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# Bournemouth Natural Science Society



## Proceedings (1988-89)

VOLUME LXIII  
PART 1



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(NATURAL HISTORY)  
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PROCEEDINGS  
of the  
**Bournemouth  
Natural Science  
Society**

**A Registered Charity No. 219585**

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VOLUME LXIII  
PART 1

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**(1988-89)**

Edited by  
E. Oldfield

***PUBLISHED BY THE SOCIETY  
AT ITS HOUSE,  
39 CHRISTCHURCH ROAD,  
BOURNEMOUTH BH1 3NS.***

*Price: £1.50*

Back numbers of some previous editions of the Proceedings can be purchased from the Secretary, price £1.00 each.

A set of back numbers may be consulted in the Society's Reference Library or individual Volumes borrowed from the Lending Library on application to the Librarian.

# INTRODUCTORY NOTE

The Society was founded in 1903 for the promotion of the study of Science in all its branches by means of Lectures, Field Meetings, the Reading and Discussion of Papers and in any way that the Council of the Society shall deem desirable.

An elected Council is charged with the responsibility of managing its affairs in accordance with the rules. The Society is a registered Charity No. 219585.

Sections at present included are: Archaeology and History, Astronomy, Botany, Geography, Geology, Horticulture, Physics and Chemistry, Photography and Zoology (Entomology, Mammalia and Ornithology).

The Society has its own premises at 39, Christchurch Road, a listed building, which provides the venue for its lectures and meetings. It houses a museum and a library and stands in an interesting, botanical garden. Members may borrow books from the library and there is a reading room where works of reference may be consulted. The museum contains many valuable collections and specimens.

A programme of activities is published quarterly and covers most weekdays. The programme comprises lectures, field meetings, cultural visits and social events.

Membership is open to all who are interested in the objects of the Society and full details may be obtained from the Secretary.

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# OFFICERS AND COUNCIL FOR 1989-90

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## VICE-PRESIDENTS:

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J.G. Parkinson, F.Z.S.	

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M.P. Bentley, O.B.E., C.Eng.	William H. Lee

## CHAIRMAN OF COUNCIL:

J.G. Parkinson, F.Z.S.

## DEPUTY CHAIRMAN:

Miss M.W.S. Davis

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### THE VICE-PRESIDENTS, OFFICERS, CHAIRMEN OF SECTIONS & CHAIRMEN OF COMMITTEES (all ex officio)

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Miss B.M. Ball	A. Osborn
Mrs P. Rust	Miss P. Winter
	W.L. George

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PROGRAMME SECRETARY:	Mrs M.W. Saunders
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ASSISTANT TREASURER:	Mrs I. Towndrow
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SLIDES CONSULTANT:	J.C. Mitton
PROJECTIONISTS - STILL:	G.H. Wilson
CINE:	W.Hardy

## CHAIRMEN OF SECTIONS:

ARCHAEOLOGY AND HISTORY:	Miss M. Stocker, B.A.
ASTRONOMY:	G. Nash, M.A., F.R.A.S.
BOTANY:	Miss S. Mackintosh
GEOGRAPHY:	Miss M.W.S. Davis
GEOLOGY:	Mrs V.E.Copp, B.A., F.G.S.
HORTICULTURE:	Miss M. Blower
PHOTOGRAPHY:	Mrs G.E. Obee
PHYSICS AND CHEMISTRY:	Rev. F.W. King
ZOOLOGY - ENTOMOLOGY:	Miss M.M.Brooks, PhC., M.R.Pharm.S., F.R.S.H., F.R.E.S.
MAMMALIA:	Miss K. Milner Bennetts, F.Z.S.
ORNITHOLOGY:	Mrs L.M. Maddox
MEMBERS' DAY:	Mrs H.M. Dickinson

BANKERS: National Westminster Bank, PLC, The Square, Bournemouth  
HON. AUDITORS: A.G. Jenkinson, B.Sc., G. Sparkes M.I.E.E.



# COMMITTEES, 1989-90

## FINANCE AND GENERAL PURPOSES:

CHAIRMAN: J.G. PARKINSON, F.Z.S.

PRESIDENT, DEPUTY CHAIRMAN, HON. TREASURER, HON. SECRETARY, CHAIRMAN OF  
CHAIRMEN OF SECTIONS COMMITTEE, HON. DEPUTY SECRETARY, HON. ASSISTANT  
TREASURER, HON. ASSISTANT SECRETARY, (all ex officio)  
W.J. Guscott, W.H. Lee, Miss R.H.D. Winter  
Miss K. MilnerBennetts, W.A.H. Arnold

## MUSEUM:

CHAIRMAN: Mrs. J. George

CURATOR: G. Teasdill; DEPUTY CURATOR: A. Osborn

## CHAIRMEN OF SECTIONS:

Mrs. S. Thomas, Mrs. M. Duncan

## LIBRARY:

CHAIRMAN: Mrs. B.E. Hooton-Smith

LIBRARIAN: R.E. Harwood

Miss G. Hayball, Miss J.M. Merchant  
Miss L.M. Rowe, Miss P.E. Winter

## HOUSE:

F.R. Watson, W.A.H. Arnold

## GARDEN:

CHAIRMAN: Miss M. Blower

Mrs. W. Chome, S. Huggins, Mrs. L.V. Nicklen, Mrs. R.C. Crane,  
Miss S. Mackintosh, L.H. Shepherd, Mrs. G.E. Obee,  
Mrs. R. Ponsford, Mrs. J. Wright

## TEA AND ENTERTAINMENT:

CHAIRMAN: Mrs. M.K. Parkinson

Mrs. J.E. Crompton, Mrs. H.M. Dickinson, Mrs. E. Hardy, Mrs.P. Hood,  
Miss C.W. Jarrold, Mrs. G.Kernon, Mrs. K. Lawrence, Mrs. J. Macdonald,  
Miss W.A. Saunders, Mrs. L.Wheeler, Mrs. M. Whieldon, Mrs. D. Wood

# LIST OF MEMBERS

Revised to 31st October 1989

\* HONORARY MEMBER  
 V VICE-PRESIDENT  
 + PAST PRESIDENT

L LIFE MEMBER  
 A ASSOCIATE MEMBER

The year of election is given before the name of each member  
 Unless otherwise stated all addresses are in Bournemouth.

1987	Aitken, Major R.C., B.Sc.	42 Priory View Road, BH9 3JQ
1987	Aitken, Mrs. S.A., B.A.	" " "
1963 *	Allen, Miss M.	174 Holdenhurst Road, BH8 8AS
1971	Allin, Mrs. J.M.	14 Oakwood Road, Highcliffe, BH23 5NH
1986	Allin, M.E.A., L.D.S.	3 Private Road, Marsh Lane, Lymington S041 9EW
1987	Allin, Mrs. P.F.D.	" " "
1960	Alsford, Mrs J.R.	20 Church Road, Ferndown, BH22 9EU
1989	Anderson, Mrs. J.L.	24 Baronsmede, 17 Branksome Wood Road BH2 6PE
1977	Andrew, A., M.A.	F7 Pine Grange, Bath Road, BH1 2PN
1978	Andrew, Miss. E.	34 Tollard Court, West Hill Road BH2 5EH
1986	Andrews, Mrs. D.L.	8 Champions Court, Henlow Drive, Dursley, Glos. GL11 4BE
1989	Andrews, J.	28 Mayfield Road, BH9 1TQ
1989	Andrews, Mrs. P.	" " "
1983	Arden, Miss K.N.J.	8 Ardmore Lodge, Ardmore Road, Poole BH14 8SA
1985	Arnold, W.A.H.	8 Cranleigh Gardens, BH6 5LE
1967 L	Arnold, Mrs. M.	" " "
1989	Arnold, W.G.	The Pantiles, School Lane, Thorney Hill, Christchurch BH23 8DT
1989	Arnold, Mrs. N.E.	" " "
1986	Artless, Mrs E.J.	47B Parkwood Road, BH5 2BS
1982	Ascher, P.	110 Bure Homage, Mudeford BH23 4DR
1982	Ascher, Mrs E.R.	" " "
1975	Ash, Miss C.C.	22 Pendennis, 7 Derby Road BH1 3PU
1986	Ashbee, Miss M.	63 Saxonbury Road, BH6 5ND
1974	Ayton, D.J.	201 Kinson Road, BH10 5HB
1987	Atyeo, G.H.	31 Solent Road, BH6 4BP
1987	Atyeo, Mrs. M.A.	" " "
1989	Ayles, Mrs. N.	1 The Lawns, 60 Southbourne Road BH6 5AE
1977	Ball, Miss B.M.	25a Dingle Road, BH5 2DP
1966 L	Band, Miss E., B.A.	9 Deveron Lodge, 23 Christchurch Road, BH1 3NS
1989	Banks, Mrs. B.	31, Doveshill Crescent, BH10 5BS
1981	Barnett, Miss L.M., B.A.	26 Hartley Down, 60 Christchurch Road, BH1 3PJ
1985	Barracrough, P.K.	157 Cooden Sea Road, Bexhill on Sea TN39 4TE
1971 L	Bartram, T., F.N.I.M.R. F.R.S.H., F.H.A.	6 Browning Avenue, BH5 1NN
1978	Bateson, Miss J.	8 Meadow Crt., Leigh Common, Wimborne BH21 2BG
1982	Baxter, Miss K.C.	13 Glencoe Road, BH7 7BE
1988	Behennah, F.E., C. ENG., FRAeS, FIMechE, FIQA, FBIS	11 Pine Manor Road, Ashley Heath, Ringwood BH24 2EZ
1980	Bell, Mrs. A.M.	34 Knyveton Road, BH1 3QR
1963*+V	Bennetts, Miss, K.M., F.Z.S.	29 Belle Vue Gardens, Belle Vue Road BH6 3BG
1979	Benson, Mrs. R.	6 Moat Lane, Barton-on-Sea, BH25 7JG

1980	Bentley, M.P., O.B.E., C.Eng.	5 Bournemouth Drive,	BH4 9JP
1980	Bentley, Mrs., E.P.,A.T.D.	" "	"
1986	Berington, J.	Flat 2, 1 St. Augustines Road,	BH2 6NX
1988 L	Black, Mrs. J.	7A High Street, Christchurch,	BH22 1AB
1951 L	Blandford, Mrs. R.I.	B18 Elizabeth Court, Grove Road,	BH1 3DU
1964 *	Blower, Miss M.	32 Selkirk Close, Merley, Wimborne	BH21 2JP
1989	Bolton, C.M.G., M.SC., FGS.	47 Meyrick Court, St. Winifred's Road,	BH2
1989	Boltwood, Mrs. D.	8 Kingfisher Court, 41 Christchurch Road,	BH1 3NS
1989	Bostock, Mrs. A.	6 Rowena Road,	BH6 8AE
1989	Boulton, K.S.	30 Verity Crescent, Canford Heath, Poole,	"
1988	Boulton, Mrs. I.O.	BH17 7TJ "	"
1989	Bowden, Mrs. M.E.	84 Pine Grange, Bath Road	BH1 2PQ
1989	Bower, Mrs. M.	115 Haverstock Road,	BH9 3HJ
1983	Boynes, R.C.	43 Keith Road,	BH3 7DS
1983	Boynes, Mrs. R.	" " " "	"
1984	Branch, J.	17 Alexandra Road,	BH6 5JA
1984	Braund, Miss C.H., B.Sc.	19 William Road,	BH7 7BB
1968	Brazier, Miss. M.A.	4 Cedar Avenue,	BH10 7EF
1989	Brinkman, Mrs. D.J.	3 Victory Court, 33 Boscombe Spa Road,	BH5 1AS
1989	Bridal, J.R.	44 Idedesleigh Road,	BH3 7NQ
1970	Brooks, J.L.	7 Milton Road, Wimborne,	BH21 1NY
1970+VL	Brooks, Miss. M.M., Ph.C. M.R. Pharm.S.,F.R.S.H.,F.R.E.S.	" " " "	"
1978	Brotherton, Miss H.J., J.P.	58 Pearce Avenue, Poole,	BH14 8EH
	C.B.E.		
1937+V*	Brown, S.C.S.,F.D.S.	158 Harewood Avenue,	BH7 7BG
(1967)	R.C.S., L.D.S.		
1984	Buckland, Mrs J.M.	14 Glendale Road,	BH6 4JA
1988	Bunting, C.A.	17 Freshwater Road, Friars Cliff, Christchurch,	BH23 4ED
		" " "	"
1988	Bunting, Mrs. B.		
1982	Burch, B.O.	6 Romney Court, 28 Portarlinton Road,	BH4 8BZ
1986	Burch, Miss. O.E.	10 Chatsworth Road, Poole,	BH14 0QL
1930	Bury, Miss, G.J.	10 Rossley Close, Christchurch,	BH23 4RR
1977	Butt, Mrs J.M.	599 Chilbridge, Hillbutts, Wimborne	BH21 4DS
1988	Burton, Mrs M.	21 Hamilton Court, Johnstone Road, Christchurch,	BH23 7NG
1989	Carlton, Miss. L., M.A.	1A Michelgrove Road,	BH5 1JH
1964	Cartwright Miss D.E., M.B.E.	31 Wistaria House, Redhill Drive,	BH10 6AE
1989	Cecil, Mrs. M.	9 Highfield, 112 Belle Vue Road	BH6 3BH
1988	Chatterton, R.H.	93 South Western Crescent, Poole,	BH14 8PP
1942 *V	Chome, Mrs W.	3 Sandykeld, 26 Manor Road	BH1 3EZ
1988	Chown, P.	18 Felton Road, Poole,	BH14 0QS
1988	Chown, Mrs J.	" " "	"
1974 L	Clapton, Miss D.E.	1 Alington, 25 Marlborough Road,	BH4 8DE
1977	Clasby, P.S.	12 Haglane Copse, Lymington,	S04 8DT
1963 L	Clode, J.C.	c/o Barclays Bank PLC, 1462 Wimborne Road	"
1963	Clode, Mrs V.M.	BH10 7AS	"
1983	Collings R, B.A., P.G.C.E.	73 Harland Road,	BH6 4DW
1981	Colyer, L.E.	51 Parkwood Road,	BH5 2BS
1981	Colyer, Mrs W.M.	" " "	"
1989	Coombs, Mrs. K.	10 Thornbury, 33 Marlborough Road	BH4 8DF
1941 L	Cooper, Mrs. E.M.	B18 Elizabeth Court, Grove Road	BH1 3DU
1989	Conway, J.	117 Norton Road,	BH9 2QB
1989	Conway, Mrs. S.M.	" " "	"

1976	Copp, Mrs., V.E., B.A., F.G.S.	41 Feversham Avenue, BH8 9NH
1986	Corrick, Mrs M.	15/3 The Avenue, Poole, BH13 6AD
1987	Coulan, Mrs A.	86 Homelake House, Station Road, Parkstone, BH14 8UD
1986	Cowles, Mrs M.M.	16 Clowes Avenue, BH6 4ES
1956 L	Cox, Miss M.G.E.	4 The Maitlands, 8 Portarlinton Road, BH8 8BT
1986	Craddock, M.S., B.Sc.	12 Gervis Road, BH1 3EG
1973	Crane, Mrs R.C.	11 Ferlands Park, West Close, Verwood, BH21 6PR
1977	Crompton, Mrs J.E.	148 Evering Avenue, Poole BH21 4JH
1982	Crooks, Miss L.	42 Belle Vue Gardens, Belle Vue Road, BH6 3BG
1975	Curtis, Mrs B.	114 Cutlers Place, Wimborne, BH21 2AZ
1975	Dain, F.	111 Bader Road, Canford Heath, Poole, BH17 7PW
1975	Dain, Mrs D.	" " " " " " " "
1983	Dales, F.R.	E17 San Remo Towers, Sea Road BH5 1JY
1985	Dalton, Mrs M.G.	20 Sunnyhill Road, BH6 5HP
1987	Davies, S.	88 Castle Road, BH9 1PN
1987	Davies, Mrs M.	" " " "
1976 L	Davis, Mrs B.	9 Oratory Gardens, Martello Road South, Poole, BH13 7HJ
1976 +V	Davis, Miss M.W.S.	26 William Road, BH7 7BA
1987	Day R.C.	25 Parkway Drive, BH8 9JW
1967	Deacon, Miss M.G.K.	42 Belmont Road, Poole, BH14 ODB
1988	DeConinck, Mrs. B.	34 Crescent Court, Chine Crescent BH2 5LA
1975	Denison, Mrs. N.	A2 St.Catherines Court, 35 Christchurch Road, BH1 3NS
1975	Dickinson, Mrs H.M.	9a Moorland Road, BH1 3ST
1972	Dolamore, Mrs M.	15 Dene Walk, Ferndown, BH22 8PQ
1980	Downes, J.P.	10 Leslie Road, BH9 2JH
1970	Draper, G.S.	44 Brackendale Road, BH8 9JA
1970	Draper, Mrs O.G.	" " " "
1988	Draycon, Miss E.P.	51 Talbot Road, BH9 2JB
1983	Drew, Mrs. C.M.F.	4 Bower Road, BH8 9HQ
1955	Dudley, Mrs I.	17 Widdicombe Avenue, Poole BH14 9QW
1987	Dufall, Mrs R.	32 Mallard Road, BH8 9PL
1985	Duncan, Mrs M.	3/88 Richmond Park Avenue, BH8 9DR
1985	DuPuy, Mrs G.	5 Beechwood Court, 5 Stourwood Avenue, BH6 3PN
1978	Eames, K.M., F.C.A.	152 Cranleigh Road, BH6 5JP
1978	Eames, Mrs I.L.	" " " "
1974	Easterbrook L	4 The Pines, 38 The Avenue, Poole BH13 6HJ
1974	Easterbrook, Mrs. F.P.	" " " "
1989	Edgley, Mrs. B.	8 Purbeck Court, Boscombe Overcliff Drive, BH5 2EN
1965 *V	Edwards, Brig. A.B.D., C.B.E., M.C.	234 Burlington Hotel, BH5 1AD
1989	Edwards, Mrs. H.A.	29 Wellington Rd, Poole BH16 9LF
1984	Edwards G.	65 Alvescot Road, Carterton, Oxford OX8 3JP
1984	Edwards, Mrs.G.	" " " "
1979	Elgood, J.H., M.A.	26 Walkford Way, Highcliffe, BH23 5LP
1979	Elliott, Miss M.	87 The Grove, Christchurch, BH23 2ND
1976	Erskine, S.L.W., M.D., D.P.H.	16 Oakwood Road, Christchurch BH23 5NH
1976	Erskine, Mrs K.M.	" " " "
1982	Evelyn, Mrs M.	30 Mayford Road, Poole, BH12 1PU
1960	Exton, Miss J.M.	4 Worthington Crescent, Poole, BH14 8BW
1989	Exton, Mrs. M.	16 Vernalls Close, BH10 7HA

