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ANNUAL LIST OF
PUBLICATIONS
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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 β -chloro- β -(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 ω,ω' -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 β -chloro- β -(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*:
Psychogenic 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.
Economic 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 ammoli-
sation 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 Sweet:

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.

Bally, 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:
> Wartime education in England. *Nat. Educ. Assoc. J.*, 31:2:41-42. (3000)
Thirteen articles in the *Dictionary of Philosophy*, 1942, pp. 42, 68, 109, 162, 164, 193, 267, 274, 289, 324, 328, 337.

REVIEWS:
Mathematico-deductive theory of rote learning, by C. L. Hull and others. *Math. Gaz.*, 25:265:195-96. (1000)
Between physics and philosophy, by P. Frank. *Phil. Abst.*, 1941:5/6:7-8.

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

ARTICLES:
The vocabulary of educational psychology. *J. Educ. Psychol.*, 32:5:365-71. (2500)

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

ARTICLES:
Streamlining the Soviet waterways. *Sci. Mo.*, 54:4:320-27. (2400)
South American cargoes. *Bus. Ed. World*, 22:4:330.
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- Wessels, Marie, A.B., B.S., M.D.**, Instructor in Medicine
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- Weston, Janet Louise, Ph.D.**, Associate in Economics
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- Whiteside, Eugene Perry, B.S.**, Associate in Soil Survey
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- Wien, Max Samuel, B.S., M.D.**, Associate Professor of Dermatology
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- Wiley, Carroll Carson, B.S., C.E.**, Professor of Civil Engineering
 ARTICLES:
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- Wilkinson, Clyde Winfield, A.M.**, Instructor in English
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Will, Samuel Frederic, Ph.D., Professor of French

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

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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

ARTICLES:

The problem of general quantitative laws in psychology. *Psychol. Bul.*, 39:1:1-27. (12,000)

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

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

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Wynd, Frederick Lyly, Ph.D., Assistant Professor of Botany

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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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May 1, 1942, to April 30, 1943

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:

Age determination and rate of growth in *Polyodon spathula* by means of the growth rings of the otoliths and dentary bones. *Midland Naturalist*, 28:3:617-30. (5000)

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

BOOKS:

With L. I. Smith and others:

Organic syntheses, vol. 22. John Wiley and Sons, N.Y., 1942. 114 pp.

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With A. A. Albert:

Restricted rotation in aryl amines. III. Preparation and resolution of *N*-succinyl-1-methylamino-2-methylnaphthalene and *N*-succinyl-1-methylamino-4-chloro-2-methylnaphthalene. *Ibid.*, 64:1475-78. (1500)

With W. J. Gross:

Restricted rotation in aryl olefins. IV. Preparation and resolution of β -chloro- β -(2-methoxy-4, 6-dimethyl-5-chlorophenyl)- α -methylacrylic and the corresponding acrylic acid. *Ibid.*, 64:1786-90. (2000)

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Restricted rotation in aryl olefins. V. β -bromo- β -(2-alkoxynaphthyl)- α -alkylacrylic acids. *Ibid.*, 64:1791-94. (1750)

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Restricted rotation in aryl olefins. VI. Substituted β -(2,7-dimethoxy-1-naphthyl)- α -methylacrylic acids. *Ibid.*, 64:1795-1801. (2600)

With C. M. Smith and S. Loewe:

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With J. E. Mahan:

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

With M. Carmack and J. E. Mahan:

Structure of monocrotaline. VII. Structure of retronecine and related bases. *Ibid.*, 64:2593-97. (1500)

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Tetrahydrocannabinol analogs with marihuana activity. *Ibid.*, 64:2653-55. (1000)

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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:

The addition of dienes to coumarin and to certain substituted cinnamic acids. I. *Ibid.*, 65:356-60. (2500)

With R. B. Carlin:

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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ARTICLES:

Educative influence of personality factors in the environment. *Human Devel. Ser.*, 1: 54:29-47. (6000)

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

ARTICLES:

College language students appraise their English training. III. *Engl. Bul.*, 30:1:10-14. (1500)

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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Industrial management. Ronald Press, N.Y., 1942. 613 pp.

