the Geology of the Dolgelly district and of the country near Llangollen.

Dr. J. S. Lee, Professor of Geology in the University of Peiping, gave a public lecture in January on "The Problem of Recent Climatic Changes in China, with some remarks on the Peking Man," while Departmental lectures by Dr. F. J. North, Keeper of Geology in the National Museum of Wales, on "The Constitution of Coal," and by Mr. M. H. Donald, M.A., on "The Swedish Iron Fields" were also much appreciated.

*Research.*—Mr. A. W. Woodland, B.Sc., who gained First Class Honours in Geology last session, has made excellent progress during the year with his research on the petrography of the Manganese Shales of North Wales under my direction. He has been awarded a grant from the Department of Scientific and Industrial Research to enable him to proceed with this work next session. I have a publication in the Press on "The Carboniferous Corals of Nova Scotia."

*Gifts.*—I make very grateful acknowledgment for gifts to the Department to M. H. Donald, Esq., M.A. (minerals from Cumberland), T. E. Owen, Esq. (photographs), and J. B. Willans, Esq., J.P. (a volume).

I welcome this opportunity to accord to my colleagues, Mr. J. Challinor and Mr. J. I. Platt, my sincere thanks for their loyal help and efficient service.

## GEOGRAPHY AND ANTHROPOLOGY.

PROFESSOR C. DARYLL FORDE.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Subsidiary ..	62	3	58	46
Final and First Year Honours	61	2	54	47
Second Year Honours ..	16	1	15	15
Post Graduate ..	1	—	—	—
TOTALS ..	140	6	127	108

There was a further small increase in the number of students taking courses in the Department during the Session. The very large Subsidiary class of the previous year led to an unusually large Final and First Year Honours group in the present session. The size of this group and the number of applications for admission to Honours courses is putting a severe strain on the accommodation, as well as on the teaching strength of the Department; a strain which will be still more marked in the coming session in consequence of the very large Second Year Honours group, which will reach nearly thirty in number. The provision of library facilities and drawing office space for classes of this size is extremely difficult with our present accommodation.

The revised scheme of work in the Department came into operation this year, although certain adjustments had to be made for this first, transitional session. The results in the Subsidiary class are distinctly promising. The nucleus of an Honours class of high standard in two years' time was apparent, and the following students did very good work: Misses J. H. Davies, M. K. Edwards, M. Saunders, Messrs. A. G. Davies, W. D. Jones, W. J. Kilner, E. J. Morgans, B. C. Thomas, D. L. Wakefield. Over thirty-five members of this class have applied for admission to the First Year Honours course in the coming session.

There was an unusually large proportion of passes at the Final examination and several candidates reached an exceptionally high standard; these included Messrs. B. N. Davies, R. T. Gethin, E. Phillips, S. L. A. M. Lewis, D. T. H. Price. The following also did very good work: Messrs. T. A. Davies, W. R. Davies, J. M. Jones, G. H. Thomas, R. G. Willetts.

Field surveying classes were arranged in connection with the Final practical work. These had not been held during recent years owing to the large size of classes, but by a system of grouping and rotation which involved most of the staff of the Department, it has been possible to resume them. Their value was immediately apparent and they are really indispensable to efficient teaching.

In the Second Year Honours class, Miss R. F. Phillips, who has maintained an unusually high standard throughout her career, was placed in the

first class in the Degree examination. Misses M. R. Collins, O. Leeding and Messrs. D. M. P. Jones and C. D. J. Trott also did very good work throughout the Honours course and in the Degree examinations. The dissertations presented maintained the high standard of recent years; those of Miss Phillips, Miss Leeding and Mr. D. M. P. Jones were particularly good.

Mr. R. J. Lloyd Jones, B.Sc., has been working as a research student in the Department during the present session on the "Economic Geography of the Bristol and Bath Coalfield."

Visiting lecturers during the session included :—

D. Trevor Williams, Esq., Lecturer in Geography, University College, Swansea.

Dr. F. J. North, Keeper of Geology in the National Museum of Wales, Cardiff.

Dr. E. E. Evans Pritchard, Professor of Sociology in the Egyptian University.

Lectures to University and other societies have been given by members of the staff of the Department at Oxford, Cambridge, London, Aberdeen, Chorley, Ashton-under-Lyne, Carmarthen, Port Talbot, Barmouth, Machynlleth, Fairbourne and Fishguard.

Mr. W. E. Whitehouse is to take charge of the geography section of the Wiltshire Teachers' Vacation Course in Regional Survey.

Mr. E. G. Bowen has continued his extra-mural course at Aberdyfi, will give a further course at the Kent Education Committee Summer School, Ramsgate, and has conducted a field excursion to South-West Wales for the Department of Geography, the University, Birmingham.

Mr. W. Fogg spent the Easter vacation in North Africa making preliminary investigations, at French Government Headquarters and in the field, for the research work concerning the rural suqs of Morocco, on which he is engaged.

Several valuable gifts and loans of ethnological and archaeological specimens have been received during the past session, notably from the National Museum of Wales, the Manchester Museum, and from T. W. Proger, Esq.

The second season's work on the Pen Dinas Hill Fort has made it possible to elucidate the various periods of construction, and an approximate dating of the main occupation has been obtained. A further season's work is required to complete the investigation of the site. Thanks are again due to many members of the staff and Governors of the College, and to former students for their support of this work. As before, a number of students in the Department took an active part in the excavations.

The most cordial thanks are again due to my colleagues for their co-operation and energetic work throughout the session.

### **EXTRA-MURAL STUDIES.**

DIRECTOR: THE REVEREND HERBERT MORGAN.

As the statistical summary shews, 17 Tutorial Classes and 23 Extension Courses were held during the session. The total represents an increase of one class as compared with the previous session. One of the Extension Courses was maintained without Board of Education grant. There was also a short pioneer course of seven meetings at St. David's.

*Tutors.*—Of the 30 tutors employed, two were staff-tutors, 11 were members of various College departments, two had charge of three classes each and there were 15 other tutors in charge of single classes.

*Counties.*—See summary. It was a disappointment that the arrangements for a class at Llandrindod fell through despite the praiseworthy efforts of local sponsors. It is hoped to find an opening in Radnorshire next session.

*Subjects.*—These may be grouped as follows:—Literature, 15; Social Studies, 12; Welsh Studies, 13; History, 4; Music, 3; Science, 2; but this classification obviously involves a certain amount of cross-division. It is interesting to note that Law figured as a subject for the first time and that a second experiment in the teaching of Science was made by the holding of a course in Physics—this time at Cardigan.

The lowest attendance figure was 59 per-cent., and as many as 34 classes made attendances varying from 70 per-cent. to 90 per-cent. When all the circumstances are taken into account this is a gratifying record. Classes naturally varied as regards numbers and enthusiasm, but, taken as a whole, the standard of the work was well maintained. The main difficulty, as always, was to obtain written work from diffident students or from those who had many other calls upon their time.

*Summer Schools.*—Summer School bursaries have been awarded to 27 students, most of whom will pursue courses at Coleg Harlech. These short courses of intensive study are of great advantage to extra-mural students.

*Registered Students.*—Total, 732. There were also others in fairly regular attendance at some centres, but no account of them has been kept. This year's total of registered students shews an increase of nine as compared with last session's record.

*Other Activities.*—There was a rally of West Wales students at Carmarthen on November 24th, when the Principal delivered an address to a good muster drawn from places as far apart as Cardigan and Llanelly. The usual Summer gathering of students was held at the College on June 8th, when an address was again given by the Principal and a musical programme was given by members of the Department of Music. A conference of Tutors was held at the College on May 24th-25th, at which His Majesty's Inspector (Mr. T. Owen) was present.

Day-schools were also held in Carmarthenshire.

*In Memoriam.*—Two losses by death have to be recorded. Principal Owen Prys was one of those mainly responsible for initiating the Extra-mural work of the College and he served as Chairman of the Tutorial Classes Committee for many years until ill-health compelled him to resign. Our debt to him for his constant encouragement cannot be adequately expressed.

Professor Stanley Roberts conducted one of the first Extra-mural classes organised by the College and gave a much-appreciated address at the Annual Rally in 1934, on the eve of his retirement.

*Co-operation.*—The department owes an ever-increasing debt of gratitude for the services rendered by Local Education Authorities, the National Library and the various County Libraries, and by class secretaries. In conclusion, I should like to thank the tutors for loyal co-operation. Some new tutors who had no previous experience of this kind of work rendered valuable service.

County.	Centre.	Course.	Subject.	Students.		
				Men.	Women. Total.	
Cardigan.	Aberaeron	Extension.	Political Theory	13	4	
	Aberystwyth	"	Physics	18	—	
	Beulah	Third Yr.	Economics	11	1	
	Cardigan	Extension.	Physics	20	4	
	Glandyfi	"	Ethics	14	10	
	Llandyssul	"	Music	11	7	
	Llanilar	Third Yr.	Biblical Literature	10	4	
	Llechryd	Extension.	Life and Literature in Modern Wales	12	7	
	Lledrod	"	Welsh Literature	10	2	
	New Quay	"	English Literature	4	16	
	Rhydyppennau	"	Church History	11	11	
	Swyddffynnon	"	Welsh Literature	13	8	
	Velindre	"	Music	10	6	
	Carmarthen.	Carmarthen	First Yr.	Biblical Literature	9	11
		Carway	"	History of Political Thought	18	2
		Ffairfach	Extension.	Introduction to Contemporary Politics	16	2
		Llandebie	Second Yr.	History of Political Thought	22	—
Llanelly		Third Yr.	Music	6	5	
Llangadog		Extension.	Economics	8	3	
Llangel		First Yr.	Welsh Language, Literature and History	9	15	
Llanybyther		Third Yr.	Welsh Literature	8	3	
Newcastle Emlyn		Extension.	Welsh Literature and History	14	10	
Pontyberem		First Yr.	Sociology	19	—	
Merioneth.		Aberdyfi	Second Yr.	Human Geography.	15	9
		Barmouth	Extension	Welsh History	12	6
		Dinas Mawddwy	Second Yr.	Ethics	14	10
	Pennal	Second Yr.	Economics	8	10	
	Towyn	Extension.	Law	16	—	
					237	180

County.	Centre.	Course.	Subject.	Students.			
				Men.	Women.	Total.	
Montgomery.	Cemmaes ..	Extension.	New Testament Literature ..	12	9	144	
	Churchstoke ..	"	Rural Economics ..	19	—		
	Llanbryn-mair ..	Second Yr.	Welsh Literature ..	7	6		
	Llanfyllin ..	Extension.	Welsh Literature ..	11	3		
	Llangynog ..	Third Yr.	Economic and Financial Problems ..	9	1		
	Maclynlleth ..	First Yr.	Biblical Literature ..	14	10		
	Newtown ..	First Yr.	Welsh Literature ..	13	5		
	Trefnanney ..	Extension.	Rural Economics ..	25	—		
				144			
	Pembroke.	Dinas Cross ..	Extension.	Welsh History ..	10		6
Haverfordwest ..		Fourth Yr.	Political and Social Literature ..	12	7		
Milford Haven ..		Extension.	International Relations ..	11	6		
Penffordd ..		"	Welsh Literature ..	10	9		
			71				
			TOTAL			732	
SUMMARY.							
County.	Classes.			Students.			
	Tutorial.	Extension.	Total.	Men.	Women.	Total.	
CARDIGAN ..	2	11	13	157	80	237	
CARMARTHEN ..	7	3	10	129	51	180	
MERIONETH ..	3	2	5	65	35	100	
MONTGOMERY ..	4	4	8	110	34	144	
PEMBROKE ..	1	3	4	43	28	71	
			17	23	40	504	
						228	
						732	



## THE CRAFT GALLERY.

BY THE CURATORS.

