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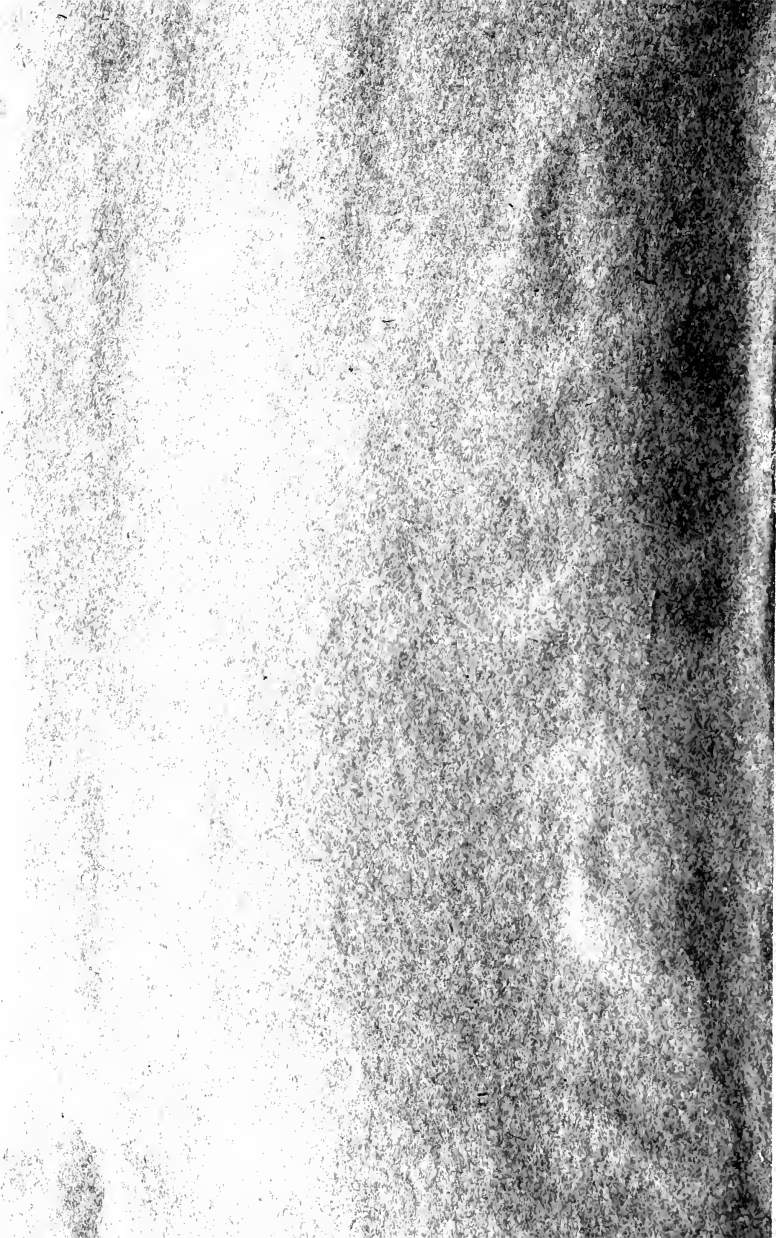
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION

UNIVERSITY OF ILLINOIS

MAY 1, 1914-APRIL 30, 1915

The publications of the faculty of the University of Illinois during the year ended April 30, 1915, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ALVORD, C. W.

(1) Book notices:

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" *Histoire du Canada*, by François-Navier Garneau. *Ibid.*, 1:300-301. (650)

" *Cyclopedia of American Government*, edited by Andrew C. McLaughlin and Albert Bushnell Hart. *Ibid.*, 1:450-453. (1300)

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(3) Articles:

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(4) Books:

" *Illinois Wabash Land Company Manuscript*. With an introduction by C. W. Alvord. Privately printed by Cyrus H. McCormick, Chicago, 1915. pp. ix, 40.

ABBITT, H. E.

(3) Articles:

" What a City Can Afford. *Proc., Ill. Soc. Eng. & Survey*, 1915. (1000)

" Wash Water Salvage at Champaign and Urbana. *Proc., Am. Wtr. Wks. Assn.*, 1915.

ABCOCK, K. C.

(3) Articles:

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BABCOCK, K. C.

(3) Articles:

- " Nevada; New Mexico; Pensions for Teachers. *Ibid.*, Vol. II.
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(4) Books:

- " The Scandinavian Element in the United States. Univ. of Ill. Studies in the Social Sciences, 3:3. Urbana, 1914. pp. 223.

BAGLEY, W. C.

(1) Book notices:

- School Hygiene, by F. B. Dresslar. *J. Educ. Psych.*, 5:6:360. (250)
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 " The Mental Man, by G. G. Wenzlaff. *Ibid.*, 5:6:358. (600)
 " Psychology as Applied to Education, by P. M. Magnusson. *Ibid.* 5:6:359. (600)

(2) Original Reviews:

- " Formal English Grammar as a Mental Discipline, by T. H. Briggs. *J. Educa. Psych.*, 5:9:538. (1200)

(3) Articles:

- " Introduction to F. H. Hayward's The Lesson in Appreciation, and the "Modern Teachers' Series." Macmillan. New York, 1914. (1200)
 " Minimal Essentials in Elementary Geography and History. 14th Year Bk., Nat. Soc. for the Study of Educa. Chicago, 1915. (5000)
 " Principles Justifying Common Elements in the School Program. Proc., Univ. of Ill. H. S. Conf., 1914. (Also publ. in Sch. and Home Educa., 34:4:119.) (7000)
 " The Place of the "Informal" Subjects in the School Program. *Ibid.* 34:3:87. (2000)
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 " The Wheedling Theory of School Discipline. Pub. Schools (Denver, Colo.), 1:2:5. (1000)
 " The Social Significance of the Teacher's Responsibility for Discipline. Proc., Ind. St. Teachers' Assn., 1914. (1500)
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(3) Articles:

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" Selecting the Surface of an Improved Road. Proc., Good Roads Conv., Ann Arbor, Mich., Feb. 17. (4100)

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BALDWIN, E. C.

(1) Book notices:

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(3) Articles:

" Judaism and Modern Ideals. B'nai B'rith News, 7:2. (5000)

" A Suggestion for Composition Work—the oral story. Bul. Ill. Assn. Teachers of English, 7:11. (500)

" A Neglected Aspect of Our Modern Dept to Israel. Homiletic R., 69:3. (1800)

" Prayer, Ancient and Modern. *Ibid.*, 69:4. (2000)

" The Character in Restoration Comedy. Pub., Mod. Lang. Assn. of Am., 30:1. (2600)

" The Permanent Elements in the Hebrew Law. Int. J. of Ethics, 25:3. (3000)

" The November Meeting. Bul. Ill. Assn. Teachers of Eng., 7:5. (1300)

BALKE, C. W., with SEARS, G. W.

(3) Articles:

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BALL, T. R., and SMITH, G. McP.

(3) Articles:

The Volumetric Estimation of Titanium by Means of Ferric Chloride. J. Am. Chem. Soc. 36, 1838. (1500)

BARTOW, EDWARD

(3) Articles:

" Laboratory Control of Water Supplies. J. Am. Wtr. Wks. Assn., 1:720. (950)

" Possibilities of a Municipal Laboratory. Ill. St. Med. J., 26:577. (1000)

" Observations of Some European Water Purification and Sewage Disposal Plants. J. Am. Wtr. Wks. Assn., 2:13. (3500)

" Examination of Drinking Water on Railway Trains. J. Am. Wtr. Wks. Assn., 2:74. (3000)

" Purification of Sewage by Aeration in the presence of Activated Sludge. J. Ind. and Eng. Chem., 7:318; Eng. Rec., 71:421; Eng. News, 73:647; Eng. and Contr., 43:310; Munic. J., 38:504. (2000)

BARTOW, EDWARD

" and ALVORD, J. W.

Sanitary Policy for Racine, Wis. *Munic. J.*, 37:740. (940)

(4) Books:

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BENTLEY, MADISON

(2) Original Reviews:

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(3) Articles:

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" with RUCKMICH, C. A.

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BEVIER, ISABEL

(1) Book notices:

Elementary Household Chemistry, by John F. Snell. *J. Am. Chem.*
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" Food Products, by Henry C. Sherman. *Sci.*, Jan. 22, 1915. (500)

(3) Articles:

" The New Housekeeping. Series of ten art. in *The Woman's World*,
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BLOOMFIELD, LEONARD

(2) Original Reviews:

" Kultur, Ausbreitung und Herkunft der Indogermanen, by Feist.
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(4) Books:

" Introduction to the Study of Language. Holt, New York, 1914.
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BODE, B. H.

(3) Articles:

The Psychological Doctrine of Focus and Margin. *Philos. R.*,
23:389-400. (7500)

BOGART, E. L.

(1) Book notices:

" Social and Economic Forces in American History, by A. B. Hart.
Am. Econ. R., 4:366. (250)

" The Mining Advance into the Inland Empire, by W. J. Trimble.
Ibid., 5:72-73. (500)

" Die Berufsvereine, by W. Kuleman. *Ibid.*, 5:96-98. (500)

BOGART, E. L.

" The Economic Utility of History, by H. W. Farnam. *Miss. Val. Hist. Rev.*, 1:119-120. (400)

" Economic Determinism, by Lida Parce. *Ibid.*, 1:450-451. (350)

(3) Articles:

" Economic History of the United States. *Cyclopedia of American Government*. (Ed. by Hart and McLaughlin). 1:620-625. (4000)

(4) Books:

" *Business Economics* (rev. and enlarged ed.). LaSalle Exten. Univ., Chicago, 1915. pp. 200.

" and THOMPSON, C. M.

Exercise Book in the Economic History of the United States. Longmans, Green, New York, 1914. pp. 68.

BRODERSON, H. J.

(3) Articles:

" Anhydrous Hydrazine as a Solvent. *J. Am. Chem. Soc.*, 37:816-825. (3000)

" and WELSH, W. B.

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BROOKS, N. C.

(1) Book notices:

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(3) Articles:

" The Museum of European Culture of the University of Illinois. *Proc., Am. Assn. of Museums*, 8:120-124. (2000)

BROWN, J. C.

See COFFMAN, L. D.

BUCK, A. M.

(2) Original Reviews:

" Time Element in Controller Notching. *Elec. Ry. J.*, 45:672. (900)

(3) Articles:

" Proportioning of railway motor resistances. *Ibid.*, 45:330-332. (2500)

BURGE, W. E.