1953 L	Farwell, Mrs S.M.A.	Latch Farm. Fairmile, Christchurch BH23 2LB
1987	Fearon, Mrs N.M.	18 Heathwood Road, BH9 2JX
1965	Fildes, Mrs E.M.	45 Wickfield Avenue, Christchurch, BH23 1JA
1981	Fitsgibbon, Miss M.T.	41 Homeleigh House, 52 Wellington Road, BH8 8LP
1982	Foot, Miss G.M.	C6 Twynham Court, Dean Park Road BH1 1JB
1979	Forrest, L.G.	30 Meyrick Court, St. Winifred's Road, BH2 6PH
1983	Foster, Mrs A.R.	33 Tollard Court, West Hill Road, BH2 5EH
1986	Fowkes, Mrs G.W.	Flat 5, Retired Nurses Home, Riverside Avenue, BH7 7ES
1988	Funk, M.J., M.R.C.C.S.	40 Ocean Heights, Boscombe Cliff Road
1988	Funk, Mrs M.I., M.R. Pharm.S.	BH5 1LA " " "
1987	Galpin, Mrs H.	191 Tuckton Road, BH6 3LB
1982	Gandy, F.W.	75 Littledown Avenue, BH7 7MX
1989	Garton, Mrs. Y.C.	2 Stourbank Road, Christchurch BH23 1LM
1974	George, W.L.	8 Glendale Close, Wimborne, BH21 1DJ
1974 +V	George, Mrs J.	" " "
1988	Gibbs, F.P. RIBA	50 Vallis Close, Fisherman's Wharf, Poole, BH15 1XZ
1989	Gilpin, R.E.	29 Keswick Road BH5 1LR
1989	Gilpin, Mrs. L.A.	" " "
1980	Glass, A.	6 Horseshoe Court, Dean Park Road BH1 1HU
1980	Glass, Mrs P.	" " "
1984	Gonzalez - Nache, Mrs C.J.	34 Bridport Road, Poole, BH12 4BY
1987	Gorman, P.	24 Hazel Drive, Ferndown BH22 9SW
1981	Gould, A.R.	11 The Boltons, Portarlington Rd BH4 8DA
1981	Gould, Mrs M.C.	" " "
1988 A	Graham, J.T.	34 Dudsbury Avenue, Ferndown, BH22 8DU
1977 L	Gray, Mrs, J.F., B.A.	62 Dulside Road, BH3 7ED
1985	Green, Mrs R.E.	9 St.Kilda, 9 Stourwood Avenue, BH6 3PR
1973	Griffiths, Mrs R.A.	34 Knyveton Road, BH1 3QR
1978	Guscott, W.J., C.Eng., F.I.E.E.	7 Wick Lane, BH6 4JT
1988	Hack, S.R., C.Eng.	39 Dunkeld Rd, BH3 7EW
1988	Hack, Mrs M.M.	" " "
1982	Halford, Miss A.	15 Poole Road, BH2 5QR
1986	Hall, Mrs D.	89 St. Catherines Court, 35 Christchurch Road, BH1 3NS
1988	Hall, Mrs H.E.	19 Pine Avenue, BH6 3SW
1972	Hanna, H.J.A.	6 Cliffe Road, Barton-on-Sea BH25 7PB
1971	Hanna, Mrs K.A., M.A.	" " "
1972	Harding, R.	3 Portchester Place, BH8 8JS
1976	Hardy, W.	1 Gorseclyff Court, 5 Boscombe Spa Road
1976	Hardy, Mrs E.	BH5 1AW " " "
1989	Harris, Mrs. C.	26 Firs Glen Road, West Moors, Wimborne BH22 0ED
1984	Harrison, K.J.	49 Sheldrake Road, Mundeford, BH23 4BP
1984	Harrison, Mrs W.M.	" " "
1986	Hart, Miss M.E.A.S.	13A Dunbar Road, BH3 7AZ
1978	Harwood, R.E.	10 Blakehill Crescent, Poole BH14 8QR
1978	Harwood, Mrs A.M.	" " "
1964	Hatton, R.H.S., M.A.	Pine Cottage, Lower Rowe, Holt BH21 7DZ
1988	Hawkins, A.J., F.C.B.S.I.	15 Beamish Road, Canford Heath BH17 7SQ
1988	Hawkins, Mrs A.J.	" " "

1973	Hayball, Miss G.	85 Homelake House, 36 Station Road, Parkstone, BH14 8UD
1969	Hayter, Miss E.	38 Edgehill Road, BH9 2PQ
1985	Haywood, P.J., B.Sc.	74 Alyth Road, BH3 7ND
1985	Haywood, Mrs V.J.	" "
1988	Hearnshaw, Mrs A.A.	58 Beaufort Road, BH6 5AN
1971	Heaton, Mrs M.I.	8 Mayfair, 74 Westcliff Road, BH4 8BG
1989	Henesey, Mrs. M.	1 Imber Drive, Highcliffe, Christchurch BH23 5BE
1989	Hill, Mrs. M.B.	6 Chine Grange, 8 Chine Crescent BH2 5LL
1985	Hilton, J., M.A.	1 Weston Grange, 10 Gervis Rd BH1 3EG
1985	Hilton, Mrs D., B.Sc.	" "
1985	Hilton, Miss A.J.	6 Burley Grange, 3 Weston Drive BH1 3EH
1973	Hilton, Miss M.L., B.Sc., Ph.D.	47 Belle Vue Gardens, Belle Vue Road, BH6 3DF
1962 *	Hipperson, Miss M.	19 Richmond Wood Road, BH8 9DG
1979	Hodgetts, Mrs E.P.	C12 35 Christchurch Road, BH1 3NS
1974	Holmes, Mrs H.N.	4 Chepping Dene, 15 Wimborne Road BH2 6LY
1984	Hood, Mrs P.	36 Springbourne Court, 130 Windham Road, BH1 4BD
1961 *L	Hooton-Smith, Mrs B.E.	A5 Twynham Court, 20 Dean Park Road BH1 1JB
1981	Hopkins, P.G.H., B.A., B.Sc.	7 Wallace Court, 39 Wallace Road, Broadstone BH18 3NF
1980	Huggins, S.	33 Hartley Down, 60 Christchurch Road, BH1 3PJ
1983	Hull, Mrs P.F.	12 Hilton Grange, 20 Knyveton Road BH1 3QS
1979	Hyde, R.A.	7 Coy Pond Road, Poole, BH12 1JT
1979	Hyde, Mrs. B.F.	" "
1989	Iles, Miss. N.W.	Flat 2, 5 St.John's Road, BH5 6AJ
1983	Illingworth, Mrs J.	25 Baronsmede, 17 Branksome Wood Road, BH2 6DE
1983	Jackson, P.E.	6 St. Swithuns Road South, BH1 3RQ
1989	Jacobs, Mrs. C.	49 Christchurch Road BH1 3PA
1972	Jarrold, Miss C.W.	B35 San Remo Towers, Sea Road, BH5 1JS
1976	Jenkins, Miss C.	16 Avenue Court, 18 The Avenue, Poole BH13 6AQ
1980	Jenkinson, A.G., B.Sc.	4 Warren Edge Road, BH6 4AU
1977	Jesty, Mrs H.S.	Tumlyn, Spetisbury, Blandford DT11 9DF
1976	Jordan, L.E.	18 Braidley Road, BH2 6JX
1976	Jordan, Mrs V.M.	" "
1970	Kent, H.M., B.Sc.	62 Canberra Road, Christchurch BH23 2HW
1970	Kent, Mrs M.	" "
1986	Kernon, Mrs G.L.	652 Castle Lane West, BH8 9UG
1968 L	Kernot, Miss F.L.	5 Edward May Court, Mount Rd, Kinson, BH11
1985	King, Rev. F.W.	51a Clingan Road, BH6 5PZ
1985	King, Mrs K.A.	" "
1987	Kirkpatrick, P.C.	7 Marchwood, Manor Road, BH1 3EY
1988	Knight, Miss J.	127 The Grove, Christchurch, BH23 2GZ
1988	Lammas, Mrs A.	26c Crabton Close Road, BH5 1HN
1977	Langford, H.H.C.	8 Gordon Court, 38 Surrey Road BH4 9BY
1989	Larsson, Mrs. P.M., M.A.	50 Craigmoor Avenue, BH8 9LP
1980	Laughrin, I.G.	46 Smugglers Lane North, Highcliffe BH23 4NQ
1980	Laughrin, Mrs H.M.	" "
1987	Lawless, Mrs M.	5 Twynham Court, Twynham Road, BH6 4AN
1979	Lawrence, H.,	27 Gladstone Road West, BH1 4HZ
1979	Lawrence, Mrs K.	" "
1984	Lawton, Mrs F.E.	67 Homeways House, 10 Pine Tree Glen, BH4 9ES
1987	Layard, Mrs F.S.	Hazelwood Hotel, Christchurch Road BH1 3NZ

1982	Layton, S.F.	7 Sycamore Close, Christchurch BH23 2EL
1987	Leather, Mrs L.G.	8 Norwich Mansions, Norwich Avenue West, BH2 6AL
1966 +V	Lee, W.H.	18 Ravenshall, West Cliff Road BH4 8AT
1967	Lee, Mrs L.B.	" " " "
1975	Lees, R.G.	4 Seacliff Court, Clifton Road BH6 3PB
1981	Leonard, Mrs A.C.	12 Argyle Road, Christchurch, BH23 3NW
1983	Le Pard, D.A., F.R.E.S.	Silver Crest, Silver Street, Sway, SO41 6DF
1983	Le Pard, G., B.Sc., F.R.E.S.	Matchams View, Hurn Road, Ringwood BH24 2BP
1985	Levick, Mrs. E.M.	25 Crescent Court, Chine Crescent, BH2 5LA
1983	Levy, D.R.H.	25 Cedar Avenue, Christchurch BH23 2PS
1970	Lilly, Mrs P.	78 St. Lukes Road, BH3 7LU
1975	Lister, Dr. M., M.Sc., Ph.D.	6 Katterns Close, Christchurch BH23 2HS
1986	Loader, W.E.	28 Parkway Drive, BH8 9JW
1986	Loader, Mrs D.	" " " "
1987	Loakes, Mrs J.M.	8 Leven Close, BH4 9LF
1934*+V	Lowther, Miss D.M., B.Sc.	15 Mayfield Avenue, Poole, BH14 9NY
1984	Luckett, Miss J.	9 Wilverley Gardens, Queens Road, Blandford, DT11 7LE
1976	Lund, Mrs M.S.	8 William Road, BH7 7BA
1988	McClumpha, M.J.	10 Devon Road, Poole, BH15 3QQ
1986	McDiarmid, L.	7A Beechwood Avenue, BH5 1LZ
1988 A	McKenzie, G.	26c Crabton Close Road, BH5 1HN
1974	McMullin, Mrs E.G.	B8 St. Catherines Court, 35 Christchurch Road, BH1 3NS
1986	Macdonald, Mrs J.	D5 Kings Walk, 19A Knyveton Road BH1 3QZ
1983	Mackintosh, Miss S.M.	52 Coombe Avenue, BH10 5AE
1973	Maddox, C.B.M.	31 Egerton Road, BH8 9AY
1956 *	Maddox, Mrs L.M.	" " " "
1978	Mann, Mrs M.	9 Endfield Close, Christchurch BH23 2HH
1984	Marsh, Mrs S.M.	8 Holme Road, Highcliffe, BH23 5LJ
1985	Marshall, A.	5 Exbury Drive, Bear Cross, BH11 9HW
1989	Marshall, F.	14 Knole Hall, 60 Knyveton Road BH1 3QX
1989	Marshall, Mrs. V.	" " " "
1967	Martin, F.B., F.C.I.I.	C25 San Remo Towers, Sea Road, BH5 1JT
1983	Martin, Mrs K.	" " " "
1989	Maynard, L.K.	9 Banks Road, Poole BH13 7PW
1976	Merchant, Miss J.M.	7 Stourton Court, Marlborough Road, BH4 8DE
1988	Merritt, Mrs M.	10 Wren Close, Christchurch BH23 4BD
1989	Miles, K.E.T.	111 Station Road, West Moors Wimborne BH22 OHS
1989	Miles, Mrs. E.	" " " "
1983	Mitchell, Miss J.E.	266 Holdenhurst Road, BH8 8AW
1984	Mitchell, S.F., M.I.E.E.	162 Cranleigh Road, BH6 5JD
1959 *V	Mitton, J.C.	3 Gainsborough Road, BH7 7BD
1970	Mitton, Mrs M.	" " " "
1988	Moffat, N.J., B.Sc., M.Sc., Ph.D.	117 Southbourne Overcliff Drive BH6 3NP
1987	Monk, Mrs B.E.	41 Boundary Road, BH10 4HN
1972	Moore, W.H.	13 Eldon Road, BH9 2RT
1981	Morgan, W.D.	47 Sandecotes Road, Poole, BH14 8PA
1973	Morris, T.E.	Sandpit, Frogham Hill, Fordingbridge, SP6 2HW
1973	Morris, Mrs J.F.	" " " "
1989	Mosley, F.H.	2 Rayscliff, 58 West Cliff Road BH4 8BE
1989	Mosley, Mrs. H.	" " " "
1989	Mosley, Miss K., LRAM.	4 Bolton Court, Belle Vue Road BH6 2DQ
1984	Mountain, Mrs A.	10 Elms Avenue, Lilliput, BH14 8EF
1987	Mullins, Miss G.J.	4 Portman Crescent, BH5 2ER

1989	Murray, A.R.	48 Rempstone Road, Merley, Wimborne BH21 1RP
1989	Murray, Mrs. E.E.	" " " "
1973	Nash, G., M.A., F.R.A.S	12 St. Annes Road, Upton, Poole BH16 5PT
1984	Newman, Mrs E.M.	C7 St. Catherines Court, 35 Christchurch Road, BH1 3NS
1967	Nicklen, Mrs L.V.	77 Holdenhurst Avenue, BH7 6RB
1988	Norman, Miss N.	49 Christchurch Road, BH1 3PA
1984	North, K.J.	12 Littledown Avenue, BH7 7AN
1977	North, Mrs J.L.	" " "
1988	Norton, Mrs B.M.	15 Dewlands Park, Verwood, BH21 6DR
1977 L	Norvall, Miss A.C.	23 Exton Road, BH6 5FQ
1982	Obee, Mrs G.E.	16 Southwick Road, BH6 5PT
1989	O'Brien, Mrs. S.	7 Richmond Chambers, The Square BH2 6EE
1986	Odum, Mrs L.M.	D13 San Remo Towers, Sea Road, BH5 1JT
1957	Odell, Mrs G.C.	4 Barclay Mansions, St. Valerie Road, BH2 6PF
1970	Offen, E.C.	4 Ranelagh Road, Highcliffe, Christchurch
1970	Offen, Mrs M.J.	BH23 5DY
1989	Okey, K.H.	37 Pearce Avenue, Poole, BH14 8EG
1989	Olden, N.R.	Abberleigh House, 46 Southwood Avenue
1986	Oldfield, Miss E.	66 Keith Road, BH3 7DX
1987	Osborn, A.	12 Stibbs Way, Brangsgore, BH23 8HS
1987	Osborn, Mrs R.	" " " "
1987	Page, Mrs M.R.	8 Craigmoor Close, BH8 9LU
1969+VL*	Parkinson, J.G., F.Z.S.	45 Belle Vue Road, BH6 3DF
1969+VL*	Parkinson, Mrs M.K.	" " " "
1963 L	Payne, Miss H.I.	60 St Albans Avenue, BH8 9EQ
1983	Pearce, Mrs L.E.	26 Berkley Manor, 317 Poole Road Poole, BH12 1AA
1984	Phillips, Miss M.A.	9 Derby Road, BH1 3PX
1989	Philipson, Mrs. S.	85 Bath Hill Court, Bath Road BH1 2HT
1986	Pike, Mrs L.	5 Wellesley Court, 36 Wellington Road, BH8 8JS
1983 L	Pinniger, R.S., M.R.C.V.S.	50 Branksome Wood Road, Poole BH12 1HR
1989	Ponsford, Mrs R.E.M.	18 Seaway Avenue, Friars Cliff, Christchurch BH23 4EU
1987	Pope, A.E., C.E., M.I.E.R.E.	33 Pine Crescent, Christchurch, BH23 4LH
1987	Preston, Prof. T.A., M.A., F.M.S., N.A.I.C., M.A.S.A. Eng.	30 Russell Drive, Christchurch BH23 3PA
1989	Punter, Miss A.	33 The Grove, Christchurch BH23 2EY
1982	Purse, Mrs R.M.	1 Stour View Court, 118 Hurn Road, Christchurch, BH23 2RP
1988	Quaife, Mrs G.L.	10 Felton Road, Poole, BH14 0QS
1989	Quarm, R.	Flat 1 1 Boscombe Overcliff Drive BH5 1JB
1989	Quarm, Mrs B.	" " " "
1979	Randall, Mrs C.	4 Mude Gardens, Mundeford, BH23 4AR
1975	Ratcliffe, G.L., F.C.A.	11 Penrith Road, BH5 1LT
1975	Ratcliffe, Mrs M.N.	" " "
1985	Raumann, S., B.Sc.	5 Elphinstone Road, Christchurch BH23 5LL
1985	Raumann, Mrs M.S., B.A.	" " "
1983	Richards, Mrs E.C.	65 Admirals Walk, West Cliff Road BH2 5HG
1984	Roberts, Miss E.	F12 Pine Grange, Bath Road, BH1 2PN
1988	Roberts, M. B.Sc.	19 Lacy Drive, Wimborne, BH21 1AY
1988	Roberts, Mrs M.E.	" " "
1977	Robins, W.O., A.R.I.C.S.	85 Petersfield Road, BH7 6QN
1979	Robins, Mrs F.V.	" " "