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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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Variables to consider in the control of stone fruit diseases. *Ibid.*, 76:431-39. (4300)
Peach spraying for brown rot. *Ill. Hort. Soc. News Letter*, No. 4, June, 1942. (450)
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Andrews, Andrew Irving, Ph.D., Professor of Ceramic Engineering and Head of the Department

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- Fundamental study of factors influencing color of porcelain enamels. *J. Amer. Cer. Soc.*, 26:3:73-76. (1600)

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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

ARTICLES:

- Channels used by Illinois farmers in selling livestock. *Ill. Farm Econ.*, 85:303-04. (525)

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

ARTICLES:

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 The aquo ammonio phosphoric acids II. The preparation of n-substituted derivatives of the phenyl esters of amido and diamido phosphoric acids. *J.A.C.S.*, 64:1337-39. (2000)
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- The preparation and physical properties of trimeric phosphonitrilic chloride. *Ibid.*, 64:2377-78. (2000)

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

ARTICLES:

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

ARTICLES:

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With R. L. Shute:

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- Effect of polishing on chemical durability of glass surfaces. *Cer. Ind.*, 40:2:34. (300)

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With H. Thurnauer and A. R. Rodriguez:

- 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

See F. C. Bauer.

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

ARTICLES:

- A unified theory of projective spaces and finite Abelian groups. *Trans. Amer. Math. Soc.*, 52:283-343. (40,000)
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Bailer, John Christian, Jr., Ph.D., Professor of Chemistry

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With C. L. Rollinson:

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

ARTICLES:

- Reflections aroused by an unusual tumor of the cerebellum. *J. Mt. Sinai Hosp. N.Y.*, 9:299-311.

- Differential diagnosis of pontine tumors. *J. Pediat.*, 20:386-90.

- Sarcoma of the temporal lobe associated with abscess and invading the subcutaneous extracranial tissues. *J. Neuropath. Exp. Neurol.*, 1:442-44.

With E. W. Davis:

- Effects of lesions of the periaqueductal gray matter in the cat. *Proc. Soc. Exp. Biol. Med.*, 51:305-07.

- The syndrome of obstinate progression in the cat. *Ibid.*, 51:307-09.

- A modification of the Horsley-Clarke stereotaxic apparatus. *J. Neuropath. Exp. Neurol.*, 2:99-101.

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- The functional organization of the temporal lobe of the monkey (*Macaca mulatta*) and chimpanzee (*Pan satyrus*). *J. Neurophysiol.*, 6:121-28.

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

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With Lois Kiefer:

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

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- Bionomics of *Catorhintha mendica* Stal (Coreidae, Hemiptera). *Bul. Brooklyn Entom. Soc.*, 37:5:158-66. (3500)

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The Shakespeare documents, by B. R. Lewis. *Mod. Lang. Notes*, 57:364-73. (4500)

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

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

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 Abolish sales tax for newspapers; To get tax refund. *Ibid.*, 3:9:1. (500)
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 Gas rationing presents new press problem. *Ibid.*, 3:11:1. (350)
 Plan to train printers is proposed. *Ibid.*, 4:2:1. (400)

Barnes, Melvin Wallace, Ph.D., Examining Technician in the Division of General Studies

ARTICLES:

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 Gains on the ACE psychological examination during the freshman-sophomore years. *Ibid.*, 47:1470:250-52. (1500)
 The relation of the study of biology to biological misconceptions. *Amer. Biol. Teacher*, 5:5:114-16. (1000)

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

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

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How milk distribution costs can be lowered. *Ill. Agr. Assoc. Rec.*, Feb., 1943; *Popkess' Dairyman's J.*, Apr., 1943; *Milk Dealer*, Apr., 1943. (1500)
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Facts pertaining to wartime emergency problems of milk diversion. Univ. Ill. Dept. Agr. Econ. Mimeo., 1856, May, 1942, 12 pp.
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Wage problems in the market milk industry. *Hoards Dairyman*, June 25, 1942, p. 335.

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Suggested wartime emergency plans for conserving tires, trucks, and manpower used in hauling milk from farm to market. Univ. Ill. Dept. Agr. Econ. Mimeo., 2073, Apr., 1943. 34 pp.