(3) Articles:

" The Effect of Radiant Energy on the Lens and Humors of the Eye. *Am. J. Physiol.*, 36:1.

" The Comparative Rate of Oxidation of Enzymes and their Corresponding Proenzymes. *Ibid.*, 36:4.

" Means by which parasites Resist the Action of the Digestive Enzymes in the Alimentary Tract. *Am. J. Parasitol.*, 1:4.

" Effect on the Eye of Ultra-violet Light. *Elec. World*, 65:15.

BURGE, W. E.

- " The means by which the eye protects itself against the harmful effect of ultra-violet in ordinary Light. *Archiv. Ophthalmol.*, 44:5.
- " The Comparative Rate at which Fluorescent and Nonfluorescent Bacteria are killed by Ultra-violet Light. *J. Am. Med. Assn.* 64:27.
- " Reply to Verhoff's objection to my contention concerning the part played by ultra-violet in the production of cataract. *Ibid.*, 64:15.

BURNS, JOSEPHINE E.

(3) Articles:

- " The Abstract Definitions of the Groups of Degree 8. *Am. J. Math.*, 37:2:195-214. (8000)

CANTER, H. V.

(3) Articles:

- " High School Equipment and Publications Helpful to Teachers of Latin and Ancient History. *Univ. of Ill. Sch. of Educ. Bul.*, 13:133-138. (2500)

COFFEY, W. C.

(3) Articles:

- " Proportion of Corn and Alfalfa Hay for Fattening Western Lambs. *Univ. of Ill. Exper. Sta. Bul.*, 167:1-82.
- " Corn Silage as a Sheep Feed. *Am. Sheep Breeder and Wool Grower*, 34:201-202. (3500)
- " The Sheep-killing Dog Problem. *Breeder's Gazette*, 67:754. (750)
- " Wether and Ewe Lambs in the Feed Lot. *Natl. Wool Grower*, 5:2:13-14. (1400)
- " Should Fattening Lambs be Sheared? *Ibid.*, 5:4:11-13. (1500)

COFFMAN, L. D.

(1) Book notices

- " *Common Essentials in Spelling*, by Studley and Ware. Chicago Nor. Sch., Cale, 1914. *Educ. Adm. and Supervision*. (200)
- " *Practice in the Case of Addition*, by T. J. Kirby. *Sch. and Home Educ.*, Oct., 1914. (2500)
- " *How New York City Administers Its Schools*, by E. C. Moore. World Book Co., 1913. *Ibid.*, Jan., 1915. (150)
- " *School Reporting and the New Orleans Report*. New Orleans, 1915. *Ibid.*, March, 1915. (500)
- " *Concrete Investigation of the Material of English Speaking*, by W. Franklin Jones. *Ibid.*, April, 1915. (500)
- " *Report of the Survey of the School System of Butte, Mont.* *Ibid.*, April, 1915. (500)

(3) Articles:

- " *The American School Superintendent*. *J. Educ. Adm. and Supervision*, Jan., 1915. (6300)

COFFMAN, L. D.

- " School Supervision: Its Nature and Scope. Sch. and Home Educ., Feb., 1915. (8000)
- " Introduction to The Discipline of the School, by Frances Morehouse. Heath, Boston, 1914. (1700)
- " Introduction to The High School, by John Stout. Heath, Boston, 1914. (900)
- (4) Books:
- " with BROWN, J. C.
How to Teach Arithmetic. Row, Peterson, Chicago, 1914. pp. vi, 373.

COLE, ARTHUR C.

- (1) Book notices:
- " Thomas Ritchie. A Study in Virginia Politics, by C. H. Ambler. Miss. Val. Hist. Rev., 297-299. (750)
- " The Life of Robert Toombs, by U. B. Phillips. *Ibid.*, 1:150-152. (700)
- " A Naval History of the American Revolution, by G. W. Allen. *Ibid.*, 1:292. (300)
- " The Life and Letters of George Gordon Meade, by George Meade. *Ibid.*, 1:594. (400)
- " Sanford's American History Maps, with Accompanying manual, by A. H. Sanford. *Ibid.*, 2:154-155. (500)
- " Reviews in History Teacher's Magazine. 5:298; 6:159.
- (3) Articles:
- " The South and the Right of Secession in the Early Fifties. *Ibid.*, 1:376-399. (11,500)
- (4) Books:
- " The Whig Party in the South. Washington: Am. Hist. Assn.; London: Humphrey Milford, Oxford University Press, 1914, pp. xii, 392, accompanying maps.

CREEK, H. L.

- (3) Articles:
- " The Author of "Havelok the Dane", Englische Studien, 48:193-212. (6500)

CUNNINGHAM, H. E.

- (4) Books:
- " Report, Board of Trustees, 1914. State of Ill., Urbana, 1915, pp. 1297.

CURTIS, F. R.

- (3) Articles:
- " The Collection of Social Survey Material. Inst. Q., Springfield, 5:75-83. (2000)

DANIELS, A. H.

- (1) Book notices:
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GARNER, J. W.

(300), Filibustering in Legislation (900), Individualism, Theory, (1000), Instructions to Representatives (250), Joint Resolution (300), Journals of the Legislative Bodies (470), Judicial Power, theory (1130), Judiciary and Congress (1200), Judiciary and Judicial Reform (1700), Legislation, when it takes effect (250), Legislative Output, National and State (550), Legislative Power, Theory (700), Legislature and Legislative Reform (2000), Liberty, Civil (500), Mileage of Legislators (200), Nihilism (550), Ochlocracy (100), Order of Business in Legislative Bodies (300), Organic Theory of the State (600), Particularism (definition) (150), Private Bills (500), Privileged Status of Persons (850), Quorum (200), Reports of Committees (600), Revolution, Right of, (700), Seals, Public (200), Sessions of Legislative Bodies (350), Sovereignty, Theory of (2650), Sovereignty of the People (1550), State, Theory of (3500).

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(3) Articles:

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KAY, F.

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MILLARD, E. B.

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WASHBURN, E. W.

(1) Book notices:

Landolt-Börnstein Physikalisch-Chemische Tabellen, by R. Börnstein and W. A. Roth. *J. Am. Chem. Soc.*, 37:235.

(3) Articles:

" with HEUSE, E. O.

" The Measurement of Vapor Pressure Lowering by the Air Saturation Method. *Ibid.*, 37:309. (3000)

" with MILLARD, E. B.

" The Ionic Hydration and Transference Numbers of Cassium Chloride. *Ibid.*, 37:694. (1400)

- WASHBURN, E. W.
 " with READ, J. W.
 " The Freezing-Point-Solubility Law for Ideal Solutions. Proc. Natl. Acad. Sci., 1:224. (1600)
 (4) Books:
 " Introduction to the Principles of Physical Chemistry, Part I. McGraw-Hill Book Co., N. Y., 1914. pp. 183.
- WATSON, F. R.
 (3) Articles:
 Acoustics of Auditoriums. Univ. Ill. Eng. Exp. Sta. Bul. 73:1-32. Scientific Am. Supplement, 78:358-359, 380-382. (14000)
- WELKER, W. H. and FALLS, F. H.
 (3) Articles:
 Appearance of Non-Colloidal Ninhydrin-Reacting Substances in the Urine. J. Am. Med. Assn., 62:1800-1802. (2015)
- WELSH, T. W. B.
 (3) Articles:
 See BRODERSON, H. J.
- WHEELER, RUTH
 A Study of the Nutritive Value of Some Proprietary Infant Foods as Milk Modifiers. Am. J. of Dis. of Children. 9:4:300-317. (3500)
- WHICHER, G. F.
 (1) Book notices:
 Aaron Hill, Poet, Dramatist, Projector, by Dorothy Brewster. J. Engl. and Ger. Philol., 13:475-479. (1200)
- WHIPPLE, G. M.
 (1) Book notices:
 Correlations of Mental Abilities, by B. R. Simpson. J. Educa. Psych., 5:472-474. (800)
 " Fatigue and Its Effects Upon Control, by I. E. Ash. *Ibid.* (600)
 " The Mental Health of the School Child, by J. E. W. Wallin. Educ. Admin. and Supervision. 1:59-60. (700)
 (2) Original reviews:
 " Annual Summary of the Psychology of Testimony and Report. Psych. Bul., 17:245-250; J. Crim. Law, 5:785-788. (1500)
 (3) Articles:
 " The Hygiene of the School Child, by J. E. W. Wallin. *Ibid.*, 1:60-62. (700)
 " School Training of Defective Children, by H. H. Goddard. *Ibid.*, 1:347. (300)
 (4) Books:
 " Manual of Mental and Physical Tests, Part I, Simpler Processes. Warwick and York, Baltimore, Md., 1914. pp. xi, 365.
 " (Translation) Psychological Methods of Testing Intelligence, by W. Stern. Warwick and York, Baltimore, Md., 1914. pp. 160.

WILLARD, A. C.

(3) Articles:

Heat Transmission Tests on Steel Mail Car Section. *Ry. Age Gaz.*, 56:26:1572-1574. (2200)

" Engineering Data for Furnace Heating. *Metal Worker*, 83:17:604-606. (4000)

WILLIAMS, C. A.

(3) Articles:

Bits of Popular Tradition from Smaland (Sweden). *Publns. Soc. for Adv. of Scand. Studies*, 1:274-278.

" Zum ältesten Druck des Wilhelmusliedes. (Hochdeutsch 1580). *Tijdschrift voor nederlandse Tall-en Letterkunde*, 1914, 154-156.

" Das "Aennelein von Torgau". *Euphorion*, 20:206.

WILLIAMS, R. H. and EMMETT, A. D.

(3) Articles:

A Study of the Ash Content of Growing Pigs with Special Reference to the Influence of the Quantity of Protein Consumed. *Ill. Agric. Sta. Bul.*, 169:1-20.

" A Study of the Phosphorus Content of Growing Pigs with Special Reference to the Influence of the Quantity of Protein Consumed. *Ibid.*, 171:1-25.

WILSON, W. M.

(3) Articles:

Types of Movable Bridges. *J. West. Soc. of Engrs.*, 19:6:550-589. (15000); *Contract Rec. and Eng. R.*, 28:31:979.

" Proposed Courses in Structural Engineering for Civil Engineering Students. *Bul., Soc. for Promotion of Eng. Educ.* 4:10:118. (2700)

WOOLBERT, C. H.

(3) Articles:

The Ethics of Public Address. *Pub. Speaking R.*, 4:3:8. (3000)

" Elocution Redivivus. *Engl. J.*, 4:3:8. (3200)

" On Speaking Out. *Q. J. of Pub. Speaking*. 1:1:1. (350)

ZEITLIN, J.