1939	Rosenkranz, Mrs S.P.	15 St. Anthonys, 23 West Cliff Road, BH2 5AB
1963 L	Rossiter, Mrs D.M.	5 Park Homer Road, Colehill, Wimborne, BH21 2SP
1970	Rowe, Miss L.M.	23 The Bluff, Headswell Crescent, BH10 6LQ
1967	Russell-Cotes Art Gallery	East Cliff, Bournemouth, BH1 3AA
1975	Rust, Mrs P.	95 Holdenhurst Avenue, BH7 6RB
1970 L	Ruston, J.R.	Flat 1, 3 Moorland Road, BH1 3ST
1988	Santall, Mrs P.B.	262A Windham Road, BH1 4QX
1980	Saunders, Miss B.A.	Dormer Cottage, Gaunts Common, Wimborne, BH21 4JR
1975 L	Saunders, Mrs M.W.	2 Memorial Homes, Castle Lane, BH8 9TP
1954	Saunders, Miss W.A.	10 Duncliffe Road, BH6 4LJ
1970	Scott, S.A.	6 The Close, Charlton Marshall, Blandford DT11 7HA
1985	Scott, Mrs A.E.	" " "
1976	Scutter, Mrs L.M.	12 Oakwood Road, Highcliffe, BH23 5NH
1960 *	Sephton, Mrs N., M.B., Ch.B.	1/4 Talbot Avenue, BH3 7HU
1951	Sewell, Mrs I.	4 Maundeville Crescent, Christchurch, BH23 2EW
1988	Sharland B.	1 Fishers Heron, East Mills, Fordingbridge, SP6 2JR
1982	Shaw, I.A., B.Sc., M.I.Mech.E., F.R.N.S.	61 Haven Road, Poole, BH13 7ZH
1989	Shepherd, G.R.	27 Winston Gardens, Poole BH12 1PN
1981 L	Shepherd, L.H.	1 Coronation Avenue, BH9 1TN
1982	Shewring, Miss J., M.A.	19 William Road, BH7 7BB
1987	Ship, Miss M.	18 Cranleigh Court, Cranleigh Road BH6 5JZ
1985	Shute, Miss W.	8 Upton Way, Broadstone, BH18 9LY
1980	Siggs, D.	18 Parkstone Avenue, Poole, BH14 9LR
1984	Simmons, Mrs P.	6 Wychwood Grange, 50 Braidley Road, BH2 6JY
1983	Simpson, E., B.A., M.Sc. F.R.I.C.S.	9 Glenmoor Road, BH9 2LD
1983	Simpson, Mrs Edna	" " "
1989	Slater, Miss B.M.	Flat 19, 6 Wimborne Road, BH2 6NG
1989	Singh, Dr D., MB., DPH,	3 Villa Riva, 9 Marlborough Rd BH4 8DB
1986	Smith, J.E.G.	1 Fieldway, Highcliffe, BH23 4QU
1986	Smith, Mrs B.	" " "
1985	Smith, Miss J.M.	9 Derby Road, BH1 3PX
1986	Smith, Mrs S.	20 Purbeck Road, BH2 5EF
1989	Smith, L., T.Eng.FBIS	3 Grove Road, Barton on Sea, New Milton BH25 7DT
1989	Smith, Mrs J.P.	" " "
1989	Smith, R.L.	36/38 Norwich Ave. West, BH2 6AW
1975	Souter, Miss E.E.	9 Rowan Close, Highcliffe BH23 4SW
1971	Southworth, Mrs. N.K.G., M.A.	26 Durley Chine Court, West Cliff Road BH2 5HJ
1976	Sparkes, G., M.I.E.E.	68 Clingan Road, BH6 5QA
1976	Sparkes, Mrs M.	" " "
1986	Spencer, M.A.	42A Gorleston Road, Poole, BH12 1NW
1986	Spratt, S.E.	204 Uplands Road, West Moors, Wimborne, BH22 6EY
1988	Spratt, Mrs P.M.	" " "
1984 A	Spratt, D.A.	" " "
1984	Stanford, Mrs J.M.	117 Wick Lane, BH6 4LD
1987	Stirling, H.C., B.Sc.	17 Greenacres, 22 The Avenue, Poole, BH13 6AJ
1989	Stirling, Miss J., M.B.E.	17 Greenacres, 22 The Avenue Poole BH13 6AJ
1976 +V	Stocker, Miss M., B.A.	21 Amberley Court, Bath Road BH1 2HL
1984	Summerville, Miss B.C.	18 Sunnyhill Road, BH6 4HP
1988	Sweet, Miss A.	24 Sunnyhill Road, BH6 5HP
1988	Sweet, Miss B.	" " "

1980	L Sykes, J.R.	11 Castle Lane West, BH9 3LJ
1979	Taconis, Miss R.M.	78 The Grove, Christchurch, BH23 2HD
1989	Taylor, C.J.	15A Wharfedale Road, BH4 9BT
1980	Taylor, F.	38 Hillbrow Road, BH6 5NT
1979	Taylor, Mrs. M.M.	" " "
1989	Taylor, Mrs H.M.	9 Derby Road, BH1 3PX
1967	+V* Teasdill, G., F.M.A., F.R.S.A., F.R.N.S., F.Z.S.	99 Carbery Avenue, BH6 3LP
1967	Teasdill, Mrs N.A.	" " "
1984	Teasdill, Miss P.A.	" " "
1983	Teasdill, Mrs V.	287A Belle Vue Road, BH6 3BB
1977	Thomas, Mrs S.	106 Sopwith Crescent, Wimborne BH21 1SP
1988	Thompson, Miss A.R.	Flat 5, 40 Stirling Road, BH3 7JQ
1982	Tiller, B.A.	5A New Road BH10 7DN
1982	Tiller, Mrs M.	" " "
1988	Tomkin, Miss N.E., B.A., MCSP., Dip. TP.	59 St. Catherine's Road, BH6 4AD
1975	* Towndrow, Mrs I	C4 St. Catherine's Court, 35 Christchurch Rd BH1 3NS
1989	Underhill, Mrs B.R.	D3 Sanremo Towers, Sea Road, BH5 1JU
1981	Underhill, Miss M.L.	10a Glen Road, BH5 1HR
1981	Underhill, Mrs R.A.	25 Leonard Hackett Court, St. Winifred's Road, BH2 6NY
1981	L Vassie, G.J., F.R.E.S.	40 Cranleigh Gardens, BH6 5LE
1981	L Vassie, Mrs B.A.	" " "
1989	Vear, Rev F.H.	3 Glenroyd Gardens BH6 3JN
1982	Walker, Miss M.J.	18 New Road, Northbourne, BH10 7DT
1985	L Walker, Miss W.B.	16 North Craig, Windermere, Cumbria LA23 2ET
1974	* Wall, T.R.	17 St. Mary's Road, Ferndown, BH22 9HB
1987	Wallbridge, Miss E.	16 Riverside Road, BH6 5NN
1984	Waller, H.M., B.Ed.	200 Uplands Road, West Moors, BH22 0EY
1980	Warburg, Mrs A.M.	11 Katterns Close, Christchurch, BH23 2NS
1977	* Watson, F.R.	79 Brackendale Road, BH8 9HZ
1988	Webb, Mrs P.	2 Ash Grove, Ashurst, Southampton, SO4 2EN
1988	Weeks, Miss B.E.	37 Howeth Road, BH10 5DY
1979	Westbrook, Mrs S.	15 Wheelers Lane, Bearwood, BH11 8RR
1989	Westrap, H.A.	14 Aldridge Road, BH10 5NW
1983	Whattoff, Miss E.M.	48 Belle Vue Gardens, Belle Vue Road BH6 3BG
1970	*L Wheeler, H.P.	47 Belle Vue Road, BH6 3DD
1970	L Wheeler, Mrs L.	" " "
1982	L Whieldon, T.P., B.Sc.	10 Branders Lane, BH6 4LL
1982	L Whieldon, Mrs M.	" " "
1988	Whiteside, Mrs A.	393 Verity Crescent, Poole BH17 7TS
1989	Whitmore, Miss S.M.	48 Victoria Road, Poole BH12 3BB
1978	Whitised, W.J., F.R.S.A.	41 Feversham Avenue, BH8 9NH
1985	Williams, B.P.	76 Huntly Road, BH3 7HT
1979	Williams, Mrs M.	" " "
1987	Williams, Mrs M.	39 Homeleigh House, 52 Wellington Road, BH8 8LF
1986	Willis, A.G.	Chapel Farm, Little Ashby, Cumbria CA16 6QE
1985	Wilson, G.H.	15 Mount Pleasant Drive, BH8 9JL
1989	Wilson, Mrs B.A.T	34 Selkirk Close, Merley, Wimborne BH21 2JP
1972	* Wilson, F.W., F.C.I.S.	9 Pascoe Close, Poole, BH14 0NT
1988	Windsor, Miss A., B.A., Dip	Ed. 83 Southbourne Overcliff Drive, BH6 3NW
1976	L Winter, Mrs A.R.	10 Lakeside Road, Branksome Park, BH13 3LR
1979	* Winter, Miss P.E., M.A.	23 The Anchorage, 157 Mudeford, BH23 4AG

1979 +V	Winter, Miss R.H.D.	23 The Anchorage, 157 Mudeford, BH23 4AG
1948	Wood, Miss E.B., B.Sc.	4 New Park Road, BH6 5AB
1971 L	Wood, Mrs D.L.	6 Crofton Court, 37 Wellington Road, BH8 8JH
1985	Woodhead, Miss E.T., B.Sc.	7 Compton Lodge, Marlborough Road BH4 8DD
1986	Woodhead, Mrs F.A., B.Sc.	28 Hungerford Road, BH8 6EH
1981	Woods, Mrs J.M.	6 Knole Gardens, BH1 3QY
1983	Workman, Mrs C.N.	99 Carbery Avenue, BH6 3LP
1975 L	Wrenn, G.	99 The Avenue, Moordown, BH9 2UX
1984	Wright, Mrs J.	8 Kimberley Road, Poole, BH14 8SQ
1967 L	Wright, Mrs A.K.	24 Morrison Avenue, Poole, BH12 4AD

## OBITUARIES

It is with deep regret that we have to announce that during the past year the following members have died ( the figure in brackets is the year of joining the Society):-

Mrs F.M. Crawshaw (1972)  
 Mr W. Bentley (1984)  
 Miss F. Wood (1980)  
 Mrs G.M. Thomas (1965)  
 Mr T.C. Southworth (1971)

Mr A. Gray(1986)  
 Mrs M.L. Elgood (1979)  
 Mrs H.M. French (1970)  
 Mr F. Oldham (1971)  
 Miss M.H. Fewkes (1977)

Mrs G.M. Thomas M.A., B.LITT.

The death of Mrs Gladys Thomas on April 8th 1989 came as a great shock to many members.

She joined the Society with her late husband, Mr W.C. Thomas, in 1965 and very quickly took a leading part in all our activities. In 1978 she became President and subsequently Vice President. She was an outspoken Member of Council on which she served until her death.

With her husband "Bill" she organised and led thirteen five-day field meetings which were eagerly looked forward to and enjoyed by many members of our Society. Until shortly before her death she amazed everyone by her vitality.

Her great love of our garden was marked by the donation of a lovely pond in memory of her husband and subsequently by a generous legacy for garden upkeep.

She will be greatly missed.

J.G.P.

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Mr F. Oldham M.A., B.Sc., J.P.

Mr Frank Oldham, a Member of this Society since 1971, died on September 25th aged 86 in Bangor Hospital, North Wales, after a period of residence at Llandegfan in Anglesey.

He early became Chairman of Physics and Chemistry Section and was happy to serve later on other Committees, Library, Garden and Finance and General Purposes.

He became President of the Society in 1977. His wife, Dorothy, died in March 1976, after a short illness.

Together they had had 13 very enjoyable years in Boscombe, after retirement. For 30 years he was Head Master of Hinckley Grammar School, Leicestershire.

His years seemed to have been packed with constant activity and an insatiable curiosity for knowledge and information.

Many interests occupied his life, including, Gardening, Music, Literature, History, Current Affairs - and above all - people.

At the time of his death, he was engaged in writing a historical synopsis of English History for one of his grandsons.

A very kindly, generous man, he will be much missed by his family and his many friends.

Miss B.M. Ball

# PRESIDENTIAL ADDRESS

TIME IN THE EAST

by Michael P. Bentley O.B.E., C.Eng.

Delivered before the Society on 14th October, 1989

I could easily have titled this talk "Lost Empires" as I would like to speak about places which are or were largely lost by war or devastation, or merely by the mixed blessings of the advance of progress. More specifically I want to refer to those times and places which are remembered with a particular pleasure, so that unavoidably this becomes a personal account. The three areas I have chosen make up three sections, starting with the one I know best, Malaya, as it then was, in the distant past of the forties and fifties.

MALAYA 1948-1958. Peninsular Malaysia covers about 132,000 sq.kms., comprising a long finger of land, bordering Thailand in the north, and stretching down to the Republic of Singapore in the south, and with a 5500km. coastline with the Straits of Malacca on one side and the South China Sea on the other. The climate is hot and humid, with erratic seasons of heavy rain or dry weather, as might be expected of a country only a few degrees north of the Equator. Malaya was the Golden Chersonese of history, shown in maps as far back as the second century A.D. In early 1948, despite the aftermath of the Japanese Occupation, it was a beautiful country, a contented paradise which was not to last.

In September of that year, I sailed for Malaya, flying on to Singapore after a break in Colombo. Three months earlier, in June, an armed uprising had broken out in the country, with the aim of Communist domination and the British declaration of a State of Emergency gave me some cause for concern. Further misgivings followed as I travelled up from Singapore by the night mail, eyeing notices which warned travellers to drop on the floor, and to remain there, the moment that shooting started. The Emergency was declared following a spate of violence, strikes and murder, leading to fatal attacks on British planters and tin-miners, and of course upon the Police and Army. Estates and mines went on the defensive with vital areas surrounded by barbed wire perimeters and floodlights, and key personnel protected by armed Police and armoured cars. Estate managers and similar targets would always travel armed, and bars and clubs in the main towns would take on the appearance of a Western saloon. In estate bungalows, an under-shelf to the dining table would permit a gun or guns to be ready at hand during meals.

During the war, arms had been ferried or dropped to bands of Chinese Communist guerrillas as well as to associated groups of British personnel and Malays, most of whom had been in the jungle since the collapse of Singapore in February, 1942. The Chinese Communists, disbanded after the war (but not, unfortunately, disarmed sufficiently), had reorganised clandestinely, and become a formidable enemy. Much effort, loss of life and social upheaval resulted, together with the promise of independence for the country, before British and eventually Malaysian control could be regained. Consequently, the years from 1948 were dodgy, with a life of considerable danger for British planters and miners and for members of all races who resisted the terrorists' pressure, something that was by no means easy. In retrospect, I was fortunate in having work as an engineer which required considerable travelling throughout the country and which gave me a love of the countryside. Travelling in the standard "armoured car" gave me no confidence - this was the cumbersome post-war Ford V-8 with strengthened springs and cast steel wind-up windows and drop-down shield for the windscreens, and I soon adopted camouflage and travelled more happily and unarmed in an old Morris Minor.

Malaya at that time was not a developing or developed country in the modern sense, and despite large areas of rubber and, later, palm oil, as well as rice fields and vegetable crops, much virgin jungle still stood and, in turn, much of this was only starting to be logged as the Security position improved. Coupled with my growing liking for the country, it was a particular pleasure to get out of town at weekends and with friends, to explore jungle tracks - sometimes natural jungle, but more often secondary jungle with the ease of following old logging roads and trails despite the rapidity of natural regeneration. It was perhaps surprising what we did not see - no Communist terrorists (if indeed they were around in these areas) and remarkably little wildlife apart from birds.

Animals were a rarity but I remember stumbling across a hairy ant-eater which shuffled off with some disdain. On another occasion we found ourselves close enough to hear the considerable noise of a herd of elephants on one of their regular route marches, and later came across the evident signs of their recent presence. Seeing a tiger's pugmark - but no tiger - was perhaps the peak of excitement. Snakes were rare and I held firmly to the belief that they and I shared a mutual fear of each other. Ever-present was the unbroken noise of cicadas and, less welcome, the harassment of mosquitoes and also of leeches which ranged in size to some particularly nasty ones the length of a pencil, virulent green. All were able to make their way silently to any available source of nourishment, so that matches or lighter and cigarettes were essentials for us. They have a wonderful ability, possibly a heat-seeking sense, so that even a temporary pause in our wanderings would catch these creatures raising themselves as if to sniff the air, and then to loop slowly but surely across the intervening ground for their next meal.

But it was above ground that so much life could be seen, either in the open or under the great crowns of the forest giants. Gibbons were a great delight with their distinctive "wah-way" cry and their agile and graceful crashing from tree to tree. Birds of course were everywhere and only too late did I realise what a wonderful variety existed, which I had taken for granted, and how much I missed by being an indifferent naturalist. Our garden for years had a tall tree with a pair of serpent-eagles in residence, and daily we could see and hear golden orioles with their exceptional and lovely liquid song, the drongos with their lyre-shaped tails, Straits robins and so many others. Elsewhere it was possible to see hornbills, singly or in flights, their wing-beats sounding like rusty gate hinges as they flew overhead. At night, the car headlights would pick up the glowing red eyes of the nightjar, flying clumsily off at what seemed to be a dangerously late moment.

There were many unspoilt streams and rivers, with plenty of life in them, supplemented by waterfalls of varying sizes where the damp residues of salts attracted butterflies in their scores, at times a vivid and brilliant sight. It was of course possible to get lost, especially with a companion having the firm belief that he knew exactly where we were and the location of a quick and sure short cut to our car. One Christmas Day, we bravely climbed a mountain close to our hotel in the Cameron Highlands, possibly a rather foolish expedition in a Security area. We reached the top of Brinchang at 6666 feet by noon, exhausted, thirsty, tired and soaked by alternating rain and mist, and water from overhanging foliage. There was little to see through the mist, no view beyond a few feet, except dwarf trees and shrubs such as scrub rhododendron. Assured - as I thought - of our position and the much-needed short-cut, sadly both an illusion, we stumbled on until dusk had fallen, reaching a small tea-estate 26 miles from our start, where with considerable relief and gratitude, Father Christmas approached in the shape of a gnarled old Chinese small-holder driving an equally gnarled old jeep, who gave us a lift back to safety and a late Christmas dinner.

Further north is the state of Perak, centre of the Kinta Valley and of tin-mining in their country, where a predominant feature is the many magnificent outcrops of craggy limestone rising out of a flat plain. Many have caves, a few with signs of occupation, either by Stone Age man as well as, more recently, by terrorists. Others have been adopted and converted into Buddhist temples by the addition of white-painted outbuildings topped with red-tiled pagoda roofs.

These caves can be beautiful as well as claustrophobic, and one outstanding cave, some miles north of Ipoh, was virtually unknown. It was also small and exquisite. The deposits of suspended limestone showed brilliantly in torchlight on the floors and, especially, the walls where the sheets of crystal, although static, appeared to flow under the light. It was spectacular and that cave remains for me a gem of perfection. One rock face, just outside Ipoh, appeared to have been the inner wall of a long-collapsed cave, and was notable for some prehistoric rock paintings. I wondered then, as I still do, what artistic impetus united these artists with those in other and diverse parts of the world, such as Australia and Europe, and with designs having so much in common.

Lastly, I must mention the East Coast, which, up to the Sixties, was unspoilt, and rather neglected and little touched by progress. The shoreline was magnificent, with mile upon mile of white sand, edged on the one side by coconut palms and casuarinas and on the other, by the sea, at times, heavy and pounding. There was little to disturb the coastal villages, with their traditional way of life, usually a hard one and close to a bare subsistence, won by the fisher-folk.

One particular feature of this area is the giant leatherback turtle, one of seven varieties said to visit this coast. The giant leatherback is reputed to reach up to 11 feet in length and to weigh up to 1600 lbs. Their laborious efforts, as they lay their eggs in the late evening, provide a memorable sight, marred by the indignity that the turtles suffer at the hands of tourists and the inevitable flash cameras, and by the work of the licensed egg-collectors. It is only fair to record the conservation work of the nurseries. One evening especially, following a light shower of rain, we saw the sandy surface of the protected nursery area suddenly broken by the appearance of tens and then scores of newly-hatched turtles, barely the size of the palm of one's hand, instinctively scampering towards the sea, and towards a better chance of survival.