Visitors to the Gallery will undoubtedly be struck by the congestion of the exhibits, which makes a satisfactory display rather difficult. This is due, on the one hand, to the growth in the number of exhibits during recent years, and, on the other, to the fact that the Gallery is not at present fulfilling one of the important functions for which it was founded, namely, the distribution on loan of exhibits to the secondary schools of the district. In this latter respect the Gallery falls short of having the cultural value for which it was originally intended, and it is greatly to be hoped that some scheme may be developed soon for the encouragement of this policy.

It is satisfactory to note, however, that the number of persons who visit the Gallery is steadily increasing. Last session, for example, the Gallery was visited by scores of students and by many hundreds of visitors to the town; students taking classes in the Art Department continually make use of it, and in April last they had the privilege of being personally conducted round the Gallery by Mr. S. K. Greenslade, who discussed with them in detail various groups of exhibits.

For several years past loans of etchings, woodcuts, etc., have been made to Alexandra Hall and to the women's common room at the College.

During the session some 250 etchings and woodcuts, representative of the best modern schools, were exhibited on the walls of the Gallery.

The two new cases, which were ordered last session, are now in use and add greatly to the convenience of display.

The additions to the Collection of Prints are as follows :—

Tiber Island	..	..	..	T. A. Osborne.
Portrait of an Old Lady	..	..	..	Paul Drury.
Litany	..	..	..	Robert Austin.
Moonrise over Blaven	..	..	..	B. Eyre Walker.
The Devil's Bridge—Kirkby Lonsdale	..	..	..	Kenneth Steel.
Infant Joy	..	..	..	Nora S. Unwin.
Landscape	..	..	..	John Taylor Arms.
„	..	..	..	Leonard Squirell.

We have also six very interesting Early English water-colour drawings, viz., two by John Warwick Smith (1749-1831), one by Samuel Hieronimus Grimm (1733-1794), one unattributed, but possibly by Joseph Farrington (1747-1821), and two by Alfred Elmore (1815-1881).

There are many important additions to the Collection of Pottery :— A very fine salt glazed figure—A Peasant Madonna—by Adrian Allinson; a collection of fourteen pieces from the kilns of Martin Brothers of Southall. We have also several of the latest examples from the Lancastrian Potteries, as well as three pieces of high temperature Stoneware from the kilns of Messrs. Carter, Stabler and Adams, of Poole, Dorset.

Eleven pieces have been added to the Collection of Old English Glass, and these include some very good examples of Bristol glass.

In the Folk-craft section the additions include the following :—

- Three slip-ware dishes.
- Three turned wooden bowls and stand.

The curators would be very grateful for any gifts of Native Craft for exhibition in the Gallery.

## LIBRARIES.

MR. ARTHUR AP GWYNN, LIBRARIAN.

The College Libraries, General, Science, and departmental, continue to serve the interests of readers, and there is evidence of increased use of them. This is due, undoubtedly, to the policy of heads of departments in urging students to read more widely than the exact limits of the syllabuses prescribe.

In view of this it is somewhat surprising to find that fewer books have been borrowed during the session through the Regional Libraries Scheme for Wales and Monmouthshire and the National Central Library than were borrowed during the last session (33 against 45). It may be mentioned in this connection also that very many more books have been lent this session through these channels than during the last session (99 against 32). It is gratifying to find that the resources of the Library are being thus made available to a larger body of readers. The clerical work involved is, however, heavy and makes increasing demands on the time of the staff.

A scheme has been drawn up for the collecting and preserving of documents relating to the history of the College. Several collections of such material have been discovered in various places in the College and the work of gathering these together and submitting them to a preliminary examination is in progress. MSS. and printed matter of the first importance had already, in past years, been collected and preserved in the Library; but the material now being examined is of considerable interest and value. It may be appropriate here to add that any further papers, MSS., photographs, prints or any other material bearing on the history of the College which may be in the hands of persons interested in the College would be greatly welcomed.

## STATISTICS.

Volumes dealt with during the year :	already in Library	21
	accessions ..	2,257
Pamphlets dealt with during the year	.. .. .	695
		<hr/> 2,973
Books issued to readers—General Library	(term) ..	10,717
	"                  " (vacation) ..	1,973
Books issued to readers—Science Library	(term) *..	1,194
	"                  " (vacation) ..	327
		<hr/> 14,211
Number of borrowers for vacations—General Library	..	559
	Science Library ..	118
		<hr/> 677
Books borrowed through Regional Libraries Scheme and National Central Library	.. .. .	33
Books applied for, but not available	.. .. .	4

Books lent through Regional Libraries Scheme and National Central Library	99
Books applied for to the U.C.W. Library, but not available for loan	38
Number of Catalogue Slips sent to the Union Catalogue, Regional Libraries Scheme for Wales and Monmouthshire	26,686

#### Donations.

Gifts of books and periodicals have been received during the session from the following donors :

Carnegie Endowment for International Peace, Paris and Washington (11 volumes); David J. Davies, Esq., School House, Havering-at-the-Bower, Romford, Essex (12 volumes on Breton language and literature, presented to the Welsh Department of the College); Harvard College Library and Harvard University (5 volumes in the *Studies in Classical Philology* and the *Studies in English* series); University of Wales Registry, Cardiff (40 University theses and works); Professor T. Campbell James presented a collection of books from the library of the late Mrs. T. C. James to the Department of Botany (51 books and 27 pamphlets); Professor R. I. Aaron, U.C.W., Aberystwyth; Aberdeen Public Library; Aberdeen University; Agricultural Economic Research Institute, Oxford; Nina Almond and R. H. Lutz, Stanford University, U.S.A.; Anglo-German Academic Bureau, London; Archangel'sk Institute of Forestry; Reverend J. R. Ardill, Elphin, Ireland; Army Sport Control Board, War Office, London; Banff Education Committee; Mrs. Adrienne Beck, Vienna; Alexander Belch, Esq., London; Sir Harold Bellman, London; Welsh Department of the Board of Education; British Academy; British-Continental Press, Ltd., London; British Museum; British Museum (Natural History); R. P. Byers, Esq., London; Cadbury Brothers, Ltd.; Cambridge University School of Agriculture; Canadian Bank of Commerce; Carnegie Trust for the Universities of Scotland; Carnegie United Kingdom Trust; Chiswick Press, Ltd.; Colne, Lancashire, Public Library and Museum; Columbia University, New York, Teachers' College; Commonwealth Fund; H. J. Coolidge, Esq., Jr., Harvard; Copper Development Association; Council for the Preservation of Rural Wales; Czechoslovak Legation, London; Czechoslovakia, Office de Statistique; Miss Sarah H. Davies, Swansea; W. Arthian Davies, Esq.; Discovery Committee, London; Messrs. L. M. Ericsson, Stockholm; Messrs. Hugh Evans and Sons, Ltd., Liverpool; Principal Ifor L. Evans, U.C.W., Aberystwyth; Field Museum of Natural History, Chicago; Firth-Vickers Stainless Steels, Ltd., Sheffield; Flint County Medical Officer; Flora's League, London; Professor C. Daryll Forde, U.C.W., Aberystwyth; W. D. Faulke, Esq. (through the Oxford University Press); The French Ambassador, London; The Friends of Europe, London; Sir Stephen Gaselee, Foreign Office; His Grace the Archbishop of Wales (Dr. C. A. H. Green); Harvard College Library; Hawaii Agricultural Experiment Station, Honolulu; Hendon Public Libraries; Messrs. Alfred Herbert, Ltd., Coventry; Sydney Herbert, Esq., U.C.W., Aberystwyth; Mrs. W. A. S. Hewins; E. B. Hicks, Esq., U.C.W., Aberystwyth; The High Commissioner for New Zealand; The Highland and Agricultural Society of Scotland; The Honourable Artillery Company, London; The Honours Law Class, 1934-35, U.C.W., Aberystwyth; L. J. Hudleston, Esq., U.C.W., Aberystwyth; C. I. Hutchins, Esq., Hove; The Imperial Economic Committee, London; L'Institut botanique

de Tiflis; Institute of Chemistry, London; International Congress of Eugenics, Washington, 1932; Jamaica, Director of Agriculture; Professor T. Campbell James, U.C.W., Aberystwyth; The Japanese Financial Commission, London; T. Iorwerth Jones, Esq., Teddington; Miss Arabella Kenealy (through Messrs. John Bale, Sons, and Danielsson, Ltd.); Clifford King, Esq., Brighton; King Edward VII. Sanatorium, Midhurst; Professor Douglas Knoop and G. Peredur Jones, Esq., Sheffield University; Thorvald Kornerup, Copenhagen; Lille University; Macdonald College, Ste. Anne de Bellevue, Quebec; Chas. G. Matthews, Esq., Borth; Humphrey Milford (Oxford University Press); Professor E. A. Milne, Oxford; Ministère de l'Agriculture, Station de Zoologie Agricole du Nord-Ouest, Rouen; University of Minnesota; The Montgomeryshire Society, London; Dr. R. Owen Morris, Aberdyfi; The Musical Association, London; National Board for Travel in Spain, Madrid; National Central Library, London; National Library of Wales; National Museum of Wales; National Publishing Company, Philadelphia; New Education Fellowship, London; New York State University; Ministry of Education of Northern Ireland; The Open Door Council, London; Geological Survey, Department of Mines, Ottawa; Morris Parry, Esq., Chester; Messrs. Paul, Trench, Trubner and Co., Ltd., London; Professor L. M. Penson, London; Pilgrim Trust, London; Port of London Authority; Reverend E. Worthington Powell, Lyndhurst, Hampshire; Director of Census, Pretoria; University of Pretoria; H. Selwyn Price, Esq., Lampeter; Messrs. Quaderverlag G.m.b.H., Berlin; University of Queensland, Brisbane; Reverend G. H. Rendall, Dedham, Essex; Rhodesia Chamber of Mines, Bulawayo; Ernest B. Roberts, Esq., Toronto; the late Professor T. Stanley Roberts; Henry Munroe Rogers, Esq., Boston, Mass., U.S.A.; The Rubber Growers' Association, London; R. E. Savage, Esq., Lowestoft, and A. C. Hardy, Esq., Hull; Herman Schneider, Esq., University of Cincinnati; Secretary of State for India; Sir Henry Jones Memorial (through the Secretary, Cecil Williams, Esq., London); Constantin P. Sorotchinsky; G. Spiller, Esq., Greenford, Middlesex; Department of Agriculture, Tanganyika Territory; Toronto University; Messrs. Trueman and Knightley, Ltd.; Messrs. Tuborg Breweries, Ltd., Copenhagen; Guild of Graduates of the University of Wales; N. Hardy Wallis, Esq. (through the University of London Press); W. H. Waters, Esq., Abertillery; The Wellcome Chemical Research Laboratories, London; The Welsh Agricultural Organization Society, Ltd.; The Welsh Folk-Song Society; The Welsh Mountain Sheep Flock Book Society; Professor E. J. Wood, U.C.W., Aberystwyth.