(1) Book notices:

The Infinitive in Anglo-Saxon, by Morgan Callaway, Jr. *J. Engl. and Ger. Philol.*, 13:3:479-482. (1500)

(3) Articles:

" Dostevsky the Reactionary. *New Repub.*, 2:176-178. (1600)

(4) Books:

See SCOTT, F. W.

ZELENY, CHARLES and FAUST, E. C.

(3) Articles:

Size dimorphism in the spermatozoa from single testes, *J. of Exp. Zool.*, 18:187-240. (21000)

" Dimorphism in size of spermatozoa and its relation to the chromosomes. *Proc., Natl. Acad. of Sci.* 1:91-94. (1600)



BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
UNIVERSITY OF ILLINOIS

MAY 1, 1915-APRIL 30, 1916

The publications of the faculty of the University of Illinois during the year ended April 30, 1916, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles on contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ALVORD, C. W.

(1) Book notices:

Lands forlorn, by Douglas. *Miss. Val. Hist. R.*, 2:4:610-611. (240)

" History of travel in America, by Dunbar. *Ibid.*, 2:4:591-593. (670)

" George the Third and Charles Fox, by Trevelyan. *Ibid.*, 2:4:570-571.
(480)

(3) Articles:

Planning the publication work of historical agencies. *Ann. Rep. Am. Hist. Assn.*, 1:217-223. (2500)

(4) Books:

The critical period, 1763-1765. Trustees of the Ill. St. Hist. Lib., Springfield, 1916. Pp. lvii, 597.

" The new régime, 1765-1767. *Ibid.*, pp. xxviii, 700.

AUST, F. A.

See MILLER, WILHELM.

BABBITT, H. E.

(3) Articles:

Nomographic method for the solution of formulas. *Proc. Ill. Soc. of Engin.*, 1916. (1500)

BACON, C. S.

(1) Book notices:

Case histories in obstetrics, by Robert L. De Normandie. *J. Am. Med. Assn.*, 65:822. (1000)

(2) Original reviews:

" Insemination and conception. *J. Am. Med. Assn.*, 66:448. (170)

" Insemination and conception—Answer to Dr. Panoff. *Ibid.*, 66:1263.
(170)

" Length of gestation in ectopic pregnancy. *Ibid.*, 66:1389. (320)

" Treatment of "after pains." *Ibid.*, 66:1263. (170)

(3) Articles:

Infant mortality due to labor. *J. Am. Med. Assn.*, 64:2048. (3222)

BAGLEY, W. C.

- (1) Book notices:
- Rural life and the rural school, by Joseph Kennedy. *School and Home Educ.*, 34:9:349. (250)
- “ Vocational and moral guidance, by J. B. Davis. *Ibid.*, 34:10:390. (600)
- “ State and county school administration, by E. P. Cubberley and E. C. Elliott. *Ibid.*, 35:4:129-130. (700)
- “ The Portland survey, by E. P. Cubberley. *Ibid.*, 35:3:91. (170)
- “ Educational hygiene, by L. W. Rapeer. *Ibid.*, 35:5:162. (260)
- “ A history of travel in America, by Sidney Dunbar. *Ibid.*, 35:8:266. (700)
- (2) Original reviews:
- Schools of tomorrow, by John Dewey and Evelyn Dewey. *School and Home Educ.*, 35:1:3-5. (2100)
- (3) Articles:
- The question of federal aid for Normal Schools. *Proc. Natl. Educ. Assn.*, 1915. Pp. 766-771. (2750)
- “ Professor John H. Gray on vocational education. *School and Home Educ.*, 34:9:319-322. (2000)
- “ Deweyism and democracy. Rejoinder to replies from John Dewey and J. T. McManis. *Ibid.*, 35:2:36-37, 39-40. (2000)
- “ Democracy and individualism—again. Second rejoinder to J. T. McManis. *Ibid.*, 35:3:74-75. (1000)
- “ The educational basis of democracy. *Ibid.*, 35:5:147-149. (2500); *Am. Schoolmaster*, 9:3.
- “ Differentiated curriculums *versus* common elements in the seventh and eighth grade programs. *Addr.*, Detroit Meeting, Dept. of Superintendence, Feb., 1916. *School and Home Educ.*, 35:7:215-218. (2800)

BAKER, I. O.

- (1) Book notices:
- Report of committee to prepare conclusions of the second national conference on concrete road construction. *Proc. of Conf.*, Chicago. (3000)
- with GREENE, J. H.
- “ Good roads bulletin for Illinois public schools. *Supt. of Pub. Inst.*, Springfield, Ill., March, 1916. 32 pp.
- (3) Articles:
- Pertinent points about roads. *Good Roads Bul. for Ill. Pub. Schs.* 10 pages.
- “ Report of committee on problems of design, second national conference on concrete road construction, Chicago, Feb., 1916. *Proc. Conf.* (1000)
- “ The highway engineer as a public servant. *Proc. Short Course in Highway Engineering*, U. of Mich. (6000)

BALDWIN, E. C.

- (3) Articles:
- Eighth annual meeting of Ill. assn. of teachers of English. *Ill. Assn. Bul.*, 8:3:1-11. (1500)
- “ Judging public speaking. *Ibid.*, 8:6:10-13. (900)
- “ The Jewish genius in literature. *Menorah J.*, 1:3:164-172. (5000)

ARTOW, EDWARD

(3) Articles:

Bureaus of water supplies. *Am. J. Pub. Health*, 5:9:871. (1300)" The treatment of sewage by aeration in the presence of activated sludge. *Met. Chem. Eng.*, 13:15:901. (2500)

and BENNETT, A. N.

The arsenic content of filter alum. *J. Am. Water Works Assn.*, 2:4:585. (4000)

and HATFIELD, W. D.

" Fertilizer value of activated sludge. *J. Ind. Eng. Chem.*, 8:1:17; *Eng. Ctg.*, 44:434. (2500)

and HUENINK, H. L.

The effect of the mineral content of water on canned foods. *J. Ind. Eng. Chem.*, 7:6:495. (1300)

and MOHLMAN, F. W.

Purification of sewage by aeration in the presence of activated sludge. II. *J. Ind. Eng. Chem.*, 8:1:15; *Eng. Ctg.*, 44:433; *Eng. News*, 74:1096. (2000)

" (4) Books:

Water survey report for 1914, University of Illinois. *Bul. Water Surv. Ser.*, No. 12, pp. 210.

BAYLEY, W. S.

(1) Book notices:

Minerals and the microscope. An introduction to the study of petrology. *Econ. Geol.*, 10:7:680. (425)

(4) Books:

Minerals and rocks. D. Appleton & Co., New York and London, 1915. Pp. viii, 227.

BEAL, G. D.

(3) Articles:

with BEEBE, C. K.

The oil of the wild grape seed, *vitis riparia*. *J. Ind. Eng. Chem.*, 7:1084.

with BRADY, S. E.

The hydrochloride method for the determination of alkaloids. *Ibid.*, 8:48.

BEARD, J. H.

(3) Articles

The avoidable loss of life. *Sci. Monthly*, 2:8:105. (6000)

BECK, J. C.

(3) Articles:

Neurological cases in the practise of ophthalmology and oto-laryngology. *Tex. St. J.*, Dec., 1915, Page 20. (4000)" Laryngeal obstruction. *J. Ia. St. Soc.*, May, 1915." Roentgenographic diagnosis of oto-sclerosis. *Laryngoscope*, Mar., 1915. (300)" Borderland topics in ophthalmology and oto-laryngology. *Ind. Med. Soc. J.*, May, 1915. 18. (2250)

BECK, J. C.

- " Cooperation of dentist and ophthalmologist. Am. Dent. J., May, 1915.
 " Local *versus* general anesthesia in nose and throat operations. Ann. of
 Otolaryngology, Sept., 1915. Rhinology and laryngology. (2000)
 " Relation of oto-laryngology to other specialties. Laryngoscope, Mar.,
 1916. (2500)
 with HASSIN, G. B.
 A case of combined extra cranial paralysis of cerebral nerves. Med.
 Recorder, Aug. 21, 1915.

BEEBE, C. K.

See BEAL, G. D.

BENEDICT, B. W.

- (3) Articles:
 Training in field artillery at the University. Ill. Mag., 7:3:98. (5000)
 " Shop instruction at the University of Illinois. Bul. S. P. E. E.,
 6:4:234. (10000)
 " Getting the most out of tools. Year Book Am. Ry. Tool Foreman's
 Assn., 1915, Page 11. (6000)

BENNETT, A. N.

See BARTOW, EDWARD

BENTLEY, MADISON

- (2) Original reviews:
 Psychology, general and applied, by H. Münsterberg. Philos. R.
 25:1:59.
 " Sensation—general. Psychol. Bul., 13:3:120.
 (3) Articles:
 Settlement and culture. Mid-west Q., 3:2:98.

BEVIER, ISABEL

- (1) Book notices:
 A text-book of cooking, by Carlotta C. Greer. J. of Home Econ.,
 8:2:98. (750)
 (4) Books:
 with VANMETER, ANNA
 Laboratory guide: Selection and preparation of food. Whitcomb &
 Barrows, Boston, 1915. Pp. ii, 100.
 " Laboratory manual: Food and nutrition. Whitcomb & Barrows, Bos-
 ton, 1915. Pp. iii, 70.

BLATT, MAURICE L.

- (3) Articles:
 Studies in the Shick diphtheria reaction. Arch. of Diagnosis, 8:3.
 (1800)

BLOOMFIELD, LEONARD

- (1) Book notices:
 Parallel formations in English, by F. A. Wood; Zur Geschichte der
 Germanischen N-Deklination, by E. Wessen; Nomina Agentis in
 old English, by K. Kärre; The semantic development of words for
 eating and drinking in Germanic, by H. O. Schwabe. J. of Eng.
 and Ger. Philol., 15:1:140 (1500)
 " The phonology of the dialect of Aurland, Norway, by G. T. Flom.
 Alum. Q. and Fortn. Notes, 1:14:301. (400)

BLONDHEIM, D. S.

(2) Original reviews:

Bibliography of medieval French literature, by L. Foulet. *Mod. Lang. Notes*, 31:1:50. (550)

BODE, B. H.

(1) Book notices:

Proceedings of the Aristotelian Society, 1913-1914. *J. of Philos., Psychol. and Sci. Methods*, 13:159-165. (2300)

BOGART, E. L.

