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## BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY OF THE UNIVERSITY OF ILLINOIS

May 1, 1941, to April 30, 1942

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1942, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1942-1943 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the superior rank, cross-references being used under the names of the others. Numbers in parenthesis indicate the approximate numbers of words.

**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry (on leave of absence)

**BOOKS:**  
With *N. L. Drake and others*:  
Organic syntheses, vol. 21. John Wiley and Sons, N.Y., 1941. 120 pp.

**ARTICLES:**  
With *A. W. Anderson and M. W. Miller*:  
Restricted rotation in aryl olefins. II. Preparation and resolution of certain  $\beta$ -chloro- $\beta$ -(2,4,6-trimethyl- and 2,4,6-triethyl-3-bromophenyl)-acrylic acids. *J.A.C.S.*, 63:1589-93. (2250)

With *S. Locwe, C. Jelinek, H. Wolff, C. M. Smith, and C. K. Cain*:  
Tetrahydrocannabinol homologs and analogs with marihuana activity. IX, X, and XI. *Ibid.*, 63:1971-78. (3500)

With *L. N. Whitehill*:  
Many-membered ring compounds by direct synthesis from the  $\omega,\omega'$ -bifunctional molecules. *Ibid.*, 63:2073-78. (2500)

With *C. K. Cain, W. D. McPhee, and R. B. Wearn*:  
Structure of cannabidiol. XII. Isomerization to tetrahydrocannabinols. *Ibid.*, 63:2209-13. (2300)

With *T. A. Geissman, W. R. Dial, and J. T. Fitzpatrick*:  
Structure of gossypol. XXVI. Gossypolic acid. *Ibid.*, 63:2439-41. (1250)

With *L. O. Binder*:  
Restricted rotation in aryl olefins. III. Preparation and resolution of  $\beta$ -chloro- $\beta$ -(2-methyl-1-naphthyl)-acrylic acids. *Ibid.*, 63:2773-76. (1700)

With *H. W. Stewart*:  
Restricted rotation arylamines. II. Preparation and resolution of N-succinyl-N-ethyl-3-bromomesidine and 5-alkoxy-4-N-succinyl-4-alkylamino-1,3-dimethylbenzenes. *Ibid.*, 63:2859-64. (2600)

With *M. Carmack and E. F. Rogers*:  
The alkaloid of *Crotalaria grantiana*. I. Grantinine. *Ibid.*, 64:571-73. (1300)

With *S. Locwe, C. M. Smith, and W. D. McPhee*:  
Tetrahydrocannabinol homologs and analogs with marihuana activity. XIII. *Ibid.*, 64:694-97. (1750)

**REVIEWS:**  
Catalysis—inorganic and organic, by Sophia Berkman and others. *Science*, 94:259. (120)

The ring index—a list of ring systems used in organic chemistry, by A. M. Patterson and L. T. Capell. *Ibid.* (80)

**Adamstone, Frank Bolton, Ph.D.,** Associate Professor of Zoology

**ARTICLES:**  
Reticulum cell sarcoma following ulceration of the intestine in vitamin E deficient chicks. *Arch. Path.*, 31:6:717-21. (2000)  
Relation of vitamin E to the effectiveness of testosterone injected into caponized male fowls. *Ibid.*, 31:6:706-10. (2500)  
Cholesterol content of brain in nutritional encephalomalacia of vitamin E deficient chicks. *Ibid.*, 31:6:711-16. (3000)  
Relation of vitamin E to substances of the anthracene group. *Ibid.*, 31:6:722-30. (5000)  
Researches on vitamin E deficiency in the chick. *Amer. J. Med. Tech.*, 8:3:76-83. (3500)

**Alexander, Franz, A.B., M.D.,** Associate Professor of Psychiatry

**BOOKS:**  
With *T. M. French and others*:  
Psychosomatic factors in bronchial asthma. *Psychosom. Med. Monog.*, No. 4, 1941. 328 pp.

**ARTICLES:**  
Gastrointestinal neuroses. Chapter VI in *Diseases of the Digestive System*, by S. A. Portis. Lea and Febiger, Phila., 1941.  
Clinical versus experimental approach in psychosomatics. *Psychosom. Med.*, July, 1941.  
Defeatism concerning democracy. *Amer. J. Orthopsychiat.*, Oct., 1941.  
Educative influence of personality factors in the environment. In *Environment and Education*, Univ. Chicago Sup. Educ. Monog., Mar., 1942.

**Allen, Edward Dudley, M.D.,** Associate Professor of Obstetrics and Gynecology (Rush)

**REVIEWS:**  
Discussion of Dr. Peckham's paper on toxemias of pregnancy. *Amer. J. Obstet. Gyn.* 42:651.  
Heart in pregnancy and child bearing age, by B. E. Hamilton and K. J. Thomas. *Amer. J. Dis. Children*, 62:470.

**Allen, Harry Kenneth, Ph.D.,** Associate Professor of Economics and Director of the Bureau of Economic and Business Research

**ARTICLES:**  
Municipal finance. *Amer. Yr. Bk.*, 1942. (5000)  
Devices to facilitate property tax collections. *Proc. Nat. Tax Assoc.*, 1941, pp. 304-11. (3500)

## ALLEN, H. K.—Articles (continued)

Collection of delinquent taxes by compromise with interested parties. *Ill. Munic. Rev.*, 22:7:136-37; *Real Estate*, 16:35:12-136-37; *Mo. Bul. Ill. County Treas. Assoc.*, Aug., 1941. (1250)

**Allen, Joseph Heatly Dulles, Jr., Ph.D.**, Instructor in Spanish

## BOOKS:

Portuguese word-formation with suffixes. Linguistic Society of America, Baltimore, 1941. 143 pp.

## ARTICLES:

Portuguese studies in the United States. *Hispania*, 25:1:94-100. (2500)

**Allen, Raymond B., M.D., Ph.D.**, Executive Dean of the Chicago Colleges

## ARTICLES:

Universities and the people's health. *J. Assoc. Amer. Med. Colleges*, 16:5:273-77. (2200)

Present problems in curriculum adjustment. *J.A.M.A.*, 18:8:646. (600)

Affiliation of the Presbyterian Hospital with the University of Illinois. *Presby. Hosp. Yr. Bk.*, 1941. (850)

**Almy, Gerald Marks, Ph.D.**, Associate Professor of Physics

## ARTICLES:

*With A. C. Beiler:*

Potential energy curve of excited state of KH. *Phys. Rev.*, 61:476-81. (4000)

**Amtman, Leo E., M.D.**, Associate in Medicine

## ARTICLES:

Diagnosis and treatment of acute gastrointestinal disturbances. *Cook County Hosp. Staff and Grad. School*, Apr. 20, 1942. (3000)

**Anderson, Chester Reed, A.M.**, Associate Professor of English

## ARTICLES:

Better English for accountants. *Amer. Instit. Account. Yrbk.*, 1941, pp. 209-16. (5000)

**Anderson, Harold Homer, Ph.D.**, Associate Professor of Psychology

## ARTICLES:

Measures of classroom behavior as a guide to teacher selection. *Understanding the Child*, 10:2:7-11. (1900)

Preparing for the newcomer. *Nat. Parent-Teacher*, 36:1:20-22. (1500)

Working together (editorial). *Childhood Educ.*, 18:2:51. (600)

**Anderson, Harry Warren, Ph.D.**, Professor of Pomological Pathology

## ARTICLES:

Red stele root rot of the strawberry. *Trans. Ill. Hort. Soc.*, 74:383-93. (5000)

Fungicides in relation to the national defense program. *Ibid.*, 75:168-95. (2800)

Breaking of red raspberry shoots. *Plant Dis. Rptr.*, 25:10:294-95. (500)

Apple scab development in Illinois. *Ibid.*, 26:5:120. (400)

Apple scab development. *Ill. Hort.*, 31:2:1. (250)

Prebloom sprays for apple scab control. *Ibid.*, 31:2:1-2. (700)

*With Dwight Powell:*

Sulfur fungicides in the 1939-40 apple scab control experiments. *Trans. Ill. Hort. Soc.*, 74:322-26. (2200)

## Articles (continued)

The use of eradicant sprays for the control of apple scab in Illinois, 1941 results. *Ibid.*, 75:195-213. (6400)

Some factors influencing the epidemiology of apple scab. *Ibid.*, 75:278-88. (3500)

Eradicant sprays for apple blotch. *Ibid.*, 75:391-400. (4800)

Apple scab in Illinois. *Plant Dis. Rptr.*, 25:8:237-38. (400)

*With Dwight Powell and Robert Kohn:*

The use of eradicant sprays for controlling apple scab in Illinois, 1940 results. *Trans. Ill. Hort. Soc.*, 74:213-34. (7000)

*With W. P. Flint:*

Directions for spraying fruits in Illinois (rev.). *Ill. Agr. Exp. Sta. Circ.*, 492. 32 pp. (20,000)

*With W. A. Ruth and W. P. Flint:*

The season of 1940. *Trans. Ill. Hort. Soc.*, 74:43-54. (6000)

The season of 1941. *Ibid.*, 75:42-56. (7500)

*With H. H. Thornberry:*

Overwintering of bacterial spot of peach. *Plant Dis. Rptr.*, 25:9:268-69. (400)

*With H. H. Thornberry and J. P. Fulton:*

The use of eradicant sprays for the control of asparagus rust. *Phytopathology*, 32:419-23. (4000)

**Andrews, Andrew Irving, Ph.D.**, Professor of Ceramic Engineering and Head of the Department

## BOOKS:

*With R. L. Cook:*

Enamel laboratory manual. Garrard Press, Champaign, Ill., 1941. 64 pp.

## ARTICLES:

*With T. L. Hurst:*

Effect of soluble salts present in enamel mill liquors. *J. Amer. Cer. Soc.*, 24:5:171-78. (5000)

*With B. W. King, Jr.:*

Development of opacity in Zirconia enamels. *Ibid.*, 24:11:360-67. (4000)

Solubility of Zirconia in soda-borosilicate glasses. *Ibid.*, 24:11:367-72. (2500)

*With R. L. Cook:*

Relation of particle sizes of frit and color oxides to color properties of porcelain enamels. *Ibid.*, 24:9:298-310. (7000)

**Archer, Luther Bunyan, M.S., E.E.**, Assistant Professor of Electrical Engineering

## BOOKS:

Electrical design fundamentals. John S. Swift Co., St. Louis, 1941. 156 pp.

Economical design and operation of electrical systems. Edwards Bros., Ann Arbor, Mich., 1942. 117 pp.

**Arkin, Aaron A., M.D., Ph.D.**, Associate Professor of Medicine (Rush)

## ARTICLES:

*With Hans Popper and F. A. Goldberg:*

Plasma creatinine determination as a test of low grade kidney damage. *Ann. Int. Med.*, 1941, 15:700-07. (3000)

**Ashby, Robert Childers, Ph.D.**, Professor of Livestock Marketing

## ARTICLES:

Livestock marketing problems. *J. Amer. Vet. Med. Assoc.*, 100:780:193-96. (2300)

Feeder cattle sales at country points in Illinois. Univ. Ill. Dept. Agr. Econ. Mimeo., 1662. (6500)

ASHBY, R. C.—Articles (continued)

With R. J. Webb, E. C. Hedlund, and Sleeter  
Bull:

Retailer and consumer reaction to graded  
and branded beef. *Ill. Agr. Exp. Sta.  
Bul.*, 479, pp. 339-91. (26,000)

REVIEWS:

Livestock marketing. *Nat. Live Stock Prod.*,  
20:1:10. (1700)

Audrieth, Ludwig Frederick, Ph.D., Associate  
Professor of Chemistry

ARTICLES:

With R. Steinman:

Inorganic oxychlorides as hydrogen bonding  
solvents. *J.A.C.S.*, 63:2115-16. (2000)

With A. D. F. Toy:

The aquo ammonio phosphoric acids. I.  
Preparation of phenyl esters of amido and  
diamido phosphoric acids. *Ibid.*, 63:2117-  
19. (3000)

With P. K. Glascoe and L. D. Scott:

The catalytic effect of water on the ammonol-  
ysis of ethyl phenylacetate in n-butyl-  
amine. *Ibid.*, 63:2965-67. (2000)

With C. S. Marvel and W. H. Sharkey:

Non-peroxide catalysts for the reaction be-  
tween sulfur dioxide and olefins. *Ibid.*,  
64:1229. (1500)

With J. R. Weiseger and H. E. Carter:

Alkylation of phenylhydrazine in liquid am-  
monia. *J. Org. Chem.*, 6:417-20. (3000)

With M. J. Copley:

The gram electron. *J. Chem. Educ.*, 18:373-  
74. (2000)

Babbitt, Harold Eaton, M.S., Professor of  
Sanitary Engineering

ARTICLES:

Research in sewage treatment at the Engi-  
neering Experiment Station, University of  
Illinois. *Proc. Ill. Assoc. San. Dist.*, 17:  
36-40. (3000)

REVIEWS:

Pipe-line flow of solids in suspension (a dis-  
cussion with D. H. Caldwell). *Proc.  
A.S.C.E.*, 68:3:480-82. (2000)

Badger, Alfred Earl, Ph.D., Research Associ-  
ate Professor of Ceramic Engineering

ARTICLES:

With A. C. Ottoson:

Effect of light on color of glass. *J. Amer.  
Cer. Soc.*, 25:4:104-08. (2000)

Badger, Carroll John, B.S., Associate in Soil  
Experiment Fields

See F. C. Bauer and W. L. Burlison.

Baer, Joseph Louis, M.S., M.D., Professor of  
Obstetrics and Gynecology (Rush)

ARTICLES:

Office gynecology. *Neb. Med. J.*, 26:8:271-  
76. (4200)

Examination of the adolescent female. *J.  
Pediat.*, 19:3:315-18. (1600)

Bailar, John Christian, Jr., Ph.D., Associate  
Professor of Chemistry

ARTICLES:

Improving instruction in chemistry. *Sci.  
Teacher*, Dec., 1941. (1700)

Bailey, Harold Wood, Ph.D., LL.D., Associate  
Professor of Mathematics and Director of  
the Personnel Bureau

ARTICLES:

Social adjustments of college students from  
the standpoint of the faculty counselor.  
*An. Rpt. Amer. College Personnel Assoc.*,  
18:48-52. (2000)

Bailey, Percival, Ph.D., M.D., Professor of  
Neurology and Neurological Surgery

ARTICLES:

Differential diagnosis and treatment of pains  
about the head. *Fortnightly Rev.*, 3:13-18.  
The present state of American neurology.  
*J. Neuropath. Exp. Neurol.*, 1:111-17.

With Suetet:

Experimental production of intracranial tu-  
mors in the white rat. *Arch. Neurol.  
Psychiat.*, 45:1047-49.

With H. M. Garol and W. S. McCulloch:

Cortical origin and distribution of corpus  
callosum and anterior commissure in the  
chimpanzee. *J. Neurophysiol.*, 4:564-71.

Functional organization and interrelation of  
cerebral hemispheres in chimpanzee. *Amer.  
J. Physiol.*, 133:200.

With W. S. McCulloch, H. W. Garol, and  
G. von Bonin:

The functional organization of the temporal  
lobe. *Anat. Rec.*, 82:38-39.

Baily, H. Heaton, A.M., C.P.A., Associate  
Professor of Accountancy

BOOKS:

Specialized accounting systems. John Wiley  
and Sons, N.Y., 1941. 488 pp.; with solu-  
tions to problems, 82 pp.

PAMPHLET:

Key to illustrative problem in elementary  
accounting. D. C. Heath and Co., Boston.  
16 pp.

Baker, Hillier Locke, B.S., M.D., Assistant  
Professor of Surgery (Rush)

ARTICLES:

Potential inguinal hernia with especial refer-  
ence to direct hernia. *Ill. Med. J.*, Oct.,  
1941, pp. 317-20.

Modification of T-tube drain of common bile  
duct. *Ann. Surg.*, June, 1941.