Calendars and prospectuses have been received from the following Institutions:—

Aberdeen University; Armstrong College, Newcastle-upon-Tyne; Auckland University College; Bangor, University College of North Wales; Battersea Polytechnic; Bedford College for Women, London; Birkbeck College, London; Birmingham Central Technical College; Birmingham University; Brighton Technical College; Bristol University; Brünn, Masarykova University; Cambridge University Correspondence College; Cambridge University Library; Canterbury University College, Christchurch, New Zealand; Cape Town University; Cardiff, Welsh National School of Medicine; Carnegie Institute of Technology, Pittsburgh; Chelsea Polytechnic; Coleg Harlech; College of Preceptors; Colorado University; Columbia University; Cork University College; Dublin, Trinity College; Dublin, University College; Durham University; Edinburgh

University; Exeter University College; Glasgow, Royal Technical College; Glasgow School of Social Study and Training; Hague, Académie de Droit international; Hannah Dairy Research Institute; Harper Adams Agricultural College; Hull University College; Imperial College of Science and Technology, London; Iowa State College of Agriculture; King's College, London; Latvia University; Leeds University; Leicester University College; Liverpool University; London School of Economics and Political Science; London University; University College, London; London University—School of Librarianship; Lund University; McGill University, Montreal; Manchester College of Technology; Victoria University of Manchester; Melbourne University; Nagpur University; National University of Ireland; North of Scotland College of Agriculture; Nottingham University College; Oslo, Kongelige Frederiks Universitet; Princeton University; Queensland University; Reading University; Rensselaer Polytechnic Institute, Troy, New York; Royal Holloway College; St. Andrews University; St. David's College, Lampeter; Saskatchewan University; University of South Africa, Pretoria; Southampton University College; University of Tasmania; Toronto University; University of Wales; Westfield College, London.

The energetic and capable co-operation of Miss E. Ceinwen Felstead, Miss E. M. Harris, and Miss N. Meredith is once again gratefully recorded.

### HALLS OF RESIDENCE FOR WOMEN STUDENTS.

SENIOR WARDEN: MRS. K. GUTHKELCH.

The chief concern in the Halls of Residence for the Session 1934-35 was the news that Plynlymon Hall was to be closed after the session ended—a decision of the College Council made necessary at last by the original unsound economic condition of the house and the gradual influence of the depression in trade on the numbers of women students. This change means that Alexandra Hall will house those of Plynlymon students who had not finished their College course by June, 1935, and that a large number of empty rooms at Hall will once again be put to use. It means, also, and most sadly, the loss of Mrs. Hart, its Warden when it opened tentatively in October, 1926, and during the nine years it has continued. Our loss is a heavy one; the world of women students and her colleagues will miss her very greatly, and my personal loss is only counterbalanced by my gratitude for her helpfulness and loyalty all these years. With her guidance, Plynlymon Hall developed a personality and character of its own to which its students became justly attached, and which they will sorely miss. Mrs. Hart may rest assured that the young women who spent years under her care will have received permanent help from her influence, and will have been helped to play their part in life.

The Session 1934-35 passed quietly, happily and healthily for the residents in the three hostels. Alexandra Hall was visited by Sir Walter Moberley, Chairman of the University Grants Committee, in June, 1935, and—like the other members of the Committee on their visit a year before—he expressed satisfaction with it. As to health, it has been a remarkably good year, and the consistently good condition of the women examination candidates in June, as contrasted with that of the non-resident men candidates, was noticed by all concerned with the sessional examinations. It made them realise afresh how essential for good results in scholarship it is for students to have a comfortable, healthy, and disciplined life, a dignified and beautiful environment, wholesome regular meals, and constant care when health even threatens to fail. If for no other reason than this sensible behaviour during the strain of examinations, the existence of

hostels would be justified : as it is there is much more for which residence stands—a breadth and experience only possible where students have such full opportunities as community life affords for social intercourse with their seniors, with distinguished visitors, and with each other. Again I offer my warm thanks to Miss Macgregor and Mrs. Hart for their co-operation, and to my assistants at Alexandra Hall.

I append a list of Conferences and tenants entertained during vacations and a summary of the numbers in residence as the Session 1934-35 began.

- Alexandra Hall* : 1. National Young Life Campaign (5 weeks, July-August, 1934).  
 2. Board of Education Short Course for Teachers of History in Welsh Secondary Schools (Easter, 1935).  
 3. Scholarship Candidates (Easter, 1935).
- Carpenter Hall* : 1. Short Course for Clergy of the Diocese (5 days, June, 1934).  
 2. Workers' Educational Association, West Riding Branch (5 weeks, July-August, 1934).  
 3. Teaching Practice Students and Supplementary Examination Candidates (September, 1934).
- Plynlymon Hall* : 1. National Young Life Campaign (3 weeks, July-August, 1934).  
 2. Board of Education Refresher Course for Elementary School Teachers (5 days, Christmas, 1934).

The number of women students in residence at the beginning of Session 1934-35 :—

Alexandra Hall	.....	125
Carpenter Hall	.....	47
Plynlymon Hall	.....	44
		216

### OFFICERS' TRAINING CORPS.

MAJOR H. F. STIMSON, T.A. RES.

*Establishment.*—Three Officers ; 120 Officer Cadets.

*Strength.*—Three Officers ; 88 Officer Cadets.

#### *Training.*

(a) GENERAL.—The improvement reported last year has been maintained.

(b) SPECIAL.—An intensive course of training was held at the end of the spring term and was attended by three Officers and 55 Officer Cadets. Several tactical exercises were held, which proved of great help during annual camp.

(c) MUSKETRY.—The visits to Machynlleth have been well attended and the standard of shooting is steadily improving.

#### *Annual Training.*

The annual camp was again held at Weymouth and all ranks had an enjoyable time, both at work and at sport. The following is a copy of the report by Colonel H. J. Simson, who inspected the Contingent on Friday, 19th July.

**DRILL.**—Only ceremonial and march past in fours was inspected. The drill was good, Officer Cadets were steady in the ranks, arms drill satisfactory, marching in fours very good. The parade was most satisfactory, having been rehearsed only once, thereby saving time for other training.

**MANOEUVRE.**—One platoon and one machine gun section were tested by means of a tactical exercise without troops, covering company and platoon in an advanced and platoon in the defence. The standard of knowledge was sound and very satisfactory.

**DISCIPLINE.**—Very good. Keeness and good spirit noticeable.

**TURN-OUT.**—Very good. A few safety catches were forward and some belts and equipment not fitted precisely. Equipment brasses were polished throughout. For consideration: whether web equipment itself should not just be scrubbed thoroughly and left without blanco.

**ARMS AND EQUIPMENT.**—Very satisfactory. Some sets of webbing showing signs of age.

**GENERAL REMARKS.**—Camp lines very good. The Contingent fulfils the purpose for which it exists. The Officer Cadets are a good stamp, with satisfactory basic knowledge, capable of being sound junior officers. A tendency to vagueness in statement could be improved by thinking of orders, for example: "In these circumstances, my orders would be ——" There is a general tendency to lack of security by keeping a platoon too closed up in open country, approaching an enemy not precisely located. Scouting sections seldom far enough ahead in open country.

#### *Certificates.*

Thirteen candidates passed the practical examination for Certificate "A" and 17 passed Certificate "B" practical in camp. The total number of certificates held by Cadets at present serving with the Contingent is now 28 "A" and 11 "B". The Cadets who passed the part I. practical test in camp will sit the part II. theory test in November this year.

#### *Officer Cadet Reserve.*

With few exceptions, all qualified cadets have joined the Officer Cadet Reserve.

#### *Sport.*

In the cross-country race, held in camp, the Contingent was successful in supplying the 1st, 3rd, 4th and 8th men home. In the relay race, which we won, the team gave a fine performance against very strong opponents.

#### *Officers.*

Dr. D. Gwynne Davies has completed his initial training with the Regular Army and has obtained Certificate "A." Mr. T. E. Garstang has completed the first part of his initial training and has also obtained Certificate "A."

#### *Clothing.*

The issue of khaki shorts for Annual Training not only added to the comfort of the Cadets, but it will also add to the life of the ordinary uniform.

#### *Acknowledgment.*

The Commanding Officer wishes to place on record his appreciation of the support which has always been given to him by the members of the Military Education Committee, the Principal, Vice-Principal, Mr. E. B. Hicks and Professor T. Campbell James.

## AGRICULTURE.

PROFESSOR J. JONES GRIFFITH.

The numbers of students taking courses of study in the Agricultural Department during the past session were as follows :—

*Degree Course :—*

1st Year	..	..	..	..	..	11
2nd Year	..	..	..	..	..	17
3rd Year	..	..	..	..	..	14
4th Year	..	..	..	..	..	4
Postgraduate	..	..	..	..	..	19

*Diploma in Agriculture :—*

1st Year	..	..	..	..	..	1
2nd Year	..	..	..	..	..	5
3rd Year	..	..	..	..	..	8

*Diploma in Dairying :—*

1st Year	..	..	..	..	..	11
2nd Year	..	..	..	..	..	11

Short Course in Agriculture	..	..	..	..	..	21
Continuation Course in Agriculture	..	..	..	..	..	14
Short Course in Dairying	..	..	..	..	..	19
Special Course in Dairying	..	..	..	..	..	1
Students taking other special courses	..	..	..	..	..	2

*Degree Course.*

Fourteen students pursued the Final Stage of the degree course. One of these was unable to take the final examination owing to a breakdown in health. All the others except one were successful at the examination. Six or seven of them attained a very high standard with the work and they should make excellent students for their Honours Courses next session.

The work of students taking the subsidiary course was on the whole quite satisfactory, but there were a few members of this class whose knowledge of practical agriculture was rather deficient and arrangements have been made for them to gain additional experience on farms during the summer vacation.

*Agricultural Diploma Course.*

In this group there were a number of students who did good work in all subjects included in their course. Five members of the final class qualified for the College Diploma and three of our students were successful at the Final Examination for the National Diploma in Agriculture.