(1) Book notices:

Taxation and the distribution of wealth, by Frederic Mathews. *Weltwirtschaftliches Archiv.*, 6:259-260. (500)

" Studies in the evolution of industrial society, by Richard T. Ely. *Ibid.*, 6:287. (200)

" The winning of the far west, by Robert McN. McElroy. *Yale R.*, 4:866-867. (700)

" A history of manufacturers in the Ohio Valley to the year 1860, by Isaac Lippincott. *Am. Econ. R.*, 5:595-596. (350)

" American diplomacy, by C. R. Fish. *Ibid.*, 6:101-102. (400)

" The financial history of New York State, by Don C. Sowers. *Am. Hist. R.*, 21:185-186. (500)

" Economic origins of Jeffersonian Democracy, by Charles A. Beard. *Ann. of the Am. Acad.*, 63:298-299. (600)

(4) Books:

and THOMPSON, C. M.

Readings in the economic history of the United States. Longmans, Green and Company, New York, 1916. Pp. xxvi, 862.

BOUGHTON, T. H.

(3) Articles:

Kidney lesions in chronic anapylaxis. *J. of Immunology*, 1:1:105. (3500)

BRADY, S. E.

See BEAL, G. D.

BROTHERS, E. D.

(3) Articles:

Right of surgeon to depart from specific operation originally contemplated. *Case and Comment*, 20:10:686. (4000)

The introduction of communistic theories of government into our individualistic system. *Internat. J. of Orthodontia*, 2:2:81. (4500)

(4) Books:

Dental jurisprudence. C. V. Mosby Co., St. Louis, 1914. Pp. ii, 205.

" Medical jurisprudence. C. V. Mosby Co., St. Louis, 1914. Pp. i, 260.

BROWN, J. C.

(3) Articles:

A study of the preferences of secondary school students for the various subjects and their reasons for the preferences. *Educ. Adm. and Superv.*, 1:8:527. (6500); 1:9:599. (6000)

BROWN, J. C.

" A study of the relationship between preference and utility of subject matter. Teachers College Rec., 16:5:415. (6000)

(4) Books:

Modern business arithmetic. Henry Holt & Co., New York, 1916.
Pp. iii, 292.

BUCK, A. M.

(3) Articles:

New method to determine railway motor speeds with varying voltage.
Elec. Ry. J., 46:12:595. (1100)

" Electric traction in 1915. Elec. R. and West. Electrician, 68:1:7.
(1800)

(4) Books:

The electric railway. McGraw-Hill Book Co., Inc., New York, 1915.
Pp. xi, 390.

BUNCH, MAMIE

(3) Articles:

Follow-up work. J. Home Econ., 7:10:523. (1000)

BURGE, W. E.,

(3) Articles:

The cause of gastric ulcer. J. Am. Med. Assn., Vol. LXVI.

" The mode of action of ultra-violet radiation in injuring living cells with special reference to those constituting the eye. Am. J. Physiol., 39:3.

" The destruction of hormones, pro-enzymes, and enzymes by ultra-violet radiation. *Ibid.*, 40:1, 3.

" The mode of action of ultra-violet radiation in injuring the refracting media of the eye. J. Franklin Inst., 180:4.

" Ultra-violet radiation and the eye. Trans. Illum. Eng. Soc., 10:9.

" Relation between the amount of catalase in the different muscles of the body and the work done by these muscles. Am. J. Physiol., 40:6.

" Production of cataract in living animals. Abstract Bul. Nela Research Lab., 1:2.

" See also NEILL, A. J.

BURLISON, W. L.

(3) Articles:

Prices and shrinkage of farm grains. Ill. Exp. Sta. Bul. No. 183.
(5000)

BURMEISTER, W. H.

(3) Articles:

A mixed tumor (chondro-fibro-epithelioma) of the choroid plexus.
Johns Hopkins Hosp. Bul., 26:298. (2000)

" Resuscitation by means of preserved living erythrocytes in experimental illuminating gas asphyxia. J. Am. Med. Assn., 66:164:167.
(4300)

" The absence of demonstrable specific antibodies in rabies caused by fixed virus. J. Infectious Dis., 17:2:423-431. (2500) 3 tables.

CANTER, H. V.

(3) Articles:

The educational survey of Illinois as related to higher education. Proc. Ill. St. Teach. Assn., 61:114:119. (3750)

(4) Books:

with OLDFATHER, W. A.

The defeat of Varus and the German frontier policy of Augustus. Univ. of Ill. Studies in the Social Sciences, Urbana, 4:2. Pp. i-vi, 9-118.

CARMICHAEL, R. D.

(1) Book Notices:

Algebraic invariants, by Dickson. Bul. Am. Math. Soc., 22:4:197. (600)

" Théorie des fonctions, by Borel. *Ibid.*, 22:4:199. (400)

" Radioactive substances, by Rutherford. *Ibid.*, 22:4:200. (400)

" Electrical and optical wave motion, by Bateman. *Ibid.*, 22:4:201. (1200)

(3) Articles:

On the representation of numbers in the form $X^3+Y^3+Z^3-3XYZ$ Bul. Am. Math. Soc., 22:3:111-117. (2400)

" On the solutions of linear homogeneous difference equations. Am. J. Math., 38:2:185-220. (22000)

(4) Books:

Diophantine analysis. Wiley & Sons, New York, 1915. Pp. vi, 118.

CARMICHAEL, W. J.

(3) Articles:

A balanced ration for the corn belt. Duroc Bul., 11:263:12. (5200)

CARY, F. L.

(3) Articles:

Pyelonephritis. Ill. Med. Rec., Dec., 1915. (1850)

CASTENHOLZ, W. B.

(3) Articles:

Accounting procedure for state universities. J. Accy., 21:2:81. (4000); 21:3:167. (4000)

CLARK, T. A.

(3) Articles:

Vaudeville and photo plays. Banta's Greek Exchange, 4:2. (3000)

" The chapter letter. Alpha Tau Omega Palm, 36:1. (4000)

" Samuel Walker Shattuck, an appreciation. Alumni Q., 9:3. (3000)

" And some must work. Alumni Q., 1:2. (2500)

(4) Books:

The fraternity and the college. George Banta Pubn. Co., Menasha, Wis., 1915. Pp. 223.

COFFEY, G. N.

(3) Articles:

Soil survey of Trumbull County, Ohio. Field Opera. of Bureau of Soils, 1914. U. S. D. A., Mar. 21, 1916. (23000)

COFFEY, W. C.

(3) Articles:

- Raising lambs economically for market. *Ind. Farmer*, 70:33:1. (4500), 1 illustration.
- " Stomach worms in sheep. *Breeder's Gaz.*, 68:4:118. (850)
- " How the stomach worm works. *Ibid.*, 68:5:152. (1200)
- " Checking stomach worm in sheep. *Ibid.*, 68:6:192. (1300), 1 illustration.
- " Predicting the future market. *Natl. Wool Grower*, 5:9:17. (1600), 1 illustration.
- " The sheep killing dog problem. *Breeder's Gaz.*, 67:15:754. (1200)
- " Pushing lambs for market. *Ohio Farmer*, 135:20:1. (2500) 3 illus.

COLE, A. C.

(1) Book Notices:

- Sanford's American history maps, by Albert H. Sanford. *Miss. Val. Hist. R.*, 2:1:154. (500)
- " The British Empire, by Sir Chas. P. Lucas. *Ibid.*, 2:4:569. (200)
- " American navy, by French E. Chadwick. *Ibid.*, 2:4:589. (250)

COLEMAN, K. R.

See EMMETT, A. D., and GIES, W. J.

COMSTOCK, A. F.

(1) Book Notices:

- Railroad field manual for civil engineers, by Raymond. *Eng. Rec.*, 71:23:723. (500)
- " The railroad taper, by Perkins. *Ibid.*, 71:25:812. (500)
- " Surveying manual, by Pence and Ketchum. *Ibid.*, 72:15:457. (300)
- " Practical surveying, by McCullough. *Ibid.*, 72:18:550. (500)
- " Field manual, by Searles and Ives. *Ibid.*, 72:21:638. (300)
- " Surveying and fieldwork, by Williamson. *Ibid.*, 72:22:670. (400)
- " Railway maintenance engineering, by Sellew. *Ibid.*, 73:2:56. (500)

(3) Articles:

- Construction of concrete pavements at Tonawanda, N. Y., *Ill. Soc. of Engrs.*, 31:1. (2600)
- " Concrete pavement, Tonawanda, N. Y., *Cement Era*, 14:2:85. (2600)
- " Construction of concrete pavements at Tonawanda, N. Y. *The Contractor*, 1:2:44. (2600)
- " Methods and costs of construction of concrete pavements at Tonawanda, N. Y., *Eng'g and Contracting*, 45:6:125. (2600)
- " Cost-analysis of double course pavement. *Eng. Rec.*, 73:6:171. (800)

CRATHORNE, A. R.

(3) Articles:

Algebra from the utilitarian standpoint. *Sch. Sci. and Math.*, 16:5:418. (5000)

(4) Books:

- with RIETZ, H. L., and TAYLOR, E. H.
School algebra, first course. Henry Holt & Co., New York, 1915. Pp. xiii, 271.
- " School algebra, second course. Henry Holt & Co., New York, 1915. Pp. xii, 235.

CREEK, H. L.

(3) Articles:

Love in mediaeval romance. *Sewanee R.*, 24:88-104. (6800)

CUSHMAN, R. E.

(1) Book Notices:

De la responsabilite civile des personnes publique, etc., by Roger Bonnard. *Pol. Sci.*, 30:327-330. (1200)

" Carrying out the city plan, by Flavel Shurtleff. *Ibid.*, 30:527-530. (1200)

" Excess condemnation, by Herbert S. Swan. *Nat. Munic. R.*, 5:354-356. (1200)

(3) Articles:

City planning and the courts. *Proc. 2d Ann. Conv. of Ill. Munic. League*, Nov., 1915. *Univ. of Ill. Bul.*, Jan. 3, 1916. (5000)

DAVENPORT, EUGENE

(3) Articles:

The master breeder. *Breeder's Gaz.*, 67:24:1159. (1800)

" Educative value of work. *School News*, 29:1,2,3,4,5,6,7:168,114,161, 209,259,308. (3500)

DAVIS, D. J.