Baker, James Gerard, A.M., Cataloger in the  
Library

ARTICLES:

Twelve catalog cards for monographs in a  
foreign serial publication. Printed by the  
Library of Congress. (1800)

Baker, Robert Horace, Ph.D., D.Sc., Professor  
of Astronomy and Head of the Department

ARTICLES:

Analysis of a transverse section of the Milky  
Way in Aquila. *Astrophys. J.*, 94:3:493-  
500. (4000)

With Lois Kiefer:

Analysis of the Milky Way in Auriga. *Ibid.*,  
94:3:482-92. (5000)

Balduf, Walter Valentine, Ph.D., Associate  
Professor of Entomology

ARTICLES:

Quantitative dietary studies on Phymata.  
*J. Econ. Entom.*, 34:5:614-20. (4200)

**Baldwin, Thomas Whitfield**, Ph.D., Professor of English

## ARTICLES:

Perseus purloins Pegasus. In *Renaissance Studies in Honor of Hardin Craig*, Stanford University Press, Stanford, Calif., 1941. 10 pp.

A line in Gabriel Harvey. *London Times Lit. Sup.*, Jan. 18, 1941, p. 31. (200)

Phoenixities. *Ibid.*, June 14, 1941, p. 287. (850)

A double Janus. *Pub. Mod. Lang. Assoc. Amer.*, 56:583-84. (400)

**Bane, J. Lita**, A.M., D.Sc., Professor of Home Economics and Head of the Department, and Vice-Director of Home Economics Extension

## BOOKS:

With *Mildred Chapin*:

An introduction to home economics (rev.). Stipes Pub. Co., Champaign, 1941. 65 pp.

## ARTICLES:

Clothing for the duration. *Nat. Parent-Teacher*, 36:8:28-30. (2500)

Saluting Helen W. Atwater. *J. Home Econ.*, 33:9:623-24. (1000)

**Barker, Roger Garlock**, Ph.D., Assistant Professor of Education

## ARTICLES:

An experimental study of the resolution of conflict by children. In *Studies in Personality*, McGraw-Hill Book Co., 1941, pp. 13-34. (10,000)

Science and education. Amer. Council on Educ. Div. Child Development and Teacher Personnel, Mimeo. (20,000)

Success and failure in the classroom. *Prog. Educ.*, 19:221-24. (2000)

Is knowledge powerless? *School and Soc.*, 55:48-49. (300)

With *C. P. Stone*:

Change in the age of puberty in albino rats. *Proc. Soc. Exp. Biol. Med.*, 44:48-50. (1500)

**Barlow, Reuel Richard**, A.M., Professor of Journalism

## ARTICLES:

Illinois newspapers playing great part in community life. *Ill. Press*, 3:1:1-3. (1500)

## REVIEWS:

Dynamic journalism—the Don R. Mellett memorial lectures, ed. by H. B. Rathbone. *Journalism Qt.*, 19:1:97-98. (1000)

**Bartlett, Roland Willey**, Ph.D., Associate Professor of Agricultural Economics

## BOOKS:

The price of milk. Interstate Printing Co., Danville, Ill., 1941. 171 pp.

## ARTICLES:

The milk price plan that really works. *Successful Farming*, June, 1941, pp. 14-15.

Adjusting wages to changes in cost of living. *Ill. Farm Econ.*, Aug., 1941, pp. 97-105.

Canada's war-time wage policy for preventing inflation. *Ibid.*, Oct., 1941, pp. 145-147.

How the cost of living index is constructed. *Ibid.*, Nov., 1941, pp. 168-71.

Suggested ways for lowering costs of milk distribution in Chicago. *Ibid.*, Jan., 1942, pp. 197-205.

Conserving trucks and tires and reducing hauling costs of country milk routes. *Ibid.*, Apr., 1942, pp. 260-66.

## Articles (continued)

Wage problems in the market milk industry from a public viewpoint. *Univ. Ill. Dept. Agr. Econ. Mimeo.*, 1821, Feb., 1942, pp. 15-21.

Butter prices may average more than 31-cent bottom. *Popkess' Dairymen's J.*, July, 1941. 7 pp.

With *O. E. Aylett*:

Wages of Chicago milk drivers as related to general wage levels. *Ill. Farm Econ.*, Mar., 1942, pp. 246-49.

With *L. F. Tammen*:

Use of a bonus system for lowering costs of hauling cream for the farmer's creamery, Bloomington, Illinois. *Univ. Ill. Dept. Agr. Econ. Mimeo.*, 1763, Jan., 1942. 8 pp.

**Bartow, Virginia**, Ph.D., Assistant Professor of Chemistry

## ARTICLES:

The reference literature of organic chemistry. Chapter 36 in *An Outline of Organic Chemistry* (4th ed.), by E. F. Degering, Barnes and Noble, N.Y., 1941.

Developments in the chemistry department, University of Illinois, 1926-1941. *Univ. Ill. Dept. Chem. Bul.*, 1941, pp. 27-45.

## REVIEWS:

The library key, an aid in using books and libraries, by Z. Brown. *J. Chem. Educ.*, 18:350. (300)

The second yearbook of research and statistical methodology, by O. K. Buros. *Ibid.*, 19:100. (350)

Textbook of chemistry, by A. L. Elder. *Sch. Sci. Math.*, 41:702. (350)

Fundamentals of semi-micro qualitative analysis, by E. B. Kelsey and H. G. Dietrich. *Ibid.*, 41:901. (300)

Intermediate chemical calculations, by J. R. Partington and K. Stratton. *Ibid.*, (300)

Elementary laboratory experiments in organic chemistry, by Roger Adams and J. R. Johnson. *Ibid.*, 52:303. (325)

Principles of general chemistry (3rd ed.), by S. R. Brinkley. *Ibid.*, 42:306-07. (500)

**Bateman, Harry Paul**, B.S., First Assistant in Agricultural Engineering

## ARTICLES:

With *R. F. Skelton*:

Some engineering aspects of the field shelling of corn. *Agr. Eng.*, 23:4:131-33. (2000)

**Bauer, Frederick Charles**, Ph.D., Professor of Soil Fertility

## ARTICLES:

The response of crops to treatment and mistreatment of soils. *Farm Appraisals*, Ill. Agr. Exp. Sta. Mimeo., pp. 10-19.

With *C. H. Farnham*:

The Morrow plots. *Univ. Ill. Dept. Agron. Mimeo.*, 948. 18 pp.

With *C. J. Badger*, *P. E. Johnson*, *A. L. Lang*, *L. F. Marriott*, *M. H. Nelson*, and *L. B. Miller*:

Summaries of results in soil experiment fields to 1940. *Univ. Ill. Dept. Agron. Mimeo.* 4 pp. each.

**Bayley, William Shirley**, Ph.D., Professor of Geology, Emeritus

## BOOKS:

Pre-Cambrian geology and mineral resources of the Delaware water gap and Easton quadrangles, New Jersey and Pennsylvania. *U. S. Geol. Surv., Bul.* 920, 1941. 98 pp.

**Beach, Frank Herman, Ph.D.,** Assistant Professor of Business Organization and Operation

**BOOKS:**  
See *F. A. Russell.*

**ARTICLES:**  
Practical advertising methods used to increase the consumption of milk. *Ice Cream Rev.*, Jan., 1941, pp. 30-32; *Pure Milk*, 15:11:7.

**REVIEWS:**  
A short course in salesmanship, by H. M. Haas. *J. Marketing*, July, 1941, pp. 71-72. (300)

Fundamentals of selling, by R. G. Walters. *Ibid.*, Oct., 1941, p. 189. (250)  
Sales management for drug stores, by H. C. Nolen. *Ibid.*, p. 191. (250)  
One thousand sales points, by J. G. Frederick. *Ibid.*, Jan., 1942, p. 68. (300)

**Beard, Hallard, B.S., M.D.,** Professor of Ophthalmology

**ARTICLES:**  
Squint and amblyopia, a plea for their early treatment. *J. Ill. Med. Soc.*, Apr., 1942.

**Beard, J. Howard, A.M., M.D.,** Professor of Hygiene, Head of the Department of Health Service, and University Health Officer

**ARTICLES:**  
A doctor looks at swimming. Rpt. *Third An. Swim. Pool Conf.*, 1941, pp. 3-11. (3500)

**Beckett, Grace, Ph.D.,** Instructor in Economics

**BOOKS:**  
The reciprocal trade agreements program. Columbia Univ. Press, N.Y., 1941. 142 +xiii pp.

**Bedinger, Paul Lincoln, M.D., M.S.,** Instructor in Medicine

See *R. W. Keeton.*

**Benne, Kenneth Dean, A.M.,** Assistant Professor of Education

**BOOKS EDITED:**  
*With others:*  
Readings in foundations of education, vol. 1. Teachers College, Columbia Univ., N.Y., 1941. 700 pp.

**ARTICLES:**  
The wartime job of teachers. *Frontiers of Democracy*, 8:69:209-12. (3000)

**Berdahl, Clarence Arthur, Ph.D.,** Professor of Political Science and Chairman of the Department

**ARTICLES:**  
Party membership in the United States. *Amer. Pol. Sci. Rev.*, 36:1:16-50; 36:2:241-62. (30,000)

*With J. T. Shotwell, Q. Wright, and others:*  
Preliminary report of the commission to study the organization of peace. *Internat. Conciliation*, No. 369, pp. 195-204. (4000)  
Second report of the commission to study the organization of peace: the transitional period. *Ibid.*, pp. 149-169. (4500)

**REVIEWS:**  
Law without force: the function of politics in international law, by Gerhart Niemeyer. *Amer. Pol. Sci. Rev.*, 34:4:777-79. (1000)  
The Assembly of the League of Nations, by Margaret E. Burton. *Ibid.*, 35:6:1172-74. (1000)

Reviews (*continued*)

Norway: neutral and invaded, by Halvdan Koht. *Ibid.*, 36:1:176-77. (600)

Night over Europe: the diplomacy of nemesis, 1939-1940, by F. L. Schuman. *Amer. J. Internat. Law*, 36:2:352-53. (500)  
Norwegian migration to America: the American transition, by T. C. Blegen. *Pa. Mag. Hist. and Biog.*, 66:2:230-31. (500)

**Berg, Max, M.D., Ph.D.,** Associate in Pathology

**ARTICLES:**  
Absorption of intracutaneously injected solutions of dextrose and sodium chloride; comparison of absorption times for diabetic and non-diabetic subject. *Arch. Int. Med.*, 69:199-107. (2000)

**Bergeim, Olaf, Ph.D.,** Associate Professor of Physiological Chemistry

**ARTICLES:**  
*With A. H. Hanszen, L. Pincussen, and E. Weiss:*  
Relation of volatile fatty acids and hydrogen sulphide to the intestinal flora. *J. Infec. Dis.*, 69:155-66. (7000)

**Bernstein, Arthur, B.S., M.D.,** Associate in Medicine

**ARTICLES:**  
Carcinoma of the cardia, a case report. *Rev. Gastroenterology*, 8:3:234-38. (2000)  
Gastrogenic diarrhea. *Ibid.*, 8:6:447-49. (800)

**Birch, Carroll LaFleur, M.S., M.D.,** Assistant Professor of Medicine

**ARTICLES:**  
Blood banks. *Med. Woman's J.*, Apr., 1942. (3000)  
Assay of the estrogenic hormone in hemophilic and normal male urine. *Proc. Soc. Exp. Biol. Med.*, 4:8:167-68. (470)  
My visits to blood banks and serum centers. *Illini Scope*, Feb., 1942. (1500)

**Black, Max, Ph.D.,** Professor of Philosophy

**ARTICLES:**  
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**Merricks, James Wesley, A.B., B.S., M.D.**, Associate in Urology (Rush)

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**Metz, Arthur R., A.B., M.D.**, Associate Professor of Surgery (Rush)

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**Sanford, Charles Wilson, Ph.D.,** Associate Professor of Education and Principal of University High School

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**Walker, Ernest DeWitt, B.S.,** Assistant Professor of Agronomy Extension

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**Walters, Charles Sebastian, M.S.,** First Assistant in Forestry

## ARTICLES:

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**Ward, Henry Baldwin, Ph.D., D.Sc., LL.D.,** Professor of Zoology, Emeritus

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**Wasserman, Earl Reeves, Ph.D.,** Associate in English

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- Wien, Max Samuel, B.S., M.D.**, Associate Professor of Dermatology  
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**Wilson, Francis Graham**, Ph.D., Professor of Political Science

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**Wilson, Wilbur M.**, M.M.E., C.E., D.Eng., Research Professor of Structural Engineering

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**Wingert, John B.**, M.S., Assistant Professor of Floriculture

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**Woodrow, Herbert**, Ph.D., Professor of Psychology and Head of the Department

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**Woodworth, Clyde Melvin**, Ph.D., Professor of Plant Genetics

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BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY  
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NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1943, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1943-1944 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the superior rank, cross-references being used under the names of the others. Numbers in parenthesis indicate the approximate numbers of words.

**Adams, Leverett Allen, Ph.D.,** Professor of Zoology and Curator of the Museum of Natural History

ARTICLES:

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**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry (on leave of absence)

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*With L. I. Smith and others:*

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*With J. E. Mahan:*

Basicity studies of tertiary vinyl amines. *Ibid.*, 64:2588-93. (2500)

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The structure of riddelliine, the alkaloid in *Senecio riddellii*. I. *Ibid.*, 64:2760-63. (1500)

*With W. D. McPhee, R. B. Carlin, and Z. W. Wicks:*

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The addition of dienes to certain di-*o*-methoxy-substituted cinnamic acids. II. *Ibid.*, 65:360-65. (1800)

**Alexander, Franz Gabriel, A.B., M.D.,** Associate Professor of Psychiatry

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**Alexander, John, A.M.,** Assistant in French

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**Alleman, Norville James, M.S.,** Special Research Associate Professor of Engineering Materials

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**Allen, Edward Dudley, B.S., M.D.,** Associate Professor of Obstetrics and Gynecology (Rush)

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**Allen, Harry Kenneth, Ph.D.**, Associate Professor of Economics and Director of the Bureau of Economic and Business Research

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**Almy, Gerald Marks, Ph.D.**, Professor of Physics

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**Alp, Herbert Howard, B.S.A.**, Associate Professor of Poultry Extension  
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**Anderson, Arthur G., C.E., Ph.D.**, Professor of Business Organization and Operation

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**Anderson, Harold Homer, Ph.D.**, Associate Professor of Psychology

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**Anderson, Harry Warren, Ph.D.**, Professor of Pomological Pathology

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**Andrews, Andrew Irving, Ph.D.**, Professor of Ceramic Engineering and Head of the Department

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- Iron oxide in enamel glass as dissolved from the metal base. *Ibid.*, 25:9:217-22. (2800)

**Apple, Carl, B.S., M.D.**, Assistant Professor of Ophthalmology

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**Ashby, Robert Childers, Ph.D.**, Professor of Livestock Marketing

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**Astell, Louis Alexander, M.S.**, Instructor in Education, Teacher of Science in University High School, and Supervisor of Science Aids Service

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**Audrieth, Ludwig Frederick, Ph.D., Associate Professor of Chemistry**

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**Babbitt, Harold Eaton, M.S., Professor of Sanitary Engineering**

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With D. H. Caldwell:

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**Badger, Alfred Earl, Ph.D., Research Associate Professor of Ceramic Engineering**

## ARTICLES:

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Electrical properties of ceramic materials. An. Rev. Subcom. Chem. Nat. Res. Council Conf. Elec. Insulation, 1942. (5000)

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**Badger, Carroll John, B.S., Associate in Soil Experiment Fields**

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**Baer, Reinhold, Ph.D., Associate Professor of Mathematics**

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**Goldhaber, Moritz, Ph.D.,** Assistant Professor of Physics

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**Harman, Marian, Ph.D.**, Cataloger in the Library

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Chlorosis in Sudan grass. *Ibid.*, 18:303-05. (1000)

With *G. R. Noggle*:

Effects of vitamins on germination and growth of orchids. *Bot. Gaz.*, 104:455-59. (3000)

**Young, Paul Thomas, Ph.D., Professor of Psychology**

## BOOKS:

Emotion in man and animal. John Wiley and Sons, N.Y., 1943. 422 pp.