#### CAMBODIA: ANGKOR:

I must now leave Malaya and move on to Angkor. We were fortunate on being able to fly to Cambodia in 1966 to visit the great temples of Angkor, and to do this at a time of relative peace, despite the developing war in Vietnam. We were spared any foreboding of the horrors of the years to come for this gentle, charming and staunchly-Buddhist race, and even had we had foreknowledge, the future would have appeared incomprehensible.

The capital, Phnom Penh, through which the great Mekong River flowed, still retained traces of French influence. However we soon moved on to a provincial capital, Siem Reap, the centre of our visit. Little remains of the great city or cities of Angkor as by and large, stone and brick were only used for places of worship - even palaces were of wood and so have not survived, while there were no human congregations within places of worship.

These great buildings were raised while we in this country were still progressing from Saxon times to the Norman Conquest and to mediaeval Britain. At the time of the Conquest, London had only about 20,000 inhabitants, with even less in York, about 5,000. It should however be remembered that at the time of the reign of Suryavarman II, who died about 1150, the great cathedrals of Chartres and Notre Dame were being built.

The rulers were probably Indian migrants originally, bringing their Hindu religion and culture, but eventually Buddhism became the dominant religion. This led eventually to a simple, democratic and poverty-loving form, which may well have eroded the powers of the rulers and contributed to the decline of the empire.

Angkor was the centre of a great Khmer empire for many years, and of a great civilisation, if it is civilised to base a country's prosperity on slave labour. Not greatly differing in time, there is the comparison with these other great civilisations on the other side of the world, and not dissimilar, as the Incas, Aztecs and Mayas developed their temples.

For various reasons, the death of Jayavarman VII about 1220 spelt the death knell of Khmer power, and after two centuries of nondescript kings, Angkor was sacked by the Thais in 1430. Two years later, the area was abandoned, the end of a great period of Khmer success. There are many possible reasons for leaving Angkor, but the predominant one was security. Angkor was too close to the Thai border for comfort, and the Thais had become strong and formidable adversaries, forcing the removal of the capital to a more central position.

Angkor was in a sense lost to the world but in 1869, a wandering French naturalist, Henri Mouhot, came round the corner of a forest path and saw through a gap in the green foliage, the great grey towers of Angkor Wat, like, as he later said, being "suddenly transported from barbarism to civilisation, from profound darkness to light".

At the time of our visit, the monuments, jungle and animal life seemed to live in harmony. Monkeys were ever-present, especially in and around the temples, where lizards basked on the hot stones, and with a variety of birds in the semi-jungle. The dry air encouraged activity and we were able to climb up and about the various temples at leisure, both those that had been painstakingly rebuilt or those in ruins. One particular pleasure was to travel in the late afternoon, the sun dropping low, the air golden in the dusty haze, in what was called a cyclo-pousse, a motorised trishaw. This was a delightful way to see the area, the peace only partly broken by the hiccups of the two-stroke engine as we worked our way along tarmac lanes, shaded by scrub oaks, and with a genial young driver as a guide.

Some temples were overgrown or in disrepair even then, despite the work of over a century. The damage wrought by nature was plain to see, with the roots of banyan and fig trees writhing along and through the stonework like giant pythons - not inappropriate in view of the repeated representations of the nagas, the giant snakes at various temples. At one in particular, Angkor Thom, the balustrades of the causeway to the buildings comprised many-headed nagas, one held by a row of demons and the other by a parallel row of giants.

The temples varied considerably. The vast central temple of Angkor Thom, called the Bayon, displayed the many faces of the Buddhist king, Jayavarman VII. He was a Buddhist and, as may be imagined, most probably a megalomaniac. Others like Bantei Serei were architectural delights, overlaid with ornate and stunning carving, but still buildings of perfection. In contrast, the largest temple, Angkor Wat, had outside walls forming a square, each wall a mile in length, covered in detailed and massive bas-reliefs. This temple was the product of Suryavarman II, a powerful king who subdued the neighbouring kingdom of the Chams. His victories did not last however, leading to defeats, but nonetheless, he commemorated his battles in these great bas-reliefs. Other areas devoted to murals as well as bas-reliefs stretch for considerable distances, depicting details from Hindu epics and other books. Among such decoration are the delightful light carvings picturing the devatas and apsaras, heavenly females but



sufficiently human to be both exquisite and just a little erotic.

Pleasurable all this may have been to us, but it was a mixed pleasure to approach Angkor Wat by elephant, the two of us perched precariously on the flimsiest of wooden saddles, unbearably uncomfortable and with no feeling of confidence in our stability. We would lurch precipitously downwards into the moated area between the outer walls and the temple buildings proper, and through the shallow water, just able to appreciate the grandeur of Angkor Wat. It is a masterpiece, matching the great cathedrals of the West, and yet surpassing them in splendour and size with perfect proportion and total assurance. I can well believe that Angkor Wat may be Man's largest building devoted to religion.

#### THE LEBANON, HATTIN & BEAUFORT:

In August, 1968, we made a brief visit to Israel and I was able to fulfil a long-standing ambition to see the site of a long-ago battle, that of Hattin in 1187. This was a critical event in Middle East, and indeed world history, and one whose impact is still felt in this troubled area. So many lessons of these events of long ago are still very relevant today. The battle spelt defeat and disaster for the Crusaders at the hands of their Muslim enemies.

Hattin lies on the broken rim of an extinct volcano. Why the name of the site as the Horns of Hattin, I do not know except that from a certain angle it is just possible to see the folds of the slopes on either side as resembling the horns of a steer, or as saddle-shaped. The land otherwise is flat, but sweeps down to Tiberias and to the glittering waters of Lake Tiberias, the Sea of Galilee, which it overlooks.

The first Crusade in the 11th century had established the Kingdom of Jerusalem with its associated Principality of Antioch and counties of Tripoli and Edessa in the north. In the subsequent 90 years, Crusaders - or Franks as they were known - settled, becoming to some extent orientalised, and building strong defensive fortresses and maintaining the frontier against Arab attacks.

The Saracen leader at this time was Saladin - Sala-ud-din, "Honouring the Faith" - born in Damascus in 1138. By 1187, he had united the Turkish and Arab tribes to make a formidable enemy with the resources of a vast empire covering most of south-west Asia. He was an inspired leader, the noblest and ablest the Crusaders were ever to fight, with remarkable chivalry and humanity. Conversely the Kingdom was becoming increasingly divided and disunited. One among many reasons was the presence of two factions, the one seeking a measure of accommodation with the enemy to ensure peaceful co-existence and so survival, the other determined to maintain and if possible enlarge the frontiers by the edge of the sword. The latter policy was to be decisive, with fatal consequences.

A truce between Saracen and Crusader, made in 1184, was treacherously broken by Reynaud de Chatillon, Seigneur of Krak, Lord of Outrejourdain, and a very powerful noble. His fortress of Krak was massive and unassailable, and from this he swooped on to a lightly-defended Muslim caravan crossing his territory under the truce. Worse, history relates that Saladin's sister was part of it. The guards were slaughtered, the booty was tremendous, and the merchants and others held for ransom. Saladin, not surprisingly, declared the jihad, the holy war.

In the hot dry summer of 1187, Saladin and his army crossed the Jordan, besieged and took Tiberias, excepting for the fortress, held by the Countess Eschiva, wife of Count Raymond. The King, Guy de Lusignan, a weak, foolish and vacillating ruler, was at Acre, held Council and moved with his army to Sephora, west of the lake and a strong position with water and good pasturage. All he had to do was to wait; Saladin could not stay long without water and forage in that desolate area.

However, after this course of action was decided, largely by Raymond's argument, (despite his wife's predicament), Reynald da Chatillon and Gerard, Grand master of the Templars and an implacable enemy of Raymond, crept back into the King's tent later that evening and had the decision reversed. The army marched at dawn.

They marched in the July heat across barren hillsides, suffering agonies of thirst, slowed by attacks from Saracen sharpshooters and skirmishers, and finally camped at Lubieh near the village of Hattin where there was a well. It was dry. A desperate night followed, those who tried to break out of the cordon set by Saladin's army in search of water were killed. The Saracens attacked at dawn. The Crusader army fought with great bravery and desperation, but were demoralised by their raging thirst and maddened by sight of the waters of Lake Tiberias, especially when the Saracens fired the dry summer grass of the slopes of Hattin. With an offlake wind, smoke and ash caused further tribulations to the Crusaders. Defeat was certain.

"Under the Horns of Hattin, The hope of the world went down" wrote G.K. Chesterton, graphically. More telling was the remark of an Arab chronicler who said that "if you had numbered only the multitudes of prisoners awaiting slavery, you would have said: Then were none of the infidels slain? If you had seen the vast pile of corpses: Then were none taken alive?" It was said of one Saracen as having so many Christian slaves that he exchanged one for a pair of sandals.

The Kingdom collapsed, Jerusalem fell, the castles surrendered, even Tiberias, along with Beirut and Sidon, but in the north some survived for a while, including one called Beaufort.

Back to the twentieth century. In 1966, we spent some day in the Lebanon, based on Beirut, with little sign then to an outsider of the bitter fighting to come between Christian and Muslim. The country was delightful, with much that could be seen easily and with friendly inhabitants. Beirut offered a sophisticated and cosmopolitan scene, except of course for the poor, with the opportunity to make money and to enjoy life at the same time. We were able to enjoy something of these attractions and to visit many places of interest - up into the snow-capped hills where a scattering of Cedars still exist, and inland to walk round the massive and inspiring ruins of Baalbek with its great pillars. We went south to Tyre and Sidon, where one particular memory was of a recently-excavated gravestone, the Greek characters as sharp and clear-cut as if carved yesterday. We also went north, passing the narrow defile by Dog River where the cliffs are close to the sea. I was told that these cliffs had many self-congratulatory messages cut in the rock by past conquerors - Pharaonic, Babylonian, Assyrian, Greek and Roman, up to those made more recently by Allenby's men in 1917 and by the Free French and British in the last war, all in all, the graffiti of almost 4000 years. Further north, past the Casino, was Byblos, which even 2000 years ago was said to be the oldest occupied city in the world and which was god-parent to the Greek work for a book, *Biblion*, and hence *Bible*.

But the greatest pleasure - and at last I can catch up with the Crusader history - was going inland, east of Tyre, in an area hedged by Security, cameras forbidden, with sullen and ever-present frontier guards, to the lonely, ruined Crusader castle at Beaufort. This commanded a magnificent view and was sited on a craggy outcrop, 900 feet above the Litani river, the Leontes. Beaufort must have appeared impregnable, as much as was carved out of the solid rock and the great storage cisterns so excavated were impressive. I have read that the Arabs called it Nimrod's Castle but I doubt if this relates to the mighty hunter of the Bible - Nimrod is a name that figures in Arabic tradition and place-names. Only a few miles from Beaufort is Banias, the name a memory of the God Pan (as I believe Arabic does not contain the letter "p") and the site of Caesarea Philippi. A

nearby grotto, dedicated to Pan, contains a spring, one of the sources of the Jordan, while nearby - or so I have been told - is a small white shrine to a mythical prophet, Sheikh Kedir, whose soul is reputed to have animated St George. Christian castle, Muslim shrine, pagan worship, the English saint!

Beaufort is perhaps not imposing, not compared to many of the great Crusader castles, but I retain a startling memory of the ruins, a keen wind blowing continually, a lone hawk circling in the sky - and nothing else. I find it difficult to explain why Beaufort made such an impression on me. Partly perhaps because it served as a memory of the events of eight centuries ago, a memorial to high endeavour and ideals, devotion and bravery and on the other hand, greed, corruption and intrigue. But the main reason was this sudden and quite remarkably strong feeling of the telescoping of time - no doubt my imagination running wild - that the castle had only recently been left empty, that it was still a home to people who had loved and hated, had been born, fought and died there, and that I might look over the ruined causeway and see the Lord and his entourage returning from Council in Acre or from a Christmas spent with his wife at Tiberias or with Raymond of Tripoli at Sidon.

There is little more history; Beaufort fell to the Saracens in 1190, three years after Hattin, but changed hands at times after that. The final mention I can trace is of the Templars surrendering in April, 1260, to the Sultan Baibars after a ten-day bombardment, which no doubt accounts for much of its ruined appearance today. After that, the rest is silence.

## THE 86TH REPORT OF THE COUNCIL FOR THE YEAR ENDED 30TH SEPTEMBER, 1989

Introduction The year has been one of consistent activity on the part of the Officers and Committees to provide a programme of field and lecture meetings supplemented by outings and social functions for the interest and entertainment of members. Their success has been evidenced by consistently good support and pleasurable comment from those taking part.

The President, Mrs Jessie George, has been available at all times to make members and visitors welcome and doing a great deal to foster the relaxed spirit of friendship which is characteristic of the Society. When she hands over to her successor she will be able to look back on a term of office in which she has contributed worthily to the welfare of the Society.

Premises & Equipment This section of our report must, this year, be brought to the fore because of the high importance it has assumed in the last few weeks and the demand it is making on our resources.

Funds for maintenance and repairs have been accumulated in the last few years in anticipation of substantial outlay in 1989. Estimates were accepted early in the year for the redecoration of the front and east side of the building and for redecorations and repairs in the area adjacent to the caretaker's flat. The Lantern light over the diorama has been thoroughly overhauled to keep out the rain. The work was undertaken by our builders W.T. Gadsby & Son in the early summer at a cost of £7759. In addition Mr W.A.H. Arnold, a member and a retired builder, has made a valuable contribution to the weathering of the fabric by carrying out a number of roof repairs which have resisted all previous efforts of a cure. Our debt to Mr Arnold for placing his knowledge and skill so freely at our disposal cannot be adequately repaid but we are most grateful to him for his help.

The pleasure at the success of our efforts so far was rudely shattered in the late summer when a ceiling in the basement revealed an infestation of dry rot (Merulius Lachrymens). Investigation revealed the attack to be very extensive. The treatment required the removal of floors, windows, infected woodwork and plaster in the caretaker's living area. Once again Mr Arnold and our builder started the remedial work without delay and the work is in hand as we end the year.

The cost of the remedial work and reinstatement will be considerable and will involve some encroachment on our reserves but the completion of the story must be deferred until our next report. We are reminded by very senior members that this is not the first such attack and is a hazard to be expected, we suppose, in so old a building.

Other matters which have received the attention of the House Committee have included the provision of chains to the entrances and notices to prevent the misuse of the car park. A 'no entry' sign was however torn down within a few days of being put in place.

Finance The Treasurer, Mr T.P. Whieldon, in consultation with Miss R. Winter and Mr W.H. Lee has continued to keep our finances under review and has submitted an income and expenditure statement to our monthly meeting.

Income has remained high but a very much higher expenditure on maintenance has resulted in a deficit for the first time since 1983. The maintenance was planned for but will be more than the total for the five previous years.

The efforts of the Tea & Entertainment Committee resulted in a contribution of £1007 to our income and we have been in receipt of two legacies. Parts of both the legacies were specifically given for funding activities in the Garden and the 'Garden Fund' will in future years be shown as a separate subsection of the schedule of investments and reserves. The date of the renewal of our insurances has been rescheduled to November to assist in the cash flow and in the course of making these changes we have been able to qualify for a special premium discount of 25% on account of our being a registered charity.

Following the action initiated last year we have insured all the books of value in the library providing special cover for those volumes of historic or antique value.

Subscriptions which are required from visitors have been increased to £2 per month with effect from October 1st.

Our investments in fixed interest Government stocks have fallen in value due to the rise in interest Rates but the M & G Charifund Unit Trust investment has largely recovered from the fall in October 1987.

Relations with our tenants continue to be amicable and we are happy to record the negotiation of a fresh lease with the Dorset Trust for Nature Conservation. The Bournemouth Museum and Arts Society continues to meet in the Lecture Hall monthly and we are glad of their support. The Philatelic Society came upon hard times and has given up using our facilities. We have had a number of new enquiries for the use of the hall and we like to oblige where possible for the additional income it provides, but in some respects our facilities are limited and we are unable to meet all requests.

We now await with some trepidation the outcome of the work involved with dry rot.

Membership The membership total seems to have dropped during the year and is now

about 450. There has been a steady number of new applications but unfortunately a rather large number had to be deleted in the spring for non-payment. A very worthwhile number of applications resulted from the Open Day last year and we are looking for similar good results in 1989. A total of 500 members should be our objective and all those who at present enjoy our facilities are reminded that a recommendation is the best form of recruiting.

The membership records continue to be maintained by Mrs Hooton-Smith as Assistant Secretary and Mrs Towndrow the Assistant Treasurer works very hard to ensure that subscriptions are recorded and late payers are pressed for payment. We are most appreciative of the great effort which they make on behalf of the Society and thank them accordingly.

Activities The programme of lectures, field meetings and outings, as mentioned in the Introduction, has continued at its customary high level. The consistently good weather covering the whole spring and summer this year has ensured plenty of support for all outdoor events and has had surprisingly little effect on the lecture meetings in the hall. The social events organised by the Tea & Entertainments Committee form an important part of the programme. They comprise the committee's annual Birthday Party, the New Year Party and the Garden Party all of which were fully supported and we are indebted to the energetic band of ladies led by Mrs Mollie Parkinson for their efforts and we would like to let them know how very much we thank them.

Lecture meetings need no description, most are illustrated by slides and depend on the regular services of the projectionists led by Mr Graham Wilson who with his helpers we thank for their contribution to our enjoyment.

Field meetings which form quite half of our activities and supplemented by the outings are more varied. The field meetings are arranged for the study of the natural sciences outdoors and in the wild. The Ornithologists study bird migrations in many locations throughout the area. Entomologists devote their studies to butterflies, insects and the like. Animal life is the interest of those supporting the Mammalia section and to the Botanist plants and flowers are of supreme interest. Geologists and the Geographers look at the more basic aspects of the countryside.

The number of members supporting these outdoor activities varies with the weather but 1989 has been a vintage year for them all. Some members rarely come inside for a lecture but in their support they constitute a vital section of the membership. The results from these outdoor studies are recorded under the Section headings.

Field studies are one of the Society's strongest traditions as the Proceedings from past years will show and many of the results have found their place in the records of the world of science.

The meeting programme is, of course, the responsibility of the Heads of Sections Committee who under the chairmanship of Miss K.M. Bennetts has been producing such excellent results for many years and this year has been no exception. They begin their planning upwards of six months ahead of their dates and we are rarely let down. Their other duties include the chairing of lecture meetings and the leading of field meetings from all of which the membership benefits. We thank them for their commitment and hard work which at times can be quite worrying. Miss Bennetts has been Chairman of the Sections Committee for a great many years and for health reasons has indicated that she now wishes to hand over to another. In thanking Miss Bennetts for the way she has helped produce a programme of such high standard for so long we are pleased to welcome Mrs L.M. Maddox as her successor. To follow Miss Bennetts is not going to be an easy task and we assure

Mrs Maddox that she will have every possible support from us all.