(3) Articles:

Chromogenesis in cultures of sporotricha. *J. of Inf. Dis.*, 17:1:174-182. (4500)

" Streptothrix infections and their relation to tuberculosis. *Trans. 11th Ann. Meet., Natl. Assn. for the Study and Prevention of Tuberculosis*, 1915. Pp. 1-7. (4200)

" Infections with hemoglobinophilic bacteria. *J. Am. Med. Assn.*, 1915, 64:1814-1816. (4000)

" Hemoglobinophilic bacteria. *Sci.*, 42:1085:532-534. (1400)

" Hemolytic icterus with especial reference to the fragility of the red blood corpuscles. *Ill. Med. J.*, 29:4:280-282. (4000)

DAVIS, R. E.

(3) Articles:

Unusual methods simplify topographic survey. *Engin. Rec.*, 73:10:316. (1500)

with RAYNER, W. H.

Topographic survey of a rough wooded area. *Eng. Rec.*, 73:10:316. (1500)

(4) Books:

Manual of surveying for field and office. McGraw-Hill Book Co., New York, 1915. Pp. xiv, 395.

DAVIDSON, CHARLES

(1) Book notices:

Autoplastic repair of fractures of neck of femur. *J. Am. Med. Assn.*, 65:13:1139-1161. *Internat. Abstract of Surgery*, 22:2:180. (275)

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DAVISON, CHARLES

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- (3) Articles :
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(1) Book notices:

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(4) Books:

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(3) Articles:

A serum treatment for physiologically defective thyroids, with clinical reports. *Ill. Med. J.*, 28:6:419. (2500)

WATSON, F. R.

(2) Original reviews:

Acoustics of auditoriums. Concerning the theory of reverberation. *Am. Arch.*, 108:369. (4650)

(3) Articles:

" The correction of echoes in the Auditorium at the University of Illinois. *Phys. R.*, 6:2:56. (200)

" Investigation of the acoustical properties of the Armory at the University of Illinois. *Ibid.*, 7:2:400. (700); *The Brickbuilder*, 24:257. (860)

" An investigation of the transmission, reflection, and absorption of sound by different materials. *Phys. R.*, 7:2:125. (3380) with SHEWHART, W. A.

" A study of ripple wave motion. *Ibid.*, 7:2:226. (1350)

WEBER, H. C. P.

(3) Articles:

The separation of metals of the tin group. *J. Am. Chem. Soc.*, 38:1011-1017. (1500)

(4) Books:

“ Qualitative analysis charts. (Looseleaf). D. H. Lloyd & Co., Champaign, Illinois, 1916. Pp. i, 7.

WEIRICK, BRUCE

(4) Books:

Essays for college English. D. C. Heath & Co., Boston, 1915. Pp. xx, 447.

WELKER, W. H.

(3) Articles:

and MARSHALL, JOHN.

The toxicity of rattlesnake serum and bile with a note on the effect of bile on the toxicity of venom. *J. Pharm. and Exp. Therapeutics*, 6:5:563. (1200)

“ The antitoxic action of rattlesnake serum on rattlesnake venom with a note on the percentage of total solids of the serum and bile. *Ibid.*, 7:1,2:125. (800)

with TRACY, GROVER

“ The use of aluminium hydroxide cream for the removal of albumin in nitrogen partition in urinary analysis. *J. Biol. Chem.*, 22:1:55. (800)

“ A disturbing factor in Barfoed's test. *J. Am. Chem. Soc.*, 37:9:2227. (700)

WELLER, STUART

See VAN TUYL, F. M.

WELO, L. A.,

See KNIPP, C. T.

WHEELER, RUTH

(3) Articles:

Recent contributions to the foundations of dietetics. *J. Home Econ.*, 7:9:469. (3500)

“ Proteins in growth. *Sci. Monthly*, 2:6:279. (1400)

WHIPPLE, G. M.

(1) Book notices:

“ Pathological lying, accusation, and swindling: A study in forensic psychology, by William Healy and Mary T. Healy. *Ill. Law R.*, 11:1:61-63. (700)

“ Epreuve nouvelle pour l'examen mental et son application aux enfants anormaux, by O. Decroly. *J. Educ. Psychol.*, 6:371-372. (400)

“ Tests de developpement et tests d'aptitudes, by W. Claparède. *Ibid.*, 6:565-566. (475)

(2) Original reviews:

“ Annual summary of the psychology of testimony. *Psych. Bul.*, 12:221-224; *J. Crim. Law and Criminol.* (1000)

(3) Articles:

WHIPPLE, G. M.

- " How to study effectively. *School and Home Edu.*, Vol. 35. Jan., 1916; Feb., 1916; Apr., 1916; May, 1916. (11000)
- " Children's vocabularies. *Ibid.*, Vol. 35. Oct., 1915. Pp. 42-43. (1250)
- " The use of mental tests in the school. 15th Yearb. Natl. Soc. for Study of Edu., Part I, 1916. Pp. 149-160. (4500)
- " Advertising academic appointments. *J. Edu. Psych.*, 1915. 6:375-376 (450)
- " The problem of sense training. *Ibid.*, 1915. 6:567-568. (500)

WHITE, K. D.,

See KAY, F. H.

WHITFORD, R. C.

(3) Articles:

- Madame de Staël's English triumph. *So. Atlan. Q.*, 15:1:41-51. (3600)
- " The "Arabian Nights" and the English novel. *Dial.*, 60:714:270. (750)

WILEY, C. C.

(3) Articles:

- Monolithic brick paving slabs show high bond. *Eng. Rec.*, 73:3:86. (1200)

WILLARD, A. C.

(3) Articles:

- Engineering data for furnace heating. *Natl. Warm Air Htg. and Ventilating Assn.*, special pamphlet. (4800)
- " Testing warm air furnaces for efficiency and commercial ratings. *Ibid.*, (5000)
- (4) Books:
- with HARDING, L. A.
- " Mechanical equipment of buildings. John Wiley & Sons, New York, 1916. Pp. vi, 498.

WILLIAMS, A. W.

(3) Articles:

- The use of the thermometer in the cooking of soft custards. *J. Home Econ.*, 8:4:178-179. (700)

WILLIAMS, C. A.

(1) Book notices:

- Icelandic authors of today, by H. Hermannsson. *Pubns. of Soc. for the Advancement of Scand. Study*, 2:4:279ff.

WILLIAMS, E. H.

(3) Articles:

- Saturation value of the intensity of magnetization and the theory of the hysteresis loop. *Phys. R.*, 6:5:404. (1600)

WILLIAMSON, C. S.

(3) Articles:

- Influence of age and sex on haemoglobin; a spectrophotometric analysis of nine hundred nineteen cases. (Prelim. Rep.) *J. Am. Med. Assn.*, Vol. 65. July 24th, 1915.
- " Nephritis; hepatic abscess; acute gout; chronic gout. *Med. Clinics of Chicago*, Vol. I, pp. 39-77.

WILLIAMSON, C. S.

- " Aortic aneurism; tubercular pleurisy; metastatic pleurisy; typhoid fever. *Ibid.*, Vol. I, pp. 353-367.
- " Lead poisoning; another case of plumbism; a typical case of gout. *Ibid.*, Vol. I, pp. 405-430.
- " Three cases of malaria; haemorrhagic pleurisy; trichinosis. *Ibid.*, Vol. I, pp. 709-743.
- " Bronchiectasis; acromegaly; acute generalized tubercular adenitis; gangrene of lung; carcinoma of the stomach simulating pernicious anaemia. *Ibid.*, Vol. I, pp. 871-918.
- " Hanot's Disease; a tumor of the left kidney; an abdominal tumor. *Ibid.*, Vol. I, pp. 1109-1130.

WOOD, C. A.

- (3) Articles:
 Eyelids and lachrymal apparatus of birds. *Ophthalmology*, 11:641.
- " The sclerocorneal seton in the treatment of glaucoma. *Ophthalmic Rec.*, 26:235.
- " Shrapnel wound of the occipital region with involvement of the visual centers. *Ibid.*, 26:392.
- (4) Books:
 " The American encyclopedia and dictionary of ophthalmology. Cleveland Press, Vol. VI, pp. 842; Vol. VII, pp. 822; Vol. VIII, pp. 745.

WOOLBERT, C. H.

- (1) Book notices:
 Practical argumentation and debates, by George A. Pattee. *Q. J. of Pub. Speaking*, 2:2:215-216. (300)
- (3) Articles:
 " Theories of Expression—some criticisms. *Ibid.*, 1:2:127-144. (6000)
- " The organization of departments of speech science in universities, *Ibid.*, 2:1:64-68. (5400)
- " Editorial, "scholar vs. advocate." *Ibid.*, 1:2:207-210. (1200)
- (4) Books:
 " Expression in speech. University Press, Champaign, Illinois, 1915. Pp. 112.

ZEITLIN, JACOB

- (4) Books:
 Select prose of Robert Southey. Macmillan Co., New York, 1916. Pp. xii. 436.

ZELENY, CHARLES

- (1) Book notices:
 Senescence and rejuvenescence, by Child. *Science, N. S.*, 43:1097:28-29. (600)
- (3) Articles:
 with SENAY, O. T.
 " Variation in head length of spermatozoa in seven additional species. *J. Exp. Zool.*, 19:4:505-514. (4000)
- with MATTOON, E. W.
 " The effect of selection upon the 'bar eye' mutant of drosophila. *Ibid.*, 19:4:515-529. (6000)

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF

TION—UNIVERSITY OF ILLINOIS

MAY 1, 1916—APRIL 30, 1917

The publications of the faculty of the University of Illinois during ended April 30, 1917, are listed below under four heads, namely: (1) reviews which are of the character of book notices; (2) Book reviews are essentially original articles or contribution to the discussion of the matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

- (3) Articles:
with BEEBE, C. H.
Action of the grignard reagent on CN compounds: Synthesis of amidines from cyanamides. *J. Am. Chem. Soc.*, 38: 12: 2768.
" with WEEKS, L. F.
Action of oxalyl chloride on primary, secondary, and tertiary alcohols. *Ibid.*, 38:11:2514.

ALLEN, PAUL W.

- (3) Articles:
Comparison of the rate of multiplication of bacteria in raw milk with the rate in pasteurized milk. *J. Infec. Disease*, 19:5: 721. (1500)

ALVORD, C. W.

- (1) Book notices:
French memories of eighteenth-century America, by Charles H. Sherrill. *Miss. Val. Hist. R.*, 3:2:232. (700)
" (3) Articles:
Virginia and the west; an interpretation. *Ibid.*, 3:1:19. (6750)
" (4) Books:
The Mississippi valley in British politics. A. H. Clark, Cleveland, Ohio, 1917. pp. iv, 754. (180,000)

ARNOLD, H. C.