*Short and Continuation Courses in Agriculture.*

There was a greater number than usual attending both of these courses. The great majority of these students return home after completing the course to continue with practical farming as their career. It should be mentioned also that the quality of work done by students pursuing these courses during the past session was better than usual.

*Dairy Courses.*

There were more students pursuing the various courses in Dairying than has been the case for several years. This is probably due to the fact that for some years there have been good openings in commercial dairying,



and also in some other lines, for students who have successfully pursued a College Course in Dairying. The majority of students taking dairy courses attained a very satisfactory standard with their work and the following receive special mention :—Miss Muriel Davies, Miss Annie Harries and Miss J. A. Tudor.

#### *College Farm.*

The work of the College Farm was carried on along lines which proved to be satisfactory from both the commercial and the educational point of view. It is found that students generally make every effort to visit the farm as often as possible. In the case of Diploma and Short Course students, it is possible to arrange the time table so as to provide for the necessary free periods for them to be at liberty to visit the farm fairly often, but in the case of some of the degree students the number of hours devoted to lectures and laboratory work is such as to make it difficult for them to take full advantage of the organised farm classes.

During the summer a considerable number of farmers visited the farm and appeared to be keenly interested in the work generally, and especially in the rotational grazing, production of silage and the semi-market-gardening type of management adopted in connection with the root crop.

Once more I welcome the opportunity of acknowledging the whole-hearted interest taken in the work by all members of the staff and the loyal co-operation of the staff of allied departments.

### AGRICULTURAL BOTANY.

MISS KATHLEEN SAMPSON.

The number of students taking courses during the Session 1934-35 was as follows :—

Research and advanced courses .. ..	3
Degree : Honours .. ..	2
Subsidiary .. ..	11
Diploma in Agriculture : 1st year ..	1
2nd year ..	5
3rd year ..	7
Diploma in Dairying : 1st year ..	12
2nd year ..	8
Continuation course in Agriculture ..	14
Short course in Agriculture .. ..	21
	84

#### *Diploma.*

The quality of the work done by the Diploma students was usually well up to the average standard. Kenneth P. Williams deserves special mention. Five students were awarded the College Diploma in Agriculture and three the National Diploma in Agriculture.

#### *Degree.*

The subsidiary class included several very good students, among whom may be mentioned John Denis Thomas, Gerald P. Wibberley and John R. Griffiths. Ten entered for the sessional examination and nine passed.

At the Honours stage, Henry Edmunds worked well throughout the session and was placed in the first division of the second class. He proposes to specialise in grassland problems and to work next session under the direction of Mr. William Davies.

Six students are assisting, for different periods of the summer vacation, members of the staff of the Welsh Plant Breeding Station and are again indebted to Professor Stapledon for the loan of his bungalow as a "camp."

The department is also indebted to the following members of the advisory and research staff who have given lectures and helped students in various ways :

- Mr. D. Walters Davies, B.Sc. (Applied Mycology).
- Captain R. D. Williams, M.Sc. (Genetics and Plant Breeding).
- Mr. E. T. Jones, M.Sc. (Oats).
- Mr. William Davies, M.Sc. (Grassland Agronomy and Plot Technique).
- Mr. W. E. J. Milton (Grassland).

#### *Past students.*

The following appointments have been made :--

- Mr. R. B. Ferro, Assistant, St. Ives Research Station, Bingley, Yorks.
- Mr. E. L. Harry, Special Marketing Assistant, Department of Agricultural Economics, University College of Wales.
- Mr. T. Emlyn Jones, Agricultural Representative, Messrs. Imperial Chemical Industries, Limited.
- Mr. R. G. Walker, with the Cannock Agricultural Company, Cannock, Staffs.

#### *Library facilities.*

Staff and advanced students have again received considerable assistance from the officers of the Bureau of Plant Genetics, but students of lower grade still lack adequate facilities for obtaining books and periodicals.

#### *Research.*

Mr. P. T. Thomas has made an excellent beginning in his study of the cytology of certain intergeneric and interspecific crosses in the Gramineae, material of which has been generously provided by Dr. T. J. Jenkin.

Mr. J. H. Western, who holds a Ministry of Agriculture research scholarship, has made good progress in his work on the histology of infection in certain oat varieties by selected biological species of smut. He has also carried out experiments on their culture from single sporidia and attempted to obtain hybrids. Arrangements are now complete for Mr. Western to spend the third year of his scholarship at Minnesota, U.S.A., working under Dr. Stakman.

Dr. Ellison has undertaken some cytological work on oats, using material which Mr. E. T. Jones kindly placed at his disposal from plants used in his own genetical studies.

In connection with his advisory work, Mr. D. Walters Davies is investigating areas in this district where potatoes can be isolated in order to obtain stocks of seed free from virus diseases. To provide information of value in the same connection, a collection of potato varieties has been grown in the experimental gardens on the Llanbadarn Road.

Continuing my own work on systemic infection in grasses, I have this season studied in culture the *Lolium* endophyte and another fungus which invades in a somewhat similar manner Perennial rye-grass.

In conclusion, I desire to express my thanks to Dr. W. Ellison, who has given loyal and valuable help in all affairs of the department during this, his first, session at Aberystwyth.

## AGRICULTURAL CHEMISTRY.

PROFESSOR T. W. FAGAN.

The number of students attending the classes in the Department during the Session was ninety-nine, a very considerable increase on that of the preceding session. The following table gives the distribution of the students among the various grades:—

Research .. .. .	2
Honours .. .. .	2
Degree Final .. .. .	4
Degree Subsidiary .. .. .	20
Diploma Course in Dairying .. .. .	22
Diploma Course in Agriculture .. .. .	14
Continuation Course in Agriculture .. .. .	14
Short Course in Agriculture .. .. .	21
	99
	—

### *Research.*

The two research students have made good progress with their work. Mr. W. M. Ashton, B.Sc., is now in possession of considerable data for the purpose of comparing the newer varieties of oats bred at the Welsh Plant Breeding Station with those commonly grown in our area. This comparison is mainly concerned with their suitability for our climatic conditions, chemical composition of grain and straw and milling properties. In addition, Mr. Ashton has made an extensive examination of the influence different methods of preserving grass (Ensilage) has on the chemical composition of the product.

Mr. Stephen Williams, B.Sc., has been engaged in estimating the nutritional value of weeds common in pastures and arable land that are known to be consumed by stock.

### *Honours.*

The two Honours students during the Session covered a wide field and showed a keen and live interest in their course. They wrote excellent essays and carried out sound work in the laboratory. Both were successful in their examinations—Mr. John Stephen Hopkins obtaining Second Class Honours, Division 1, and Mr. William Kenneth Pugh Second Class Honours, Division 2.

### *Degree Final.*

This proved to be an exceptionally good class. All four students did excellent work and were successful in passing their examination. One, Mr. Jenkin Russell Evans, in spite of the fact that he underwent a severe operation shortly before the examination, wrote excellent papers and carried out practical work of outstanding merit.

### *Degree Subsidiary.*

The number attending this class was larger than usual, partly owing to the increased entrants for the degree course in agriculture, and partly because several students were prevented from taking their subsidiary course in Agricultural Chemistry in the previous session owing to time-

table difficulties. All applied themselves whole-heartedly to their work during the Session, and with one exception were successful in the examination. The work of Mr. Stuart Mathias Taylor in this class calls for special mention for the high level it attained throughout the Session in both the written and practical.

*Diploma Course in Dairying.*

The increase in number attending this course, which has been quite marked of late years, was maintained. The work of the class generally was satisfactory, while that of Miss Annie Harries deserves special mention. A number of students attending this course should do well in factory work where manipulative proficiency in the laboratory is becoming of increasing importance. Of the three students who presented themselves for examination for the National Diploma in Dairying, two were successful in Chemistry.

*Diploma Course in Agriculture.*

The students at each stage of the Diploma Course made very good progress and the work of Messrs. Sydney Gwyn Davies and John Trefor Thomas is worthy of mention. Five completed the College Diploma and all who sat for the National Diploma in Agriculture were successful in Agricultural Chemistry.

*Short Course and Continuation Course in Agriculture.*

The short course class showed a marked increase in number as compared with last year, and it is encouraging to be in a position to report that the standard attained was higher than in previous years. The majority had already attended classes in Chemistry at School—an advantage reflected in the progress made. Over sixty per-cent of the students who attended the Short Course returned in the Lent Term to take the Continuation Course. Many of these show promise of giving a very creditable account of themselves.

The research work carried out during the Session included :—

- (a) The continuation of field experiments on *Molinia* and *Fescue* areas in co-operation with Mr. W. E. J. Milton of the Welsh Plant Breeding Station.
- (b) Pot experiments on the phosphatic nutrition of grasses on upland soils.
- (c) The nutritive value of weeds common to pastures and arable land that are known to be consumed by stock.
- (d) The influence of different methods of preserving grass (ensilage) on the chemical composition of the product.
- (e) The chemical composition of the grain and straw of the newer varieties of oats bred at the Welsh Plant Breeding Station, their milling properties and suitability for our climatic conditions.

In conclusion, I desire to express my warmest thanks to my colleague, Mr. R. O. Davies, for his loyal help and ready co-operation in all branches of the work of the Department.

## AGRICULTURAL ECONOMICS.

PROFESSOR A. W. ASHBY.

Grade.	No. of Students registered at beginning of Session.	No. withdrawn during the Session.	No. taking University Exams.	No. passed.
Intermediate ..	—	—	—	—
Subsidiary ..	—	—	—	—
Final ..	2	—	—	2
Hons. 1st Yr. ..	—	—	—	—
Hons. 2nd Yr. ..	—	—	—	—
Post-graduate ..	5	—	—	—
TOTALS ..	7	—	—	2

Only two undergraduates were registered in the Department, and both passed the Final Examinations. Five students were registered for post-graduate degrees, three candidates for M.Sc. first year, one for Ph.D. first year, and one for the Diploma in Rural Science. All of them have made satisfactory progress. My colleagues, Messrs. J. Pryse Howell, M.Sc., and J. H. Smith, B.Sc., have given instruction to Short and Continuation Course and Diploma students in the Agricultural Department, the former in Farm Organisation and Management and the latter in Book-keeping. Messrs. J. H. Smith, J. Pryse Howell, and W. H. Jones, M.Sc., also conducted the usual courses in the School of Agriculture, University College of North Wales, Bangor. Mr. E. Llewelyn Harry, Mr. W. H. Jones, and Mr. J. H. Smith have assisted with the special teaching in the Department, and the two former with the guidance of post-graduate students.

*Staffing.*

Miss Dorothy Davies, Statistical Assistant, left the Department on the occasion of her marriage after several years of skilled and highly valued service. The position has been filled temporarily by the engagement of Mr. J. R. E. Phillips, B.A., a former student of the Economics Department of the College. For the purpose of conducting additional work in costing milk production, Messrs. H. E. Evans, B.Sc. (Bangor, U.C.N.W.), and J. D. Griffiths, Dip. Agric. (U.C.W.), have been engaged on a temporary basis.