**Ziegler, Lloyd Hiram, A.M., M.D., Lecturer in Psychiatry**

## ARTICLES:

With *R. B. Clarke*:

A survey of previous surgical operations among psychiatric patients. *Dis. Nerv. Syst.*, July, 1942.

Zimmermann, Arnold Albert, D. ès S., Professor of Anatomy

## ARTICLES:

Origin and development of pharyngeal lymphoid structures (abst.). *Ann. Otol. Rhin. Laryn.*, 51:1156-58. (1200)

The origin, development and adult structure of the palatine and pharyngeal tonsils in the opossum (*Didelphys virginiana*, Kerr). *Trans. Amer. Acad. Ophthal. Otolaryn. (Sup.)*, Jan., 1943, pp. 1-38. (14,000)

The arterial pattern in the fore- and hindlimbs of the opossum (abst.). *Anat. Rec.*, 85:59-60. (125)

Znaniecki, Florian Witold, Ph.D., Professor of Sociology

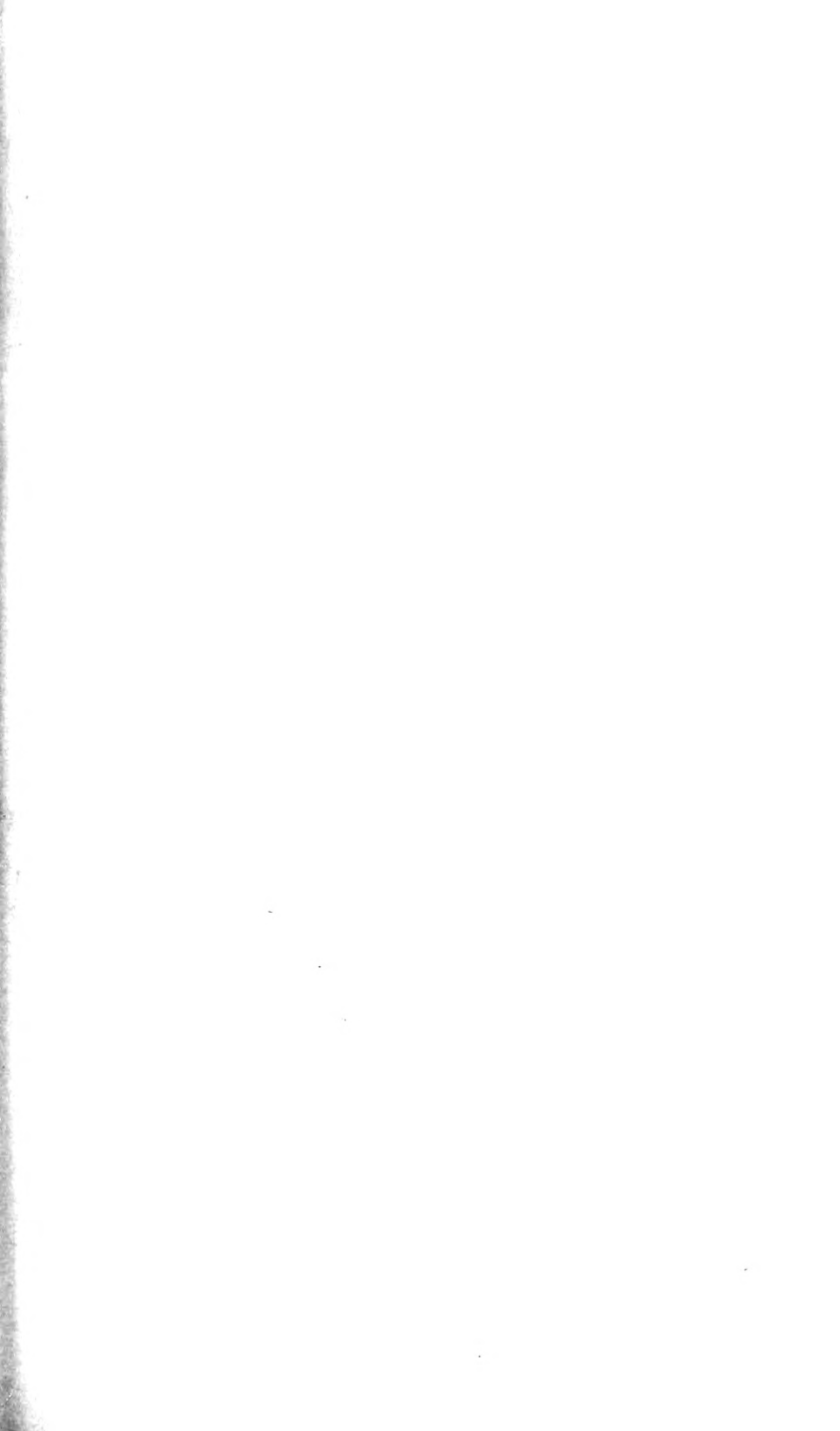
## ARTICLES:

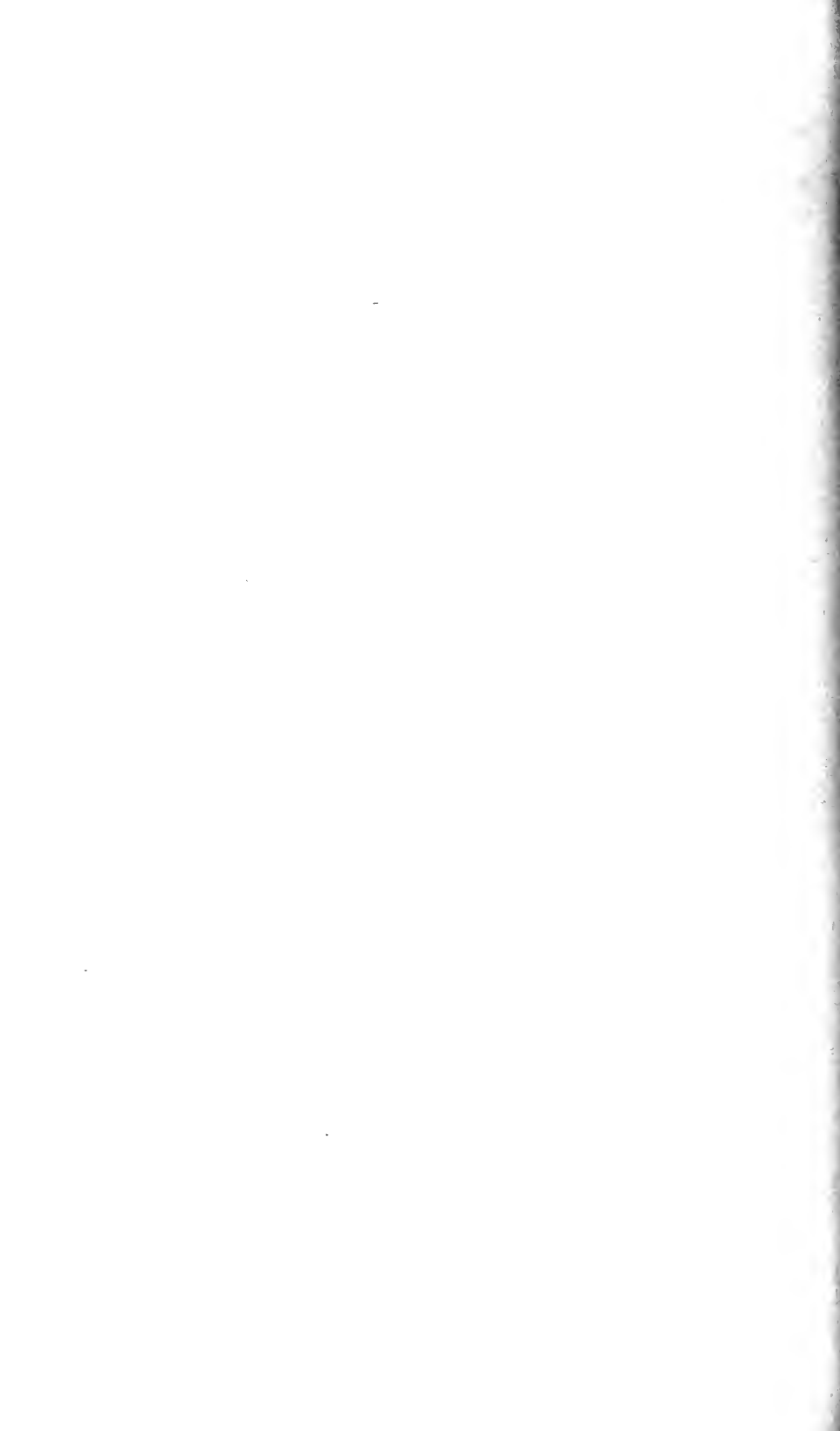
The impact of war on personality organization. *Sociol. and Soc. Res.*, 27:3:171-80. (3000)

## REVIEWS:

An Apache life-way, by M. E. Opler. *Amer. Sociol. Rev.*, 7:5:724-26. (1500)

The American spirit: a study of the idea of civilization in the United States, by C. A. Beard and Mary R. Beard (vol. 4 of *The Rise of American Civilization*). *Ibid.*, 8: 2:225-27. (2000)





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1943/44 UNIVERSITY OF ILLINOIS

ANNUAL LIST OF  
PUBLICATIONS  
OF THE FACULTY

May 1, 1943, to April 30, 1944



PUBLISHED BY THE UNIVERSITY OF ILLINOIS  
UNDER THE AUSPICES OF THE GRADUATE SCHOOL  
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## BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY OF THE UNIVERSITY OF ILLINOIS

May 1, 1943, to April 30, 1944

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1944, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1944-1945 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the superior rank, cross-references being used under the names of the others. Numbers in parenthesis indicate the approximate numbers of words.

**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department (on leave of absence)

### Books:

*With H. R. Snyder and others:*  
Organic reactions, vol. 2. John Wiley and Sons, N.Y., 1944. 461 pp.

### *With others:*

Organic syntheses, vol. 23. *Idem.* 1943. 124 pp.

### ARTICLES:

#### *With J. E. Mahan:*

Structure of monocrotaline. IX. Proof of the position of the double bond in retronecine. *J.A.C.S.*, 65:2009-12. (1800)

#### *With J. M. Wilkinson, Jr.:*

Structure of monocrotaline. X. Monocrotalic acid. *Ibid.*, 65:2203-08. (2500)

#### *With C. W. Theobald:*

Restricted rotation in aryl olefins. VII. A new synthesis of hindered  $\beta$ -substituted- $\beta$ -arylacrylic acids. *Ibid.*, 65:2208-11. (1500)  
Restricted rotations in aryl olefins. VIII. The synthesis and resolution of certain  $\beta$ -substituted- $\beta$ -arylacrylic acids. *Ibid.*, 65:2383-87. (1500)

#### *With N. J. Leonard:*

Structure of monocrotaline. XI. Proof of the structure of retronecine. *Ibid.*, 66:257-63. (2850)

### *With others:*

Substituted aminobenzofuroquinolines. *Ibid.*, 66:22-26. (2000)

**Alleman, Norville James, M.S.,** Special Research Associate Professor of Engineering Materials

### ARTICLES:

Studies of the pressure as affected by the area of contact between wheel and rail. *Proc. Amer. Ry. Eng. Assoc.*, 45:3-8. (1200)

Second progress report of the rolling-load tests of joint bars. *Ibid.*, 45:434-44. (3000)

### *With R. E. Cramer and R. S. Jensen:*

Ninth progress report of the joint investigation of fissures in railroad rails. *Ibid.*, 44:611-21; *Ill. Eng. Exp. Sta. Reprint Ser.*, 1943, No. 24, pp. 5-15. (6000)

**Allen, Edward Dudley, B.S., M.D.,** Associate Professor of Obstetrics and Gynecology (Rush)

### ARTICLES:

The importance to the adolescent girl of gynecological examination. *Ill. Med. J.*, 84:4.

**Allen, Harry Kenneth, Ph.D.,** Associate Professor of Economics and Director of the Bureau of Economic and Business Research (on leave of absence)

### ARTICLES:

Municipal finance. *Amer. Yr. Bk.*, 1943, pp. 268-74. (5000)

**Anderson, Chester Reed, A.M.,** Associate Professor of English

### ARTICLES:

Anyone can write letters. *Opinion and Comment*, 5:3. (3500)

**Anderson, Harold Homer, Ph.D.,** Associate Professor of Psychology

### ARTICLES:

Emotions—liability or asset. *Nat. Parent-Teacher*, 38:7-9. (1500)

### *With others:*

Mental hygiene and health education—a review of the literature for the three years ending July 1, 1943. *Rev. Educ. Res.*, 13:5:411-508.

**Andrews, Andrew Irving, Ph.D.,** Professor of Ceramic Engineering and Head of the Department

### ARTICLES:

Enameled utensils. *Bul. Amer. Cer. Soc.*, 22:8:282-83. (840)

Technical men in the enameling industry. *Ibid.*, 22:8:278-79. (550)

Report of special committee on status of ceramic engineers with selective service boards. *Ibid.*, 22:6:209-10. (480)

### *With G. H. Zink:*

Enameled utensil manufacturers' council tentative standard impact test for porcelain enameled cooking utensils. *Ibid.*, 22:8:283-86. (2030)

### *With M. K. Blanchard:*

Fundamental properties of soluble salts in enamel mill liquors. *J. Amer. Cer. Soc.*, 27:1:17-24. (1500)

Enamel film strength as affected by properties of enamel before, during and after drying. *Ibid.*, 27:1:25-31. (4700)

### *With H. R. Swift:*

Effect of composition and temperature on solubility of iron oxide in ground-coat enamel glass. *Ibid.*, 27:2:46-50. (2400)

### *With F. A. Petersen:*

Enameled utensil manufacturers' council tentative standard solubility test for porcelain enameled cooking utensils. *Ibid.*, 27:3:15. (1250)

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**Appleman, Milo Don**, Ph.D., Assistant Professor of Soil Biology

## ARTICLES:

- Artificial manures. Univ. Ill. Dept. Agron. Mimeo., 1160. Aug., 1943. 2 pp. (475)  
Effect of seed treatment on nodulation of soybeans and peas. *Soil Sci. Soc. Amer. Proc.*, 6:200-03. (1800)

See also O. H. Sears.

**Ashby, Robert C.**, Ph.D., Professor of Livestock Marketing

## ARTICLES:

- Responsibility of market agencies during war time. *St. Louis Daily Livestock Rptr.*, May 8, 1943. (4000)  
Market and return loads hauled by livestock trucks. Univ. Ill. Dept. Agr. Econ. Mimeo., 2092. (4200)  
Market agency responsibility during war time. *Proc. Nat. Livestock Exch.*, 59th An. Conv., pp. 23-35. (5200)  
1944 and lighter weight hogs. Univ. Ill. Dept. An. Husb. Mimeo., 1453. (4000)  
Cost and profit studies on lighter weight hogs. *Nat. Livestock Prod.*, 22:7:6-12. (2000)

## REVIEWS:

- World trade in agricultural products, by H. C. and A. D. Taylor, *J. Marketing*, 8:3:358. (600)

**Badger, Alfred Earl**, Ph.D., Research Associate Professor of Ceramic Engineering

## ARTICLES:

- Calcium fluoride-silica reaction as affected by water vapor. *Cer. Ind.*, 42:98-100. (500)  
With C. J. Uhrmann and A. C. Ottoson: Use of lead oxide in glassmaking refractories. *Glass Ind.*, 24:465. (2500)  
With H. Thurnauer and A. R. Rodriguez: Annual review of electrical properties of ceramic materials. *Nat. Res. Council Bul.*, 1943. (2500)

**Badger, Carroll John**, B.S., Associate in Soil Experiment Fields

See F. C. Bauer.