The President's Spring Luncheon is not the responsibility of the Tea Committee but was efficiently organised by Mrs George. It was well supported and enjoyed. Thank you Madam President.

We have maintained our policy of holding meetings with kindred bodies by meeting with members of the Royal Horticultural Society and the Bournemouth Branch of the Historical Society.

Museum The last A.G.M. confirmed the election of Mr Alan Willis as Curator and expressed its appreciation of the energetic way he had approached his task. Unfortunately in the early part of this year Mr Willis had to resign his office on his removal from this area. We shall miss him but we are glad to record that Mr Graham Teasdill has agreed to take over the job. In recording our appreciation of the contribution Mr Willis made in displaying our collections we are mindful also of the many interesting talks and presentations he gave us on subjects related to ceramics, matters on which he is especially expert.

Additions to the museum during the year have been a valuable collection of fossils from the late Gerry Mouat and a large and historic collection of sea shells housed in a cabinet from Mrs L.E. Gregory.

The slide collection is now in the care of Mr Watson who has brought this valuable source of material to the notice of a number of lecturers. To work up some of this historic material for use in a lecture requires a rather special approach and it is hoped that in the coming months some important contributions will appear in the programme. Mrs Hilary Wilson of Southampton University Adult Education Department has found our collection of slides on Egyptology a useful teaching resource and has also brought groups of her students to study the Egyptian artifacts in the Archaeology collection.

The late Mr V. Channon left his collection of slides to the Society. They consist of records of travel and they are available to members as support material for lecture purposes.

Garden Miss M. Blower and her helpers have continued to keep our beautiful garden in very good order. The long dry summer has added to difficulties in some ways and has helped in others but at all times the garden has been a welcoming haven of peace greatly appreciated by members and we thank the gardeners for all their hard work.

Council, Committees & Personalia The management and affairs of the Society are in the hands of the Council and its committees, all the members of which are mentioned in the opening pages of these Proceedings. The Council comprises the President, Vice-Presidents, officers, the chairmen of sections, chairmen of committees and seven members elected at the Annual General Meeting for periods of two years at a time.

The Council meets monthly as does the Finance & General Purposes Committee, most other committees have a regular meeting pattern but some only come together as required. The members taking part in this job of management have as their objectives to serve the membership, contribute to the success of the Society and the happiness of its members. It is perhaps important to emphasise that these are in no way closed bodies and every effort is made to involve any member who is keen and who produces ideas for the general benefit.

This being our annual report it is appropriate that we should here pay tribute to some of those concerned. The President's successful year has already been

mentioned. Next we should refer to our chairman, Mr George Parkinson, who controls the proceedings of the Council, and that of the F & GP Committee with firmness whilst allowing full and fair discussion. He also uses his wide knowledge of the membership in finding new talent and resolving problems. The Chairman and the other officers play their part in the day to day running of our affairs and we thank them for doing this important job.

There have been a number of changes this year. Those of Miss Bennetts and the Curator have already been referred to, Miss P.E. Winter has asked to be relieved of the task of Editor and we are most appreciative that Miss E. Oldfield has agreed to take on the job. Miss Winter has done wonderfully well for several years introducing a number of improvements into the presentation and we thank her most warmly. We hope she will give us the benefit of her expertise in some other capacity. Miss Sheila Mackintosh took over the leadership of the Botany section early in the year and has already made her mark. To all these members, Chairmen, lecturers and leaders too many to mention individually we record our appreciation and thanks.

Finally we must pay tribute to Mrs Garlinge our caretaker and to Mr Garlinge for their loyalty and general hard work on behalf of the Society. We commiserate with them especially this year for all the problems and inconvenience of having their home upset whilst the contractors are dealing with the dry rot. We are doing our best to have all restored as soon as possible.

F.R. Watson  
Hon. Secretary

#### FROM THE CHAIRMAN OF COUNCIL

As another year goes by it is my pleasant duty to draw the Society's notice to the continued and varied part played by our Hon. Secretary in our affairs, a part which is not shown in the Council report, a report of course written by Mr Watson himself.

Over the years I have drawn attention to his efforts as a one man house committee. Fortunately he is now more than ably aided by Mr W.A.H. Arnold who during this past year has done sterling work both personally and in an advisory capacity on the maintenance of our aging building.

In the meantime Mr Watson has resumed his Stewardship of our slide collection and has continued to advise lecturers on their availability; he himself has found time to give several talks using the glass slide collection. Finally Mr Watson has been most diligent in finding lecturers outside our usual orbit to fill in the increasing number of gaps in our programme caused by the difficulty of finding speakers on natural science subjects.

To all members of Council I once again give my thanks for their support.

J.G. Parkinson

## LEGACIES

During the year we were most grateful to receive legacies from the estate of:-

Mr G.F.W. Mouat  
Mrs G.M. Thomas M.A., B.Litt.

# TEA AND ENTERTAINMENT COMMITTEE

At the end of the Society's year 1988, through the various entertainments and the after-lecture cup of tea, our small committee had raised a little over £900. This year we would aim for £1000 we decided. All the money goes to the Society.

It gives me great pleasure to announce that we reached our target and exceeded it by £7. None of this could have been done without the wonderful support of you, the members. We thank you and with your continued help will reach even higher targets.

At the afternoon tea in the museum lasting friendships have been formed and ideas exchanged. It must be the cheapest cup of tea in Bournemouth.

Please carry on supporting us.

Mollie K. Parkinson  
Chairman

## ARCHAEOLOGY AND HISTORY

<u>1988</u>			
October	22	Nelson	F.R. Watson
November	26	An Introduction to the Pre-Colombian Cultures of Peru	Miss M.W.S. Davis
December	14	Virginia	W.H. Lee
<u>1989</u>			
January	14	Sutton Hoo	Professor David Loyn
February	15	Northumbria and the Farne Islands	Miss M.W.S. Davis
March	11	The History of Bournemouth	G. Teasdill F.M.A. F.R.S.A. F.R.N.S. F.Z.S.
April	8	Ancient Egypt	Miss M.W.S. Davis
May	19	Visit to Knole House	Leader G. Teasdill
May	24	The Archaeology of Crete	W.J. Whitsed F.R.S.A.
June	7	Mediaeval Archaeology	Alan Hunt
July	26	The Noble Families of Dorset and their Houses	G. Teasdill F.M.A. F.R.S.A. F.R.N.S. F.Z.S.
August	4	Visit Hatfield House	Leader G. Teasdill
September	9	William Morris and the Arts and Crafts Movement	I.N. Anderson
September	29	Visit to Blenheim Palace	Leader G. Teasdill

The season opened with a lecture by Mr Watson on Lord Nelson and his contemporaries, in which excellent use was made of our Society's unique collection of lantern slides. This was followed in November by one of Miss Davis's wide ranging lectures on the Ancient Cultures of Peru.

The pre-Christmas lecture by Mr Lee was on Virginia, one of the most historic and picturesque states of the U.S.A., to the beauties of which, his skilful photography did full justice.

The New Year lecture was held jointly with the Historical Association. The lecturer was Professor David Loyn, a Past President of the Historical Association, who gave an impressive update on the latest developments at Sutton



Hoo. In February a lecture on Northumbria and the Farne Islands was given by Miss Davis, to whom Miss Stocker is most grateful as she had stepped into the breach at less than 48 hours notice.

In March and July Mr Teasdill, whose knowledge of our area is truly encyclopaedic, gave lectures on the History of Bournemouth and on the Noble Families of Dorset and their Houses. In April Miss Davis enthralled her audience with a lecture on Ancient Egypt, in which slides of her own travels in that country were felicitously combined with illustrations from a late 18th Century account of Egyptian antiquities compiled by Archaeologists who were dispatched to Egypt by Napoleon. Yet another ancient civilisation was brought alive to us in May, when Mr Whitsed gave a delightfully illustrated lecture on the Archaeology of Crete.

In June we turned to a somewhat later period when Mr Hunt, a lecturer at the Bournemouth College of Further Education, gave us a fascinating insight into the field of Mediaeval Archaeology. Our year's programme came to an end in September with one of Mr Anderson's sensitive lectures on William Morris and the Arts and Crafts Movement.

The Section's programme of visits, all of which were most ably organised and led by Mr Teasdill, included visits to Knole, Hatfield House and Blenheim Palace.

Margaret Stocker  
Chairman

## ASTRONOMY

### Lectures

#### 1988

October	3	It's a Model Universe	Colin Pither
November	12	UFO's - Fact or Fiction?	Geoff Kirby B.Sc.
December	31	The Velocity of Light in the Scientific Era	Graeme Nash M.A. F.R.A.S.

#### 1989

February	18	Edwin Powell Hubble (1889-1953)	Graeme Nash M.A. F.R.A.S.
March	18	A Photographic Treasure Trove	Andrew Chisholm
April	29	The Hot Big Bang	Dr Charles Boyle

The activities of the Section consisted of 6 lectures. In October Colin Pither declared "It's a Model Universe". Colin presented an ingenious series of models and gadgets he had made to illustrate various aspects of astronomy. These included: "Moonblink" filters for detecting TLP's ('transient lunar phenomena); ball and string to demonstrate Kepler's laws of planetary motion; a scale model of solar system distances on a string that was unwound around the lecture hall; and a model lunar crater and torch that illustrated the changing aspects of a lunar crater to earth observers throughout a lunar day.

In November Geoff Kirby considered "UFO's - Fact or Fiction?" This was an updated repeat of the very popular talk he had given to the Society in early 1980. The subject of UFO's or "flying saucers" is of perennial interest and has a very long history (it includes Biblical sightings). Most sightings have a natural explanation but a few genuine puzzles remain.

The December lecture was given by the Chairman. The subject was "The Velocity of Light in the Scientific Era", starting from Galileo's first crude attempts of measuring 'c' in the early 17th Century to the present day. Because of the enormous size of the Velocity of Light, 'c' (186000 mps) all early earthbound attempts to measure it were doomed to failure. Only astronomical methods worked -

the first by Roemer in 1676 from observations of Jupiter's satellites and then by Bradley in 1727 from the observation of starlight. Not until 1849 was 'c' measured on Earth by Fizeau using his famous 'toothed wheel'. Thereafter measurements became more and more accurate so that today the value of 'c' is used to define the standard metre. This is appropriate as Einstein had showed in 1905 that 'c' is a universal constant of nature.

1989 marks the centenary of the birth of Edwin Hubble, one of the greatest observational astronomers of all time. It was thus considered appropriate to devote two lectures to his life and work, and to the modern results of his work. In February the Chairman discussed Hubble's life and work. Hubble's 'golden age' was the 1920's. Using the largest telescopes in the world at that time at Mount Wilson, California, Hubble proved that the Milky Way was not the entire universe and that many "nebulae" were, in fact, other galaxies like the Milky Way. He laid the foundations of galactic astronomy. In 1929 he made his greatest discovery - that the galaxies are receding from each other with a relative velocity proportional to their separation - the whole universe is expanding. This profound discovery leads directly to all modern theories of cosmology and the origin of the universe.

Andrew Chisholm presented "A Photographic Treasure Trove" in March. He used some of the 500 or so 3" square glass astronomy slides belonging to the Society. This wonderful collection consists of photographs and drawings covering a vast range of astronomical subjects and dates between the 1870's and the 1930's. Andrew selected about 40 slides of solar system objects. Using some modern slides he compared and contrasted representations of the past with those of today. Some of the old theoretical ideas were wildly in error e.g. "Canals" on Mars. However some old speculations proved to be correct e.g. the detailed structure of Saturn's rings and the dark nature of cometary nuclei, both confirmed recently by spacecraft fly-bys. The lecture was much appreciated and a sequel on stellar topics is eagerly awaited.

The second Hubble lecture was given in April by Dr Charles Boyle, a former professional astronomer. The title, the "Hot Big Bang", referred to the modern standard theory of the origin of the universe some 15 thousand million years ago. The theory explains several modern observations besides the Hubble expansion, namely: the microwave background radiation; the cosmic abundance of deuterium and helium; galaxy number counts; the Isotropy and homogeneity of the universe on the largest scale. Modern cosmology intimately involves particle physics and the "inflationary phase" model of the hot big bang leads to the intriguing "missing mass" problem.

Graeme Nash  
Chairman

## BOTANY

### Lectures

<u>1988</u>			
November	23	Beginner's Botany	K. Harrison
December	3	Natural History Illustrations	T. Inns & Miss P. Loader
<u>1989</u>			
April	17	Plants with a purpose	Mrs G. Obee
May	8	Canford Heath	The Warden, S. Lyman-Dixon
June	24	South America	Miss S. Webster
August	23	Flora of the Antipodes	Miss K.M. Bennetts
September	13	Wild Flowers of Spain & the Pyrenees	Mrs B. Ellis

## FIELD MEETINGS

1988

October	11	Red Rise Area	J.G. Parkinson
October	27	Avon Forest Park - Fungi	Mrs R. Crane
October	28	Westonbirt Arboretum	Miss M. Blower and Mrs R.Crane
November	8	Knightwood Oak - Fungi Foray	Mrs A. Leonard
November	17	Anderwood - Fungi	Mrs R. Crane
December	6	Holmsley Old Runway - Fungi	Mrs M. Evelyn

1989

April	14	Spetisbury Water Meadows	Miss S. Mackintosh
April	27	Eyeworth Pond	Mrs A. Leonard
May	5	Oxdrove South Down	Mrs B.M. Norton
June	2	Manswood	Mrs M. Evelyn
June	9	Durlston Head	Miss S. Mackintosh
June	15	(Evening) Badbury Rings	Mrs M. Evelyn
July	7	Canford Heath	The Warden, S Lyman-Dixon
July	13	Martin Down	Mrs A. Leonard
July	28	Moor River & Barnsfield Heath	Mrs M. Saunders
August	10	Stephen's Castle	Mrs R. Crane
August	18	Hinchelsea Bog & Old Railway	Mrs M. Evelyn
September	10	Pig Bush	Miss S. Mackintosh

After there had been no chairman for several months, I took over in March, and was glad that various Field Trips and Lectures had already been arranged. I am very grateful for the helpful suggestions I have been given, to date, - long may they continue coming!

**LECTURES** In April Mrs Obee's lecture was informative as well as very attractive. The Warden of Canford Heath, Mr Lyman-Dixon, came to us in May after helping to fight nine heath fires in five days; it is worrying to think of the effects on the New Forest of the later fires. In June, Miss Webster entertained us with her slides and descriptions of trips in several countries in South America, and Miss Bennetts, gave us a talk in August. In September Mrs Ellis showed us some of what is missed by the sun-seekers on Spain's beaches.

**FIELD MEETINGS** The trip from Eyeworth Pond was very wet, but the weather was enjoyed by the toad we saw; only six members attended. Flowers were scarce, and the only noteworthy fungus among the four seen was a fine clump of PLEUROTUS OSTREATUS. However, on our walk on the Oxdrove, the host of cowslips (*Primula veris*) matched the sunshine and a few twayblades (*Listera ovata*) and early purple orchids (*Orchis mascula*) were also seen. At Manswood Mrs Evelyn showed us several plants of bastard balm (*Melittis melissophyllum*) and her evening walk on Badbury Rings was memorable for the scent of a large fenced-off patch of fragrant orchids (*Gymnadenia conopsea*). Five other kinds of orchids were seen, including frog (*Coeloglossum viride*) and bee (*Ophrys apifera*). Sadly we found only three butterfly orchids (*Platanthera chlorantha*) and suspect others may have been picked. Bastard toadflax (*Thesium humifusum*) was also seen, as it had been a week before on Durlston Head, and on Martin Down in July when only ten members braved the blazing sun. At the end of July, near Moors River, we suffered from a surfeit of mammals: not the dead shrew on the path, but a small herd of young skittish cattle which tried to share the lane at our lunch time. Later we saw arrowhead in bloom (*Sagittaria sagittifolia*). On Hinchelsea Bog on 18th August, fifty nine flowering plants were noted, among them brooklime (*Veronica beccabunga*), water speedwell (*V. anagallis aquatica*) and unbranched bur-reed (*Sparganium simplex*). Eight species of butterflies and three odontera were seen. At Pig Bush in September, the Royal ferns (*Osmunda regalis*) were showing sun scorched fronds,

and white beaked sedge (*Rhynchospora alba*) and the less common brown beaked sedge (*R. fusca*) were also noted.

Our trip to Canford Heath on 7th July was rained off.

Sheila M. Mackintosh  
Chairman

## GENERAL

### Lectures

1988

October	24	Unusual Shapes in Porcelain	A. Willis
December	12	Malta	F.B. Martin F.C.I.I.

1989

March	4	Animals and Birds in Porcelain	A. Willis
May	20	Some National Parks in U.S.A.	G. Williams
May	31	The Northumbrian Influence on the Civilisation of Wessex	G. Teasdill F.M.A. F.R.S.A. F.R.N.S. F.Z.S. Miss S. Webster
June	24	Andean Anecdotes	The President
June	28	In and around Wimborne	L.F. Pratt
July	12	The Victorian Theatre	G. Teasdill F.M.A. F.R.S.A. F.R.N.S. F.Z.S.
July	24	Darwin and Evolution	G. Teasdill
July	29	Hengistbury Head in Archaeology and Natural History	Miss K.M. Bennetts K.N. Rushall Smith W.H. Lee
August	5	East Africa and Ethnic Groups	
September	18	The Insurance Industry	
September	20	Strolling through some of the World's Art Galleries	

### Visits

1989

May	25	Red House Museum and Garden	Miss A. Carter, Curator
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During the lectures by Mr Willis members were able to handle his exhibits and appreciate their artistry.

Mr Martin's lecture on Malta covered aspects of the Island's history, geography, archaeology, flora and fauna. Slides of Valetta, the capital, showed the unique cathedral of St. John.

Some National Parks in the U.S.A. was the subject chosen by Mr Williams, illustrated by spectacular slides and accompanied by a sound track of well chosen records.

The history of Wimborne was the choice of the President. Mrs George illustrated her talk with slides which included Deans Court, occupied by the same family since the middle of the 16th century. We heard of the development of West Borough in 18th century, the exploits of Isaac Gulliver, smuggler turned Church Warden, several modern developments in the town, and the history of the Minster. Around Wimborne she talked of Kingston Lacy, God's Blessing Green and Knowlton.

Mr Pratt's slides took his audience through stages of the Victorian theatre from the exterior to the interior decor. The 'audience' boxes were uncomfortably

overcrowded with participants more concerned to be seen than to see the show. Lighting problems were manifest and voices on stage were often drowned by excessive off-stage noises.

Evolution by Charles Darwin was the chosen subject of Mr Teasdill. At the time of the publication of Darwin's Origin of the Species (1859) there was considerable opposition to the concept of evolution. Biologists could only agree that species were clear-cut and well-defined categories. Darwin and Alfred Russell Wallace deduced that natural selection was a vital factor and man was the product of an evolutionary process and not a unique creation.