- (3) Articles:
Attempt to fit enamel to plastic clay bodies. *Trans. Am. Ceram. Soc.*, 18:139.
" Description of the Richardson continuous kiln. *Clayworker*, Apr., 1917.

BABCOCK, KENDRIC C.

- (1) Book notices:
Papers of James A. Bayard, ed., by Eliz. Dorman. *Am. Hist. R.*, 21:4:821. (750)
" History of education in Iowa, by C. R. Aurner, vols. iii, iv, *Ibid.*, 22:1:190. (900)
" Life story of Rasmus B. Anderson, told by himself. *Miss. Val. Hist. R.*, 3:2:255. (1200)

BABBITT, H. E.

- (3) Articles:
Administration of municipal water-works in Illinois. *Proceed. Third Ann. Con. Ill. Munic. League*, 89. (3000)

- notices:
- relationship between persistence in school and home conditions, by C. E. Holley. *School and Home Educ.*, 35:10:317. (1000)
- Object of Chester's Latin translation of the algebra of Al-Khwarizmi, by L. C. Karpinski, *Ibid.*, 36:3:77 (500)
- William Oughtred: A great seventeenth-century teacher of mathematics, by F. Cajori. *Ibid.*, 36:3:79. (800)
- " From Dartmouth to the Dardanelles; The Irish at the front, by M. MacDonagh. *Ibid.*, 36:5:144. (1100)
- " The junior high school, by A. A. Douglass. *Ibid.*, 36:8:211. (800)
- " (2) Original reviews:
- " A modern school, Abraham Flexner. *School and Home Educ.*, 35:9:281. (2000)
- " Democracy and education, by John Dewey. *Ibid.*, 10:1:5. (1000)
- " Annual report of the commissioner of education, 1915-16. (Washington) *Ibid.*, 36:7:183. (1500)
- " The passing of the great race, by Madison Grant. *Ibid.*, 36:8:232. (1500)
- " (3) Articles:
- Curricula designed for the professional preparation of teachers in American public schools. Carnegie Found. Adv. of Teach'g., pp. 48. (25,000)
- " Report on program of studies in town and city elementary graded schools. Ill. School Sur., pp. 92-146. (17,000)
- " Present-day minimal essentials in United States history as taught in the seventh and eighth grades. Year Book Nat. Soc. for Study of Educ., 1917. pp. 143-155. (1500)
- " A pedagogical estimate of the recent campaign. *School and Home Educ.*, 36:4:91. (1000)
- " A constructive program for the professional preparation of American teachers. Addr., Kansas City meeting, Nat. Coun. Educ., *Ibid.*, 36:7:185. (3700)
- " Elementary school service as a profession for college trained women. *School and Home Educ.*, 36:7. (2000)
- " Initiative, originality, and routine efficiency. *J. Educ. Psychol.*, 8:2:117. (300)
- " Minimal essentials in the preparation of teachers. Addr., Kansas City meeting Nat. Soc. for Study of Educ. *Am. Schoolmaster*, 10:3:97. (2000)
- " How can vocational efficiency be gained in the public schools? *Am. School*, 3:2:47. (2000)
- " Are the older school virtues obsolescent? Addr., Kansas City meeting, Nat. Soc. for Study of Educ., Dep't of Superintendence. *J. Educ.*, 85:17:451. (2400)
- " with Rugg, H. O.
- The content of American history as taught in the seventh and eighth grades: an analysis of typical text books. *Bul. Univ. of Ill. School of Educ.*, 16:59. (23,000)

BAILEY, E. W.

- (3) Articles:
Local cold storage problems for southern Illinois. Trans. Ill. State Hort. Soc., 50:523. (3000)

BAKER, HARRY T.

- (3) Articles:
The sensationalism of Byron. Mod. Lang. Notes, 32:249. (525)
" (4) Books:
The contemporary short story. D. C. Heath & Co., New York, 1917. pp. iii, 271.

BAKER, IRA O.

- (4) Books:
Pavements recently built in Chicago. The City of Chicago. 1916. pp. i, 49.
" Teaching of engineering subjects, chapter in college teaching. New York, 1917. (5400)

BALL, T. R.

- (3) Articles:
with SMITH, G. McP.
Heterogeneous equilibria between aqueous and metallic solutions. J. Am. Chem. Soc., 39:2:179. (15,000)

BALDWIN, EDWARD C.

- (3) Articles:
A note on Paradise Lost ix. Mod. Lang. Notes, 32:2:119. (500)
" English Section. Bul. Univ. of Ill. 14:19:164. (500)

BALLANTINE, H. W.

- (3) Articles:
The need of pleading reform in Illinois. Ill. Law Bul. 1:1. (20,000)
" Evolution of legal remedies as a substitute for strikes. Ann Am. Acad. Pol. and Soc. Sci., 140. (5000)

BARTOW, EDWARD

- (3) Articles:
Examination of drinking water on railway trains. J. Am. Water Works Assn., 2:74. (3600)
" Observations of some European water purification and sewage disposal plants. *Ibid.*, and Can. Eng., 28:497. (2600)
" Finds electrolytic lime sewage treatment little better than lime alone. Eng. Rec., 74:596. (850)
" The treatment of sewage by aeration in the presence of activated sludge. Trans. Am. Inst. Chem. Eng., 8:119. (2400)
" The latest method of sewage treatment. J. Am. Water Works Assn., 3:327. (5200)
" with MOHLMAN, F. W., and Schnellbach, J. F. ..
Activated sludge at the University of Illinois. Eng. News, 76:972. (750)

- The purification of sewage in the presence of activated sludge, Illinois. *J. West. Soc. Eng.*, 22:101. (3600)
- Operate continuous flow activated sludge plant. *Eng. Rec.*, 75:380. (800)
- “ with TANNER, F. W.
Bacteria in deep wells. *Bul. Univ. of Ill. Water Sur. Series*, 13:214. (4000)
- “ with WEILAND, H. J.
Hydrogen sulfide in the well waters of Chicago and vicinity. *Ibid.*, 13:359. (4000)
- “ (4) Books:
Chemical and biological survey of the waters of Illinois. *Bul. Univ. of Ill. Water Sur. Series*, 13:381.

BAYLEY, W. S.

- (1) Book notices:
Geology, physical and historical, by Cleland. *Econ. Geol.*, 11:6:598. (600)
- “ (3) Articles:
Discussion concerning special engineering degree in geology. *Ibid.*, 11:3:290. (350)

BEAL, GEORGE D.

- (3) Articles:
with LEWIS, HARRY F.,
Studies on the quantitative estimation of alkaloids by means of immiscible solvents. *J. Am. Pharm. Assn.*, 5:812.
- “ with MUNCIE, FRED WEAVER.
Effects of large applications of commercial fertilizers on carnations. *J. Am. Chem. Soc.*, 38:2784.
- “ with OKEY, RUTH.
The quantitative identification of drugs containing emodin. *Ibid.*, 39:716.

BEAL, J. H.

- (3) Articles:
A plea for sanity in drug legislation. *J. Am. Pharm. Assn.*, 5:11:1251. (4400)
- “ Report of commission on proprietary medicines. *Ibid.*, 5:12:1375. (3300)
- “ Supplemental report of commission on proprietary medicines. *Ibid.*, 5:12:1383. (6840)
- “ Drug trade co-operation in fire insurance. *Spec. Pub. Am. Drug. Fire Ins. Co.*, (3000)

BEARD, J. HOWARD

- (3) Articles:
College health services: their purpose and activities. *J. Sociol. Med.*, 18:159:173. (6000)

BENTLEY, MADISON

- (2) Original reviews :
 Sensation : General. Psychol. Bul., 14:3:81.
 " Movement and mental imagery, by M. F. Washburn. Phil. R. 26:
 1:92.
 " (3) Articles :
 A preface to social psychology. Psychol. Monog., 21:92:1.
 " The psychological antecedents of phrenology. *Ibid.*, 21:92:2.
 " (4) Books :
 Studies in social and general psychology from the University of
 Illinois. Psychol. R. Co., Princeton, 1916. 115.
 " Psychological Index, vol. 22. (Ed.) *Ibid.*, pp. x, 190.

BEVIER, ISABEL

- (3) Articles :
 Home economics, its opportunities and obligations. School and
 Soc., 3:73:737. (2000)
 " The development of home economics. J. Home Econ., 4:1:1.
 (3000)

BIEGLER, P. S.

See FISK, IRA W.

BILIK, S. E.

- (4) Books :
 Athletic training. University Press, Urbana, 1917. pp. i, 112.

BLACKWELDER, ELIOT

- (3) Articles :
 The geologic role of phosphorus. Am. J. of Sci., 42:285.

BLAIR, J. C.

- (3) Articles :
 Illinois, under North American states. Stand. Cyc. Hort., by
 Bailey. 4:2182. (4000)
 " Horticulture's influence upon civilization. Trans. Ill. State Hort.
 Soc., 50:129. (5000)
 " Garden Club talks (four). Bul. Univ. of Ill. Ag. and Home Econ.,
 (16 pages) (3900)

BLONDHEIM, D. S.

- (3) Articles :
 Anatole France. Mod. Phil., 14:173. (5500)
 " Additional Parallels to "Aucassin et Nicolette", vi, 26. Mod.
 Lang. Notes, 31:472. (800)

BODE, B. H.

- (3) Articles :
 Ernst Mach and the new empiricism. J. Phil. Psychol. and Sci.
 Meth., 13:11:281. (4000)
 " (4) Book :
 (joint author)
 Creative intelligence. Henry Holt & Co., New York, 1917. pp.
 iv, 467.

BOGART, E. L.

- (1) Book Notices:
 Imperial Germany and the industrial revolution, by T. Veblen.
 Miss. Val. Hist. R., 3:220. (500)
 " History of manufactures in the United States, 1607-1860, by V. S.
 Clark. Ann. Am. Acad. Pol. and Soc. Sci., 70:323. (350)
 " William Branch Giles: a study in the politics of Virginia and the
 nation from 1790 to 1830, by D. R. Anderson. Am. Econ. R.,
 6:619. (200)
 " New England and the western fur trade, 1629-1675, by A. H. Buff-
 ington. *Ibid.*, 6:620. (200)
 " The administration of President Hayes, by J. W. Burgess. *Ibid.*,
 6:620. (150)
 " Indiana: a social and economic survey, by F. D. and F. H.
 Streightoff. *Ibid.*, 6:622. (300)
 " The operation of freedmen's bureau in South Carolina, by L. J.
 Webster. *Ibid.*, 6:623. (200)
 " Pittsburgh: a sketch of its early social life, by C. W. Dahlinger.
Ibid., 6:889. (150)
 (2) Original reviews:
 A history of banking and currency in Ohio before the civil war,
 by C. C. Huntington. Am. Econ. R., 6:416. (700)
 (3) Articles:
 The finances of the European war. Bank. Mag., 92:698. (9000)

BOLE, S. J.