**Baer, Reinhold**, Ph.D., Professor of Mathematics

## ARTICLES:

- A theory of crossed characters. *Trans. Amer. Math. Soc.*, 54:103-70. (45,000)  
Radical extensions and crossed characters. *Bul. Amer. Math. Soc.*, 49:701-10. (6000)  
The higher commutator subgroups of a group. *Ibid.*, 50:143-60. (12,000)  
Groups without proper isomorphic quotient groups. *Ibid.*, 50:267-78. (7500)  
Radical ideals. *Amer. J. Math.*, 65:537-68. (22,000)  
Rings with duals. *Ibid.*, 65:569-84. (10,000)

**Ballar, John Christian, Jr.**, Ph.D., Professor of Chemistry

## ARTICLES:

- With C. L. Rollinson: Studies in the chromamines. III. Preparation of diacido-diethylenediamine salts by thermal decomposition of triethylenediamine luteo salts. *J.A.C.S.*, 66:641-44. (2500)

## REVIEWS:

- Your career in chemistry, by N. V. Carlisle. *Occupations*, 22:1:69. (450)

**Bailey, Harold Wood**, Ph.D., LL.D., Associate Professor of Mathematics and Director of the Personnel Bureau

## ARTICLES:

- With D. D. Feder: The selection and training of faculty counselors. *An. Rpt. Amer. Col. Personnel Assoc.*, 19:74-80. (300)

**Bailey, Percival**, Ph.D., M.D., Professor of Neurology and Neurological Surgery

## ARTICLES:

- Proceedings of the 1943 seminar of the American Society of Clinical Pathologists on intracranial tumors. *Amer. J. Clin. Path.*, 13:464-99.  
With G. von Bonin, W. S. McCulloch, and others: Functional organization of the medial aspect of the primate cortex. *J. Neurophysiol.*, 7:51-56.  
With E. W. Davis: A modification of the Horsley-Clarke stereotaxic apparatus. *J. Neuropath. Exp. Neurol.*, 2:99-101.  
Effects of lesions of the periaqueductal gray matter on the *Macaca mulatta*. *Ibid.*, 3:69-72.

- With E. W. Davis and K. Shimizu: Effects of implantation of methylcholanthrene on the brain of the dog. *Ibid.*, 3:184-88.

**Baker, Robert Horace**, Ph.D., D.Sc., Professor of Astronomy and Head of the Department

## ARTICLES:

- With Elaine Nantkes: Analysis of the Milky Way in Cassiopeia. *Astrophysical J.*, 99:125-33. (3000)

**Baldwin, Thomas Whitfield**, Ph.D., Professor of English

## BOOKS:

- William Shakspeare's Small Latine & Lesse Greeke. Univ. Ill. Press, Urbana, 1944. Vol. I, xviii + 753 pp.; Vol. II, vi + 772 pp.

**Bane, J. Lita**, A.M., D.Sc., Professor of Home Economics, Head of the Department, and Vice-Director of Home Economics Extension

## ARTICLES:

- Home economics—whither bound? *J. Home Econ.*, 36:1:1-4. (2000)  
The advisory committee for the bureau of human nutrition and home economics. *Omicron Nu*, 22:3:51-52. (500)  
The dietitian and today's educational problems. *J. Amer. Diet. Assoc.*, 19:9. (2500)

**Barnfield, William Fuller**, D.D.S., Instructor in Oral Pathology

## ARTICLES:

- With F. C. Schweitzer: Ameloblastoma of the mandible with metastasis to the lungs: report of a case. *J. Oral Surg.*, 1:287-95.

**Bartlett, James Holley**, Ph.D., Associate Professor of Theoretical Physics

## ARTICLES:

- The shape of betatron pole faces. *Phys. Rev.*, 64:185. (350)  
Mathematical physics. Mimeo., 1943. 89 pp.

**Bartow, Virginia, Ph.D.,** Assistant Professor of Chemistry

REVIEWS:

A chemical-technical dictionary (German-English-French-Russian), by A. W. Mayer. *Sch. Sci. Math.*, 44:91-92. (420)

**Bassoe, Peter, M.D.,** Rush Professor of Neurology, *Emeritus*

ARTICLES:

Early psychiatry in State of Illinois and neighboring territory. *Welfare Bul.*, 35:4:6. (1000)

**Bauer, Edward Ezra, M.S., C.E.,** Assistant Professor of Civil Engineering

ARTICLES:

Factors affecting specific gravity values in the proposed method of test for soils. *A.S.T.M. Bul.*, Dec., 1943, pp. 33-34. (1600)

**Bauer, Frederick Charles, Ph.D.,** Professor of Soil Fertility

ARTICLES:

Nitrogen problems in the midwest. *Soil Sci. Soc. Amer.*, 7:301-08. (5000)

Pasture fertility. Univ. Ill. Dept. Agron. Mimeo., 1148, May, 1943. 1 p.

With L. B. Miller:

Effect of soil and soil treatment on stability of crop production. *J. Amer. Soc. Agron.*, 35:6:475-81. (1400)

With C. J. Badger, P. E. Johnson, A. L. Lang, C. H. Farnham, L. F. Marriott, M. H. Nelson, and L. B. Miller:

Summaries of results in soil experiment fields to 1942. Univ. Ill. Dept. Agron. Mimeo. 26 articles of 4 pp. each.

**Beard, J. Howard, A.M., M.D.,** Professor of Hygiene, Head of the Department of Health Service, and University Health Officer

ARTICLES:

Student health services in a world at war. *Educ. Rec.*, 25:23-34. (3800)

**Beckett, Grace, Ph.D.,** Associate in Economics

ARTICLES:

World trade tomorrow. *Opinion and Comment*, 6:1:16-21. (2200)

Commerce on the Great Lakes system. *J. Marketing*, 8:4:426-29. (1400)

Carnauba wax in United States-Brazilian foreign trade. *Econ. Geog.*, 19:428-30. (900)

**Bell, John Fred, Ph.D.,** Professor of Economics and Acting Director of the Bureau of Economic and Business Research

ARTICLES:

Toward maintaining industrial peace. *Opinion and Comment*, 5:4. (5000)

Editorials and articles (unsigned). *Ill. Bus. Rev.*, 1:1-4:1-3.

**Benne, Kenneth Dean, A.M.,** Associate Professor of Education

Books:

A conception of authority. Teachers College, Columbia University, Bur. of Publications, N.Y., 1944. 210 pp.

With B. O. Smith and others:

The discipline of practical judgment in a democratic society. Chicago Univ. Press, Chicago, 1943. 268 pp.

Books (continued)

With others:

Mobilizing educational resources for the war and peace. Harpers, N.Y., 1943. 247 pp.

**Berdahl, Clarence Arthur, Ph.D.,** Professor of Political Science and Chairman of the Department

Books:

With others:

Regionalism and world organizations. American Council on Public Affairs, Washington, D.C., 1944. 162 pp.

With M. O. Hudson, P. Corbett, and others:

The international law of the future: principles, postulates, and proposals. Carnegie Endowment for International Peace, Washington, D.C., 1944. 173 pp.

ARTICLES:

The leadership of the United States in the postwar world. *Amer. Pol. Sci. Rev.*, 38:2:235-48. (6000)

With J. T. Shotwell, Q. Wright, and others:

The United Nations and the organization of peace: third report of the Commission to Study the Organization of Peace. *Internat. Conciliation*, 389:203-36. (13,000)

Fundamentals of the international organization; security and world organization; the economic organization of welfare. *Ibid.*, 396:5-110. (36,000)

With F. F. Blachly and others:

Report on the American political science review. *Amer. Pol. Sci. Rev.*, 38:1:141-50. (4000)

REVIEWS:

Towards an abiding peace, by R. M. MacIver. *Ibid.*, 37:6:1117-18. (900)

**Berg, Irwin August, Ph.D.,** Assistant Professor of Psychology, and Clinical Counselor and Psychometrist in the Personnel Bureau

ARTICLES:

Mental deterioration among sex offenders. *J. Crim. Law and Criminol.*, 34:3:184. (1000)

A comparative study of car thieves. *Ibid.*, 34:6:392-96. (3000)

The content of your speech. *Toastmaster*, 10:1:3-4. (1000)

With W. M. Gilbert:

Discarding the "white collar" halo. *J. Sch. Col. Placement*, 4:1:57-60. (2000)

**Bergeim, Olaf, Ph.D.,** Associate Professor of Biological Chemistry

ARTICLES:

With T. Cornbleet:

The antibacterial action of the lactic acid and volatile fatty acids of sweat. *Amer. J. Med. Sci.*, 205:785-92. (4200)

With E. R. Kirch:

Determination of *p*-aminobenzoic acid. *J. Biol. Chem.*, 148:445-50. (2000)

With T. Cornbleet and E. R. Kirch:

Excretion of thiamine, riboflavin, niacin and pantothenic acid in human sweat. *J.A.M.A.*, 122:426-29. (3600)

Ascorbic acid in sweat. *Proc. Soc. Exp. Biol. Med.*, 54:307-08. (750)

**Besic, Frank Charles, D.D.S.,** Associate in Operative Dentistry

ARTICLES:

The fate of bacteria sealed in dental cavities. *J. Dent. Res.*, 22:5:349-54. (2000)

**Birch, Carroll LaFleur, M.S., M.D., Associate Professor of Medicine**

## ARTICLES:

Anemia. *Dent. Outlook*, 31:5:202-06. (3200)

## REVIEWS:

Blood groups and transfusion, by A. S. Wiener. *Surg. Gyn. Obstet.*, 77:5.

**Black, Max, Ph.D., Professor of Philosophy**

## ARTICLES:

Quine's mathematical logic. *Mind*, 52:207:264-75. (5000)

The philosophy of G. E. Moore. *J. Philos.*, 40:25:682-95. (5500)

A mysterious null class. *Philos. Sci.*, 11:2:122. (500)

What is general education? *J. Higher Educ.*, 15:3:117-21. (2000)

## REVIEWS:

Les entretiens de Zurich, ed. by F. Gonseth. *Mind*, 52:208:373-74. (1000)

Cassirer versus Russell, by H. R. Smart. *J. Symb. Logic*, 8:3:83-84. (400)

The semantical aspect of sentences, by Elizabeth Beardsley. *Ibid.*, 8:3:85-86. (400)

Content analysis and the theory of signs, by Abraham Kaplan. *Ibid.*, 8:4:149. (350)

Twentieth century philosophy, ed. by D. D. Runes. *J. Higher Educ.*, 14:8:451. (500)

Liberal education, by Mark van Doren. *Ibid.*, 15:3:168-69. (600)

**Blair, Glenn Myers, Ph.D., Assistant Professor of Education**

## ARTICLES:

Remedial arithmetic in senior high schools. *Math. Teach.*, 36:8:346-50. (3300)

**Blanchard, William Oscar, Ph.D., Professor of Geography**

## ARTICLES:

Geographic factors in diplomacy. Chap. 25 in *Global Geography*. Crowell, N.Y., 1944.

The Baltic Sea—commercial blind alley. *J. Geog.*, 43:62-70. (3000)

**Blatt, Maurice Lamm, M.D., D.Sc., Professor of Pediatrics**

## ARTICLES:

With F. Steigmann and Josephine M. Dyniewicz:

Phenolphthalein tolerance in childhood. *J. Pediat.*, 22:6:719-25. (2350)

**Blodgett, Ralph Hamilton, Ph.D., Associate Professor of Economics**

## BOOKS:

Comparative economic systems. Macmillan Co., N.Y., 1944, xi + 845 pp.

## ARTICLES:

An evaluation of socialism, I. *Opinion and Comment*, 5:2:1-12. (6000)

An evaluation of socialism, II. *Ibid.*, 5:3:14-24. (5250)

The value of economics for the accountant. *Acct. Rev.*, 18:4:324-30. (3800)

With F. F. Gemmill:

The American economy in wartime. Harpers, N.Y., 1944. 55 pp.

## REVIEWS:

In defense of the west, by H. von Beckerath. *Ann. Amer. Acad. Pol. Soc. Sci.*, 228:122-23. (850)

Capitalism, socialism, and democracy, by J. A. Schumpeter. *Ibid.*, 228:126-27. (1050)

**Boekelheide, Virgil Carl, Ph.D., Special Research Assistant in Chemistry**

## ARTICLES:

With C. F. Koelsch:

The coupling of unsaturated compounds with diazonium salts. *J.A.C.S.*, 66:4:12-15. (3500)

## REVIEWS:

Elementary course in qualitative analysis, by Evans, Day, and Garrett. *Sch. Sci. Math.*, 44:488-89. (250)

**Bogart, Ernest Ludlow, Ph.D., Professor of Economics, Emeritus**

## ARTICLES:

An international lending agency. In *First Steps Toward World Economic Peace*, pp. 10-16. Citizens Conf. on Internat. Econ. Union, N.Y., Dec., 1943. (4000)

## REVIEWS:

The populist movement in the United States, by Anna Rochester. *Amer. Econ. Rev.*, June, 1943. (1000)

**Bolin, Oren, M.S., Assistant Professor of Plant Genetics**

See G. H. Dungan and C. M. Woodworth.

**Bonin, Gerhardt von, M.D., Professor of Anatomy**

## ARTICLES:

With P. Bailey, W. S. McCulloch, and others: Functional organization of the medial aspect of the primate cortex. *J. Neurophysiol.*, 7:51-56. (1200)

## REVIEWS:

On growth and form, by D. W. Thompson. *Bul. Math. Biophys.*, 5:111-14. (400)

**Bonnett, Orville Thomas, Ph.D., Professor of Plant Genetics**

## ARTICLES:

Prairie—a new variety of soft red winter wheat for Illinois. *Univ. Ill. Dept. Agron. Mimeo.*, 1155, June, 1943. (200)

With G. H. Dungan:

Better yields of spring oats with better varieties. *Ill. Ext. Serv. Agr. Home Econ. Circ.*, 570, Jan., 1944. (1300)

With G. H. Dungan and R. F. Fuelleman: Crop varieties for Illinois. *Univ. Ill. Dept. Agron. Mimeo.*, 1191, Feb., 1944. 12 pp.

**Bower, Oliver Kenneth, Ph.D., Associate in Mathematics**

## ARTICLES:

Plane geometry. *Practical Math.*, 5:260-92. (12,000)

**Boyd, Anne Morris, B.L.S., Associate Professor of Library Science**

## REVIEWS:

The United States Government as publisher, by L. C. Merritt. *Col. and Res. Lib.*, 4:4:325-27. (830)

**Bray, Roger Hammond, Ph.D., Professor of Soil Fertility**

## ARTICLES:

Potash and phosphate requirements (set of 8 tables). *Univ. Ill. Dept. Agron. Mimeo.*, 1198a-1198h, 8 pp.