*Research and Investigation.*

Financial accounts are being kept for more than 70 farms. An analysis of accounts of a group of farms unchanged during the last five years, giving a detailed measure of the agricultural depression and some of its effects, has been published. A fairly complete analysis of all the accounts kept since 1928-29 has also been made and results are in use for advisory and other purposes. Accounts are also kept for 45 poultry enterprises, some of a specialised character and others on general farms. An effort to ascertain costs of beef production has been made, but so far with rather unsatisfying results, although the records obtained will be useful.

In September the College was requested to take part in a national endeavour to ascertain the current costs of milk production, and to obtain records for at least 60 farms in Wales and Monmouth. Over 70 farmers

have co-operated in this work, 70 records have been completed in detail for the Winter Period, and the full quota of accounts has been delivered. This is the first occasion on which a national effort to ascertain the costs of production of an agricultural product has been organised and it is satisfactory that the Welsh part of this effort has been successful in the first period.

The investigation of milk consumption in the Rhondda Valley, mentioned in the last report, yielded exceedingly detailed and valuable information. The field work of a survey of meat consumption in the same area has been completed recently, and interesting and useful results are expected. A plan for keeping continual records of consumption, indicating changes, is being developed.

*Joint Scheme—Co-operative Investigation and Advisory Work.*

Special investigations of accounts of dairy societies have been completed. An analysis of accounts of all "requisite" Societies was made and an individual report sent to each society. Two very successful Conferences were held in October and May and at both the urgent matter of prices and markets for store stock was given special consideration. Special attention has been given to problems of marketing milk and milk products in Wales, especially in those districts in which butter-making has been customary, but much attention has also been paid to eggs and poultry. Replies have been given in all cases of special enquiries and all requests for advisory visits have been met.

*General Advisory Work.*

Altogether, members of the staff have given 50 lectures in different parts of Wales, apart from the special classes listed below. I have delivered 12 lectures in 10 counties of England. The number of other meetings with organisations or their committees in Wales, outside the College, has reached 33. One class of seven meetings was conducted by Mr. Harry at Truchrug, Cardiganshire. Messrs. Harry and Jones also conducted classes under the Extra-Mural Department at Churchstoke, Montgomeryshire, and Beulah, Cardiganshire, respectively.

As usual, an exhibit was taken to several agricultural shows, including the Royal Welsh. On the whole, the contacts of members of the staff with farmers and their organisations are of an intimate and practical character. They have been very well maintained during the year.

*Personal.*

In the early part of 1935 I received an invitation to become a member of the Milk Reorganisation Commission for Great Britain, appointed to review the working of the various Milk Marketing Schemes, and with the consent of the College Council I was able to join the Commission. This naturally reduces my current activities in the Department, but there is no danger of its general work suffering undue contraction. I have to record my appreciation of the keen service of my colleagues in all branches of the work of the Department. We still suffer as we have always suffered from poverty of office accommodation, but we now have hopes that a remedy for this disability will be found.

*Publications.*

A list of publications is attached. As a result of the "cut" of 1931, which has in large part continued, we still suffer from inadequate resources for purposes of publication, but efforts are being made to obtain funds for the adequate transmission of results of investigations and research to all persons to whom they may be of value.

## WELSH PLANT BREEDING STATION.

DIRECTOR: PROFESSOR R. G. STAPLEDON.

After the disturbing period referred to in last year's report, the Station has settled down to its normal work. The loss of revenue, necessitating a decrease of staff, has naturally affected the amount of work carried out and has caused the discontinuance of certain important lines of research.

It may be useful under present circumstances to recall that, particularly in so far as herbage plants for pasture purposes are concerned, the Station has throughout been doing pioneer work. The main object has been, and still remains, the production of improved strains both in herbage plants and in oats. This was relatively easy in the case of herbage plants, since it was soon discovered that a great initial improvement was possible by means of gross rather than refined methods. It was realised, however, that further improvement would be more difficult, and that therefore the rough-and-ready methods which were entirely effective when great improvements were possible could not indefinitely be employed when it became necessary to improve still further. This stage had already been reached in oat breeding, so that in this department the main difficulty has been to produce new strains which are, say, five per-cent better than the best standard variety, and to develop a technique of testing which will demonstrate this superiority.

In the case of the herbage plants, it was not necessary, in order to obtain the initial improvement, to study the genetics of the plant material involved, nor was it necessary to have an elaborate technique to demonstrate the superiority of the new strains under field conditions. But it was realised that sooner or later a point must be reached where an altogether finer technique must be employed. Consequently, methods were developed which would enable us to study plant material genetically on the one hand, and to determine small differences in the results obtainable from different strains under field conditions on the other. In addition, the problem of the seed supply of these new strains to the farmer arose, and this has involved both the study of methods for the increase of small stocks and also of seed production on a commercial basis.

The work during the year under review has, therefore, been concerned with all these aspects of plant breeding. The results cannot be judged by the actual number of new strains produced. In fact, as far as strain production is concerned, the general aim is to reduce the number of new strains of any one particular species as much as possible since a multiplicity of strains, even apart from the difficulty of testing them thoroughly, is likely to lead to confusion. The general aim, therefore, is by re-selection and more detailed study to improve still further those strains of herbage plants already established. Such work cannot in any particular year be expected to yield startling results, but the effect is cumulative.

The genetical studies of plant material proceed side by side with strain building, and in fact are already regarded as essential aspects of the latter. The continued study of the inter-relationship of species and genera appears to have a more remote connection with the production of new strains, but these have already proved of great practical importance in relation to seed production.

The established strains produced by the Station are becoming more widely known and more accessible to the farmer. Samples have for several years been distributed in this country and seeds have also been sent to many other parts of the world. Reports from different countries and from very different situations have been very favourable, and it is interesting to note that enquiries and orders for one particular strain of Timothy, \$50, from North America have this spring been very heavy. This is entirely in consequence of the favourable results obtained for this strain in the United States and in Canada. It is not to be expected, however, that in these

countries the demand for seed of this strain will continue indefinitely since the seed will probably be harvested in those countries themselves once the strain has been established there.

The general problem of seed production and seed distribution on an adequate basis for commercial purposes in this country remains unsolved. Several of our strains reached the hands of farmers this last spring through the hands of certain enterprising seed firms, who advertised them at reasonable prices, but a still wider distribution is desirable. At present, the raising of what may be regarded as stock or elite seed for sale to seedsmen is expensive owing to the fact that the nearest favourable areas are found in the border counties. Even there it is impossible under the present conditions of individual contract to concentrate in any one district, and a farm in a favourable district for the centralisation of this work would be a very great advantage. In some districts there are signs that the further increase of seed for commercial purposes, under the influence of the results obtained under contract conditions, may before long be undertaken by seed growers' associations formed for this particular purpose, so that, provided the Station is enabled to produce the elite stock seed, the supply available to the farmer will become greatly increased.

The agronomic studies connected with the production of new strains are involving many interesting aspects of pasture formation, pasture improvement and pasture management, and it is already clear that the benefits of any new strain may be completely lost in the absence of proper methods of control and management of the pasture. On the other hand, the combined result of improving the conditions by means of treatment and management, together with the production of special strains, may greatly extend the range of the more valuable species.

Thus, the broad basis adopted in connection with plant breeding is being fully justified, and it can only be regretted that the special study of the physiological problems involved has been cut short, while other important aspects must under present conditions be left practically untouched.

The Station continues to attract visitors from far and near. These visitors are of different types. In the summer of 1934, a Norwegian spent some weeks with us studying our breeding technique, while an Egyptian, during a stay of several months, made a special study of the clover work. Other visitors from overseas have been numerous, and during the present season we have already had visitors from New Zealand, Tasmania, Australia, China and India. Farmers' parties from the district, from various parts of South and North Wales, from the border counties and from a wide district around Salisbury have also recently paid visits to the Station.

### **THE CAHN HILL IMPROVEMENT SCHEME.**

Early in 1935, the work was extended to Prignant. Fences were erected and a very large area of land was cultivated either with surface cultivators or by ploughing. The implements employed, particularly the caterpillar tractor and the Junotrac plough, proved to be excellent for the purpose and enabled us to deal effectively with areas which could not otherwise have been taken in hand.

Much of the new area was seeded down with cheap temporary seeds mixtures. The dry early summer proved to be unfavourable, but the wet weather during the latter part of the summer and in the autumn provided good conditions for growth, and the new pastures made remarkable progress. In consequence a considerable number of sheep and lambs were fed and wintered on land which formerly was practically useless for this purpose. Heavy spring grazing however caused some of the pastures to become very bare, but more recently they have grazed well and the improvement in stock carrying capacity is very great.

The land treated prior to 1934 is now showing further improvement, and the efficiency of the treatment is becoming more and more pronounced.



The development of white clover on the very poor land of Bwlch-yr-Oerfa is particularly marked and has excited very favourable comment from visitors.

In addition to the hill land proper, a considerable acreage of the more sheltered land at Pwllpeiran has been taken in hand for improvement. This land, although low in altitude as compared with the hills, is yet 800 feet or upwards above the level of the sea and has been in a very poor condition. By improving this land and sowing it with special species, strains or mixtures, the question of wintering will be further simplified since shelter and food can be provided when the conditions on the hills become temporarily too severe.

Special consideration has been given to the quality of the sheep on the Nant Rhys sheep walk, and methods have been considered and partly applied for the development of a flock more uniform in type and better adapted to the conditions. In this connection, very valuable assistance has been received from Mr. C. Bryner Jones, C.B.E., M.Sc., and from Professor R. G. White, M.B.E., M.Sc., of the University College of North Wales, Bangor.

It is yet too soon to discuss the financial aspects of the Scheme. Capital expenditure so far has of necessity been very heavy, but the returns obtained from the treated lands are decidedly encouraging.

### **IMPERIAL BUREAU OF PLANT GENETICS : HERBAGE PLANTS.**

DIRECTOR : PROFESSOR R. G. STAPLEDON.

CHIEF OFFICER : DR. R. O. WHYTE.

The Bureau has continued its work as a centre for the collection and dissemination of information relating to research on grassland, herbage plants and forage crops. The value of the various issues of the Herbage Publication Series (Reviews—Abstracts—Bulletins) may be measured by the fact that the number of subscribers has more than doubled during the past year. Copies of these publications are now sent to almost every country in the world where agricultural research and teaching are in progress.

Special attention has been given during the year by Dr. Whyte and Mr. M. A. Oljehovikov, Russian assistant, to the Soviet research on the phasic development and vernalization of plants. The outcome of this work has been the publication of our Bulletin No. 16 on "The theoretical significance of vernalization," by Professor N. A. Maximov, and the preparation of a more extensive Bulletin (in collaboration with the Imperial Bureau of Plant Genetics, Cambridge) on the same subject for publication in the summer of 1935.