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

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Maintenance of a trematode, *Aspidogaster conchicola*, outside the body of its natural host. *J. Parasit.*, 29:2:127-30.

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Van Derpool, James Grote, B.Arch., M.F.A., Professor of the History of Art and Head of the Department of Art

ARTICLES:

Taubes. *Kappa Pi Sketchbook*, 1943. pp. 16-17. (1000)

Estimate of Jerry Farnsworth. Univ. Ill. Press, Urbana, 1942. (600)

Introduction for Helen Sawyer catalog. *Idem*. (100)

Van Horne, John, Ph.D., Professor of Spanish and Italian and Head of the Department

BOOKS:

With A. Hamilton:

Elementary Spanish grammar (rev.). D. Appleton-Century Co., N.Y., 1942. xvi + 314 pp.

With V. Cioffari:

I Miei Ricordi di Massimo d'Azeglio. A graded Italian reader. Bk. IV. D. C. Heath and Co., Boston, 1943. iv + 60 pp.

ARTICLES:

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REVIEWS:

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Ver Bruggen, Adrien, B.M., Ch.M., M.S., Associate Professor of Neurological Surgery (Rush)

ARTICLES:

Traumatic shock. *Pa. Med. J.*, 46:319-26. (6000)

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 Hibernated nucleus pulposus. *Dis. Nerv. Syst.*
 (Univ. Texas), 4:6. (9000)

Vestal, Arthur Gibson, Ph.D., Professor of
 Botany

ARTICLES:

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Vestling, Carl Swensson, Ph.D., Associate in
 Chemistry

ARTICLES:

The reduction of methemoglobin by ascorbic acid. *J. Biol. Chem.*, 143:439-46. (2500)

With D. T. Warner:

The isoelectric points of threonine and some related compounds. *Ibid.*, 144:687-90. (1200)

Wach, Edward Charles, Ph.G., D.D.S., M.S.,
 Assistant Professor of Dental Pathology
 and Therapeutics

ARTICLES:

With J. F. O'Donnell and M. K. Hine:

Effects of a mouth rinse on oral acidogenic bacteria. *J. Amer. Dent. Assoc.*, 29:61-66.

Wakerlin, George Earle, Ph.D., M.D., Profes-
 sor of Physiology and Head of the De-
 partment

ARTICLES:

With E. L. Smith and W. G. Moss:

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 and J. R. Weir:

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 berg:

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With D. B. Frankel:

Excretion of the urinary antidiuretic principle in renal hypertensive dogs. *Amer. J. Physiol.*, 138:465-67. (800)

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With C. A. Johnson, E. L. Smith, and B.
 Gomberg:

Antirenin. *Ibid.*, 2:1:24. (250)

With C. Marienfeld:

The effect of sodium cyanide on the formation of the pressor substance of the completely ischemic kidney. *Ibid.*, 2:1:32-33. (250)

Walker, Harold LeRoy, M.S., Met.E., Profes-
 sor of Metallurgical Engineering and
 Head of the Department of Mining and
 Metallurgical Engineering

ARTICLES:

Metallography of pure iron. Univ. Ill. Dept.
 Min. Met. Eng., 1942. 17 pp.

History of the Department of Mining and
 Metallurgical Engineering at the Univer-
 sity of Illinois. *Proc. Ill. Min. Instit.*,
 1942, pp. 32-42. (5500)

Report on mining scholarships at the Uni-
 versity of Illinois. *Ibid.*, p. 104. (1100)

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 treating definitions. *Cer. Ind.*, 39:6:31-34.
 (3200)

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 80-82. (2400)

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 eling*, 13:11:8-11. (2700)

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

ARTICLES:

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 13:304. (500)

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With Boris Leaf:

Separation of gas mixtures by thermal dif-
 fusion. *J. Phys. Chem.*, 46:820-26. (3000)

Walls, Edna Elliott, A.M., Assistant Profes-
 sor of Child Development and Parent
 Education Extension

ARTICLES:

With A. Varland, M. Lind, and Mr. and Mrs.
 L. B. Miller:

Toys that can be made at home. *Ill. Agr. Ext. Serv. Circ.*, 546. 52 pp. (8500)

Walters, Charles S., M.S., Project Forester

ARTICLES:

Treating fence posts with pentachlorophenol-
 fuel oil solutions. *J. Forestry*, 41:4:265-
 68. (1800)

Wanless, Harold Rollin, Ph.D., Associate Pro-
 fessor of Geology

ARTICLES:

With J. M. Weller, L. M. Cline, and D. G.
 Stookey:

Interbasin Pennsylvanian correlations, Illi-
 nois and Iowa. *Bul. Amer. Assoc. Petrol. Geol.*, 26:10:1585-93. (4500)

Ward, Gladys Josephine, A.M., Assistant Pro-
 fessor of Home Management Extension

ARTICLES:

Conference on safety. *J. Home Econ.*, 34:374.
 (300)

Safety in the home. *Ibid.*, 35:37-38. (750)

Check your kitchen for efficiency and re-
 arrange it for convenience. *Ill. Ext. Serv. Agr. Home Econ. Mimeo.* 13 pp. (350)

- WARD, GLADYS J.**—Articles (*continued*)
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- With Dorothy J. Iwig:*
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- Ward, Henry Baldwin**, Ph.D., D.Sc., LL.D., Professor of Zoology, Emeritus
- ARTICLES:
Report of the Spencer-Tolles fund. *Trans. Amer. Micros. Soc.*, 62:2:214-15. (800)
- Wasserman, Earl Reeves**, Ph.D., Assistant Professor of English
- ARTICLES:
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- Wawzonek, Stanley**, Ph.D., Instructor in Chemistry
See H. A. Laitinen.
- Weaver, Brayton Ladd**, M.S., Assistant Professor of Vegetable Crops
- ARTICLES:
Winter vegetable storage. *Ill. Agr. Exp. Sta. Circ.*, 530. 8 pp. (3500)
- See also W. A. Huelsen.*
- Webb, Richard Lockwood**, Ph.D., Associate Professor of Anatomy
- ARTICLES:
With P. H. Simer:
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- Weinard, Frederick Francis**, Ph.D., Associate Professor of Floricultural Physiology
- ARTICLES:
Carnations do well with less nitrogen. *Flor. Rev.*, 92:2371:11. (500)
- Rotation of crops helps yield on old soils. *So. Flor.*, 53:16:31. (500)
- An experiment with mums in sterilized soil. *Ibid.*, 54:14:14. (500)
- An experiment with rose soil mixtures. *Ibid.*, 55:5:26. (600)
- With H. D. Jensen:*
Growth promoting powders in rooting gardenias. *Ibid.*, 53:6:11. (300)
- Show effect of powders in rooting carnations. *Ibid.*, 53:10:6. (400)
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Carnations in pots, flats and bands compared. *Flor. Exch.*, 99:23:12. (650)
- Sterilization of soil for roses reviewed. *So. Flor.*, 54:22:8. (600)
- Three methods compared in growing roses. *Ibid.*, 54:26:16. (500)
- See also S. W. Hall.*
- Weir, James Robert**, B.S., Assistant in Physiology
See G. E. Wakerlin.
- Welsiger, George Bates**, B.S., LL.B., J.D., Professor of Law
- ARTICLES:
Feme covert. *Eleusis of Chi Omega*, 45:2:257-60. (1000)
- Weiss, John Nelson**, M.S., Instructor in Agricultural Education and Assistant State Supervisor of Agricultural Education
- ARTICLES:
The effects of the war on agricultural student teaching and internship program. *Nat. Assoc. Superv. Student Teaching Bul.*, 3, p. 20. (500)
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- Welker, William Henry**, Ph.D., Professor of Physiological Chemistry and Head of the Department
- ARTICLES:
With L. S. Mann:
Further studies of specific precipitin antisera for the protein of cancer tissue. I. *Cancer Res.*, 3:193-95. (1250)
- Further studies of specific precipitin antisera for the protein of cancer tissue. II. The application of in vivo absorption. *Ibid.*, 3:196-97. (1000)
- Whalln, Oren Leslie**, Ph.D., Assistant Professor of Agricultural Extension
- ARTICLES:
War production and soil conservation in Illinois. *Trans. Ill. Acad. Sci.*, 35:2:44-45. (1200)
- Wheeler, Katherine McGraw**, A.B., B.L.S., Catalog Reviser in the Library
- ARTICLES:
48 catalog cards for publications of the University of Illinois. Printed by the Library of Congress. (3300)
- Wickwire, George Charles**, M.S., Instructor in Physiology
- ARTICLES:
Antagonistic action of sensory stimulation to anesthetization. *Proc. Fed. Amer. Soc. Exp. Biol.*, 2:1:54. (250)
- Wilcox, Roy Harold**, M.S., Associate Professor of Farm Management
- ARTICLES:
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- Expense of farm machines forms basis for loan charge when machines are borrowed by neighbors. *Ibid.*, 92:413-15. (600)
- See also H. C. M. Case.*
- Wildhagen, Arthur Rudolph**, A.M., General Assistant in the Public Information Office
- ARTICLES:
The betatron. *Sci. Amer.*, 168:5:207-09. (2500)
- Will, Frederick Ludwig**, Ph.D., Assistant Professor of Philosophy
- ARTICLES:
Is there a problem of induction? *J. Philos.*, 39:19:505-13.
- REVIEWS:
An inquiry into meaning and truth, by Bertrand Russell. *Philos. Rev.*, 51:3:327-31.