The potash problem in Illinois. *Better Crops with Plant Food Mag.*, 28:4:8; *Univ. Ill. Dept. Agron. Mimeo.*, 1215. (4400)

- Britton, William Everett, A.M., J.D.,** Professor of Law
- BOOKS:**  
Bills and notes. West Publishing Company, St. Paul, Minn., 1943. 1245 pp.
- Broder, Samuel B., M.D., M.S.,** Assistant Professor of Psychiatry
- ARTICLES:**  
Russian psychological warfare. *Dis. Nerv. Sys.*, 4:5:154-58. (3600)  
With Irene C. Sherman:  
Dr. H. Douglas Singer's concept of the psychoses. *Arch. Neur. Psychiat.*, 49:732-38. (4500)
- Bronstein, I. Pat, B.S., M.D.,** Associate Professor of Pediatrics
- ARTICLES:**  
The diagnosis and prognosis of thyroid deficiency in childhood (including discussion). *Ill. Med. J.*, 84:3:206. (3500)  
Sickle cell anemia in a newborn infant. *Am. J. Dis. Chil.*, 66:95. (250)  
See also C. M. McKenna.
- Brooks, Neil Conwell, Ph.D.,** Professor of German, *Emcritus*
- ARTICLES:**  
A Latin morality dialogue of the fifteenth century. *J. Engl. Germ. Philol.*, 42:4:471-74. (1300)
- Brown, Dillon Sidney, Ph.D.,** Associate in Pomology
- ARTICLES:**  
Fertilizers for 1943-44. *Ill. State Hort. Soc. News Letter*, No. 5, Aug., 1943. (500)  
A note on ammonium nitrate fertilizer. *Ill. Hort.*, 32:3:3. (200)  
Fertilizers for orchards. *Ill. Fruit Exch. News*, 8:11:1. (1750)
- Brown, Ralph Crissman, B.S., M.D.,** Professor of Medicine (Rush)
- BOOKS:**  
Therapeutic agents in disorders of the alimentary tract. Nelson Loose-Leaf Medicine.
- Bruckner, Walter Herbert, A.B., Ch.E.,** Research Assistant Professor of Metallurgical Engineering
- See W. Wilson.
- Brunner, Hans, M.D.,** Associate Professor of Laryngology, Rhinology, and Otolaryngology
- ARTICLES:**  
Changes of the temporal bone in leukemia and otitis fibrosa. *Arch. Otolaryngol.*, 39: 1. (4300)  
Encephalography in otogenic and rhinogenic complications. *Laryngoscope*, 58:768. (3510)  
Otosclerosis. *Ibid.*, 53:736. (2000)  
Multiple spindle-cell sarcoma of the neck. *Ibid.*, 53:246. (2600)  
Chronic osteomyelitis of the skull. *Ann. Otol. Rhinol. Laryngol.*, 52:850. (15,700)
- With H. J. Hara:  
Delayed ossification of the temporal bone. *Ibid.*, 52:444. (4800)
- REVIEWS:**  
Neurology in otolaryngology. *Laryngoscope*, 53:117. (4700)  
Labyrinth in aviation. *J. Aviation Med.*, 14:132. (7800)
- Bucy, Paul C., M.S., M.D.,** Professor of Neurology and Neurological Surgery
- ARTICLES:**  
Traumatic intracranial hemorrhage. *Dis. Nerv. Sys.*, 4:133-37.  
With I. J. Spiegel:  
Unusual complications of intraspinal use of iodized oil. *J.A.M.A.*, 122:367-69.  
With K. H. Pribram:  
Localized sweating as part of localized convulsive seizures. *Arch. Neurol. Psychiat.*, 50:456-61.
- Bulkley, William Freeman, B.S.,** Assistant in Forestry Extension
- ARTICLES:**  
Illinois forestry manual for vocational agriculture teachers. Univ. Ill. Ext. Serv. Agr. Home Econ. Mimeo., Sept., 1943. 47 pp. (17,000)
- Bull, Sleeter, M.S.,** Professor of Meats
- ARTICLES:**  
Protein extenders. *Spotted Poland China Bul.*, 18:5:3. (1000)  
Standard vs. emergency rations for hogs in dry lot. *Ibid.*, 18:6:14. (1500)  
Shall we market hogs at heavy weights? *Ibid.*, 18:7:8. (1000)  
Pork fat is wasted. *Ibid.*, 18:9:10. (1000)  
Our meat supply. *Ibid.*, 18:10:8. (1000)  
Post-war food preservation. *Ibid.*, 18:11:3. (1000)  
What price fat? *Ibid.*, 18:8:3; *Nat. Livestock Prod.*, 31:11:11. (1000)  
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**Wall, Frederick Theodore, Ph.D., Associate Professor of Chemistry**

## ARTICLES:

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**Wallace, George Ira, Ph.D., Associate Professor of Bacteriology**

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**Walter, Marjorie Louise, A.B., Assistant in Speech**

*See Severina E. Nelson.*

**Ward, Gladys Josephine, A.M., Assistant Professor of Home Management Extension**

## ARTICLES:

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**Ward, Henry Baldwin, Ph.D., D.Sc., LL.D., Professor of Zoology, Emeritus**

## ARTICLES:

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**Watson, Floyd Rowe, Ph.D., Professor of Physics, Emeritus**

## ARTICLES:

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**Weaver, Virginia Hoyt, A.M., Assistant Professor of Home Economics**

## REVIEWS:

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**Webb, Richard Lockwood, Ph.D., Associate Professor of Anatomy**

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**Weinard, Frederick F., Ph.D., Associate Professor of Floricultural Physiology**

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**Wells, John Nelson, M.S.**, Associate in Agricultural Education and Assistant State Supervisor of Agricultural Education

ARTICLES:

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**Welser, Lyle, M.Ed.**, Instructor in Physical Education for Men

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**Werner, Raymond Clarence, Ph.D.**, Associate Professor of History

BOOKS:

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**Wiese, Alvin Carl, Ph.D.**, Special Research Associate in Chemistry

See *A. M. Buswell*.

**Wiggers, Harold Carl, Ph.D.**, Associate Professor of Physiology

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**Wildhagen, Arthur Rudolph, A.M.**, Editorial Writer in the Public Information Office

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**Wiley, Carroll Carson, B.S., C.E.**, Professor of Civil Engineering

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**Will, Samuel Frederic, Ph.D.**, Professor of French

ARTICLES:

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**Williams, Lewis Ward, Ph.D.**, Assistant Professor of Education and Secretary for the Senate Committee on the Appointment of Teachers

ARTICLES:

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**Wilson, Francis Graham, Ph.D.**, Professor of Political Science

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**Wilson, Wilbur M., M.M.E., C.E., D.Eng.**, Research Professor of Structural Engineering

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**Winaker, Arthur H., Ph.D., C.P.A.**, Assistant Director of the Bureau of Institutional Research

ARTICLES:

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**Windsor, Phineas Lawrence, Ph.B., Litt.D.,** Director of the Library, Director of the Library School, and Professor of Library Science, Emeritus

## ARTICLES:

- On general reading. *Ill. Lib.*, 26:83-85. (1800)  
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**Wingert, John B., M.S.,** Assistant Professor of Floriculture

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- Questions on culture of greenhouse tomatoes. *Ibid.*, 92:2377:21. (1000)

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**Wirth, Elmer Hauser, Ph.C., Ph.D.,** Professor of Pharmacognosy and Pharmacology

## ARTICLES:

- Pine oil. *Nat. Form. Bul.*, 9:168-74. (2600)  
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**Woodworth, Clyde Melvin, Ph.D.,** Professor of Plant Genetics

## ARTICLES:

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- Brief description of inbred lines of corn. *Ibid.*, 1209. 13 pp. (4000)

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- Corn-borer situation—1943. *Ill. Ext. Serv. Agr. Home Econ. Circ.*, 555. 12 pp. (2200)

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**Working, Elmer Joseph, M.S.,** Professor of Agricultural Economics

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- Price control and the wartime pricing of farm products. *J. Farm Econ.*, 26:1:110-21.  
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The hog situation—background developments. *Ibid.*, 98:478-82.

The hog price situation—some aspects of support and ceiling prices. *Ibid.*, 100:546-51.

Subsidies and the future of agricultural price supports. *Ibid.*, 103:25-28.

Prospects for farm population and employment after the war. *Ibid.*, 106:56-63.

**Wynd, F. Lyle, Ph.D.,** Assistant Professor of Botany

## ARTICLES:

Metabolic phenomena associated with virus infection in plants. *Bot. Rev.*, 9:395-465. (35,000)

A possible function of vitamin K in plants. *Amer. Nat.*, 78:59-67. (3200)

The concept of the cellular and organismic functions of the vitamins. *Chron. Bot.*, 8:424-26. (1800)

With E. L. Welker:

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With J. R. Romig:

Chemical characteristics of soils in the vicinity of Midland, Douglas County, Kansas. *Soil Sci.*, 56:135-42. (2000)

With G. R. Noggle:

Associations between phosphorus fractions and other chemical components in soil. *Ibid.*, 56:383-91. (2800)

**Young, Annette, M.S.,** Instructor in Foods and Nutrition Extension

## ARTICLES:

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**Young, Paul Thomas, Ph.D.,** Professor of Psychology

## ARTICLES:

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**Ziegler, Lloyd Hiram, A.M., M.D.,** Lecturer in Psychiatry

## ARTICLES:

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**Znaniecki, Florian Witold, Ph.D.,** Professor of Sociology

## BOOKS:

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## ARTICLES:

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BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY  
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May 1, 1944, to April 30, 1945

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1945, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1945-1946 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the superior rank, cross-references being used under the names of the others. Numbers in parenthesis indicate the approximate numbers of words.

**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry

ARTICLES:

With *J. W. Mecorney*:

The formation of a chromone by the von Pechmann condensation of ethyl acetate with 4-chloro-3,5-dimethylphenol. *J.A.C.S.*, 66:802-05. (1500)

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**Alexander, Franz G., A.B., M.D.,** Clinical Professor of Psychiatry

ARTICLES:

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**Alleman, Norville James, M.S.,** Special Research Associate Professor of Engineering Materials

ARTICLES:

Third progress report of the rolling load tests of joint bars. *Amer. Ry. Eng. Assoc.*, 46:451:633-44. (2700)

**Allen, Harry Kenneth, Ph.D.,** Professor of Economics and Director of the Bureau of Economic and Business Research

BOOKS:

With *R. P. Hackett and others*:

Twenty-seventh annual report of the Illinois State Department of Finance, 156 pp.

ARTICLES:

Municipal finance. *Amer. Yr. Bk.*, 1945.

**Allen, Raymond Bernard, M.D., Ph.D.,** Executive Dean of the Chicago Colleges and Dean of the College of Medicine

ARTICLES:

Introduction to *Ventures in Science of a Country Surgeon*, by A. E. Hertzler, 1944.

**Allen, Thomas Dyer, A.B., M.D.,** Clinical Associate Professor of Ophthalmology and Attending Ophthalmologist in the Illinois Eye and Ear Infirmary

ARTICLES:

Congenital glaucoma and congenital cataract. *Amer. J. Ophthalm.*, April, 1945.

ARTICLES (continued)

The history and development of the iris-inclusion operations. *Amer. J. Ophthalm.*, 27:9:964-76.

**Anderson, Harold Homer, Ph.D.,** Associate Professor of Psychology

ARTICLES:

Studies in dominative and socially integrative behavior. *Amer. J. Orthopsychiatry*, 15:1:133-39. (3650)

With *Grace B. Cox*:

A study of teachers' responses to problem situations in school as reported by teachers and students. *Ibid.*, 14:3:528-44. (8900)

REVIEWS:

Encyclopedia of child guidance, ed. by R. B. Winn. *Psychol. Bul.*, 42:1:58-59. (730)

**Anderson, Harold W., B.S., M.D.,** Clinical Assistant in Otolaryngology

ARTICLES:

Diagnosis and management of foreign bodies in the esophagus. *Qt. Chicago Med. Sch.*, 6:1:1.

**Anderson, Harry Warren, Ph.D.,** Professor of Plant Pathology

ARTICLES:

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With *Dwight Powell*:

"Fermate" for cedar rust control in Jonathan. *Trans. Ill. Hort. Soc.*, 77:488-93. (815)

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**Andrews, James Burton, M.S.,** Professor of Farm Management Extension

ARTICLES:

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Production capacity study of Illinois agriculture—postwar bench mark (1950). *Ibid.* 39 pp.

**Appleman, Milo Don, Ph.D.,** Assistant Professor of Soil Biology

ARTICLES:

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See also *O. H. Sears*.

**Ashby, Robert C., Ph.D.,** Professor of Livestock Marketing

## ARTICLES:

- Salesmanship vital in livestock marketing. *Proc. 56th An. Convention Nat. Livestock Exchange*, June 1-3, 1944, pp. 57-70. (6200)
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- Save in buying feeder cattle. *Ill. Farm Econ.*, No. 113, pp. 162-65. (1400)
- With S. Bull and R. J. Webb:  
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## REVIEWS:

- Two billion acre farm, by R. W. Howard. *Nat. Livestock Prod.*, 23:7:15. (240)

**Babbitt, Harold Eaton, M.S.,** Professor of Sanitary Engineering

## ARTICLES:

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**Bacon, Charles Melville, B.S., M.D.,** Associate in Medicine

## ARTICLES:

- Actinobacillus lignieresii endocarditis. *Arch. Path.*, 38:332-36. (4500)

**Badger, Alfred Earl, Ph.D.,** Research Associate Professor of Ceramic Engineering

## ARTICLES:

- With G. H. Johnson:  
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- See also R. H. Bray.

**Badger, Carroll John, B.S.,** Associate in Soil Experiment Fields

See F. C. Bauer.

**Baer, Reinhold, Ph.D.,** Professor of Mathematics

## ARTICLES:

- Crossed isomorphisms. *Amer. J. Math.*, 64: 341-404.
- The fundamental theorems of elementary geometry; an axiomatic analysis. *Trans. Amer. Math. Soc.*, 56:94-129.

**Ballar, John Christian, Jr., Ph.D.,** Professor of Chemistry

## ARTICLES:

- The oxidation states of silver. *J. Chem. Educ.*, 21:523-25. (3100)
- With L. B. Clapp:  
The preparation and properties of inorganic coordination compounds. I. The action of some organic amines upon dichloroethylenediamine cobaltic chloride. *J.A.C.S.*, 67: 171-75. (3200)
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The role of catalysis in the preparation and reactions of some cobaltic and chromic amines. *Ibid.*, 67:176-79. (2550)

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- Tungsten, by K. C. Li and C. Y. Wang. *J. Chem. Educ.*, 21:311. (400)
- Systematic inorganic chemistry (of the fifth and sixth group non-metallic elements), by D. M. Yost and Horace Russell, Jr. *Ibid.*, 21:467. (425)

**Bailey, Albert David, A.B., B.S.,** Instructor in Electrical Engineering

See G. H. Fett.

**Bailey, Harold Wood, Ph.D., LL.D.,** Director of the Student Personnel Bureau and Associate Professor of Mathematics

## ARTICLES:

- With K. M. Dallenbach:  
A study of selective procedures and educational achievement of ASTP trainees processed by the STAR unit at the University of Illinois. *Amer. J. Psychol.*, 58: 1:1-24. (7000)

**Bailey, Percival, Ph.D., M.D.,** Professor of Neurology and Neurological Surgery

## ARTICLES:

- The relationship of the motor cortex to the cerebellum. Chap. X in *The Precentral Motor Cortex*, Univ. Ill. Press, 1944, pp. 279-91.
- Psychiatry: its relation to general surgery. Section 5 of Part I in *Psychiatry and the War*, C. C. Thomas, 1944, pp. 38-50.
- With G. von Bonin, E. W. Davis, H. W. Garol, and W. S. McCulloch:  
Further observations on associational pathways in the brain of *Macaaca mulatta*. *J. Neuropath. and Exp. Neurol.*, 3:413-16.

**Balduf, Walter Valentine, Ph.D.,** Professor of Entomology

## ARTICLES:

- Raids of *Formica sanguinea* Latr. (Hym., Formicidae). *Entom. News*, 56:2:40-44.

**Bane, J. Lita, A.M., D.Sc.,** Professor of Home Economics and Head of the Department and Vice-Director of Home Economics Extension

## ARTICLES:

- With R. C. Freeman:  
Saving and spending patterns. *Amer. Econ. Rev.*, 34:2:344-50. (4000)

**Barnfeld, William Fuller, D.D.S.,** Instructor in Oral Pathology

## ARTICLES:

- Subacute bacterial endocarditis and dental procedures. *Amer. J. Orthodontics and Oral Surg.* (Oral Surg. Sect.), 31:55-88.