Dr. Whyte has also published a Bulletin on his studies of Central European grasslands and forage crops made as a result of his official visit to Germany, Czechoslovakia, Hungary and Austria in 1933; this has appeared as Bulletin No. 15 on "Grassland and forage crops in Thuringia, Czechoslovakia and Hungary."

Miss Roseveare has continued her studies of the German and South American literature on grasslands and forage crops; several valuable translations of articles by selected authors have appeared in *Herbage Reviews*, as well as a review of the South American literature.

Miss Hall has continued her bibliographies on the agricultural botany and taxonomy of herbage Gramineae, and her studies of the American literature; she has recently prepared a valuable review entitled "Plant biology in U.S.A."

The International Test of Geographical Types of Lucerne, which has been organized by this Bureau, and is located in twelve different countries, has proceeded and preliminary reports have been circulated in our Memorandum No. 5.

In these and other ways the Bureau seeks to facilitate interchange of information, literature and opinions on this very active aspect of modern agricultural research; in so doing it has enhanced its reputation considerably and carried the already well-known name of Aberystwyth as a grassland centre into many and strange places.

### VETERINARY HYGIENE.

MR. A. PARRY.

*No. of Students* :—

Short Course in Agriculture .. .. .	21
Continuation Course in Agriculture .. .. .	14
1st Year Diploma in Dairying .. .. .	11
1st .. .. . Agriculture .. .. .	1

The students were given lectures in elementary anatomy, physiology, veterinary hygiene, and animal management. The common diseases affecting farm stock were fully described, giving causes, methods of prevention and treatment. The scheduled diseases of animals were enumerated and its object fully described. The diseases of dairy cows which have a connection with the production of pure milk were described in detail. The Short Course students showed keen interest in this subject, and were of a higher standard than usual.

### LAND SURVEYING AND FARM BUILDING CONSTRUCTION.

MR. G. T. BASSETT.

The class consisted of six students who displayed considerable interest in the work and did well in the terminal examinations. They all passed in the subject when sitting the examination for the National Diploma in Agriculture in April.

### DAIRY BACTERIOLOGY.

MR. S. B. THOMAS.

The number of students attending classes in Dairy Bacteriology during the session was as follows :—

Short Course in Agriculture .. .. .	21
Continuation Course in Agriculture .. .. .	14
Short Course in Dairying .. .. .	20
Diploma in Dairying—1st Year .. .. .	15
Diploma in Dairying—2nd Year .. .. .	12

#### *Diploma Courses.*

The quality of the work was well above the average. Misses Muriel F. R. Davies, J. Angharad Tudor and Annie Harries deserve special mention. A number of the first year students also did excellent work.

The additional laboratory accommodation has made possible an extension of practical work.

Since many past students have obtained appointments as Bacteriologists with Dairy Companies, a course in routine analytical work has been arranged during July and August for all Second Year students. Five past students have also visited the laboratory for periods ranging from one to four months in order to obtain experience in modern routine methods.

*Short Courses.*

A series of lectures and demonstrations were given to the various groups of young farmers attending College courses. I find that this is an ideal method of establishing advisory contact with farmers in the area.

*Appointments.*

Though over a dozen students could have been placed as Dairy Bacteriologists with Industrial firms during the course of the session, no suitable candidates were available.

*Extra-Mural Work.*

Three extra-mural lectures were given, including an address on the results of my investigational work on the Bacteriology of Pasteurisation delivered to 46 Public Health Officers at the Agricultural Institute, Usk, Monmouthshire.

*Routine Advisory Work.*

The Accredited Producers Scheme organised by the Milk Marketing Board commenced operation on 1st May. As a result routine work has been considerably increased. Advisory work is now being carried out for approximately 150 farms every week. In addition to the usual routine testing, work of a more complicated nature often requiring a few months investigation is increasing in volume.

The following table shows the distribution of routine and investigational work carried out during the session :—

<i>Source.</i>	<i>No. of samples Examined.</i>
Dairy Farmers .. .. .	1,410
County Agricultural Education Staffs .. .. .	2,600
County Medical Officers .. .. .	220
Welsh Board of Health .. .. .	110
Local Public Health Authorities .. .. .	350
County Education Authorities .. .. .	230
Veterinary Officers .. .. .	45
Dairy Factories .. .. .	47

*Research.*

The following investigations were continued during the year :—

1. The thermophilic flora of raw and pasteurised milk.
2. Various modifications of the methylene blue reductase test.

In conjunction with Mr. Leonard Ll. Jones, M.R.C.V.S., the County Veterinary Officer for Montgomeryshire, a study of the normal and abnormal microflora of cows' udders has been recently commenced. This work will be more particularly concerned with the influence of mastitis on routine agar plate counts of milk.

In conjunction with the Dairy Department of the College, an attempt is being made to trace the origin of gassiness in processed cheese.

**DAIRYING.**

MR. G. T. MORGAN.

The number of students taking courses during the Session 1934-35 was as follows :—

1st Year Dairy Diploma .. .. .	13
2nd Year Dairy Diploma .. .. .	13
Short Course in Dairying .. .. .	19
Special Courses in Practical Dairying .. .. .	2

There has been a substantial increase in the number of students taking the Diploma Course.

#### *1st Year Class.*

The quality of the work of the first year students was below the average. This was most noticeable in the practical classes.

#### *2nd Year Class.*

All second year students worked well throughout the year, and without exception they took a keen interest in their work. Misses Muriel Davies and Annie Harries have done particularly good work.

#### *Short Courses.*

During the Lent Term I gave a series of lectures to students attending the Continuation Course in Agriculture.

As in previous years, two Six Weeks' Courses in practical dairying have been held during the summer months. This year there is a decrease in the numbers attending these courses.

#### *Practical Work.*

Practical classes commenced on 30th April and will continue until 21st September. All second year diploma students continued with their practical classes until 1st September, while first year diploma students spend the long vacation gaining practical experience in Butter and Cheese factories and Milk processing depots.

#### *Past Students.*

Two students qualified for the National Diploma in Dairying in September, 1934.

During the year numerous enquiries have been received for trained dairy workers of both sexes, and we could easily have placed treble our usual supply of students in suitable posts.

The following are representative of recent appointments :—

Miss Madge Phillips, Dairy Bacteriologist Staff of United Dairies, Limited.

Miss Dora Corfield, Instructress in Rural Science, Devon.

Mr. George W. Davies, Manager of Buttermaking Department, Messrs. Allen and Hanbury, Ware.

Mr. John Downey, Manager, Barrow-in-Furness Dairy Farmers' Society.

Mr. John Lewis, Temporary Assistant Agricultural Organiser, Carmarthen.

A number of butter samples have been examined in connection with the Merioneth Advisory Butter Scheme, and frequent samples of cheese and butter are received from farms and factories for examination.

Miss Nona Morris Jones was again appointed temporary assistant for the summer months, and I wish to record my appreciation of her co-operation in the management of the Dairy.

### **AGRICULTURAL BOOK-KEEPING.**

Mr. E. B. Hicks.

The following students pursued the course during the session :—

<i>Junior Section :</i>	<i>No. of Students.</i>
Short Course .. .. .	21
First Year Diploma in Dairying .. .. .	11
First Year Diploma in Agriculture.. .. .	1

*Senior Section :*

Dairy Diploma	..	..	..	..	..	..	11
Agriculture Diploma	..	..	..	..	..	..	4

Three students passed in Book-keeping at the National Diploma in Agriculture examinations at Leeds in April, 1935. All (three) students passed in Book-keeping at the National Diploma in Dairying Examinations at Reading in September, 1934.

The section dealing with the interpretation of Farm Accounts, including Principles and Methods of Valuation, Tenant Right Valuation, Farm Costings, etc., was undertaken by Mr. J. H. Smith, B.Sc.

**LIST OF PUBLICATIONS BY MEMBERS OF THE TEACHING STAFF,  
SESSION, 1934-35.**

*Latin.*

Professor E. J. WOOD.

Critical reviews of Dougan and Henry's Tusculan Disputations of Cicero III.-V. (*Classical Review*, May, 1935), and of Sjögren's Letters of Cicero to Atticus V.-XII. (*Gnomon*, May, 1935).

Mr. A. M. DUFF.

Minor Latin Poets. *Loeb Classical Series*. Heinemann, 1935. (In conjunction with Professor J. Wight Duff.)

*English.*

Professor J. W. H. ATKINS.

"Literary Criticism in Antiquity," 2 vols. Cambridge Univ. Press. October, 1934.

*Welsh.*

Professor T. H. PARRY-WILLIAMS.

"Beirniadaeth Lenyddol." (*Yr Efrogdydd*, June, 1935.)

"*Elfennau Barddoniaeth.*" (Univ. Press Board.) In Press.

Mr. D. GWENALLT JONES.

Reviews in Welsh Press.

An edition of poems by the 18th Century Classical School. (Univ. Press Board.)

*Welsh Literature.*

Professor T. GWYNN JONES.

*Beirniadaeth a Myfyrdod* (fourth volume of Series of collected works. Wrexham, 1935.)

*Alliteration: Welsh and Scandinavian.* (Aberystwyth Studies, Vol. XIII., 1934.)

*Cyffes Clerwr* (a metrical version of a poem, "Aestuans intrinsecus ira vehementi," attributed to the "Archipoeta." *Y Llenor*, XIII., 2.)

*Literary Criticism* (a review of *Literary Criticism in Antiquity*. . . . J. W. H. Atkins. . . . Cambridge, 1934. *Y Llenor*, XIII., 4.)

*Gramadegau'r Penceirddiaid* (a review of *Gramadegau'r Penceirddiaid*.

. . . . G. J. Williams ac E. D. Jones. . . . Gwasg Prifysgol Cymru, 1934. *Baner ac Amserau Cymru*, Ion. 15, 1935.)

*Dafydd ap Gwilym* (critical appreciation. *Y Traethodydd*. April, 1935.)

*Tegla Davies* (a study. *Yr Eurgrawn*, Mawrth, 1935).

*French.*

Dr. E. MARGARET PHILLIPS.

Some French translators of Burns. *Aberystwyth Studies*, 1934. pp. 53-60.

Sainte-Beuve et les poètes romantiques anglais. *Revue Anglo-Américaine*, août 1935 (16 p.).

*History.*

Professor R. F. TREHARNE.

Articles on Medieval English, Welsh and Scottish History (letters P-S) in the *Enciclopedia Italiana*.

*Welsh History.*

Professor E. A. LEWIS.

"Transcription of samples of 'Local Records' deposited in National Library of Wales." *Bulletin of Board of Celtic Studies* and *Trans. Radnorshire Society*.

Text and Translation of "The Extant Proceedings of the Court Leet of the Manor of Llanwddyn during the reign of Elizabeth." *Trans. Powysland Club*.

*Philosophy.*

Professor R. I. AARON.

Review in *Mind*.

Dr. DAN DAVIES.

*A Priori Concepts in Analysis*. October, 1934.

Review in *Traethodydd*.

Mr. KARL BRITTON.

*Language Public and Private*, in *Monist*, January, 1935.