Mr Teasdill also spoke on the Archaeology and Natural History of Hengistbury Head. A main feature is Warren Hill and there is evidence of a settlement of reindeer hunting people camping there during the last Glacial Period. Coins, jewellery and cloth-making from Iron Age settlements have been found. Hengistbury was used as a post for trading and ship-building until the break-up of the Roman Empire in 5th century. The Headland now gives food for waders, sea-birds, geese ducks and swans.

Glass plates of the late Major Dugmore were donated to the Society and were used in the talk on East Africa and Ethnic Groups. Photography of 1908 was contrasted with that of today. The chief tribes encountered were Masai and Kikuyu who were friendly and co-operative.

Miss Sally Webster, Associate Director of Y.P.T.E.N.C. gave us some Andean Anecdotes. She graphically recounted her experiences in Bolivia, the rain forests of the Alto Beni, Peru including Macchu Picchu - and Lima. Continuing southwards to Nazca she met Dr Maria Reich who discovered the Nazca lines. A bonus, when visiting Arequipa and a nature reserve for vicuna, was the sighting of a magnificent condor.

The audience was enthralled by Mr Lee's knowledge as he strolled through some of the world's Art Galleries. He gave a brief talk on each picture.

A visit to Christchurch Museum and garden under the guidance of the Curator and her Deputy was interesting and instructive. It was perhaps the beautiful herb garden that received the most acclaim.

I do thank all speakers and Mr Wilson, the projectionist.

K.M. Bennetts  
Chairman

## GEOGRAPHY

### Lectures

#### 1988

October	10	Wandering in Provence	Miss M.W.S. Davis
November	19	The Historical geography of Cumbria	Miss J. Watford M.A.
December	17	North Island, New Zealand and Sydney	K. Eames F.C.A., A.T.I.I.

#### 1989

February	11	Mauritius and Reunion	Mrs M. Mann
March	8	Around some Greek Islands and Ephesus	Mrs M Arnold
April	1	A journey through U.S.S.R.	Mrs M. Bright

May	10	The scenery and geography of Peru	Miss M.W.S. Davis
June	14	Lisbon and the Algarve	Mrs J. George
July	8	Inner Mongolia and North Korea	Miss M. Harrison
August	9	Mayan Landscapes (Central America and Guatemala)	P. Hopkins B.A., B.Sc.

#### Field Meetings

<u>1988</u>			
November	3	Riverside Walk to Bucklers Hard	Miss M.W.S. Davis and Mrs M. Saunders

<u>1989</u>			
February	16	Parley Church and Riddles Ford	Miss M.W.S. Davis and Mrs M. Saunders
March	31	Crichel Park and Witchampton	Miss M.W.S. Davis and Mrs M. Saunders
July	18	Wells and the Somerset Wetlands	Miss M.W.S. Davis

This year the lectures have covered many parts of the world from Cumbria to Inner Mongolia.

Miss Watford continued her exploration of the historical geography of the north by visiting Cumbria. As is quite often the case the weather in the Lake district was damp but we were able to see how glaciers had formed the lakes and valleys, the volcanoes had formed the mountain ranges and the Silurian sea-bed gave rise to the gentle landscape around Hawkshead over the course of millions of years.

Another guest lecturer, Miss Harrison, visited an unusual part of the world, Inner Mongolia and North Korea. She accompanied her interesting pictures of nomadic people living in "Yurts" with sound effects from her portable tape recorder.

Mrs Bright returned in April to give another of her fine programmes - a journey through the U.S.S.R.

The Geography section is fortunate in being able to call on several members of the Society. Mrs Arnold talked about four Greek Islands, Samos, Patmos, Skopelos and Alonissus, each different in character but with its own charm. She included pictures of Ephesus where St Paul preached in the theatre and the city had street lighting in the 1st century A.D.

Mrs George gave an interesting account of Lisbon and the Algarve telling the story of the Moorish Prince who planted thousands of cherry trees so that their white blossom would look like snow and remind his wife of her homeland in winter. The Algarve is famous for its cherry blossom in spring.

Mr Eames showed the beauties of North Island, New Zealand with its tree ferns, uncrowded landscape, hot springs and mud pools.

Mrs Mann chose Mauritius and Reunion, two lovely islands in the Indian Ocean.

Mr Hopkins took his audience to Central America and Guatemala showing pictures of Mayan temples engulfed by the jungle. The Mayan Indians still live in villages, in the traditional thatched roofed little houses.

The Chairman went "Wandering in Provence" through the sun-blessed golden land of Van Gogh and Cezanne. She also, explored the scenery and geography of Peru, from the desert coastal strip to the alto-plano, the high plateau, where the Llamas live and to the High Andes.

### Field Meetings

On a sunny November day twenty-one members walked across the fields along the Beaulieu River to Bucklers Hard and back.

In February we walked from Parley Church along the River Stour. We saw the stumps of the old gibbet in the churchyard and an urn containing the ashes of the medieval lady who gave the land. The urn is in the outside of the east wall. Wild ducks were still in evidence on the river.

Geography walks are popular because we look at flowers and birds as well as the natural features of the land. The final walk was from the farm at Didlington through Crichel Park. Daffodils and narcissus were in full bloom.

Fifty-seven members set off to visit Wells and the Somerset Wetlands. It was a sunny day and the countryside looked its best as we drove through the wetlands past drains and "rhynes" (drainage channels) on our way to the Willow Visitors' Centre.

A successful year depends not only on the lectures, walks and outings but on the members who give their support. My grateful thanks to everyone in whatever capacity.

M.W.S. Davis  
Chairman

## GEOLOGY

### Lectures

1988

October	17	Geological Conservation and Field Education. Mike Harley, Field Education Officer, Earth Sciences Division of the Nature Conservancy Council.	
November	2	Geology and Scenery of the New Forest	John Lavender, B.Sc., A.R.C.S.
December	10	Lowland Villages	Vera Copp, B.A., F.G.S.

1989

January	23	Historical Diamonds	K.J. Powell, formerly Valuer for De Beers
February	2	My Kind of Geology	Reg Boynes
March	1	Geothermal Energy from the Granites of Cornwall	Keith Atkinson, Ph.D., M.I.M.M., M.I.Geol., C.Eng., F.G.S. Vice- Principal of Camborne School of Mines
April	15	Opals and Pearls	Alan Willis
May	3	Wyth Oil	Robin Longman B.P. Petroleum Development Ltd
June	3	Diamonds and Gold The story of Kimberley and Johannesburg	Bill Lee
July	17	The Great Sea Dragons	Peter Crowther M.A. Ph.D. A.M.A. Curator of Geology City of Bristol Museum
August	19	Living on the Limestone in Cyprus	Vera Copp B.A., F.G.S.
September	2	Glimpses of Australian Geology	Reg Bradshaw B.Sc., Ph.D.

## Field Meetings

<u>1989</u>			
April	7	Saxon Churches, Bradford-on-Avon and Breamore	Leader: Mrs V. Copp
May	12	Osmington Mills	Leader: Mr F. Behennah
June	23	The Fleet	Leader: Mr C. Jackson
July	4	Swanage Stone Week, Lovell's Quarry	Leader: Mrs V. Copp
August	1	Ham Hill Quarries and Ham Stone Villages	Leader: Mrs V. Copp
August	29	Kimmeridge and visit to Oil Well	Leaders: Mrs V. Copp and Mr R. Longman B.P.
September	14	Town Common and Ramsdown Hill	Leader: Mrs M. Saunders

## Study Groups

<u>1988</u>			
November	22	Minerals of the B.N.S.S. Collection	Alec Osborne
December	13	More Minerals of the B.N.S.S. Collection	" "
<u>1989</u>			
February	17	Collecting Pebbles and Semi-Precious Stones	Audrey Whiteside
February	24	Polishing Pebbles and Semi-Precious Stones	Audrey Whiteside

Among the varied aspects of geology presented this year an exciting item of interest has been the success of oil exploration in Dorset. The Wytch Farm Site here has become the largest onshore oilfield in Europe and British Petroleum have been very co-operative in giving us informative talks and arranging for us to visit sites to keep us up to date with the latest developments. We have been able to show B.P. that our Society is concerned with the environmental issues involved and we have been very impressed to see the care they have taken in this respect. We have also kept ourselves informed on current research on alternative energy sources with a visit from the Vice Principal of the Camborne School of Mines who spoke about their government sponsored Geothermal Energy project.

During the year our friend Gerry Mouat died. We miss his cheerful field trips. He had an intimate geological knowledge of the area as he had lived locally all his life and had been interested in geology from an early age. We are grateful to inherit his large and interesting collection of local fossils which is now being catalogued and will be described more fully in my next report.

Mr Justin Delair has passed the 8,000 mark with the cataloguing of the Society's fossil collection and we shall probably be passing the 10,000 mark next year, putting the collection into the category of special scientific interest. Mr Alec Osborn continues his organisation of the mineral and rock collections and, like Mr Delair, is a constant source of ideas for widening our scope in the future. I have also appreciated very much the support given by members of the Society who have given talks, organised field trips, taken study groups or worked behind the scenes in the museum.

Last year's report mentioned the Society's then recent acquisition of the notable geological collection of the late Noel Lloyd Chadwick (1917-1988) of Redlynch, Wiltshire, and that its component fossils and minerals were being catalogued by Justin Delair and Alec Osborn respectively. Curation and assessment of this material has now been completed, and details of Noel Chadwick's career collected for the Society's archives. Accordingly, it is now possible to produce a short biographical sketch of this interesting man as well as summaries of the more significant aspects of his exertions in geology. These follow below.

## Biographical Sketch:

Born in London on December 19th 1917, to Herbert and Dorothea Chadwick, Noel



moved with his parents several times during his childhood, residing successively in Warwick, South Wales, Wolverhampton, and finally in Nottingham. As early as 1924 and 1925 he was collecting fossils from around Penarth and in 1927 from Stanton-in-the-Wolds and Lulworth. It is hardly surprising, therefore, that upon entering Denstone College, Uttoxeter, in 1928, when aged eleven, he was soon looking after the college's museum, and that, until completing his schooling there in 1935, he often collected geological specimens from neighbouring localities, including Wenlock Edge in Shropshire. All these early specimens feature in the collection now in this Society's care.

Between 1936 and 1938, after leaving Denstone, Noel worked as a laboratory assistant in the chemicals research unit of 'British Celanese' at Derby, an episode which formed a prelude to a year's study (1938-1939) of chemistry at Nottingham University. There, among other things, he gained First Class Colours for shooting.

With the outbreak of World War II, Noel Chadwick joined the army and, no doubt owing to his proficiency at shooting, served with the Royal Artillery. His unit sailed for India on June 2nd 1941, and he as a 2nd Lieutenant, a commission he obtained at Shrivenham (then in Berkshire) in 1940. Arriving in Bombay on September 9th 1941 he was attached to the 2nd Indian Light Ack-Ack Regiment as a gunnery instructor. Promotion came in 1943 when he was made a full Captain. Following the cessation of hostilities, he left India in April 1945 and arrived in Britain on May 22nd. Minerals and fossils he had found time to collect in India accompanied him back to England. These, too, are now in the Society's care.

A final brief spell of activity in Germany from December 1945 to March 1946, preceded his demobilisation on March 12th 1946.

Studies were resumed at Nottingham University later in 1946, with emphasis on botany - his overwhelming passion - and with zoology, geology, and chemistry as subsidiary disciplines. Collecting minerals and fossils was also resumed energetically, and no doubt was instrumental in him being offered a temporary post as museum assistant in Natural Sciences at Castle Museum, Norwich, in 1949. A year later he married Brenda Gray, who shared his many interests.

Shortly after this event, Noel obtained a similar (but permanent) post at Woolwich Borough Museum, London, where he remained until 1951, when, in the autumn of that year, he moved to Southampton University to study mycology and ecology for an MSc in botany. These studies duly led to involvement with a research project for the Nature Conservancy.

In 1954 he was engaged as lecturer in biology at Salisbury College of Further Education, where he developed the Higher National Certificate in Applied Biology suitable for local industries and authorities, such as the Porton Down Establishment. 1970 saw him appointed Head of the Science Department at Salisbury College of Technology, a post he held until his retirement in 1981. Throughout all these years, he continued to collect geological material from an impressive number of British sites (see the Minerals and Fossils summaries following hereafter), all carefully documented and boxed, and it is clear that he also imparted his enthusiasm for this activity to many with whom he came into contact, whether in London, Southampton, Salisbury, or elsewhere. His energy in this field, as in botany, was seemingly boundless.

To Noel Chadwick, retirement did not mean 'stop' or 'slow down'. His newly acquired 'spare' time was used to complete previously unfinished research or to begin new projects, including the Wiltshire Floral Mapping project and RNAD, at West Dean, where he was responsible for geology as well as systematically surveying fungi and mosses on an awesome scale. Needless to add, he continued to

avidly collect minerals and fossils, even when holidaying abroad, some truly magnificent Pliocene invertebrates (now in the Society's museum) obtained from the Isle of Kos in 1982 testifying eloquently to this.

A resume of Noel Chadwick's quite amazing range of other interests and pursuits would double the length of this inadequate sketch, and it must suffice here to merely state that he was one of that fast vanishing breed, the true all-round naturalist. That the Society has succeeded in acquiring such an unusually rich and carefully documented geological collection not only ensures that Noel Chadwick's work was not in vain but significantly enhances the overall value of the Society's already noteworthy geological holdings.

Noel Chadwick's sudden passing on May 17th 1988 was a sad event mourned by a particularly wide circle of friends and acquaintances, the funeral service being held shortly afterwards at Salisbury crematorium. He is survived by his wife Brenda, by whom, however, he had no offspring.

V.E. Copp  
Chairman

### General Summary of the Fossil Collection

The Noel Chadwick collection of fossils contains over 3,000 specimens ranging in age from Cambrian to early Holocene, with the largest number coming from Mesozoic horizons. By far the greater part of this material represents invertebrate organisms, although various plant remains, small ichthyosaur vertebrae and Mesozoic fish scales, common Tertiary shark teeth, and Pleistocene mammal fragments are also present. Except for a few isolated specimens evidently presented to him, the overwhelming majority of the fossils were collected by Chadwick personally, and are of fair to good quality. Inevitably they reflect the spatial aspects of Chadwick's career (already noted in the foregoing biographical sketch). Thus the earliest, from South Wales, must have been found when he lived there with his parents as a child; Indian fossils were obviously obtained during his army years in the subcontinent; and many East Anglican specimens were acquired during the time of his associations with the Castle Museum, Norwich.

As well as collecting from many classic fossiliferous English localities, Chadwick also procured fossils from several lesser known fossiliferous sites, and in a few instances the specimens discovered at these latter represent genera or species otherwise unrecorded from them.

The following table summarises the general horizons, sites, and biological groups represented in Chadwick's collection, and provides a general overview of the relevant material now preserved at the Bournemouth Natural Science Society's premises in Christchurch Road, Bournemouth.

Horizons	Localities	Biological Groups
Cambrian: Limestone	Alberta (Canada)	Trilobite
Silurian: Wenlock	Wenlock Edge (Salop)	Corals, brachiopods
Limestone	Presthoke (Salop)	Crinoids, brachiopods, corals
Carboniferous	Nr. Derby (Derbyshire)	Corals, sponges, brachiopods, bivalves
(Carboniferous Limestone)	Ashover (Derbyshire)	Crinoids, brachiopods
" (Coal Measures: derived)	Chapel-St. Leonard's (Lincs)	Bivalves
Trias: early Sandstones	Petrified Forest National Park (Arizona USA)	Cycad (fragment)

Rhaetic	Penarth (South Glamorgan)	Bivalves
Lower Lias	Redcar (Cleveland)	Bivalves, crinoids
	Black Ven (Dorset)	Ammonites, gastropods, vermes brachiopods, crinoids, bivalves belemnites, saurians
	Broad Bench (Dorset)	Bivalves
	Canary Ledges (Dorset)	Ammonites
	Charmouth (Dorset)	Ammonites, belemnites, fish
	Church Cliff, Lyme (Dorset)	Ammonites, bivalves, brachiopods
	Golden Cap (Dorset)	Belemnites
	Lyme Regis (Dorset)	Ammonites, bivalves, brachiopods, crinoids, gastropods, vermes, belemnites, saurians Fish, lignite
	Pinhay Bay (Dorset)	Crinoids
	Poker's Pool, Lyme (Dorset)	Bivalves, crinoids
	Seven Rock Point, Lyme (Dorset)	Bivalves, brachiopods, echino- dermata, fish
	Stonebarrow (Dorset)	Ammonites, fish
	Wear Cliff, Seatown (Dorset)	Ammonites, belemnites, crinoids, saurians
	Skegness (Lincs)	Bivalves
	Stanton-in-the-Wolds (Lincs)	Crinoids
Lower Lias (derived material)	Lyme Regis (Dorset)	Ammonites, echinodermata
	Wear Cliff, Seatown (Dorset)	Ammonites
	Chapel-St Leonard's (Lincs)	Belemnites, bivalves, crinoids
Middle Lias	West Runton (Norfolk)	Bivalves
	Nether Broughton (Leics)	Brachiopods
	Wartnaby (Notts)	Belemnites, bivalves, brachiopods
Upper Lias (derived material)	Chapel- St Leonard's (Lincs)	Bivalves
Inferior Oolite	Nether Broughton (Leics)	Bivalves
Fuller's Earth	Box (Wilts)	Brachiopods, gastropods
Kimmeridge Clay	Chapman's Pool (Dorset)	Ammonite
	Lulworth (Dorset)	Ammonite, bivalves, vermes
	Portland (Dorset)	Bivalve
Wealden: shales	Near Shepherd's Chine (Isle of Wight)	Bivalves
Lower Greensand	Blackgang Chine (Isle of Wight)	Vermes
	Tisbury (Wilts)	Coral
Upper Greensand	Black Ven (Dorset)	Bivalves
	Near Blackgang Chine (Isle of Wight)	Gastropod, vermes
Chalk (zones not usually recorded)	Studland (Dorset)	Belemnite, sponges
	Deolali, Western Ghats (India)	Vermes
	Folkestone (Kent)	Bivalves, brachiopods, echinoid

Chalk (zones not usually recorded) cont'd

	Skegness (Lincs)	Echinodermata
	Costessey (Norf)	Sponge
	Hockwold (Norf)	Bivalves
	Hunstanton (Norf)	Belemnites, bivalves, sponge brachiopods
	Overstrand (Norf)	Belemnites, bivalves, echinodermata, sponges, vermes
	Sidestrand (Norf)	Belemnites, bivalves, brachiopods, echinodermata, sponges, vermes, fish
	Taverham (Norf)	Sponge
	Thorpe (Norf)	Echinodermata
	West Runton (Norf)	Echinoid, sponge
	Waybourne (Norf)	Belemnites, bivalves, brachiopods
	Ashley Hill (Wilts)	Sponge
	Dean Hill (Wilts)	Sponge
	Little Durnford (Wilts)	Echinodermata, sponge
	Old Sarum, Salisbury	Echinodermata, sponge
	Pepperbox Hill (Wilts)	Brachiopod
	Salisbury (Wilts)	Echinodermata, sponges
	Whiteparish (Wilts)	Echinodermata, sponges
Chalk ( <u>derived</u> material)	Hengistbury Head (Dorset)	Sponge
	Durleston Bay (Dorset)	Sponge
	Lyme Regis (Dorset)	Bivalves, sponge
	Wear Cliff, Seatown (Dorset)	Bivalve
	Fordingbridge (Hants)	Echinodermata
	Chapel-St Leonard's (Lincs)	Belemnites, bivalves, coelenterata, corals, crustacean, echinodermata, sponge
	Sidestrand (Norf)	Belemnite
	West Runton (Norf)	Sponges
	Old Sarum, Salisbury (Wilts)	Bivalves, sponge
London Clay	Isle of Sheppey (Kent)	Fruit
Barton Clay	Barton (Hants)	Bivalves, gastropods, fish
Bracklesham Beds (upper beds)	Hengistbury Head (Dorset)	Lignite
Middle Eocene (unspecified horizon/s)	Kirthar Rane, Karachi, Sind, (India)	Bivalves, nummilites, vermes
Pliocene (unspecified horizon)	Andimahia, Kardamena (Isle of Kos: Greece)	Bivalves, gastropods vermes
Pleistocene: Red Crag.	Near Orford (Suff)	Fish
Norwich Crag.	Easton-Bavents (Suff)	Bivalves
Forest Bed.	Overstrand (Norf)	Mammalia
	Near Overstrand (Norf)	Wood
	Sidestrand (Norf)	Mammalia
	West Runton (Norf)	Wood
Lower Freshwater Beds	Near Bacton Gap (Norf)	Wood
	Between Hasborough and Walcott (Norf)	Wood
	Overstrand (Norf)	Wood
	Sidestrand (Norf)	Wood
River gravels	Broadchalke (Wilts)	Mammalia
	Old Sarum, Salisbury (Wilts)	Fruit

In addition to the above a number of unprovenanced specimens also exist. The majority of these are small Jurassic ammonites.