**Bartlett, James Holley, Ph.D.,** Professor of Theoretical Physics

## ARTICLES:

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**Bauer, Frederick Charles, Ph.D.,** Professor of Soil Fertility

## ARTICLES:

- With C. J. Badger, P. E. Johnson, A. L. Lang, C. H. Farnham, L. F. Marriott, M. H. Nelson, and L. B. Miller:  
Summaries of results in soil experiment fields to 1944. Univ. Ill. Dept. Agron. Mimeo. 25 articles of 4 pp. each.
- With L. B. Miller:  
Soil treatments for winter wheat—a summary of field experiments. *Ill. Agr. Exp. Sta. Bul.*, 503, pp. 175-211. (8200)

**Beamer, Paul Donald, M.S., D.V.M.,** Emergency District War Food Assistant  
See R. Graham.

**Beard, J. Howard, A.M., M.D.,** Professor of Hygiene, Head of the Department of Health Service, and University Health Officer

## ARTICLES:

Tuberculosis in college students. *Contact*, 9:33. (2000)

**Becker, Oscar J., B.S., M.D.,** Clinical Instructor in Otolaryngology

## ARTICLES:

Surgical correction of protruding ears. *Eye, Ear, Nose, Throat Mo.*, 24:177-81. (1500)

**Beckett, Grace, Ph.D.,** Assistant Professor of Economics

## REVIEWS:

A modern foreign policy for the United States, by J. M. Jones. *Hispanic Amer. Hist. Rev.*, 24:4:626-27. (550)

**Bell, John Fred, Ph.D.,** Professor of Economics

## ARTICLES:

France as a great economic power. *Opinion and Comment*, 7:2:6-16. (5000)

Fluorspar—a vital material. *Purchasing*, Mar., 1945, pp. 111-15. (3000)

Eight editorials in the *Ill. Bus. Rev.*, May-Aug., 1944; Jan.-Apr., 1945. (1000 each)

**Beltung, Natalia Maree, Ph.D.,** Associate in History

## ARTICLES:

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**Benensohn, Sol J., B.S., M.D.,** Clinical Instructor in Obstetrics and Gynecology

See F. H. Falls.

**Bennett, Granville Allison, B.S., M.D., A.B.,** Professor of Pathology and Head of the Department

## ARTICLES:

Histopathology of rheumatoid arthritis (abst.). *Proc. Inst. Med. Chicago*, 15:1:1:260. (250)

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**Berdahl, Clarence Arthur, Ph.D.,** Professor of Political Science and Chairman of the Department

## ARTICLES:

With J. T. Shotwell, Q. Wright, and others:

The general international organization: Its framework and functions; International safeguard of human rights (fourth report of commission to study the organization of peace, part III). *Internat. Conciliation*, 403:547-75. (11,000)

## REVIEWS:

The time for decision, by Sumner Welles. *Amer. Pol. Sci. Rev.*, 39:1:167-69. (1200)

The battle against isolation, by Walter Johnson. *Ibid.*, 39:1:172-73. (1000)

Pioneers in world order: an American appraisal of the League of Nations, ed. by Harriet E. Davis. *Ibid.*, 39:2:363-65. (1000)

National and international stability, by P. S. Gerbrandy. *Amer. J. Internat. Law*, 39:2:375-76. (500)

**Berg, Irwin August, Ph.D.,** Clinical Counselor and Psychometrist in the Student Personnel Bureau and Assistant Professor of Psychology

## BOOKS:

With others:

Psychology for the returning serviceman. Penguin Books, N. Y., 1945. 243 pp.

## ARTICLES:

A comparative study of forgery. *J. Applied Psychol.*, 28:3:232-38. (3600)

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**Meyer, Esther, Ph.G., M.S.,** Associate in Bacteriology and Public Health

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**Miller, Lawrence Byrne, B.S.,** Assistant Chief in Soil Experiment Fields

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**Thompson, S. Earl, A.M., Acting Director of Student Housing and Director of Residence Halls**

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**Voigt, Ralph Ferdinand, Ph.D.,** Assistant Professor of Pharmacognosy and Pharmacology

**ARTICLES:**

How should a student's ability to do graduate work in pharmacognosy and pharmacology be evaluated? *Amer. J. Pharm. Educ.*, 9:26-29. (1000)

See also E. H. Wirth.

**Von Bonin, Gerhardt, M.D.,** Professor of Anatomy

**ARTICLES:**

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Architecture of the precentral motor cortex. Chap. 2 in *The Precentral Motor Cortex*, ed. by P. C. Bucy. Univ. Ill. Press, Urbana, 1944. (30,000)

With W. S. McCulloch:

Excitatory and inhibitory processes within the motor centers of the brain (trans. from German of Bubnoff and Heidenhain). *Ibid.*, Chap. 7.

**Wakerlin, George Earle, Ph.D., M.D.,** Professor of Physiology and Head of the Department, and Assistant Dean of the College of Medicine in Charge of Teaching and Research at Presbyterian Hospital

**ARTICLES:**

With M. L. Goldberg:

Further observations on the prophylaxis of experimental renal hypertension with renal extracts. *Fed. Proc. Amer. Soc. Exp. Biol.*, 4:24-25.

The effect of hypertension in renal hypertensive dogs. *Proc. Cent. Soc. Clin. Res.*, 17:56-57. (300)

With M. L. Goldberg and W. G. Moss:

Treatment of spontaneous hypertension in the dog with renal extracts. *Ibid.*, 17:57-58. (300)

With W. G. Moss:

Effect of various marine oil preparations on experimental renal hypertension. *Ibid.*, 17:58-59; *Fed. Proc. Amer. Soc. Exp. Biol.*, 4:53.

With O. Kamm and W. Donaldson:

Treatment of experimental renal hypertension with hog renal extract fractions. *Fed. Proc. Amer. Soc. Exp. Biol.*, 4:73-74.

Relation of amount of renal tissue to anti-hypertensive effect of renal extracts in experimental renal hypertension. *Ibid.*, 4:74.

With C. A. Johnson, W. G. Moss, and M. L. Goldberg:

Treatment of experimental renal hypertension with renal extracts. *J. Pharm. Exp. Ther.*, 81:101-10. (2500)

**Walker, Ernest DeWitt, B.S.**, Associate Professor of Agronomy Extension and Extension Soil Conservationist

## ARTICLES:

*With W. F. Purnell:*

A guide to soil conservation district organization in Illinois. Univ. Ill. Dept. Agron. Mimeo. 1230, Aug., 1944. 7 pp. (3100)

**Walker, Harold L., M.S., Met.E.**, Professor of Metallurgical Engineering and Head of the Department of Mining and Metallurgical Engineering

## REVIEWS:

Grain shape and grain growth, by D. Harker and E. R. Parker. *Trans. Amer. Soc. Metals*, 34:196-98. (1200)

**Wall, Frederick Theodore, Ph.D.**, Associate Professor of Chemistry

## ARTICLES:

The structure of copolymers, II. *J.A.C.S.*, 66:2050-57. (6000)

**Walsh, Letitia Edwards, A.M.**, Associate Professor of Home Economics Education

## ARTICLES:

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The march of events on the home economics front. *Ibid.*, 19:3:19-20. (1500)

Homemaking ahead. *Ibid.*, 20:1:35-36; 20:2:42; 20:3:43; 20:4:35. (3200)

Seeing through Mary, then seeing Mary through. *Ill. Voc. Prog.*, 2:2:73-79. (2500)

Discovered: a certainty in an uncertain world. *Sch. Col. Placement*, 5:3:21-26. (1500)

Postwar reconstruction. *J. Home Econ.*, 37:93-94. (700)

*With Florence Bodenbach:*

Programs for progress. *Practical Home Econ.*, 23:2:70. (1500)

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**Walters, Charles Sebastian, M.S.**, Assistant Chief in Forest Utilization

## ARTICLES:

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Necessity: mother of invention. Home made labor saving devices. *Timberman*, Feb., 1945, pp. 142-44. (1000)

**Ward, Gladys Josephine, A.M.**, Assistant Professor of Home Management Extension

## ARTICLES:

Home safety sessions. *J. Home Econ.*, 37:1:31-32. (425)

Check your kitchen for efficiency. Univ. Ill. Ext. Serv. Agr. Home Econ. Mimeo. 3085. Nov., 1944. 13 pp. (650)

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*With Ruth C. Freeman:*

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**Ward, Henry Baldwin, Ph.D., D.Sc., LL.D.**, Professor of Zoology, Emeritus

## ARTICLES:

Education in conservation of our natural resources. Izaak Walton League of America, Chicago, 1944. 32 pp.

**Washburn, Kenneth Clinton, B.S., D.D.S.**, Instructor in Operative Dentistry

## ARTICLES:

Evaluation of acrylics in operative dentistry. *Fortnightly Rev. Chicago Dent. Soc.*, 7:9:8-10; *Dent. Dig. Pract.*, 5:1:43; *Yrbk. Dent.*, 1944, p. 224.

**Watson, Floyd Rowe, Ph.D.**, Professor of Experimental Physics, Emeritus

## ARTICLES:

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Acoustics of buildings, with applications in the pentagon. *Eng. and Sci. (Calif. Instit. Technol.)*, 7:9:4-7; *Southwest Builder and Contractor*, 103:20. (4000)

**Weaver, Virginia Hoyt, A.M.**, Assistant Professor of Home Economics

## ARTICLES:

Housing. *J. Home Econ.*, 37:5:311-12. (1300)

**Webb, Robert Johnson, M.S.**, Assistant Professor of Agricultural Extension and Superintendent of Dixon Springs Experiment Station

*See W. G. Kammlade and S. Bull.*

**Webster, George Lewis, Ph.G., Ph.D.**, Professor of Chemistry

## ARTICLES:

Proteins and amino acids—their roles in nutrition and in medicine. *Nat. Assoc. Retail Drug. J.*, Feb. 19, 1945, pp. 299-306. (3500)

*With I. J. Kashi and E. R. Kirck:*

Ascorbic acid content of tomatoes. *Food Res.*, 9:5:386-91. (800)

**Weeks, Francis William, A.M.**, Assistant in Business English

*See Alta Gwinn Saunders.*

**Weiss, John Nelson, M.S.**, Assistant Professor of Agricultural Education

## ARTICLES:

City youth are trained for farm work. *Ill. Voc. Prog.*, 1:3. (1500)

**Welser, Lyle, M.Ed.**, Instructor in Physical Education for Men

## ARTICLES:

Gymnastics to the fore. *South. Coach and Athlete*, Sept., 1944. (3500)

*See also T. K. Cureton.*

**Whalin, Oren Leslie, Ph.D.**, Associate Professor of Agricultural Extension

## ARTICLES:

Some developments in wartime agricultural production in Illinois. *Ill. Acad. Sci. Trans.*, 37:33-35. (1800)

*See also C. L. Stewart.*

**Wheeler, Katherine McGraw, A.B., B.L.S.,** Catalog Reviser in the Library (with rank of Assistant Professor)

## ARTICLES:

151 catalog entries for Illinois state documents, University of Illinois Press publications, and foreign books. Printed by Lib. of Cong. (6500)

**Whiteside, Eugene Perry, Ph.D.,** Assistant Chief in Soil Physics and Soil Survey

## With C. E. Marshall:

Mineralogical and chemical studies of the Putnam silt loam soil. *Univ. Mo. Agr. Exper. Sta. Bul.*, 386, Nov., 1944. (15:550)

**Whitlock, Mary Cecella, A.M.,** Assistant Professor of Home Economics

## ARTICLES:

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**Wiggers, Harold Carl, Ph.D.,** Associate Professor of Physiology

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**Wilcox, Roy Harold, Ph.D.,** Associate Professor of Farm Management

## ARTICLES:

The cost of producing hemp in Illinois in 1943. *Ill. Farm Econ.*, 108:77-85. (2250)

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Farm building costs. *Ibid.*, 116-17:190-94. (2000)

The cost of producing soybeans in Illinois. *Chemurgic Dig.*, 3:22:330-32. (1000)

**Will, Samuel Frederic, Ph.D.,** Professor of French

## ARTICLES:

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**Wills, John Elliot, Ph.D.,** Assistant Professor of Farm Management

## ARTICLES:

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Minutes count in the feedlot. *Successful Farming*, 42:7:23. (2000)

**Wilson, Francis Graham, Ph.D.,** Professor of Political Science

## ARTICLES:

The work of the political theory panel. *Pol. Sci. Rev.*, 38:4:726-32. (3200)

We turn to the right. *Opinion and Comment*, 6:4:31-36. (3000)

Public policy in constitutional reform. *Rev. Pol.*, 7:58-73. (7000)

## ARTICLES (continued)

## With others:

Research in political theory (a symposium). *Pol. Sci. Rev.*, 38:4:726-54. (16,000)

## REVIEWS:

Faith, reason, and civilization; an essay in historical analysis, by H. J. Laski. *Ibid.*, 38:6:1224-25. (550)

**Wilson, Wilbur M., M.M.E., C.E., D.Eng.,** Research Professor of Structural Engineering

## ARTICLES:

Fatigue a factor in structural design. *J. Western Soc. Eng.*, 49:2:51-60. (4250)

**Wirth, Elmer Hauser, Ph.C., Ph.D.,** Professor of Pharmacognosy and Pharmacology and Director of the Drug Plant Experiment Station

## ARTICLES:

The detection of aloin in resins of ipomoea and jalap. *Nat. Formulary Bul.*, 12:149-52. (1000)

The twenty-second annual plant science seminar. *Amer. J. Pharm. Educ.*, 8:678-80. (950)

Pharmaceutical education and the plant science seminar. *Ibid.*, 9:200. (1200)

The 1944 plant science seminar. Abstract of proceedings. *J.A.Ph.A.*, 33:547-50. (3500)

Chairman's report and articles. *Circ. Subcom. Pharmacog. Nat. Formulary*, 8:352-84. (9000)

## With A. F. DeRose:

Comparative studies of Chinese and rhapontic rhubarbs. *Pharm. Arch.*, 15:65-96; 16:1-5. (17,500)

## With E. N. Gathercoal:

Alcohol-soluble extractive of lappa. *Ibid.*, 16: 5-8. (1000)

## With H. W. Youngken:

A pharmacognostical study of European and American arnicas. *J.A.Ph.A.*, 34:64-73. (5000)

## With H. F. Schloemer and F. T. Maher:

A study of the responses of intact canine uteri following orally administered ergot alkaloids. *Ibid.*, 34:94-96. (3000)

## With R. F. Voight:

The medicinal plant cultivation program at the College of Pharmacy, University of Illinois. *Proc. Conf. Drug and Econ. Plants, 1943*, Calif. State Dept. Educ., 1944, pp. 69-74. (3000)

**Wisely, William Homer, B.S., C.E.,** Lecturer in Sanitary Engineering

## ARTICLES:

Thirty-seven articles and editorials in *Sewage Works J.*, May, 1944-Mar., 1945.

**Woodrow, Herbert, Ph.D.,** Professor of Psychology and Head of the Department

## ARTICLES:

Intelligence and improvement in school subject. *J. Educ. Psychol.*, 36:3:155-56. (4500)

**Woodworth, Clyde Melvin, Ph.D.,** Professor of Plant Genetics

## ARTICLES:

Creating new kinds of soybeans. *Univ. Ill. Dept. Agron. Mimeo.* 1219, May, 1944. 5 pp. (2500); *Soybean Dig.*, 4:11:56-58. (2000)

WOODWORTH, C. M.—Articles (continued)

With L. F. Williams:

Lincoln soybeans. Univ. Ill. Dept. Agron.  
Mimeo. 1246, Feb., 1945. 9 pp. (1550)

Young, Annette, M.S., Instructor in Foods  
and Nutritional Extension

ARTICLES:

Motivation of community groups in nutrition education. *J. Amer. Diet. Assoc.*, 21: 1:26-27. (900)

Menus and recipes for nursery schools and day care centers in Illinois. Women's Div. Ill. War Council, Jan., 1945. 17 pp.

Health unit in nutrition for rural schools. Univ. Ill. Ext. Serv. Agr. Home Econ. Mimeo. 3275, Aug., 1944. 35 pp.

Survey forms for children's food intakes. *Ibid.*, 3287, 3238c, Apr., 1945. 2 pp.