*Empirical Foundations for Logic*, in *Analysis*, December, 1934.

*Education.*

Dr. GEORGE H. GREEN.

A series of articles on the teacher's work. *Teachers' World*.

Articles dealing with the influence of modern psychology upon work in School. *The Schoolmaster*.

Articles in *The Educational Handwork Journal* dealing with the Peace Pageant, and the teaching of Mathematics and Science in relation to World Citizenship.

Article in *Headway*.

Dr. GWENAN JONES.

Lessons in Welsh based on St. Mark for English-speaking scholars.

*Y Cyfarwyddwr*, April, 1934, to February, 1935.

Gwersi i'r Plant Lleiaf (an introduction to a series of lessons for infants). *Y Cyfarwyddwr*. March, 1935.

Addysg Grefyddol a'r Genedl (Broadcast talk—"Addysg Grefyddol yng Nghymru"). *Yr Efyrdydd*, May, 1935.

*Pure Mathematics.*

PROFESSOR V. C. MORTON and Miss D. S. MEYLER.

Desmic tetrahedra associated with a cubic surface. *Journal London Math. Soc.*, Vol. 10. Pt. 3., 39, 1935.

*Physics.*

Mr. R. M. DAVIES.

(1) Demonstration Models of Early Steam Engines. *School Science Review*. December, 1934.

(2) and (3). A study of an electrically maintained vibrating reed and its application to the determination of Young's Modulus.

Part I. Theoretical. (Messrs. R. M. Davies and E. G. James.) *Phil. Mag.* November, 1934.

Part II. Experimental (Messrs. E. G. James and R. M. Davies.) *Phil. Mag.* December, 1934.

(4) On the avoidance of errors due to 'leads' in radio-frequency measurements. *Phil. Mag.* July, 1935.

*Chemistry.*

Messrs. C. R. BURY and R. D. J. OWENS.

"The System Butyric Acid—Sodium Hydroxide—Water." *Transactions, Faraday Society*, XXXI. 1935.

Mr. C. R. BURY.

"The Calibration of Ostwald Viscometers." *Journal of the Chemical Society*. 1934.

Messrs. C. R. BURY and G. A. PARRY.

"The Densities of Aqueous Solutions of Potassium Acetate and Potassium Laurate." *Journal of the Chemical Society*. 1935.

*Zoology.*

Dr. J. R. E. JONES.

"The Toxic Action of Heavy Metal Salts on the Three-spined Stickleback (*Gastrosteus aculeatus*)." *Journal of Experimental Biology*. Vol. XII., No. 2, pp. 165-173. April, 1935.

*Botany.*

Professor L. NEWTON and Miss M. C. HOOPER.

The effect of lead on plants in culture with especial reference to its application to the Goginan lead mine. Serial Report of the Ministry of Agriculture and Fisheries. (In preparation.)

Mr. P. W. CARTER.

Effect of orange juice on the growth of *Laminaria* gametophytes. *Nature*. June, 1935.

*Geography and Anthropology.*

Professor C. D. FORDE.

"Report on Second Season's Work on Pen Dinas." *Antiquaries Journal*. Vol. 24. 1934, and *Bulletin of the Board of Celtic Studies*. 1934.

"Notes on recent finds in Central Wales." *Antiquaries Journal*, Vol. 25. 1935.

Mr. WALLACE E. WHITEHOUSE.

Further articles on counties and cities of the British Isles. *Enciclopedia Italiana*.

Mr. E. G. BOWEN.

"Carmarthenshire and the Wanderings of the Celtic Saints." *Trans. Carm. Antiq. Society*. Vol. 26. 1935.

Mr. W. FOGG.

"Wazzan: a Holy City of Morocco." *Aberystwyth Studies*, Vol. 13. 1934.

"Villages and *Suqs* in the High Atlas Mountains of Morocco." *Scottish Geographical Magazine*, Vol. 51. 1935.

*Extra-Mural Studies.*

Dr. T. HUGHES GRIFFITHS.

"Politischer Pluralismus in der zeitgenössischen Philosophie Englands." Vol. 14, *Hessische Beiträge zur Staats- und Wirtschaftskunde*.

*Libraries.*

Mr. ARTHUR AP GWYNN.

Wales and Monmouthshire Branch of the Library Association. Subject Index to Welsh Periodicals. Volume I, 1931. Edited by Arthur ap Gwynn. Cardiff, 1934.

*Agricultural Botany.*

Miss K. SAMPSON.

The presence and absence of an endophytic fungus in *Lolium temulentum* and *L. perenne*. *Trans. Brit. Myc. Soc.* Vol. XIX. 1934.

*Agricultural Chemistry.*

Messrs. R. O. DAVIES and H. G. CHIPPINDALE.

"The Response of Grasses and Clover to Treatment on Acidic Upland Soils, and the effect of Herbage Plants on the Reaction of Acidic Soils."

Part 1. "The Response of Herbage Plants to Treatment on Molinia Soil." *Empire Journ. Expt. Agric.* II. No. 8, 324-336, October, 1934.

*Ibid* Part 2. "The Effect of Herbage Plants on Molinia Soil." *Empire Journ. Expt. Agric.* III., No. 9, 50-59, January, 1935.



*Agricultural Economics.*

Professor A. W. ASHBY.

Planning Agriculture: Some Preliminary Observations. *Journal of the Proceedings of Agricultural Economics Society*, Vol. 3. No. 3. 1934.

The Social Purpose of Adult Education: its relation to the Improvement of Rural Social Life. (Cyclostyled). Published by the Department. 1934.

The Position and Problem of the Farm Worker in England and Wales. Reprinted from the *International Labour Review*, Vol. XXXI. No. 3. March 1935.

The Milk Marketing Scheme. *Agricultural Progress*. Vol. XII. 1935. Reprinted.

The Sociological Background of Adult Education in Rural Districts. *British Institute of Adult Education*. London 1935.

The Family Farm. Proceedings of International Conference of Agricultural Economists, Oxford, 1935.

Perspectives et chances de la colonisation agricole. *Les Cahiers du Renouveau*. (Paris). February, 1935.

Professor A. W. ASHBY with Mr. E. LL. HARRY.

Memorandum on the Position of Livestock Producers in Wales. (Printed). Published by the Department, 1934.

Professor A. W. ASHBY with Mr. W. H. JONES.

Agriculture—(b) The Milk Industry;

(c) The Livestock and Meat Industry.

In "Britain in Depression." Pitman & Sons. (Published for the British Association for the Advancement of Science). 1935.

Professor A. W. ASHBY with Messrs. W. H. JONES and J. R. E. PHILLIPS.  
The Operation of the Marketing Schemes in Wales. *Journal of the Royal Welsh Agricultural Society*, 1935.

Mr. J. PRYSE HOWELL.

Economic Depression in Welsh Agriculture. *Welsh Journal of Agriculture*. Vol. XI. 1935. Reprinted.

Quantities and Value of Farm Produce consumed in the Farm House. *Welsh Journal of Agriculture*. Vol. XI. 1935. Reprinted.

Mr. E. LL. HARRY.

Consumption of Milk in a Distressed Area of South Wales. *Welsh Journal of Agriculture*. Vol. XI. 1935. Reprinted.

Mr. W. H. JONES.

A Statistical Analysis of Farm Accounts. *Journal of Farm Economics, U.S.A.* Vol. XVI. No. 4. October 1934. Reprinted.

Prices of Farm Products: Wholesale-Retail Margins. *Welsh Journal of Agriculture*. Vol. XI. 1935. Reprinted.

Mr. J. H. SMITH.

The Production and Marketing of Market Garden Produce in the Aberystwyth Area. *Welsh Journal of Agriculture*. Vol. XI. 1935. Reprinted.

Mr. S. C. RAY.

Economic Conditions of Peasants in British India. Proceedings of International Conference of Agri. Economists, Oxford, 1935.

## GENERAL REPORTS.

Report of Conference on Development of Agricultural Co-operative Business (Mimeographed). May, 1934. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents*—Overproduction and Underconsumption in relation to Agricultural Markets—Mr. Arthur Jones.

Collective Life Assurance of Members of Farmers' Co-operative Societies—Mr. J. Glynne Williams.

Live Stock Marketing Proposals and Trade in Welsh Stock.—Professor A. W. Ashby.

Some Recent Problems of Management in Co-operative Societies—Mr. W. H. Jones.

Report of Conference on Development of Agricultural Co-operative Business (Mimeographed) October, 1934. Published by the Department of Agricultural Economics, U.C.W., Aberystwyth.

*Contents*—Farmers and the Milk Marketing Scheme—Mr. Ben Hinds.

Prospects of Trade in Feeding Stuffs and Fertilisers: Trends of Prices—Mr. W. H. Jones.

Welsh Live Stock and Marketing Schemes—Professor A. W. Ashby.

*Welsh Plant Breeding Station*, July 1934—June 1935.

Professor R. G. STAPLEDON.

Palatability and Management of the poorer grass lands. *J. Min. Agric.* XLI. No. 4. pp. 321-28, July 1934.

White clover as a factor in the improvement of grassland and in its relation to the feeding properties of the sward. *Rept. of the IIIrd. Grassland Conference, Zürich.* pp. 186-92, July 1934.

The Cahn Hill Improvement Scheme. *J. Min. Agric.* XLI. No. 6. pp. 542-60. Sept. 1934.

The age of scientific practice. *J. Bd. Greenkeeping Res.* Vol. 3. No. 11. pp. 190-6. 1934.

The improvement of grassland by seeds and manures. *Journ. of the Farmers' Club*, Pt. 3., April, 1935.

Messrs. R. D. WILLIAMS and GWILYM EVANS.

The efficiency of spatial isolation in maintaining the purity of red clover. *Welsh Journ. Agric.* Vol. XI. pp. 164-71. Jan. 1935.

Mr. E. T. JONES.

Spring sown oats in Wales. *J. Min. Agric.* Vol. XLI. No. 12. pp. 1182-6. March 1935.

Observations on yield trials and varieties of spring sown oats in relation to different levels of productivity in Wales. *Annals Appl. Biol.* Vol. 22, No. 2. pp. 208-24. May 1935.

Mr. WM. DAVIES.

Pasture legumes in relation to grassland improvement in Australia. *Empire J. Expt. Agric.* 2. No. 7. pp. 228-38. July 1934.

Pasture sampling with particular reference to methods used in Great Britain for determining the botanical composition of grassland. *Rept. IIIrd. Grassland Conference of the North and Central European Countries.* pp. 203-7. July 1934.

Grassland Experiments in Mid-Wales: The Cilmery Park experiments. *Ann. Appl. Biol.* XXI. 3. pp. 379-97. Aug. 1934.

The romance of grassland. *Sci. J. Roy. Coll. Sci.* Vol. 4. pp. 96-105. 1934.

*Report on the Third Grassland Congress of the North and Central European Countries, Zürich.* July 1934.

Mr. GWILYM EVANS.