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

ARTICLES:

With *W. L. Wiley:*

Recent literature of the French Renaissance: a bibliography. *Stud. Philol.*, 40:2:310-17. (2000)

Williams, Charles Allyn, Ph.D., Professor of German

BOOKS EDITED:

With *Henning Larsen:*

Scandinavian studies presented to George T. Flom. Univ. Ill. Press, Urbana, 1942. 150 pp.

ARTICLES:

Biographical sketch of George Tobias Flom. *Ibid.*, pp. 9-15. (3600)

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

ARTICLES:

The library catalog and the scholar. *Coll. Res. Lib.*, 3:201-06. (2500)

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Tocqueville's conception of the elite. *Rev. Pol.*, 4:271-86. (6000)

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The Federalist on public opinion. *Public Opinion Q.*, 6:563-75. (5000)

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REVIEWS:

International labor conventions: their interpretation and revision, by C. H. Dillon. *Amer. J. Internat. Law*, July, 1942.

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

ARTICLES:

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Tests of riveted and welded joints in low-alloy structural steels. *Ill. Eng. Exp. Sta. Bul.*, 337, pp. 1-76. (13,800)

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

REVIEWS:

Some current problems in income tax procedure including technical changes in the Revenue Act of 1943, by T. Thurston. *Ill. Soc. C.P.A. Bul.*, 5:3:5-7. (1600)

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

ARTICLES:

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Men make wider market. *Ibid.*, 90:2324:26. (200)

Articles (continued)

Soil testing saves money. *Amer. Flor.*, 4:10:74-75. (1500)

See also *S. W. Hall and F. F. Weinard.*

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

ARTICLES:

Needs and opportunities for trained pharmacognosists. *Amer. J. Pharm. Educ.*, 7:60-63. (1500)

College of Pharmacy acquires new laboratories. *Drug Prog.*, 7:6-7. (1200)

Report on domestic species and varieties of arnica. *Nat. Formulary Bul.*, 10:101-05. (2100)

Report of the Chairman, National Formulary Subcommittee on Pharmacognosy. *Ibid.*, 10:239-43. (2000)

Capsicum. *Ibid.*, 10:268. (100)

Plantaginis semen. *Ibid.*, 10:272. (110)

Pulvis ipecacuanha et opii. *Ibid.*, 10:275. (150)

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Liquor anisepticus. *Ibid.*, 11:44. (120)

Chairman's reports and correspondence. *Bul. Subcom. Pharmacog. Rev. Com. Nat. Form.*, 8:221-97.