Young, Paul Thomas, Ph.D., Professor of Psychology

ARTICLES:

Studies of food preference, appetite and dietary habit: (I) Running activity and dietary habit of the rat in relation to food preference. *J. Comp. Psychol.*, 37:6: 327-70. (24,000)

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ARTICLES (continued)

maintenance as a method in the study of food preferences. *Ibid.*, 37:6:371-91. (11,000)

With J. P. Chaplin:

Studies of food preference, appetite and dietary habit: (III) Palatability and appetite in relation to bodily need. *Comp. Psychol. Monog.*, 18:3:1-45. (25,000)

With H. B. Carlson and R. P. Fischer:

Improvement in elementary psychology as related to intelligence. *Psychol. Bul.*, 42: 1:27-34. (3000)

Zeller, Michael, M.D., Clinical Instructor in Medicine

ARTICLES:

The influence of hypnosis on passive transfer and skin tests. *Ann. Allergy*, 2:515-17.

Znaniecki, Florian Witold, Ph.D., Professor of Sociology

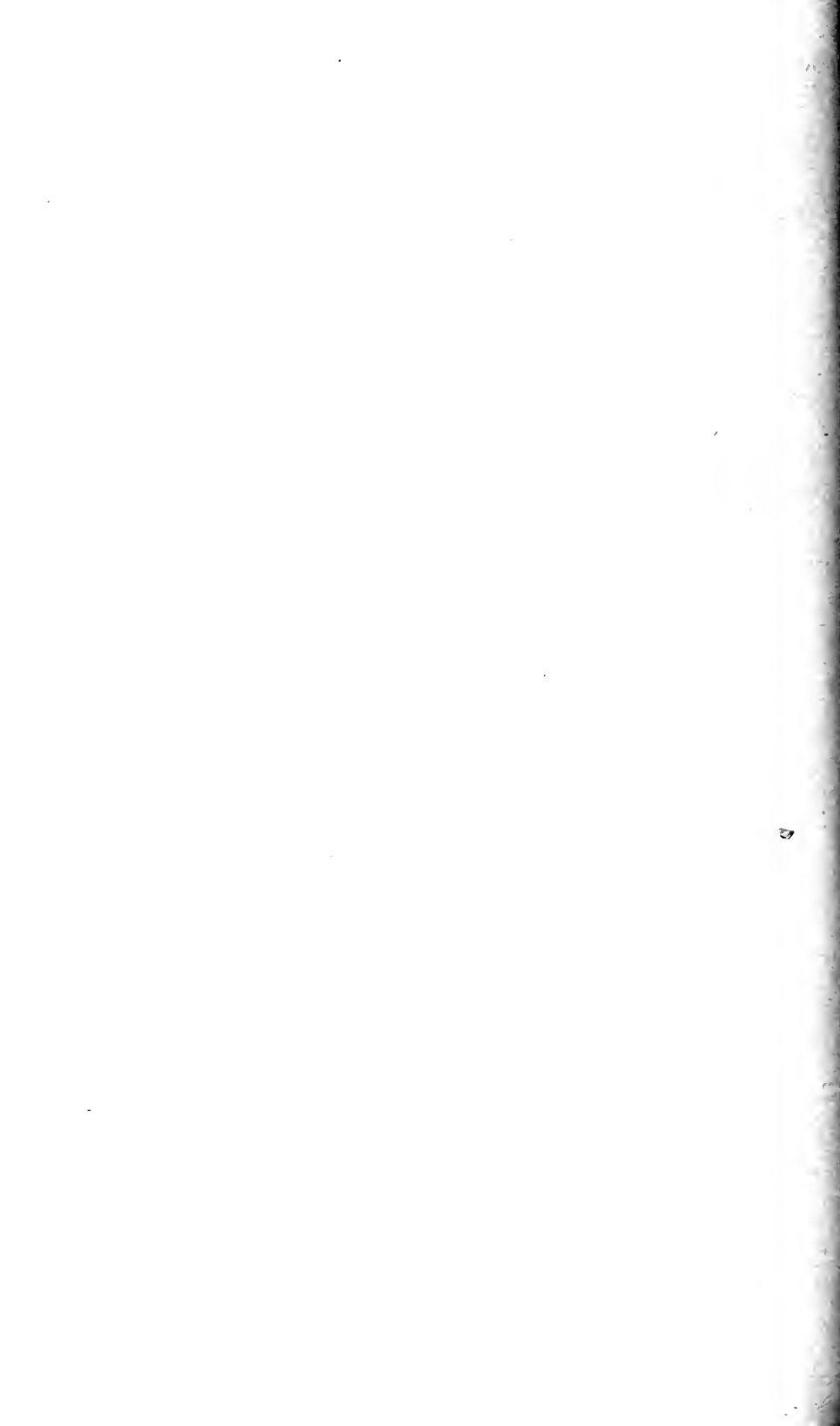
BOOKS:

Las sociedades de cultura nacional y sus relaciones. El Colegio de Mexico, Mexico, D.F., 1944. 80 pp.

REVIEWS:

Dictionary of sociology, ed. by H. P. Fairchild. *Amer. Sociol. Rev.*, 9:582-83. (600)





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ANNUAL LIST OF  
PUBLICATIONS  
OF THE FACULTY

May 1, 1945, to April 30, 1946



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**BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY  
OF THE UNIVERSITY OF ILLINOIS**

May 1, 1945, to April 30, 1946

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1946, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1946-1947 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the superior rank, cross-references being used under the names of the others. Numbers in parenthesis indicate the approximate numbers of words.

**Adams, Gail Dayton, Jr., Ph.D.,** Research Assistant Professor of Physics

ARTICLES:

Use of the betatron in radiography. *Ind. Radiography*, 4:3:23-30. (4000)

With J. P. Girard:

Application of the betatron to practical radiography. *Elec. Eng.*, 65:5:241-46. (3500)

**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry

ARTICLES:

Present status of German scientific publications. *Chem. and Eng. News*, 24:790-97. (1500)

Responsibilities of employers to professional employees. *Ibid.*, 23:1706-11. (9000)

With R. S. Ludington:

Restricted rotation in aryl olefins. IX. Effect of various substituents on the olefin grouping. *J.A.C.S.*, 67:794-97. (1850)

With K. H. Chen and S. Loewe:

Tetrahydrocannabinol homologs with a s-alkyl group in the 3-position. XVI. *Ibid.*, 67:1534-37. (1200)

**Alberts, Joseph Ortan, M.S., D.V.M.,** Assistant Professor of Veterinary Bacteriology

ARTICLES:

With H. Hardenbrook, Jr., and H. S. Bryan: Studies on bovine mastitis. III. Penicillin therapy in streptococcal mastitis. *J.A.V.M.A.*, 108:828:140-42. (1100)

See also J. Sampson.

**Alexander, Franz Gabriel, A.B., M.D.,** Clinical Professor of Psychiatry

BOOKS:

With T. M. French and others:

Psychoanalytic therapy, principles and applications. Ronald Press, N.Y., 1946. xiii + 353 pp.

ARTICLES:

Our present trends in psychiatry and the future outlook in modern attitudes in psychiatry. Pages 61-89 in *The March of Medicine, 1946* (N.Y. Acad. Med.), Columbia Univ. Press, N.Y., 1946.

Individual psychotherapy. *Psychosom. Med.*, 7:2:110-15.

With G. Piers:

Psychoanalysis — a review of psychoanalytic literature for 1945. In *Progress in Neuro-psychiatry*, Gruen and Stratton, Inc., N.Y., 1946.

With L. N. Bollmeier and A. Meyer:

Correlation between emotions and carbohydrate metabolism in two cases of diabetes mellitus. *Psychosom. Med.*, 7:6:110-15.

**Alleman, Norville James, M.S.,** Special Research Associate Professor of Engineering Materials

ARTICLES:

The effect of the ratio of wheel diameter to wheel load on extent of rail damage. *Amer. Ry. Eng. Assoc. Bul.*, 47:453:48-64. (2500)

Fourth progress report of the rolling load tests of joint bars. *Ibid.*, 47:458:414-28. (4000)

Progress report on the effect of the ratio of wheel diameter to wheel load on extent of rail damage. *Ill. Eng. Exp. Sta. Reprint Ser.*, No. 33. 19 pp.

With H. F. Moore, R. S. Jensen, and R. E. Cramer:

Progress reports of investigation of railroad rails and joint bars. *Ibid.*, No. 32. 48 pp. (24,000)

**Allen, Harry Kenneth, Ph.D.,** Professor of Economics and Director of the Bureau of Economic and Business Research

ARTICLES:

Municipal finance. *Amer. Yr. Bk.*, 1946. (4000)

Full-value assessment program in Illinois. *Bul. Nat. Tax Assoc.*, 31:4. (4200)

Eight editorials in the *Ill. Bus. Rev.*, Sept., 1945-April, 1946. (1000 each)

**Allen, Robert Marion, M.S.,** Teacher of Physical Education in the University High School

See T. K. Cureton, Jr.

**Anderson, Harold Homer, Ph.D.,** Associate Professor of Psychology

BOOKS:

With Helen M. Brewer:

Studies of teachers' classroom personalities. I. Dominative and socially integrative behavior of kindergarten teachers. *Applied Psychol. Monog.*, No. 6. Stanford Univ. Press, 1945. 157 pp.

ARTICLES:

Objective criteria for progress in psychotherapy. *Amer. J. Orthopsychiatry*, 16:2:358-60. (1000)

Talent should be fostered, not forced. *Nat. Parent-Teacher*, 40:2:25-27. (1600)

**Anderson, Harry Warren, Ph.D.,** Professor of Plant Pathology

ARTICLES:

Antibiotics. *Opinion and Comment*, 7:4:9-15. (3500)

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**Andrews, Andrew Irving**, Ph.D., Professor of Ceramic Engineering and Head of the Department

## ARTICLES:

- Wake up, executives. *Cer. Ind.*, Feb., 1945. (800)  
 Foresight or hindsight. *Enamelist*, Feb. 5, 1946. (750)  
 Porcelain enamel. I. Drying. *Better Enameling*, Feb., 1946, pp. 8-10. (1875)  
 Porcelain enamel. II. Firing. *Ibid.*, March, 1946. (1690)  
 Porcelain enamel. III. Firing principles. *Ibid.*, April, 1946, p. 11. (5880)  
 Attention "Mr. Executive." *Finish*, Jan., 1946, p. 35. (575)  
 With C. M. Andrews:  
 Super opaque titanium enamels. *Ibid.*, Jan., 1946, p. 17. (2500)

**Angres, Erwin**, M.D., Clinical Instructor in Criminology, Social Hygiene, and Medical Jurisprudence

## ARTICLES:

- Therapeutic techniques used with a special group of disturbed children. *Ill. Med. J.*, March, 1946. (2000)  
**Appleman, Milo Don**, Ph.D., Assistant Professor of Soil Biology  
 See O. H. Sears.

**Arnold, Charles Yesbra**, M.S., Associate in Vegetable Crops

## ARTICLES:

- Weed control in carrots with oil sprays. *Ill. Veg. Grow. Bul.*, 5:3:15-16. (900)  
 Further notes on the use of oil sprays in carrots. *Ibid.*, 6:1:3-4. (900)  
 New soil tests for vegetable crops in Illinois. *Market Grow. J.*, 75:4:17. (2000)

With J. W. Apple:

- The use of tuber specific gravity in determining the effectiveness of leafhopper insecticides. *Amer. Potato J.*, 22:11:339-43. (1200)

**Ashby, Robert C.**, Ph.D., Professor of Livestock Marketing

## ARTICLES:

- Small slaughter plans in Illinois. Univ. Ill. Dept. Agr. Econ. Mimeo. 2340. 8 pp. (5000)  
 Marketing livestock requires "know how." *Nat. Livestock Prod.*, 24:3:13 (1900); 24:4:6. (2700)  
 Packers and stockmen can help each other. *Nat. Provisioner*, 114:16:45-69. (5000)  
 Marketing livestock to advantage. Leaflet published by St. Paul Union Stockyards Co., South St. Paul, Minn. (4600)

**Audrieth, Ludwig Frederick**, Ph.D., Associate Professor of Chemistry

## ARTICLES:

- Modern military high explosives. *J. Chem. Educ.*, 22:522-24. (2500)  
 Postwar education and training in military chemistry. *Ibid.*, 22:583-85. (2500)

**Babbitt, Harold Eaton**, M.S., Professor of Sanitary Engineering

## ARTICLES:

- What are we doing in sewage treatment? *Proc. Assoc. Sanitary Districts, 21st An. Rpt.*, 1945, pp. 18-21. (2000)  
 The water carriage collection of garbage. *Amer. Public Works Assoc. Bul.*, No. 32, 1946. (3500)

**Badger, Carroll John**, B.S., Associate in Soil Experiment Fields  
 See F. C. Bauer.

**Baer, Reinhold**, Ph.D., Professor of Mathematics

## ARTICLES:

- Representations of groups as quotient groups. *Trans. Amer. Math. Soc.*, 58:295-419.  
 The homomorphism theorems for loops. *Amer. J. Math.*, 67:450-60.  
 Sampling from a changing population. *Ann. Math. Statistics*, 16:348-61.  
 Null systems in projective space. *Bul. Amer. Math. Soc.*, 51:903-06.  
 Polarities in finite projective planes. *Ibid.*, 52:77-93.  
 Projectivities with fixed points on every line. *Ibid.*, 52:273-86.

## REVIEWS:

- The theory of rings, by Nathan Jacobson. *Ibid.*, 52:220-22.

**Bailler, John Christian, Jr.**, Ph.D., Professor of Chemistry

## BOOKS:

- With B. S. Hopkins:  
 Essentials of general chemistry. D. C. Heath and Co., Boston, 1946. 520 pp.

## ARTICLES:

- With T. D. O'Brien:  
 Studies in the chromamines. IV. Thermal decomposition of luteo salts. *J.A.C.S.*, 67:1856-57. (800)  
 With J. B. Work:  
 Some coordination compounds of cobalt containing trimethylenediamine and neopentanediamine. *Ibid.*, 68:232-35. (2600)

**Bailey, Harold Wood**, Ph.D., LL.D., Director of the Student Personnel Bureau and Associate Professor of Mathematics

## ARTICLES:

- With W. M. Gilbert and I. A. Berg:  
 Counseling and the use of tests in the Student Personnel Bureau at the University of Illinois. *Educ. and Psychol. Meas.*, 6:1:37-60. (8500)

**Bailey, Percival**, Ph.D., M.D., Professor of Neurology and Neurological Surgery

## ARTICLES:

- Chronic leptomenigeal thickening following treatment of meningitis with sulfa drugs. *Ann. Surg.*, 122:917-22.  
 Peter Bassore: obituary. *Arch. Neurol. Psychiat.*, 55:140-42.

With G. von Bonin:

- The cytoarchitecture of the cerebral cortex in the chimpanzee. *Anat. Rec.*, 91:3-4.

With M. Sanchez:

- Neurinoma del nervio vago derecho en forma de reloj de arena. *Arch. de Neurol. y Psychiat. de Mexico*, 7:125-33.

**Baker, Robert Horace**, Ph.D., D.Sc., Professor of Astronomy and Head of the Department

## BOOKS:

- Astronomy. D. Van Nostrand Co., N.Y., 1946. 461 pp.