- (3) Articles:
 The history and status of the small fruit industry. Trans. Ill. State
 Hort. Soc. 1916, 50:102. (4000)
 " Pruning bush fruits. *Ibid.*, 50:425. (3000)

BOOTH, H. T.

See WATSON, F. R.

BOUGHTON, T. H.

- (3) Articles:
 Kidney lesions in chronic anaphylaxis. J. of Immun., 1:1:105.
 (4000)

BOYER, C. V.

- (1) Book notices:
 The evolution of technic in Elizabethan tragedy. J. Engl. and
 Germ. Phil., 15:2:305. (4000)
 (2) Original reviews:
 The villain as hero. *Ibid.*, 15:4:650. (1800)

BREDVOLD, LOUIS I.

- (2) Original reviews:
 A new legend of Leonardo. Dial, 52:143. (1500)

BRITTON, WILLIAM E.

- (3) Articles:
 Injunction to restrain breach of negative covenants. Univ. of Ill.
 Law Bul., 14:31:56. (3000)

BROCK, W. S.

(3) Articles:

Results of spraying experiments at the Neoga station, Cumberland county, 1916. Trans. Ill. State Hort. Soc., 50: 252. (6000)

" Spraying demonstrations. Trans. Ill. State Hort. Soc., 50: 541. (1500)

See also GUNDERSON, A. J.

BROOKS, N. C.

(1) Book notices:

Forschungen zur deutschen theatergeschichte des mittelalters und der renaissance, von Max Herrmann. Mod. Lang. Notes, 32:116. (1100)

" (3) Articles:

The Hans Sachs stage in the church of St. Martha. J. Engl. and Germ. Phil., 16:208. (6500)

BUCK, A. M.

(2) Original reviews:

The car development issue. Elec. Ry. J., 48:15:727. (300)

" (3) Articles:

Electric traction. Elec. R. and West. Elec., 70:1:6. (1500)

" Some tendencies in the electric railway industry. Sibley J. of Eng., 31:7:166. (2500)

" (4) Books:

Some graphic solutions of the electric railway problems. Bul Univ. of Ill. Eng. Exp. Sta., 90:36.

BULL, SLEETER

(4) Books:

Principles of feeding farm animals. Macmillan Co., New York, 1916. pp. iii, 397.

See also MUMFORD, HERBERT W.

BURGE, W. E.

See NEILL, ALMA J.

BURLISON, W. L.

(3) Articles:

Yields of different varieties of corn in Illinois. Bul. Univ. of Ill. Ag. Exp. Sta., 191. (7000)

" Yields of spring grains in Illinois. *Ibid.*, 195. (5000)

" Soybeans and cowpeas in Illinois. *Ibid.*, 198. (8000)

" Suggestions for corn club members. Ill. Ext. Circ. 7. (6500)

CANTER, H. V.

(3) Articles:

Rhetorical elements in Livy's direct speeches. Part I. Am. J. of Phil., 38:2:125. (10,650)

CARMAN, A. P.

(3) Articles:

The collapse of short thin tubes. London, Edin. and Dub. Phil. Mag., Series 6, 32:559. (plate 14)

" (4) Books:

(joint author)

Text book of physics, ed. by Duff. Blakiston, Philadelphia, 1916. pp. 309-488.

CARNAHAN, D. H.

(3) Articles:

Some sources of Oliver Maillard's sermon on the passion. *Roman R.*, 7:2:144. (9000)

" (4) Books:

The Ad Deum Vadit of Jean Gerson, Univ. of Ill. Studies in Lang. and Lit., 1917. pp. i, 145.

CLARK, ALBERT H.

(3) Articles:

Sodium sulphite and sodium carbonate. *Drug. Circ.* 60: 7: 396. (600)

" Why I went into the drug business. *Ibid.*, 60:6:349. (800)

" A method for the preparation of large quantities of volumetric solutions. *J. Am. Pharm. Assn.*, 5:7:706. (1200)

CLARK, WILLIAM ARTHUR

(3) Articles:

" Saline treatment of wounds on the western front. *Military Surgeon*, 40:3:278. (2500)

COFFEY, W. C.

(3) Articles:

Farmers will make money with sheep permanent on farm program. *The Banker-Farmer*, 4:6:5. (1200)

" Illinois needs a dog law. *Prairie Farmer*, 89:10:30. (1000)

" Will prices for mutton and wool continue to be high? *Farmer's R.*, 49:15:402. (2050)

" Shall we grow more sheep? *Ibid.*, 49:10:267. (650)

" Getting back into sheep in the corn belt. *Ibid.*, 49:12:325. (1750)

" The Hampshire sheep. *Nat. Wool Grower*, 7:3:19. (1050) and 7:4:17. (1000)

" Rambouillets in Germany. *Ibid.*, 7:5:9. (900)

" Suggestions for the lambing period. *Orange Judd Farmer*, 62:13:13. (1050)

" Share schemes of sheep keeping. *Breeder's Gaz. Apr.*, 1917. (850)

COLE, ARTHUR C.

(1) Book notices:

Studies in southern history and politics, inscribed to W. A. Dunning by his former pupils, the authors. *Miss. Val. Hist. R.*, 3:1:108. (1600)

" History of the national capitol, by W. B. Bryan, *Ibid.*, 3:3:408. (420)

" Michigan historical collections, Vol. 39. *Ibid.*, 3:4:551. (400)

(3) Articles:

Historical activities in the old north-west. *Ibid.*, 3:1:50. (10,000)

CRANE, RUFUS

(4) Books:

(joint author)

Mechanical drafting. Manual Arts Press, Peoria, 1915.

CUSHMAN, ROBERT E.

- (1) Book notices:
 City planning, by C. M. Robinson. *Pol. Sci. Q.* 31:2:327. (950)
 " The operation of the initiative, referendum and recall in Oregon, by
 J. D. Barnett. *Ibid.*, 31:3:466. (1200)
 " Torrens land transfer reports. *Nat. Munic. R.*, 6:1:152. (800)
 (3) Articles:
 Recent experience with the initiative and referendum petition. *Am.*
Pol. Sci. R., 10:3:532. (2500)

DAVENPORT, E.

- (3) Articles:
 The outlook for agricultural science. *Science*, 45:1155:149. (6500)
 " The case against the farmer: a defense. *Sat. Eve. Post*, 189:42:27.
 (4700)
 " Mobilization for food production. *Ibid.*, 189:46:24. (1900)
 " Contracting for meat production. *Breeder's Gaz.*, 71:17:869. (2000)
 " The problems of the country church. *Advance*, June 8, 1916.
 (3300)

DAVIS, D. J.

- (3) Articles:
 Hemolytic streptococci found in milk. *J. Infec. Disease*, 19:2:
 236. (5500)
 " Permeability of the gastro-intestinal wall to infection with sporo-
 thrix schenckii. *Ibid.*, 19:5:688. (1800)
 " On certain relations of the lower animals to human diseases.
Science, 44:1132:337, (3000)
 " Vaccine therapy, its possibilities and limitations. *J. Am. Med. Assn.*,
 68:159. (2500)

DAVIS, JOHN WILLIAM

- (3) Articles:
 Corona and rectification in hydrogen. *Proceed. Am. Inst. of*
Elec. Eng., 36:2:143. (5000)
 " A. C. and D. C. Corona in hydrogen. *Phys. R.*, 9:3:255. (200)

DAVIS, R. E.

- (3) Articles:
 Plane-table facilitates making station maps. *Eng. Rec.*, 74:23:674.
 (1500)
 " Topographic survey of rough wooded area. *Lefax*, 7:57:2. (1500)

DAY, WILLIAM B.

- (3) Articles:
 Biographical sketch of H. C. Christensen. *J. Am. Pharm. Assn.*,
 5:5:455. (400)
 " Prerequisite arguments. *Ibid.*, 5:9:939. (2500)
 " Biographical sketch of N. Gray Bartlett. *Ibid.*, 6:2:212. (600)
 (4) Books:
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THOMPSON, JOHN G.

(3) Articles :

- Two dimensions of productivity-discussion. *Am. Econ. R.*, 7:1:59. (375)
“ The land problem and rural welfare-discussion. *Ibid.*, 7:1:112. (600)

TICE, FREDERICK

(3) Articles :

- Some cases of diabetes mellitus with complications. *Med. Clin. of Chicago*, 2:1:13. (4255)
“ Diabetes mellitus with acidosis. *Ibid.*, 2:1:29. (2590)
“ Carcinoma of the head of the pancreas. *Ibid.*, 2:2:303. (2700)
“ Chronic bronchitis, empysema and marked cyanosis. *Ibid.*, 2:2:311. (2220)
“ Case presenting Addison's syndrome. *Ibid.*, 2:3:547. (3700)
“ Gangrene of the lung; special reference to treatment. *Ibid.*, 2:3:557. (3330)
“ Pericardio-mediastinitis secondary to acute plastic pericarditis. *Ibid.*, 2:4:657. (1110)
“ Pulmonary abscess following delayed resolution in croupous pneumonia. *Ibid.*, 2:4:661. (2960)
“ Rectal stricture following operation for hemorrhoids. *Ibid.*, 2:4:671. (740)
“ An abdominal aneurysm. *Ibid.*, 2:4:673. (2200)
“ Case of amebic dysentery. *Ibid.*, 2:4:679. (550)
“ Anaphylaxis. *Ibid.*, 2:5:863. (5920)
“ Luetic infection of the lungs. *Ibid.*, 2:6:1253. (3350)
“ Clinical study of labor pneumonia with special reference to prognosis. *Ill. Med. J.*, 30:6:388. (950)

TRELEASE, WILLIAM

(1) Book notices :

- Abstracts of American publications on systematic botany. *Botanisches Centralblatt*. (Through the year)

“ (3) Articles :

- Two new terms, cormophytaster and xeniophyte, axiomatically fundamental in botany. *Proceed. Am. Phil. Soc.*, 55:3:237.
“ Thomas Jonathan Burrill. *Bot. Gaz.*, 76:2:153. (portrait)
“ The oaks of America. *Proceed. Nat. Acad. Sci.*, 2:626.
“ *Samulla*. *Stand. Cy. Hort.*, 6:3069.
“ *Yucca*. *Ibid.*, 3529-3531.