Seed production in cocksfoot : density of spacing in relation to yield.  
*Welsh Journ. Agric.* Vol. XI. pp. 158-64. Jan. 1935.

Mr. H. G. CHIPPINDALE.

Note on a device for supporting seeds in contact with liquids.  
*Comptes rendus de l'Association Internationale d'Essais de Semences.*  
No. 1. pp. 1-3. Copenhagen 1934.

— and Mr. W. E. J. MILTON.

On the viable seeds present in the soil beneath pastures. *Journ. Ecology.* XXII. 2. 508-31. Aug. 1934.

Mr. M. T. THOMAS.

Competition in seeds mixtures at high elevations (850 ft.) at Moelglomen, Talybont, Cardiganshire. *Ann. App. Biol.* 21. No. 4. pp. 553-65. Nov. 1934.

Field trials with pedigree and indigenous strains of grasses. *Welsh Journ. Agric.* Vol. XI. pp. 147-57.

Messrs. R. O. DAVIES and H. G. CHIPPINDALE.

The response of grasses and clover to treatment on acidic upland soils and the effect of herbage plants on the reaction of acidic soils. Pt. I. The response of herbage plants to treatment on *Molinia* soil. *Emp. J. Exp. Agric.* Vol. 2. No. 8. pp. 324-36. Oct. 1934. Pt. II. The effect of herbage plants on *Molinia* soil. *Emp. J. Exp. Agric.* Vol. 3. No. 9. Jan. 1935. pp. 50-9.

Mr. LL. IORWERTH JONES.

Pasture management and its effect on the sward. *Welsh Journ. Agric.* Vol. XI. pp. 96-120. Jan. 1935.

Mr. W. E. J. MILTON.

A comparison of the composition of hill swards under controlled and free grazing conditions. *Welsh Journ. Agric.* Vol. XI. pp. 126-32. Jan. 1935.

The soil establishment of pedigree and commercial strains of certain grasses. *Welsh Journ. Agric.* Vol. XI. pp. 171-81. Jan. 1935.

Mr. MOSES GRIFFITH.

A preliminary report on the work of the Cahn Hill Improvement Scheme. *Welsh Journ. Agric.* Vol. XI. pp. 140-7. Jan. 1935.

Messrs. MOSES GRIFFITH and P. M. G. HUTTON.

The wintering of sheep on temporary grasses. *Welsh Journ. Agric.* Vol. XI. pp. 121-5. Jan. 1935.

*Imperial Bureau of Plant Genetics : Herbage Plants.*

Bulletin No. 15. Grassland and forage crops in Thuringia, Czechoslovakia and Hungary, by R. O. Whyte and collaborators. August, 1934.

Bulletin No. 16. The theoretical significance of vernalization, by Professor N. A. Maximov. December, 1934.

*Herbage Abstracts.* 1934. Vol. 4. Nos. 3 and 4.

1935. Vol. 5. Nos. 1 and 2.

*Herbage Reviews.* 1934. Vol. 2. Nos. 3 and 4.

1935. Vol. 3. Nos. 1 and 2.

*Dairy Bacteriology.*

Messrs. S. B. THOMAS and D. E. RALPH.

"Grading Milk at the Factory ; a consideration of the value of the Methylene Blue Reductase Test and the Fermentation Test."  
*Welsh Journ. Agric.* Vol. XI., 1935.

## ANNUAL REPORT OF THE COUNCIL TO THE COURT.

The sixty-third Annual Report of the Council deals mainly with events in the College between 1st July, 1934, and 30th June, 1935.

The total number of students, including Short Course Students, who passed through the College during the past Session was 843.

### STAFF.

The following appointments were made during the Session :—

<i>Name.</i>	<i>Status.</i>	<i>Department.</i>
Mr. E. Jones Parry, M.A.	Lecturer in Colonial	
Ph.D. . . . .	History.	International Politics.
Dr. D. Gwynne Davies. . . . .	Assistant Lecturer . . . . .	Chemistry.
Dr. William Ellison, B.Sc. . . . .	ditto. . . . .	Agric. Botany.
Mr. R. L. Gapper, B.Sc., A.R.C.A. . . . .	ditto. . . . .	Art and Crafts.
Mr. K. W. Hancock, A.R.C.A.	Temporary Asst. . . . .	ditto.
Mr. G. T. Morgan, N.D.A., N.D.D. . . . .	Assistant Lecturer. . . . .	Dairy.
Miss Jane A. Tudor, B.Sc. . . . .	Assistant (Temporary) . . . . .	Dairy and Dairy Bac- teriology.
Mr. Handel B. Edwards, B.A.	Temporary Asst. Lecturer. . . . .	German.
Dr. Thijs Jolles . . . . .	Part-time Assistant. . . . .	ditto.
M.R.A.V. Helmoortel . . . . .	ditto. . . . .	French.
Miss Irene M. Wilson, M.Sc.	Demonstrator. . . . .	Botany.

The following temporary appointments have been renewed for the Session 1935/36 :—

Mr. Karl Britton, B.A., A.M.	Temporary Asst. Lecturer. . . . .	Philosophy.
Miss Gwen Davies . . . . .	Part-time Assistant. . . . .	Art and Crafts.
Mr. S. H. F. Johnston, B.A., B.Litt. . . . .	Temporary Asst. Lecturer. . . . .	History.
Dr. J. R. E. Jones . . . . .	ditto. . . . .	Zoology.
Mr. Thomas Jones, M.A. . . . .	ditto. . . . .	Welsh
Mr. Haydn Lewis. . . . .	Part-time Assistant. . . . .	Music.

The following appointments terminated during the Session 1934/35 :—

Mr. E. B. Hicks, A.S.A.A. . . . .	Secretary . . . . .	
Mr. E. B. Hicks, A.S.A.A. . . . .	Part-time Lecturer in Agricultural Ac- countancy and Office Organisation. . . . .	Agriculture,
Professor Edward Bensly . . . . .	Special Lecturer. . . . .	Greek and Latin.
Mr. Arthur Williams . . . . .	Supervisor of Instru- mental Studies. . . . .	Music.
Mrs. E. C. Hart. . . . .	Warden. . . . .	Plynlymon Hall.
Mr. Handel B. Edwards, B.A.	Part-time Asst. . . . .	German.
Herr Albert Nicol . . . . .	ditto. . . . .	ditto.
Miss M. Hubbard, B.Sc. . . . .	Demonstrator. . . . .	Botany.
Mr. R. L. Gapper, B.Sc., A.R.C.A. . . . .	Temporary Full-time Assistant Lecturer. . . . .	Art and Crafts.
Dr. William Ellison, B.Sc. . . . .	Temporary Assistant Lecturer. . . . .	Agric. Botany.

Mr. G. T. Morgan, N.D.A., N.D.D.	..	Instructor.	..	Dairy.
Dr. D. Gwynne Davies	..	Part-time Assistant.	..	Chemistry.
Mlle. A. B. Valour.	..	ditto.	..	French.

## GIFTS.

In addition to many gifts in kind to various Departments, the following donations and subscriptions were received during the year :—

<i>Donor.</i>		<i>Purpose.</i>		<i>Amount.</i>
Sir Julien Cahn, Bart	..	Plant Breeding Station for Wales Cahn Hill Improvement Scheme.	£3,000	0 0
Rt. Hon. D. Lloyd George, O.M., M.P.	..	Plant Breeding Station for Wales Cahn Hill Improvement Scheme. (for Special Land Survey)	1,000	0 0
Sir Ernest Debenham, Bart	..	Plant Breeding Station for Wales..	300	0 0
S. M. Bligh, Esq., B.A.	..	Plant Breeding Station for Wales..	200	0 0
Messrs. Imperial Chemical Industries, Ltd.	..	Plant Breeding Station for Wales..	150	0 0
The Dinam Charity	..	Plant Breeding Station for Wales..	100	0 0
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J. P. Morgan, Esq.	..	Plant Breeding Station for Wales..	50	0 0
Lady Gladstone of Hawarden.	..	The Rendel Memorial Scholarships (£1,000 5% Conversion Stock 1944/64)	1,235	0 0
Sir Henry Jones Memorial Committee	..	Sir Henry Jones, Prize	100	0 0
His Grace the Duke of Westminster, D.S.O.	..	General	13	6 8
Mrs. Vaughan Williams	..	Students' Medical Scheme	9	12 9
Sundry Persons	..	Visitors' Scholarships	38	16 8

## SPECIAL LECTURES.

Public Lectures were delivered during the Session by :—

<i>Lecturer.</i>		<i>Subject.</i>
Principal Ifor L. Evans, M.A.	..	"The Name and Nature of the University." (Inaugural Lecture.)
W. M. Whitehill, Esq., Ph.D.	..	"The Development of Romanesque Art in Spain." (One Lecture.)
D. Ward Cutler, Esq., M.A...	..	"Modern Aspects of Soil Microbiology." (Six Lectures.)
Dr. J. S. Lee	..	"The Problem of Recent Climatic Changes in China, with some remarks on the Peking Man." (One Lecture.)
Sir Reginald Blomfield, M.A., Litt.D., R.A.	..	"Six Architects." (Six Lectures.)
Sir A. Daniel, Hall, K.C.B., LL.D., F.R.S.	..	"The Present Position of the Darwinian Theories of Evolution." (Presidential Address to the Scientific Society.)
Professor W. G. Constable, M.A., F.S.A.	..	"Art in Everyday Life." (One Lecture.)
George Hall, Esq., M.P.	..	"The Economic Situation in South Wales." (Presidential Address to the Debates Union.)

## INTERCHANGE OF TEACHERS.

The following lectures were given during the Session under the Scheme for the Interchange of Teachers :—

<i>Department.</i>	<i>Lecturer.</i>	<i>Subject.</i>	<i>Number of Lectures.</i>
Botany.	Dr. Florence A. Mockeridge, M.A. (Swansea).	" Organic Stimulants and Plant Growth."	3
Welsh.	G. J. Williams, Esq., M.A. (Cardiff).	" Ysgolheictod Cymru yn y Ddeunawfed Ganrif."	3
Mathematics.	G. G. Phillips, Esq., M.A. M.Sc. (Bangor).	" Self Reciprocal Functions."	3
Economics.	Professor H. H. Marquand, M.A. (Cardiff.)	" Problems of Unemployment Insurance."	3

## SUMMER SCHOOLS.

The College buildings were utilised for Summer School purposes by the Educational Handwork Association. In addition, the Halls of Residence were used as a holiday centre by the National Young Life Campaign, the Workers' Educational Association and the School of Clergy. Accommodation was also provided for a Course for Secondary School History Teachers in Wales under the Board of Education.

## TRAVELLING GRANTS.

Grants were made to 64 present students of the College to enable them to visit many parts of Europe for purposes of study and research.

## COURSES OF INSTRUCTION IN LAW.

The Special Course for Articled Clerks at Colwyn Bay was again conducted in co-operation with the authorities of the University College of North Wales, Bangor.

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