J.B. Delair

### The Noel Chadwick rock and mineral collection

Noel Chadwick was an enthusiast. He was interested in anything that flew, anything that grew and what was under his feet.

He was a collector in the best Victorian tradition but unlike many of the Victorians he knew what he was collecting. With the modern textbooks to hand he knew what he wanted and where he could find it, and indeed he travelled many miles in search of minerals. One of his favourite haunts was the Lincolnshire coast where he must have spent many happy hours searching for and identifying rocks deposited by longshore drift and glaciation.

His collection consists of about five hundred specimens divided into twelve drawers in the following subjects.

1. Crystalline and cryptocrystalline silica
2. Rock forming minerals
3. Metallic minerals
4. Calcium minerals
5. Industrial minerals, non metallic
6. Industrial minerals, non ferrous
7. Industrial minerals, ferrous
8. Rocks, Igneous
9. Rocks, Sedimentary
10. Rocks, Metamorphic
11. Rocks, Pre-Cambrian U.K.
12. Volcanics (Greek Islands etc)

The precambrian section has a good cross selection of the British rocks. Charwood and the Long Mynd are well covered, with a further selection from the Malverns and Scotland. A student who has not been to these locations would find them most interesting.

In the collection there is an interesting example of 'caveat emptor'. A mineral clearly labelled "crystalised gypsum from the cave of the winds, Niagara". In fact it is a rather poor example of small quartz crystals. I can only assume that Noel Chadwick had kept it for its curio value.

Taken altogether an excellent collection of hand specimens, collected from many parts of the world. There are samples of gold bearing rock from Wales and Africa, Chalcocite from Chile, Agates from India, Zircons from Norway, and many more.

Noel Chadwick must have enjoyed himself, a new destination a new mineral for his collection.

### Abstract

Mr Chadwick's rock and mineral collection, though not what one would call comprehensive, is nevertheless interesting.

The collection is almost equally divided into two parts. Minerals and rocks. The rocks although covering the sedimentary, igneous and metamorphics very well, are biased towards the volcanics, which show where Mr Chadwick's interest lay.

The minerals are listed here in economic and chemical order.

Spodumene, Mirabilite.

Native copper, Chalcopyrite, Chalcocite, Bornite,  
Enargite, Bournonite, Malachite, Olivenite.  
Native silver, Argentite, Pyrargyrite.  
Native Gold

Calcites, Aragonite, Dolomite, Gypsum, Apatite, Fluorspar.  
Celestine.  
Barytes, Barytocalcite, Witherite.

Beryl, Emerald.  
Magnesite.  
Sphalerite.

Corundum, Spinel, Bauxite, Turquoise.

Rutile.  
Zircon.  
Allanite.

Graphite, Coals, Amber.  
Olivine, Garnets, Spene, Topaz, Andalusite.  
Allanite, Idocrase.  
Tourmaline, Cordierite.  
Enstatite, Diopside, Augite, Jadeite, Wollastonite.  
Tremolite-Actinolite, Asbestos, Hornblende.  
Mica's, Muscovite, Biotite, Lepidolite, Chlorite, Talc, Serpentine, Vermiculite,  
Prehnite.  
Feldspars, Orthoclase, Microcline, Plagioclase.  
Sodalite, Lazurite.  
Quartz, Rock crystal, Amethyst, Morion, Chalcedony, Opal.  
Natrolite, Harmotome.  
Cassiterite, Stannine.  
Galena, Cerussite, Pyromorphite, Crocoisite.

Orpiment, Arsenopyrite.  
Stibnite.  
Bismuth.

Wolfram.  
Pitchblende.

Sulphur.

Manganite, Pyrolusite.

Magnetite, Hematite, Goethite, Limonite, Siderite, Pyrites, Marcasite,  
Smaltite.  
Nickel.

Iridium.

The rocks in the collection are divided into five groups with some overlapping.

Igneous.

Sedimentary.  
 Metamorphic.  
 Pre-Cambrian.  
 Volcanic, (mainly from Greek Islands).

Igneous.

Granites, Syenite, Diorite, Dolerite, Basalt.

Sedimentary.

Sandstones, Grits, Agglomerates, Limestones, Marls,  
 Chalk, Diatomite, Radiolarian ooze.

Metamorphic.

Slates, Schist, Gneiss, Serpentine, Marble.

Pre-Cambrian.

Schist, Sandstone, Conglomerate, Shale, Porphyrite,  
 Chert, Agglomerate, Slate, Dacite, Hornstone, Tuff, Quartzite.

Volcanics.

Scoria, Pumice, Lava, Basalt, Obsidian, Tuff.

The descriptions given in the catalogue are Mr Chadwick's. One or two obvious mistakes have been corrected, a few more need checking. Overall his descriptions are accurate.

Alec Osborn

## HORTICULTURE

### Lectures

<u>1989</u>			
January	25	Garden Slides	Mrs J. Grey B.A.
February	25	Joint meeting with the Royal Horticultural Society	Kew Herbarium G. Lucas
April	26	Creating from complete neglect and in succession - my three gardens	G.L. Ratcliffe F.C.A.

### Visit

<u>1988</u>			
October	28	Westonbirt Arboretum	Mrs Crane & Miss Blower

In October Mrs Crane and I took a party to Westonbirt Arboretum, too late for the colourful acers but a lovely day. Parrotia perica and Brewer's weeping spruce were two of many outstanding trees.

Mrs Grey's lovely slides showed how her garden had changed over the years. Mr Ratcliffe amused us with his asides, we went from a rough piece of land to colourful vistas.

The Society's garden was open to the public on May 4th as part of Heritage Garden Week. We were proud to be taking a small part in this national event and I thank all members who helped on that day.

Several changes have been made this year in the garden. An old privet hedge and two conifers were removed. Straggly rhododendrons were tidied making more room for new plants.

Castania Sativa produced another crop of Epicornic which were pulled off. We hope in time to control this phenomenon, liking our tree to have a good clean trunk and branches. The long hot summer and prolonged drought put many plants

under stress, we won't know until next year how many have been lost.

Prunus subhirtella gave a dazzling display in the spring and the old hybrid rhododendron bowed with the weight of many trusses. Autumn too brought an outstanding beauty, clerodendron trichotmum, very fragrant, a strong flower, red calyx and metallic turquoise berries. It rightly deserved the attention it received but alas the leaves have a strong unpleasant odour.

There is now a "Guide to the Garden". It is more or less correct and available to members. It already needs updating and will in future list all the new plants. I have always kept a Garden File for reference and information but this is a yearly account.

I must express my appreciation of the bequests from Mrs G Thomas and Mr G Mouat. Gerry, a knowledgeable plantsman, never visited the Society without words of encouragement, often sorely needed.

Finally, where would I be without that cheerful gang of gardeners - thank you all.

Mary Blower  
Chairman

## PHYSICS AND CHEMISTRY

### Lecture

1989

September 23 A Peripatetic Professor

Prof. T. Preston

This section has not found it possible to hold more than this one meeting. We are grateful to Major R.C. Aitken B.Sc. for acting as Chairman and for his work trying to obtain speakers.

The title of the section is a traditional one in science and with the Society but is considered by some to be out of keeping with modern trends and terminology.

The rapid pace of change in modern science and technology requires that the Society, if it is to maintain its balance, gives more attention to those branches of science which, although based on physical concepts, are popularised under such terms as electronics, information technology, digital communications and the like as well as the larger projects dealing with pollution, global warming, satellites, space age communications, transport and many other modern developments.

To stimulate more interest among members in these areas we appeal to any enthusiastic member to come forward to discuss ways and means of reviving interest in the Section.

F.R.W.

## PHOTOGRAPHY

### Lectures

1988

October 12 Travels with a Camera in India  
and Nepal

T.E. Clark B.A., F.R.G.S.

November 5 Down the Magic Tube

F. Loxton

November 9 Across Canada with a Camera

Miss M.W.S. Davis

December 7 Christmas U.S.A.

J.G. Parkinson F.Z.S.



PHOTOGRAPHY Cont'd

1989

January	16	Wonders of the Earth	Miss M. Exton
February	22	Focus on the National Trust	Mrs G.E. Obee
March	22	Ships	F.R. Watson
April	22	Slides, Ancient and Modern	G.J. Jefferson F.R.P.S.
May	15	A to Z Naturally	Mrs G.E. Obee
June	17	Towards Better Photography	R. Fortt
July	22	Rail Show 84	B.E. House
September	11	Shetland	Miss M. Welsby

Through the generosity of members and friends we have enjoyed yet another entertaining and instructive programme. We have travelled abroad with Miss Davis, our intrepid traveller, who enthalls us with commentary and camera; with Mr Clark, a professional Travel Lecturer and Photographer, who showed us both the splendour and squalor of India and Nepal with glimpses of people and situations not encountered by the tourist. Mr Parkinson gave us a very topical portrayal of Christmas festivities in the U.S.A.

The Audio-Visual Rail-Show by Mr House had everything except the smell of Steam; we enjoyed wonderful panoramic scenes incorporating a historic cavalcade of Steam Locos. A dazzling display of the Red Arrows concluded this nostalgic journey in the happier if dirtier days of steam.

We always appreciate lectures specially allied to Photography. Mr Loxton's life-time interest in and dedication to Microscopy revealed marvellous patterns in Nature. Mr Jefferson gave us a nostalgic look at early films; fine results from pre-automatic cameras, and the art of Processing and Developing in layman's terms.

Mr Watson chose Lantern Slides from the Society's own collection and with much research provided a most interesting historical cavalcade of ships.

In a very welcome return visit, Mr Fortt delighted us with a travelogue of Beautiful British Columbia as a vehicle for demonstrating important facets of Better Photography; he is a true professional who doesn't mind passing on secrets of his success. Our own Miss Mary Exton never fails to interest and intrigue us with her photographic skill; she interprets the beauty in Nature, seeing what so many of us pass by. Miss Welsby makes a yearly pilgrimage to her native North, and she showed us Shetland in all sincerity with captivating scenes and commentary.

'Thank You' to all our contributors and especially to our painstaking projectionists.

Grace E. Obee  
Chairman

## ZOOLOGY – ENTOMOLOGY

Lectures

1988

October	15	An Introduction to Spiders	R.G. Snazell B.Sc.
November	30	Downland Moths and Butterflies	Miss M.M. Brooks, Ph.C. M.R.Pharm.S., F.R.E.S.

1989

January	21	Camouflage, Mimicry, Warning Colours	Miss M.M. Brooks, Ph.C. M.R.Pharm.S., F.R.E.S.
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ZOOLOGY - ENTOMOLOGY cont'd

March 15 Woodland Moths, Part 2

Miss M.M. Brooks, Ph.C.  
M.R.Pharm.S., F.R.E.S.

Field Meetings

<u>1989</u>			
May	26	Martin Down	Miss M.M. Brooks
June	16	Holt Heath	Miss M.M. Brooks
July	14	Crockford Bridge	Miss M.M. Brooks
July	27	Vernditch Chase	Miss M.M. Brooks
August	15	Ballard Down	Miss M.M. Brooks
September	30	Holmsley Lodge	Mrs M. Tiller

The exceptionally fine summer has proved beneficial to some insect species, but not to others. Many species of Lepidoptera were on the wing weeks before their normal flight times, and a second generation of the Peacock (***I. io***) occurred in the Bournemouth area. Arrivals of migrants in this area were patchy - smaller numbers of Painted Lady (***C. cardui***) than normal, a few Clouded Yellow (***C. croceus***), but many reports of Humming-bird Hawk-moths (***M. stellatarum***).

Field meetings benefited from the warm sunshine, and all provided sightings of many interesting species. Highlights were the finding of a "bag" of the rare Bagworm (***P. villosella***), eggs of the Purple Hairstreak (***Q. quercus***), and the fearsome-looking Robber Fly (***Asilus crabroniformis***). The results of the experimental moth-trapping meeting were very encouraging - the night's haul amounted to nearly 200 moths.

Making his first visit to the Society, Mr R.G. Snazell gave a fascinating insight into the world of Spiders. He mentioned species which give parental care, and the Pirate Spiders which prey upon other spiders, and then showed slides of the little-known venomous Spanish spider which he has been researching. Two living examples of large Tropical spiders accompanied him to the Society. The January lecture was a last-minute substitute, due to the very sudden illness of the scheduled speaker. The other two lectures dealt with the life cycles and requirements of British butterflies and moths of downland and woodland.

My grateful thanks to those members who so enthusiastically support the talks and field meetings, and to Mary Tiller and Mark Spencer for their special contributions.

Margaret Brooks  
Chairman

## ZOOLOGY - MAMMALIA

Lectures

<u>1988</u>			
November	16	Deer	M. Noble
<u>1989</u>			
January	18	Natural History Quiz	Miss K.M. Bennetts
January	28	Shells and their Uses	Miss K.M. Bennetts
February	4	Wild Life in Wild Places	Miss K.M. Bennetts
March	29	Otters	Miss K.M. Bennetts
May	6	Mammals of the New Forest	D. Higginson
May	13	Snipstern Wildlife Reserve - Belize	Miss. L. Charles
June	10	Deer and other Mammals	Miss K.M. Bennetts
July	5	Preview of Marwell Zoological Park	Miss K.M. Bennetts

August	30	Snippets from my diary on Safaris in several countries	Miss K.M. Bennetts
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### Field Meetings

1988

October	13	Sika Deer	Miss K.M. Bennetts
October	25	Deer, Brockenhurst Area	Mrs Arnold and Miss K.M. Bennetts
November	10	Fritham Area, New Forest	Miss Davis and Mrs Lund
November	24	Ferry Knap, Brockenhurst	Miss Souter and Miss Whattoff
December	8	Deer, Anderwood	Miss K.M. Bennetts
1989			
January	26	Deer, South Oakley	Miss K.M. Bennetts
February	9	Deer, New Forest	Miss Souter and Miss Bennetts
February	23	Bratley Plain/Linford Area	Miss Davis and Mrs Lund
March	2	Brockenhurst Area	J.G. Parkinson
March	9	Lyndhurst/Beaulieu	J.G. Parkinson
March	16	Breamore for Hares	Mrs M. Arnold
April	6	Reptiles and Amphibians	M. Noble (Head Forester)
April	20	Breamore for Hares	Mrs M. Arnold
May	11	Sluffers and Stoney Cross	Mrs Lund and Miss Davis
June	8	Anderwood	J.G. Parkinson
June	19	Throop Area	Mrs M. Saunders
June	22	Holidays Hill Area	J.G. Parkinson
July	6	Marwell Zoological Park	Miss K.M. Bennetts
July	20	Red Rise Area	J.G. Parkinson
August	3	Deer, Woodland and Waterside Walk	Miss Souter and Miss Whattoff
August	17	Perrywood Ivy	J.G. Parkinson
August	31	Highland Water	Mrs M. Arnold
September	21	Ferry Knap, Brockenhurst	Miss K.M. Bennetts
September	28	Sika and other Deer	Miss K.M. Bennetts

The season opened with a lecture by Mr Martin Noble, Head Forester of the New Forest. He spoke on the four species of New Forest Deer identifying the individual species, their lifestyle, preferred habitats and seasonal food requirements. He explained the various duties of the Foresters and the laws which affected the management of deer.

Miss L Charles approached the Society for sponsorship to visit and study in the Shipstern Wildlife Reserve, Belize. The Reserve was a gift of land by two Britons to be used for Conservation and the training of students and local people. Miss Charles presented to the Society a report of the findings of herself and other students. It is in the Society's Reference Library and is available for members to read.

Mr Higginson spoke of the wildlife of the New Forest and illustrated his talk by films and sound-track. Deer, foxes and badgers were filmed at all seasons and times of day. The views and sounds of owls in flight and at nest sites were spectacular.

Field meetings were chiefly in the New Forest for deer and the Hampshire countryside for hares, reptiles and amphibians. We recorded less hares than in previous years and fewer deer. Species of deer that have been seen are roe, red, sika and fallow. The expedition to study amphibians and reptiles led by Mr M. Noble was disappointing but Mr Noble had brought examples from his own collection

and we were able to study them. Most spectacular was the female Great Crested Newt.

The highlights of the visit to Marwell Zoological Park were the Siberian tiger cubs, wallabies - many with joeys in the pouch, a group of meerkats and the endangered golden lion tamarin in specially erected housing. Miss Bennetts spoke briefly on each exhibit.

I wish to thank all members for their loyal support and to Mr G. Wilson, projectionist, and his colleagues.