Stramonium, belladonna, and hyoscamus. *Bul. Subcom. Bot. Pharmacog. U. S. Pharmacopoeia*, 13:163. (2700)

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

ARTICLES:

With *O. Bolin:*

Systematic single cross yield trials. Univ. Ill. Dept. Agron. Mimeo., 1124. 11 pp. (1300)

With *G. H. Dungan and O. Bolin:*

1942 experimental hybrid corn trials in Illinois. *Ibid.*, 1128. 7 pp. (200)

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

ARTICLES:

A comparison of the efficiency of single applications with repeated top dressings of nitrogenous fertilizers in increasing the yield of dry matter, nitrogen and vitamin C (ascorbic acid) of Sudan grass. *Plant Physiol.*, 17:645-51. (2500)

Respiration of mosaic infected tobacco plants. *Ibid.*, 18:90-98. (3500)

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. Otolary. (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
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BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY
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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 β -substituted- β -arylacrylic acids. *Ibid.*, 65:2208-11. (1500)
Restricted rotations in aryl olefins. VIII. The synthesis and resolution of certain β -substituted- β -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*, 38:7:7-9. (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.*, 1169. 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

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Taylor, Samuel Gale, III, A.B., M.D., Associate in Medicine (Rush)

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

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

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

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

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

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

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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

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

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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:

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

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

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

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

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

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

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

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

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

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

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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

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

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A psychosomatic study of hypoglycaemic fatigue. *Psychosom. Med.*, 6:3:191-205.

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Planning for future operations in the market milk industry. *Amer. Milk Rev.*, 6:9:278-83; *Cherry-Burrroll Circle*, May-June, 1944, pp. 7-9; *Dairy World*, 23:1:24-28; *Can. Dairy Ice Cream J.*, 23:6:50-52; *Milk Plant Mo.*, 33:7:36-39. (2500)

ARTICLES (continued)

- Meeting problems in ice cream manufacture under wartime restrictions. *Ice Cream Rev.*, 27:11:22-23; *South. Dairy Products J.*, 36:1:26-32. (3000)
Powdered whole milk and milk products—their possible effect upon the future of the dairy industry. *J. Milk Tech.*, 7:4:206-10; *Le Quebec Laitier*, 4:2:8-10. (2500)
What is the future of the dairy industry? *Nat. Butter and Cheese J.*, 35:11:34-40. (2000)
Present development of the dried milk and milk products industries in the United States. *Vermont Dairy Plant Operators and Managers Conference Manual*, Nov., 1944, pp. 16-23. (2500)
Probable phases of development in the post-war dairy industry. *Ibid.*, pp. 65-73. (2500)
Powdered whole milk and mix. *Ice Cream Trade J.*, 41:4:22-23. (2500)

With J. H. Hetrick:

- The determination of copper in milk powder by a direct carbamate method. *J. Milk Technol.*, 8:1:5-12. (2500)

With J. J. Sheuring and W. A. Hoskisson:

- Effect of various temperatures of storage upon chemical and physical properties of powdered egg yolk as related to its use in ice cream. *Food Res.*, 9:2:126-31. (1500)

With H. Pyenson:

- Study of the peroxide value of stored spray-dried whole milk powder. *J. Dairy Sci.*, 27:8:675. (500)

Trigger, Kenneth James, M.S., M.E., Professor of Mechanical Engineering

ARTICLES:

- Double temper Mo-W high speed at slow heating rate. *Met. Prog.* (ref. issue), 46: 4:743-45. (1000)
Drilling pyrometer holes through furnace linings. *Ibid.*, 47:1:95-96. (300)
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Trjitzinsky, Waldemar Joseph, Ph.D., Professor of Mathematics

ARTICLES:

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Integral equations in problems of representation of functions of a complex variable. *Duke Math. J.*, 12:419-40. (13,000)

Trotter, Arnold Herman, A.M., Assistant University Librarian for Cataloging and Associate Professor of Library Science

ARTICLES:

- Cataloging and classification. Chap. in *The Administration of the College Library*, by G. R. Lyle and others. H. W. Wilson, N. Y., 1944. (13,000)

Tykociner, Joseph Tykocinski, E.E., Research Professor of Electrical Engineering

ARTICLES:

- With L. R. Bloom:*
Magnetron oscillator for instruction and research in microwave techniques. *Proc. Instit. Radio Engrs.*, N. Y., 1944, pp. 299-308.