**Balduf, Walter Valentine**, Ph.D., Professor of Entomology

## ARTICLES:

- Bionomics of the rose seed chalcid, *Megastigmus nigrovariegatus* Ashm. (Hym., Calimomidae). *Proc. Entom. Soc. Wash.*, 47:7:185-98. (6500)

- BALDUF, W. V.**—Articles (*continued*)  
Bionomic notes on *Meneles insertus* (Say) (Hemiptera, Pentatomidae). *Bul. Brooklyn Entom. Soc.*, 40:3:61-65. (1800)
- Bane, J. Lita, A.M., D.Sc.**, Professor of Home Economics and Head of the Department, and Vice-Director of Home Economics Extension
- BOOKS:**  
*With Mildred R. Chapin:*  
Introduction to home economics. Houghton Mifflin Co., 1945. 260 pp.
- ARTICLES:**  
Today's vision is tomorrow's action. *Ext. Serv. Rev.*, 17:3:34-36. (2400)
- With Wilma Beyer and Nellie L. Perkins:*  
A survey of some fatigued problems of rural homemakers. *Ill. Agr. Exp. Sta. Bul.*, 514. 79 pp. (27,300)
- Bartlett, James H., Ph.D.**, Professor of Theoretical Physics
- ARTICLES:**  
Transient anode phenomena. *Trans. Electrochem. Soc.*, 87:391-416. (15,000)  
Problems of high speed flight. A.A.F. Tech. Rpt., Dayton, Ohio, 1946. 60 pp.
- Bauer, Frederick Charles, Ph.D.**, Professor of Soil Fertility
- ARTICLES:**  
When your land needs phosphorus. *Successful Farming*, Oct., 1945. (1800)  
Soybeans in rotation. *Soybean Dig.*, 5:11. (1300)  
The relation of present to potential productivity. Equitable Life Assurance Soc., 1945. (5350)  
Soil productivity. *Encyc. Britan.*, 1945. (1425)  
Catch-crops. *Ibid.*, 1946. (450)  
Rotation of crops. *Ibid.*, 1946. (1060)
- With C. J. Badger:*  
Summaries of results in soil experiment fields to 1945: Dixon Springs, Elizabethtown, Enfield, Ewing, Raleigh, Sparta. Univ. Ill. Dept. Agron. Mimeo., May, 1945, 4 pp. each.
- With P. E. Johnson:*  
Summaries of results in soil experiment fields to 1945: Brownstown, Lebanon, Newton, Oblong, Toledo, West Salem. *Ibid.*, 4 pp. each.
- With C. H. Farnham:*  
Morrow plots soil experiment field—general summary of results (1876-1944). *Ibid.*, 19 pp.
- With L. B. Miller:*  
Carlinville soil experiment field—general summary of results (1910-1944). *Ibid.*, 4 pp.
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**Wirth, Elmer Hauser, Ph.C., Ph.D.,** Professor of Pharmacognosy and Pharmacology and Director of the Drug Plant Experiment Station

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**Wolff, John Robert, M.D., M.S.,** Clinical Assistant Professor of Obstetrics and Gynecology

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**Woodrow, Herbert, Ph.D.,** Professor of Psychology and Head of the Department

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**Worley, Will Junior, M.S., Instructor in**  
Theoretical and Applied Mechanics

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**Young, Paul Thomas, Ph.D., Professor of**  
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of Sociology

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UNIVERSITY OF ILLINOIS

ANNUAL LIST OF  
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OF THE FACULTY

May 1, 1946, to April 30, 1947



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**BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY OF THE UNIVERSITY OF ILLINOIS**

May 1, 1946, to April 30, 1947

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1947, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1947-1948 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the higher rank, cross-references being used under the names of the others.

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**Adamstone, Frank Bolton, Ph.D.**, Professor of Zoology

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**Alexander, Elliot Ritchie, Ph.D.**, Instructor in Chemistry

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**Alleman, Norville James, M.S.**, Special Research Associate Professor of Engineering Materials

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**Allen, Edward Dudley, B.S., M.D.**, Clinical Associate Professor of Obstetrics and Gynecology (Rush)

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**Allen, Harry Kenneth, Ph.D.**, Professor of Economics and Director of the Bureau of Economic and Business Research

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**Allen, Joseph, A.M., B.S.**, Music Librarian and Assistant Professor of Music

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**Andrews, Albert Henry, Jr., M.S., M.D.**, Clinical Instructor in Broncho-Esophagology, in the Department of Otolaryngology

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**Andrews, Andrew Irving, Ph.D.**, Professor of Ceramic Engineering and Head of the Department

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**Babbitt, Harold Eaton, M.S.**, Professor of Sanitary Engineering

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**Bachem, Albert, Ph.D.**, Professor of Biophysics in the Department of Physiology

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**Baer, Reinhold, Ph.D.**, Professor of Mathematics

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**Bailey, Percival, Ph.D., M.D.**, Professor of Neurology and Neurological Surgery

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**Baker, Robert Horace, Ph.D., D.Sc.**, Professor of Astronomy and Head of the Department

## Books:

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**Bartlett, James Holley, Ph.D.**, Professor of Physics

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**Bateman, Harry Paul**, B.S., Associate in Agricultural Engineering  
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**Bauer, Frederick Charles**, Ph.D., Professor of Soil Fertility

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**Beck, Maximilian**, Ph.D., Visiting Professor of Philosophy

## BOOKS:

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## ARTICLES:

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**Becker, Oscar J.**, B.S., M.D., Clinical Instructor in Otolaryngology

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**Bennett, Dwight Granville**, B.S., Special Research Professor of Ceramic Engineering

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**Bennett, Edmond Harold**, M.S., Instructor in Biology

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**Bennett, Granville Allison**, M.D., A.M., Professor of Pathology and Head of the Department

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**Berdahl, Clarence Arthur**, Ph.D., Professor of Political Science and Chairman of the Department

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**Berg, Irwin August, Ph.D.,** Assistant Professor of Psychology

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**Blair, Glenn Myers, Ph.D.,** Associate Professor of Education

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**Brunner, Hans, M.D.,** Associate Professor of Otolaryngology

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**Bryan, Leslie Aulls, Ph.D., LL.B.,** Director of the Institute of Aeronautics and Professor of Business Organization and Operation

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**Bucy, Paul C.**, M.S., M.D., Professor of Neurology and Neurological Surgery

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**Bull, Sleeter**, M.S., Professor of Meats

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**Burlison, William Leonidas**, Ph.D., D.Agr., Professor of Crop Production and Head of the Department of Agronomy

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**Busch, Rose Klora**, M.S., Assistant in Bacteriology and Public Health

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**Buswell, Arthur Moses**, Ph.D., Research Professor of Chemistry and Chief in the State Water Survey

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**Camp, Walter John Richard**, M.D., Ph.D., Professor of Pharmacology

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**Wakerlin, George Earle**, Ph.D., M.D., Professor of Physiology and Head of the Department

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**Weinard, Frederick Francis, Ph.D.**, Associate Professor of Floricultural Physiology

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**Whitney, Robert McLaughlin, Ph.D.**, Associate Professor of Dairy Manufactures Research

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**Wickwire, George Charles, M.S.**, Instructor in Physiology

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**Wilson, Francis Graham, Ph.D.**, Professor of Political Science

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**Wojniak, Frank, M.D.**, Clinical Assistant Professor of Otolaryngology (Rush)

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**Wolff, John Robert, M.D., M.S.**, Clinical Assistant Professor of Obstetrics and Gynecology

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**Woodruff, George H., B.S., M.D.,** Clinical Assistant Professor of Otolaryngology

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**Woodson, Harold William, M.S.,** Assistant and Research Assistant in Biological Chemistry

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**Woodworth, Clyde Melvin, Ph.D.,** Professor of Plant Genetics

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**Youmans, John Barlow, M.S., M.D.,** Professor of Medicine, Dean of the College of Medicine, and Medical Director of the Research and Educational Hospitals

## ARTICLES:

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**Young, Paul Thomas, Ph.D.,** Professor of Psychology

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**BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY  
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NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1948, was compiled from lists supplied by the individual members. The academic titles indicate positions for 1948-1949 except those of persons no longer on the staff. An article by two or more persons of unequal rank is usually listed under the name of the one having the higher rank, cross-references being used under the names of the others.

- Adams, Gail Dayton, Jr., Ph.D.,** Research Assistant Professor of Physics  
*See D. W. Kerst.*
- Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry
- Books:**  
*With R. L. Shriner and others:*  
Organic syntheses, vol. 27. John Wiley & Sons, Inc., N.Y., 1947. 121 pp.
- ARTICLES:**  
*With V. V. Jones:*  
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*With V. V. Jones and J. L. Johnson:*  
The structure of leucenol. IV. *Ibid.*, 69: 1810.  
*With B. J. Aycock, Jr., and S. Loewe:*  
Tetrahydrocannabinol homologs. XVII. *Ibid.*, 70:662-64.  
*With S. MacKenzie, Jr., and S. Loewe:*  
Tetrahydrocannabinol homologs with doubly branched alkyl groups in the 3-position. XVIII. *Ibid.*, 70:664.
- Adamstone, Frank Bolton, Ph.D.,** Professor of Zoology and Acting Head of the Department of Zoology and Physiology
- Books:**  
A laboratory manual of vertebrate embryology. John Wiley & Sons, Inc., N.Y., 1947. 90 pp.
- ARTICLES:**  
*With A. B. Taylor:*  
A method for the rapid preparation of frozen tissue sections. *Anat. Rec.*, 99:4:83.
- Adelson, Marvin, B.S.,** Research Assistant in Psychology
- Books:**  
*With others:*  
Aggression and withdrawal in children. Univ. Ill. Steno. Bur. Mimeo., Feb., 1948. 93 pp.
- Ahrens, Alvin William, Ph.D.,** Assistant Professor of Social Sciences; Director of Music
- Books:**  
A vocal approach to the fundamentals of rhythm. Univ. Ill. Student Supply Store, Galesburg, March, 1948. 12 pp.
- ARTICLES:**  
Characteristic limitations of the internal tuning of selected wind instruments as played by amateurs. *J. Exp. Educ.*, June, 1947, pp. 268-90.
- Alberts, Joseph Ortan, D.V.M., M.S.,** Associate Professor of Veterinary Bacteriology
- ARTICLES:**  
*With H. S. Bryan:*  
Studies on bovine mastitis. IV. The incidence of streptococci in milk samples of 12,077 dairy cows. *J.A.V.M.A.*, 111:130-33.  
*With H. S. Bryan and P. D. Beamer:*  
Studies on bovine mastitis. V. The influence of prevention and control methods on the incidence of mastitis streptococci in dairy cattle. *Ibid.*, 111:134-37.  
*See also R. Graham and L. E. Card.*
- Alexander, Elliot Ritchie, Ph.D.,** Assistant Professor of Chemistry
- ARTICLES:**  
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*With Ruth B. Willman:*  
Studies on the mechanism of the Leuckart reaction. *Ibid.*, 70:1187.  
Mechanism of the sulfonation of aromatic amines. III. Rearrangement of barium phenylsulfamate. *Ibid.*, 70:1274.  
*With Alice Dekker:*  
A low pressure reductive alkylation method for the conversion of ketones to primary amines. *Ibid.*, April, 1948.  
*With R. Burge:*  
Studies on the mechanism of the deamination of diazonium salts with hypophosphorous acid. *Ibid.*, 70:876.
- Alexander, Lloyd George, Ph.D., Ch.E.,** Research Assistant Professor of Chemical Engineering
- ARTICLES:**  
*With H. B. Hass, H. Shechter, and D. B. Haicher:*  
Effect of pressure on nitration of methane. *Ind. Eng. Chem.*, 39:919.
- Allen, Alfred William, M.S.,** Assistant Professor of Ceramic Engineering
- ARTICLES:**  
*With A. L. Friedberg:*  
Application of replica techniques to the study of ceramic surfaces with the optical microscope. *J. Amer. Cer. Soc.*, 31:3:83-88.
- Allen, Edward Dudley, B.S., M.D.,** Clinical Associate Professor of Obstetrics and Gynecology
- ARTICLES:**  
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**Allen, Harry Kenneth**, Ph.D., Professor of Economics

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**Wach, Edward Charles, Ph.G., D.D.S., M.S.**, Associate Professor of Applied Materia Medica and Therapeutics

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**Winterringer, Glen**, A.M., Research Assistant in Botany

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**Worley, Will J., M.S.**, Instructor in Theoretical and Applied Mechanics

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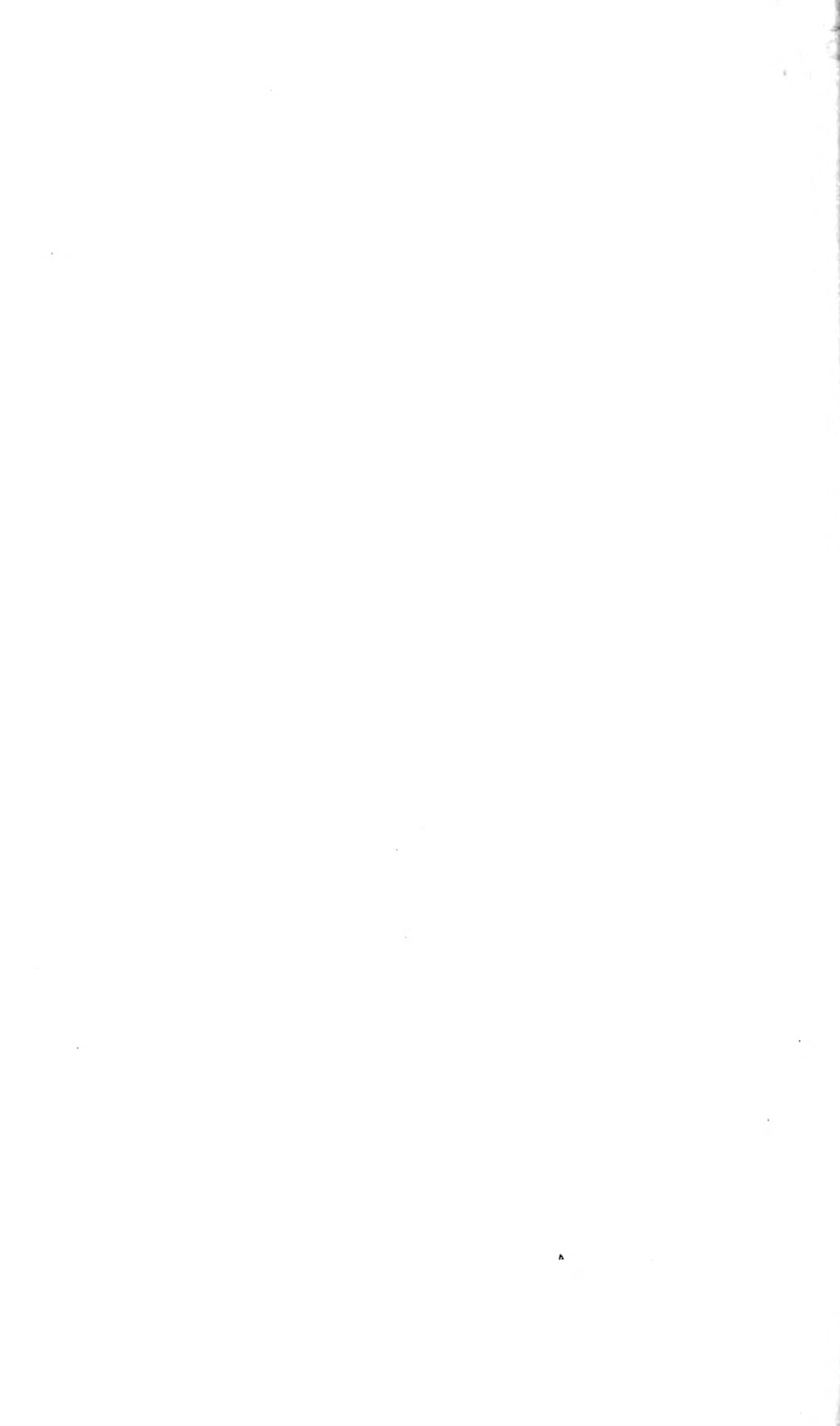
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**BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY  
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(May 1, 1948, to April 30, 1949)

NOTE: The following list of publications, consisting of books, articles, and reviews, written by members of the staff of the University, and published during the year ended April 30, 1949, was compiled from reports submitted by the individual members. An article by two or more persons of unequal academic rank is usually listed only under the name of the one having the higher rank, cross-references being used under the names of the other co-authors.

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**Adams, Roger, Ph.D., D.Sc.,** Professor of Organic Chemistry and Head of the Department of Chemistry

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**Alexander, Denton Eugene, B.S.,** Special Research Assistant in Plant Genetics.

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**Alexander, Elliot Ritchie, Ph.D.,** Assistant Professor of Chemistry

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