K. Milner Bennetts  
Chairman

## ZOOLOGY - ORNITHOLOGY

### Lectures

#### 1988

October	29	Some antipodean and Falkland Birds	Miss K. Milner Bennetts F.Z.S.
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#### 1989

April	12	Live Birds of Prey	Bruce Berry
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### Field Meetings

#### 1988

October	6	Radipole Lake and Lodmoor	Mrs L.M. Maddox
October	20	Stanpit Marshes	J.G. Parkinson
November	4	Shipstal Point, Arne	J.G. Parkinson
November	18	Beaulieu Road	Mr and Mrs R.D. Boardman
December	2	Wildfowl Trust Grounds, Arundel	Mrs L.M. Maddox
December	20	South Haven Peninsula	Mrs L.M. Maddox

#### 1989

January	12	Avon and Sopley	Mrs L.M. Maddox
January	19	Farlington Marshes	J.G. Parkinson
February	3	Calshot	J.G. Parkinson
February	21	Chew Valley Reservoirs	Mrs L.M. Maddox
March	17	Red Rise Area	J.G. Parkinson
March	30	Keyhaven Marshes	Mrs L.M. Maddox
April	13	Thorncombe Nature Trail	Miss G. Hayball
April	25	Durlston Head	Mrs L.M. Maddox
May	9	Martin Down	Mrs M. Saunders
May	18	Winspit	Mrs L.M. Maddox
June	1	Sherford Bridge for Nightjars	John Lockwood and Mrs M. Evelyn
June	13	Hampton Ridge	Mrs Joan Butt
June	30	Beaulieu Road	Mrs L.M. Maddox
July	11	Morning walk on Talbot Heath	Mrs M. Evelyn
July	21	Kingston Common	Mrs L.M. Maddox
August	11	Stanpit	J.G. Parkinson
August	24	Keyhaven Marshes	Mrs L.M. Maddox
September	8	Ninebarrow Down	Mrs L.M. Maddox
September	19	Durlston Head	Mrs L.M. Maddox

The Section's first Field Meeting of the period covered by this report was on October 6th 1988 to Radipole Lake and Lodmoor. This Field Day always seems to attract particular stormy weather and this was no exception - but the heavy rain cleared and quite a number of birds were seen, particularly on Lodmoor which is now more mature and seems to attract Greenshank and other waders.

The weather for Stanpit Marsh later in October was much pleasanter and we were fortunate to see Little Stint and Curlew Sandpiper which were passing through on migration and with Greenshank, Knot, Godwit and Snipe made up a fine total of wading birds on the marsh.

We arranged an enjoyable coach trip to the Arundel Wildfowl Trust on 2nd. December and included a short visit to Langstone Harbour en route.

Heavy rain started the day at Avon and Sopley in January 1989 but at 11 a.m. the sun came out and we were able to watch a large party of wintering Siskins in alder trees and bathing in the stream. A flock of Golden Plover were flying in the distance.

The Nature Reserve at Farlington Marshes is a very favourite winter area. The number of Brent Geese seen there in January was enormous and there was also a large flock of Pintail duck on the inland pool. Short-eared Owls quarter this marsh in the winter and there are big flocks of Black-tailed Godwits.

The winter continued very mild and our visit to the Chew Valley Reservoir near Bristol in February was most enjoyable. A Mediterranean Gull (very similar to our Black headed Gull but larger and stouter and it has white primaries without black tips) was an interesting bird to see. There was also a pair of Goosander on the Reservoir and a female Smew, another of the saw-bill ducks.

In unbroken sunshine at the end of March we watched a great number of birds on Keyhaven Marshes - Eider Duck and Common Scoter at sea - and spotted Redshank, Greenshank and Black-tailed Godwit on the marsh with our first Wheatears of the spring flashing their white rumps.

We visited Martin Down on the 9th May and saw and heard Nightingales in the bushes - one with a particular fine song that lasted for half-an-hour or so. A most magnificent performance.

Winspit in mid-May provided a fine variety of summer visitors- Tree-Pipit, Blackcap, Whitethroat, Lesser Whitethroat, Chiffchaff and Wheatear on a warm sunny day with very light wind.

Mrs Margaret Evelyn led a new and very productive Field Meeting round Talbot Heath and Bourne Bottom, close to her home, on 11th July. The party were invited to refreshments in her garden and a Dartford Warbler perched on a bush close to her fence singing lustily.

It was interesting to find four Green Sandpipers on mud by the big lake on Kingston Common at the end of July. It is ten years or more since we last saw them in that area.

On October 29th 1988 Miss K Milner Bennetts gave us a most interesting and enjoyable lecture on birds of the Falkland Islands, a part of the world she knows and loves.

Bruce Berry of the New Forest Owl Sanctuary came on April 12th to give us a very unusual and stimulating talk, bringing with him a Barn Owl, a Kestrel and an Eagle Owl. He is particularly interested in the rehabilitation of Barn Owls to the wild.

We have welcomed a number of new Members to our Field Meetings and I particularly want to thank most sincerely all Members who have helped me by leading Field Meetings and generally given me their support.

L.M. Maddox  
Chairman

Local Record List of Birds of Particular Interest

- Gannet (*Sula bassana*) 19 September, Durlston.  
Little Egret (*Egretta garzetta*) 24 August, Keyhaven.  
Garganey (*Anas querquedula*) 20 October, Stanpit.  
Common Scoter (*Melanitta nigra*) 30 March, Keyhaven.  
Eider (*Somateria mollissima*) 30 March, Keyhaven.  
Goosander (*Mergus merganser*) 21 February, Chew Reservoir.  
Smew (*Mergus albellus*) 21 February, Chew Reservoir.  
Buzzard (*Buteo buteo*) 13 April, Thorncombe, 9 May, Martin Down 21 July,  
Kingston Common.  
Sparrow Hawk (*Accipiter nisus*) 30 March, Keyhaven 13 June Hampton Ridge  
8 September, Ninebarrow Down.  
Hobby (*Falco subbuteo*) 30 June, Beaulieu Road.  
Golden Plover (*Charadrius apricarius*) 12 January, Avon and Sopley.  
Whimbrel (*Numenius phaeopus*) 24 August, Keyhaven.  
Green Sandpiper (*Tringa ochropus*) 21 July, Kingston Common.  
Spotted Redshank (*Tringa erythropus*) 30 March and 24 August, Keyhaven.  
Knot (*Calidris canutus*) 20 October, Stanpit.  
Little Stint (*Calidris minuta*) 20 October, Stanpit.  
Curlew Sandpiper (*Calidris testacea*) 20 October, Stanpit.  
Sanderling (*Crocethia alba*) in summer plumage 11 August, Stanpit.  
Ruff (*Philomachus pugnax*) 24 August, Keyhaven.  
Mediterranean Gull (*Larus melanoncephalus*) 21 February, Chew Reservoir.  
Ring-billed Gull (*Larus delawarensis*) 21 February, Chew Reservoir.  
Arctic Tern (*Sterna pardisaea*) 11 August, Stanpit.  
Short-eared Owl (*Asio flammeus*) 19 January, Farlington.  
Nightjar (*Caprimulgus europaeus*) 1 June, Sherford Bridge.  
Bearded Tit (*Panurus biarmicus*) 6 October, Radipole.  
Nightingale (*Luscinia megarhynchos*) 9 May, Martin Down.  
Dartford Warbler (*Sylvia undata*) 18 November, Beaulieu Road, 13 June, Hampton  
Ridge, 11 July, Bourne Bottom.  
Tree Sparrow (*Passer montanus*) 18 May, Winspit.

# LIBRARY

The repairs to some of our more valuable books held in the reference library have continued following last year's timely examination and evaluation.

Of all the books donated during the past year, 57 have been added to our collection and a few disposed of to the financial benefit of the Society.

Of 12 new purchases "Ancient Earthworks on Cranborne Chase" is of particular interest as it was first published in 1913. We have copy No 27 of the first 200 copies signed by Heywood Sumner, F.S.A. a Past President of the Society 1926-1928. This copy is kept in the reference library but the new published copy is available for borrowing from the lending section.

Routine work has continued of course with the dedicated and much appreciated efforts of all our voluntary helpers, particularly of the special effort made on Open Day.

Donations of books acceptable to the Society and other publications that are passed on are much appreciated.

R.E. Harwood  
Hon. Librarian

## MEMBERS DAY

1988			
October	10	Hobbies Exhibition	Members
November	21	Poetry Readings	Members
1989			
January	11	New Members' Day	The President
February	13	Odd Items in East Anglia	W.J. Whitshed F.R.S.A.
March	13	All about Silver, Talk, Quiz, Exhibits	Members
April	10	Quiz	The Chairman
May	17	Members' Slides	Members
June	21	Round the Garden at No. 39	Miss M. Blower
July	10	Sharing of thoughts on Paintings	Members
August	2	Talks by members on books which have interested them	Members
September	27	Travel Experiences	Members

Patchwork, paintings, needlework and other hobbies were shown in October by our very skilled members. Rupert Brooke and Thomas Hardy were the favourite at the poetry and book sessions in November and August.

Nineteen new and eight prospective members were welcomed in January.

Many aspects of East Anglia were shown by Mr Whitshed in February. In March members brought interesting silver items, some with stories attached. The quiz questions in April were not easy but were informative. Seven members showed their photographic abilities at the slide programme in May. Extra helpers with lists of the plants helped to make the garden afternoon a success. The meeting on paintings in July ended in spirited discussions between small groups of members. Frightening, tiring and exciting travel experiences were related in September. Otherwise Bulgarian tea bags figured largely.

Thanks are due to all the participants who have helped to make these afternoons enjoyable.

H.M.D. Dickinson  
Chairman

# MUSEUM

In July our Hon. Curator, Alan Willis, left Bournemouth for Cumbria, and his infectious enthusiasm and considerable talents are very much missed. He leaves behind an invitation to all those Members who may like to visit him at his new venture, a caravan park near Appleby, and our good wishes go with him. Meanwhile, Graham Teasdill, having retired as the Bournemouth Borough Curator in 1988, has resumed office as the Society's honorary Curator.

At the August meeting of the Museum Committee, it was decided to elect a Chairman of the Museum Committee independent of the honorary Curator, and I, Jessie George, the immediate past President for 1988/1989, having agreed, was immediately appointed.

Concern has been expressed by the Museum Committee regarding the care and maintenance of our collections, and help and advice have been sought from the Area Museum Council for the South West through the good offices of our honorary Secretary, Mr Ren Watson. Mr Watson is also looking after the Society's slide collections and has given some excellent talks for the Society illustrated by old glass slides.

The most outstanding donation received during the year was the Egerton-Gregory Collection of Marine Conchology (sea shells) which is referred to in more detail in the Council's Annual Report elsewhere in these Proceedings.

Assistance has continued to be given to a variety of bodies by answering their research enquiries, including the British Museum, the British Museum (Natural History), the Royal National Institute for the Blind and Southampton University.

All sections of the Museum were open and enthusiastically enjoyed by visitors to the Society's Annual Open Day in September.

The scope, range and quality of the collections donated to this Society over nearly ninety years constitute a tremendous asset requiring much care and specialised knowledge. For a voluntary organisation such as ours, this is an enormous responsibility, and as a newly appointed Chairman to the Museum Committee, I have been much reassured to find that all Chairmen of Sections serve as ex-officio members; their combined knowledge and experience is invaluable.

The Area Museum Council for the South West, of which we are already a member, is introducing a Museum Registration Scheme, and a most important question facing us to-day is whether or not to apply for Registration under this new scheme, which is proposed to be on a local basis, divided county by county. An introductory seminar to meet the local Registration Adviser had been arranged, but, unfortunately, an attempt to attend this seminar at Dorchester Museum was utterly frustrated by the complete lack of car parking available on Wednesday (market day and during the half term holiday).

It had been hoped to arrange an informal discussion with the Registration Adviser for Dorset, who was stated to be the Curator of the Priests House Museum in Wimborne; it was found that she, unfortunately, had just died, and the seminar had, in fact, been chaired by the Curator of Sherborne Museum. Enquiries are still proceeding.

This is a matter to be researched thoroughly. It would appear that certain benefits might be obtained by registration, but it is not desired to take any steps which might alter the unique status of this society. Applications for registration are not required before April 1990 or after August 1990, results



being notified to individual museums by April 1991.

As soon as further information is received, it will be considered by the Museum Committee and by Council.

Jessie George  
Chairman

## PUBLICATIONS AND PERIODICALS RECEIVED

The following publications were received in the Library during the year. Some of them were gifts from members who subscribe personally to the particular Society. The Library Committee are glad to record their appreciation of such gifts.

Alpine Garden Society Bulletin  
Birmingham Natural History and Philosophical Society - Proceedings  
Botanical Society of the British Isles - Watsonia, Proceedings  
Bristol Naturalists' Society - Proceedings  
British Trust for Ornithology - News Bulletin, Bird Study.  
California Academy of Sciences - Proceedings  
Cambridge Antiquarian Society - Proceedings  
Council for British Archaeology - Newsletter  
Dorset Trust for Nature Conservation - Newsletter  
Dorset Natural History and Archaeological Society - Proceedings  
Geology Today  
Hampshire Field Club and Archaeological Society - Proceedings  
Hertford Natural History Society - Transactions  
National Geographic Magazine  
National Trust - Newsletter  
Nature  
Oryx  
Royal Horticulture Society - "Gardens".  
Senckenbergische Naturforschende Gesellschaft - "Natur und Museum"  
Smithsonian Institution, U.S.A. - Annual Report  
Societe Jersaise - Annual Bulletin  
Torquay Natural History Society - Transactions and Proceedings  
Uppsala University, Sweden - Acta Phytogeographical Suecica  
Zoological Society of London.

# LIST OF PRESIDENTS (1903 - 1988)

1903-04	J.E.Beale (Mayor of Bournemouth)
1904-06	G.E.J.Crallan, M.A., M.B., M.R.C.S.
1906-07	H.J.Waddington, F.L.S.
1907-09	A.Ransome, M.A., M.D., F.R.C.P., F.R.S.
1909-10	A.Smith Woodward, D.Sc., F.R.S., F.L.S., P.G.S.
1910-11	Dukinfield H.Scott, M.A., L.I.D., F.R.S., F.L.S., F.G.S.
1911-13	Sir E.Ray Lankester, K.C.B., M.A., L.I.D., F.R.S., F.L.S.
1913-16	Sir Daniel Morris, K.C.M.G., J.P., M.A., D.Sc., D.C.L., F.L.S.
1916-17	The Rt.Hon. the Earl of Malmesbury, D.L., J.P.
1917-18	Sir Jethro J.H.Teale, M.A., D.Sc., L.I.D., F.R.S.
1918-20	Field Marshall Lord Grenfell of Kilvey, G.C.B., G.C.M.G., L.I.D., F.S.A.
1920-21	Lt.Col. Sir David Prain, C.M.G., C.I.E., F.R.S.
1921-23	F.G.Penrose, M.D., F.R.C.P., F.Z.S., M.B.O.U.
1923-24	Sir F.W.Keeble, K.B.E., D.Sc., F.R.S.
1924-26	Hubert Painter, B.Sc., F.C.S.
1926-28	Heywood Sumner, F.S.A.
1928-29	Claude Lyon
1929-30	Professor F.O.Bower, D.Sc., F.R.S.
1930-31	Henry Bury, M.A., F.L.S., F.G.S.
1931-32	Dukinfield H.Scott, M.A., L.I.D., F.R.S., F.L.S., F.G.S.
1932-33	J.P.Williams-Freeman, M.D.
1933-34	Rev.F.C.R.Jourdain, M.A., F.Z.S., M.B.O.U.
1934-35	Sir F.W.Dyson, K.B.E., M.A., D.Sc., L.I.D., F.R.S., F.R.A.S.
1935-36	Henry Bury, M.A., F.L.S., F.G.S.
1936-37	Sir Harold Carpenter, M.A., D.Sc., F.R.S.
1937-38	Professor John Cameron, M.D., D.Sc., F.R.S.E.
1938-39	Professor G.D.Hale Carpenter, M.B.E., D.M., F.L.S., F.Z.S., F.R.E.S.
1939-40	W.G.Aitchison Robertson, M.D., D.Sc., F.R.C.P., F.R.S.E.
1940-41	Rev.Professor M.C.Potter, M.A., D.Sc., F.L.S.
1941-42	Inst.-Capt.M.A.Ainslie, R.N., M.A., F.R.A.S.
1942-43	William C.Simmons, B.Sc., A.R.C.S., F.G.S.
1943-44	Professor S.Mangham, M.A.
1944-45	A.S.Hemmy, B.A., M.Sc.
1945-46	J.F.N.Green, B.A., F.G.S.
1946-47	Lt.-Col.C.D.Drew, D.S.O., F.S.A.
1947-48	W.J.Woodhouse, A.C.P.
1948-49	Edward Hindle, M.A., D.Sc., F.R.S., F.Z.S.
1949-50	Mrs.W.Boyd Watt, F.Z.S., M.B.O.U.
1950-51	Professor Sir R.A.Peters, M.C., M.A., M.D., F.R.S.
1951-52	Ernest Chambers, F.L.S.
1952-53	F.Williamson, F.R.Hist.S.

1953-54 H.E.Clarke, M.A., B.Sc., F.R.I.C.  
 1954-55 W.J.Read, M.Sc., F.R.I.C.  
 1955-56 W.S.Brown, B.Sc.  
 1956-57 A.W.Legat, M.Inst.C.E., M.I.S.E.  
 1957-58 D.A.Wray, Ph.D., M.Sc., F.G.S.  
 1958-59 Miss M.A.M.Penrose, B.Sc.  
 1959-60 Miss D.M.Lowther, B.Sc.  
 1960-61 James Fisher, M.A., F.L.S., F.Z.S.  
 1961-62 W.P.Winter. B.Sc.  
 1962-63 F.H.Perring, Ph.D., M.A.  
 1963-64 Miss F.M.Exton, B.A.  
 1964-65 Dame Kathleen Lonsdale, D.B.E., D.Sc., F.R.S.  
 1965-66 A.J.Butcher, F.R.I.B.A.  
 1966-67 Mrs.A.K.Hunt, B.Sc.  
 1967-68 Professor F.Hodson, Ph.D., B.Sc., F.G.S.  
 1968-69 T.Marshall Bell, B.A., M.B., B.Ch.  
 1969-70 Ernest Chambers, F.L.S.  
 1970-71 Graham Teasdill, F.M.A., F.R.S.A., F.R.N.S., F.Z.S.  
 1971-72 Miss Ursula M.Ogle  
 1972-73 Sqd.-Ldr.J.L.C.Banks  
 1973-74 Miss K.Milner Bennetts, F.Z.S.  
 1974-75 Don Small, M.Sc.  
 1975-76 S.C.S.Brown, F.D.S., R.C.S., L.D.S.  
 1976-77 F.Oldham, J.P., M.A., B.Sc., F.Inst.P.  
 1977-78 W.H.Lee  
 1978-79 Mrs.G.M. Thomas, M.A., B.Litt.  
 1979-80 T.A.Crawshaw, F.Inst.M.C.  
 1980-81 Miss M.M.Brooks, Ph.C., M.R. PharmS., F.R.S.H., F.R.E.S.  
 1981-82 Mrs.M.K.Parkinson  
 1982-83 Miss K.Milner Bennetts, F.Z.S.  
 1983-84 Miss M.W.S.Davis  
 1984-85 R.F.Harrison, F.M.A.  
 1985-86 Miss R.H.D.Winter  
 1986-87 J.G.Parkinson, F.Z.S.  
 1987-88 Miss M. Stocker, B.A.  
 1988-89 Mrs Jessie George  
 1989-90 M.P. Bentley O.B.E., C.Eng