Tylman, Stanley Daniel, D.D.S., M.S., Professor of Prosthetic Dentistry

BOOKS EDITED:

Year book of dentistry, Year Book Pub. Co., Chicago, 1944, 750 pp.

ARTICLES:

Resilient resins: technique for their use in complete and partial dentures. *Dent. Dig.*, 50:204. (3500)

Resilient and elastic resins: technique for their use in maxillofacial prostheses. *Ibid.*, June, 1944. (3800)

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Van Cleave, Harley Jones, Ph.D., Professor of Zoology

ARTICLES:

Returning service men, a problem in national health. *Amer. Sci.*, 32:4:243-53.

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Foreword to Part II of F. C. Baker's *Molluscan Family Planorbidae*. *Ibid.*, pp. 215-17.

A new species of the Acanthocephalan genus *Illiosentis* (Rhadinorhynchidae). *J. Parasit.*, 31:1:57-60.

With E. L. Ross:

Physiological responses of *Neoechinorhynchus emydis* (Acanthocephala) to various solutions. *Ibid.*, 30:6:369-72; abst. in *Ibid.* (sup.), 30:7.

REVIEWS:

Education in conservation education, Izaak Walton League of America, 27th An. Meeting. *Amer. Mid. Nat.*, 33:1:254-55.

Van Derpool, James Grote, B.Arch., M.F.A., Professor of the History of Art and Head of the Department of Art

ARTICLES:

Additions to the Trees collection of old masters. *Univ. Ill. Alum. News*, Mar., 1945. (600)

Van Duyn, Frances Olivia, Ph.D., Assistant Professor of Foods

See J. I. Simpson.

Verbrugghen, Adrien, B.M., Ch.M., M.S., Clinical Associate Professor of Neurological Surgery

ARTICLES:

Head injuries. *J. Iowa Med. Soc.*, 34:225-35.
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With D. Custis:

Chordotomy for intractable pain. *Med. Clin. N. Amer.* (Chicago no.), Jan., 1945.

Vestal, Arthur Gibson, Ph.D., Professor of Botany

ARTICLES:

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The literature of Illinois natural history and geography. *Trans. Ill. Acad. Sci.*, 37:63-65. (1200)

With Mary Frances Heermans:

Size requirements for reference areas in mixed forest. *Ecology*, 26:122-34. (8500)

Vestling, Carl Swensson, Ph.D., Assistant Professor of Chemistry

ARTICLES:

With M. A. Swerdlow:

Use of synthetic detergents in the Van Slyke determination of oxygen capacity. *Ind. Eng. Chem.* (anal. ed.), 16:581-82. (500)

With Mildred C. Rebstock:

The antiscorbic properties of 3-methyl ascorbic acid. *Fed. Proc. Amer. Soc. Exp. Biol.*, Mar., 1945. (250)

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:

Partial inversion of the duodenum. *Anat. Rec.*, 89:1. (1000)

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. Kamn and W. Donaldson:

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

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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:

To the strong the victory. *Amer. Voc. Assoc. J.*, 19:2:3-4. (1500)

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

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With Florence Bodenbach:

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

With others:

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

ARTICLES:

Profit by wise woodland management. *J. Amer. Soc. Farm Mgrs. and Rural Appraisers*, 8:2:96. (600)

Grow farm lumber to cut building and repair costs. *Ibid.* (150)

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

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With Ruth C. Freeman:

Farm family outlook. *Ill. Farm Home Outlook*, 1945. (175)

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. Prac.*, 5:1:43; *Yrbk. Dent.*, 1944, p. 224.

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

ARTICLES:

Acoustics of buildings. Chap. 20 in *Mechanical and Electrical Equipment for Buildings*, by Gay and Fawcett. John Wiley & Sons, N. Y., 1945.

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. Kaski and E. R. Kirch:

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 Cecelia, A.M., Assistant Professor of Home Economics

ARTICLES:

Making a good-looking dress—some things to watch. *Ill. Ext. Serv. Agr. Home Econ. Mimeo.* HE-P53. 15 pp. (3000)

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

ARTICLES:

With R. C. Ingraham:

The value of supplemental alkalinizing therapy in hemorrhagic shock. *Fed. Proc. Amer. Soc. Exp. Biol.*, 4:36.

With R. C. Ingraham and J. C. Dille:

Hemorrhagic-hypotension shock in locally anesthetized dogs. *Amer. J. Physiol.*, 143: 126-33. (3500)

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)

Crop costs in Illinois, 1943. *Ibid.*, 112:145-47. (1000)

The cost of producing castor beans in Illinois in 1943. *Ibid.*, 113:155-58. (1550)

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:

Recent literature of the French renaissance, a bibliography. *Studies Philol.*, 42:2:320-24. (1500)

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

ARTICLES:

Snap sweet corn easier and faster (also in German and Spanish). *Univ. Ill. Ext. Serv. Agr. Home Econ. Mimeo.*

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)

Studies of food preference, appetite and
dietary habit: (II) Group self-selection

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 appeti-
tite 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. Fair-
child. *Amer. Sociol. Rev.*, 9:582-83. (600)

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UNIVERSITY OF ILLINOIS

ANNUAL LIST OF
PUBLICATIONS
OF THE FACULTY

May 1, 1945, to April 30, 1946



PUBLISHED BY THE UNIVERSITY OF ILLINOIS
UNDER THE AUSPICES OF THE GRADUATE SCHOOL
URBANA, ILLINOIS

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

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Fellows, Julian Robert, M.S., Professor of Mechanical Engineering

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Gottlieb, David, Ph.D., Assistant Chief in Plant Pathology

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UNIVERSITY OF ILLINOIS

ANNUAL LIST OF
PUBLICATIONS
OF THE FACULTY

May 1, 1946, to April 30, 1947



PUBLISHED BY THE UNIVERSITY OF ILLINOIS
UNDER THE AUSPICES OF THE GRADUATE COLLEGE
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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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Weinard, Frederick Francis, Ph.D., Associate Professor of Floricultural Physiology

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See *W. H. Rodebush.*

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

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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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BOOKS, ARTICLES, AND REVIEWS PUBLISHED BY THE FACULTY
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May 1, 1947, to April 30, 1948

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, Gall 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:
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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:
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- ARTICLES:
With A. B. Taylor:
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- Adelson, Marvin, B.S.,** Research Assistant in Psychology
- BOOKS:
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- Ahrens, Alvin William, Ph.D.,** Assistant Professor of Social Sciences; Director of Music
- BOOKS:
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- ARTICLES:
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- Alberts, Joseph Ortan, D.V.M., M.S.,** Associate Professor of Veterinary Bacteriology
- ARTICLES:
With H. S. Bryan:
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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.
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- Alexander, Elliot Ritchie, Ph.D.,** Assistant Professor of Chemistry
- ARTICLES:
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Studies on the mechanism of the Leuckart reaction. *Ibid.*, 70:1187.
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With Alice Dekker:
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With R. Burge:
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- Alexander, Lloyd George, Ph.D., Ch.E.,** Research Assistant Professor of Chemical Engineering
- ARTICLES:
With H. B. Hass, H. Shechter, and D. B. Hatcher:
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- Allen, Alfred William, M.S.,** Assistant Professor of Ceramic Engineering
- ARTICLES:
With A. L. Friedberg:
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- Allen, Edward Dudley, B.S., M.D.,** Clinical Associate Professor of Obstetrics and Gynecology
- ARTICLES:
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See also W. E. Miller.

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

See O. H. Sears.

Armon, William J., B.S., First Assistant in Soil Experiment Fields Research

See F. C. Bauer and A. L. Lang.

Atterbury, Robert Alfred, B.S., D.D.S., Assistant in Oral and Maxillofacial Surgery

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

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

See F. C. Bauer.

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

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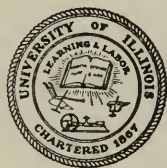
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ANNUAL LIST OF
PUBLICATIONS
OF THE FACULTY

May 1, 1948, to April 30, 1949



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

(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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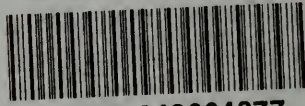
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