“ (4) Books :

- The genus *phoradendron*. *Univ. of Ill., Urbana*. pp. 224. 246 plates.

VAN CLEAVE, H. J.

- (1) Book notices:
 Review of Petrunkevitch's morphology of invertebrate types, by
 Curtiss. *Science*, 45:1154:142. (600)
- " (3) Articles:
 Filicollis botulus n. sp., with notes on the characteristics of the
 genus. *Trans. Am. Micr. Soc.*, 35:2:131. (1000)
- " A revision of the genus arhythmorhynchus, with descriptions of
 two new species from North American birds. *J. Parasitol.*,
 2:4:167. (4200)
- " Acanthocephala of the genera centrorthynchus and mediorthynchus
 (new genus) from North American birds. *Trans. Am.
 Micr. Soc.*, 35:4:221. (4400)
- " Thomas Jonathan Burrill. *Ibid.*, 35:4:279. (450)
- " The relative proficiency of university students in the elementary
 course in zoology. *School and Soc.*, 5:117:356. (1650)

VAN TUYL, FRANCIS M.

- (3) Articles:
 The geodes of the Keokuk beds. *Am. J. of Sci.*, 42:34. (4000)
- " New points on the origin of dolomite. *Ibid.*, 42:249. (5600)
- " The present status of the dolomite problem. *Science*, 44:1141:
 688. (2000)
- " A contribution to the oölite problem. *J. Geol.*, 24:8:792. (1500)
- " The western interior geosyncline and its bearing on the origin
 and distribution of the coal measures. *Ibid.*, 25:2:150. (2000)
- " The lithogenesis of the sediments. *Proceed. Ia. Acad. Sci.*, 23:
 163. (1200)
- " The origin of dolomite. *Ia. Geol. Sur.*, 25:251. (54,000)
- " See also SAVAGE, T. E.

WARD, HENRY B.

- (1) Book notices:
 Die Tierischen parasiten des menchen, by Max Braun. *J. Para-
 sitol.*, 2:201. (1475)
- " The animal parasites of man, by H. B. Fantham, J. W. W. Stephens,
 F. V. Theobald. *Ibid.*, 3:139. (800)
- " Japanese medical literature. *Ibid.*, 3:42:140. (200)
- " (3) Articles:
 Notes on two free-living larval trematodes from North America.
Ibid., 3:10, 1 plate. (4450)
- " Notes on some nematodes from fresh water fishes. *Ibid.*, 3:57,
 1 plate. (3000)
- " Echinorhynchus moniliformis in North America. *Ibid.*, 3:141.
 (480)
- " Trematoda. Reference hand book of medical sciences, rev. ed., 8.

WASHBURN, E. W.

(3) Articles:

The measurement of electrolytic conductivity.

1. The theory of the design of conductivity cells. *J. Am. Chem. Soc.*, 39:11:2431. (12,000)

2. The telephone receiver as an indicating instrument for use with the alternating current bridge. *Ibid.*, 40:2:235. (4000)

WATSON, F. R.

(3) Articles:

with WHITE, JAMES M.

The correction of echoes and reverberation in the auditorium at the University of Illinois. *Bul. Univ. of Ill. Eng. Exp. Sta.*, 87.

“ with BOOTH, H. T.

An acoustical thermometer. *Phys. R.*, 9:339. (400)

WEILAND, H. J.

See BARTOW, EDWARD.

WELKER, WILLIAM H.

(3) Articles:

Recent advances in chemistry and their relation to the progress of medicine. *Univ. of Ill. Circ.*, 3:3: (2408)

with FALLS, F. H.

Studies on blood serum: the determination of non-colloidal nitrogen. *J. Biol. Chem.*, 25:3:567. (400)

WHEELER, RUTH

(1) Book notices:

Household chemistry. *J. Am. Chem. Soc.*, 39. (375)

“ (3) Articles:

The war and dietetics. *J. Home Econ.*, 8:9:488. (1000)

WHIPPLE, GUY M.

(1) Book notices:

The individual delinquent; a text book of diagnosis and prognosis for all concerned in understanding offenders, by William Healy. *J. Educ. Psychol.*, 7:454. (1000)

“ (3) Articles:

Mentality tests; a symposium. *Ibid.*, 7:357. (1200)

“ The fallacious curve. *Ibid.*, 7:297. (500)

“ School progress of gifted children. *Ibid.*, 7:298. (750)

“ The use of mental tests in vocational guidance. *Ann. Am. Acad. Pol. and Soc. Sci.*, May, 1916, 193. (4200)

“ (4) Books:

How to study effectively. Public School Pub. Co., Bloomington, Ill., 1916. pp. ii, 60.

WHITE, JAMES M.

See WATSON, F. R.

WHITFORD, ROBERT C.

- (1) Book notices:
 Madame de Staël and the spread of German literature, by Emma Gertrude Jaeck. *S. Atlant. Q.*, 15:3:282. (800)
 " The contemporary short story, by Harry T. Baker. *Educ.*, 37:6:398. (400)
 " English composition as a social problem, by S. A. Leonard. *Dial*, 62:739:316. (250)
 " St. Jean de Crevecoeur, by Julia Post Mitchell. *S. Atlant. Q.*, 16:2:179. (500)
 (3) Articles:
 Two notes of Madame de Staël. *Mod. Phil.*, 14:7:103. (1500)
 " Mothers of men (Poem). *Ajax*, 1:5:11. 9 lines.
 " Easter morning (Poem). *Ibid.*, 1:6:2. 24 lines.
 " Bathsheba (Poem). *Poetry*, 10:2:83. 15 lines.

WHITING, ALBERT L.

- (3) Articles:
 with HOPKINS, C. G.
 Soil bacteria and phosphates. *Bul. Univ. of Ill. Ag. Exp. Sta.*, 190:12 (6600). *Science*, 1129:246-249. (2300)
 " Methods of criticism of soil bacteria and phosphates. *Science*, 44:1140:649. (2400)
 (4) Books:
 Soil biology laboratory manual. John Wiley & Sons, New York, 1917. pp. ii, 152.

WILLARD, ARTHUR C.

- (4) Books:
 Mechanical equipment of buildings. vol. I. John Wiley & Sons, New York, 1916. pp. vi, 615.

WILLIAMS, CHARLES ALLYN

- (1) Book notices:
 Icelandic authors of today, by H. Hermannsson. *Pub. Soc. for Adv. of Scand. Study*, 2:279.
 " Valentin Andreae's Christianopolis, by F. E. Held. *School R.*, 24:710.
 (3) Articles:
 A German song of 1778 relating to mercenaries in America. *Deutsch-Am. Gesch.*, 15:361.

WILLIAMSON, CHARLES SPENCER

- (3) Articles:
 Influence of age and sex on hemoglobin. *Arch. of Int. Med.*, 18:505. (10,000)

WILSON, LEROY A.

- (3) Articles:
- Caution in use of pitot tube. *Power*, 44:9:311. (650) 3 fig.
- “ Action of venturi meter with pulsating flow. *Ibid.*, 44:12:425. (600) 1 fig.
- “ Abnormal speed variation in corliss engine. *Ibid.*, 44:22:764. (250) 2 fig.
- “ Accuracy of temperature determinations. *Ibid.*, 45:9:273. (500)
- “ Design of steam pipe lines. *Ibid.*, 45:14:445. (400)
- “ Operating the car without the battery. *Aut. Trade J.*, 21:1:183. (300) 1 fig.
- “ Automobile starter lock. *Ibid.*, 21:2:165. (150) 2 fig.
- “ Grinding valves. *Ibid.*, 21:3:163. (350) 3 fig.
- “ Engine trouble from loose stud bolt. *Ibid.*, 21:7:320. (150)
- “ Valve stem lubrication. *Ibid.*, 21:7:323. (175) 1 fig.
- “ Overhauling a storage battery. *Ibid.*, 21:8:259. (400) 1 fig.
- “ To seal gasoline joints. *Ibid.*, 21:8:260. (150)

WILSON, W. M.

- (3) Articles:
- The design of wind bracing in steel skeleton construction. *Hand-book for Arch and Build.*, 19:253. (4000)
- “ Things we do not know about structural engineering. *J. West. Soc. of Eng.*, 21:793. (3800)
- “ How can professional misfits in engineering be avoided? *Eng. News*, 76:388. (1200) with MOORE, H. F.
- “ Strength of webs of I-beams and girders. *Bul. Univ. of Ill. Eng. Exp. Sta.*, 86:13:50. (10,000)

WOLFE, W. S.

- (3) Articles:
- Graphical analysis of complex reinforced-concrete beams. *Eng. Rec.*, 75:12:473. (700) 14 fig.
- “ Diagram for use in designing and checking cast iron O-Gee washers. *Eng. and Cont.*, 47:13:296. (300) 1 fig.
- “ Graphical determination of the stresses in eccentrically loaded reinforced concrete columns. *Ibid.*, 47:17:386. (1000) 10 fig.

WYATT, F. A.

- (3) Articles:
- Influence of calcium and magnesium compounds on plant growths. *J. Ag. Res.*, 6:16:589. (7000)

YOUNG, C. M.

- (3) Articles:
- Mine water. *Coal Age*, 10:18:704.
- “ The pyrite found in coal. *Ibid.*, 11:1:9.

YOUNG, L. E.

- (4) Books:
 Mine taxation in the United States. Univ. of Ill. Studies in the Soc. Sci., Urbana, 1916, pp ii, 265.
 " Surface subsidence in Illinois. Bul. Ill. State Geol. Sur., 17, Urbana, 1916, 112.
 with STOEK, H. H.
 " Subsidence resulting from minning. Bul. Univ. of Ill. Eng. Exp. Sta., Urbana, 1916, pp. ii, 200.

ZEITLIN, JACOB

- (3) Articles:
 The English verbal as adverb. Neophilologus, 2:123. (2500)
 " Philosophy for school boys. Nation, 104:348. (1000)

ZELENY, CHARLES

- (3) Articles:
 Studies on the factors controlling the rate of regeneration. Ill. Biol. Monog., 3:1:1. (76,000)
 " A comparison of the rates of regeneration from old and from new tissue. Proceed. Nat. Acad. Sci., 2:8:484. (100)
 " The effect of successive removal upon the rate of regeneration. *Ibid.*, 2:8:487. (1800)
 " The effect of degree of injury, level of cut and time within the regenerative cycle upon the rate of regeneration. *Ibid.*, 3:3:211. (2600)

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION—
UNIVERSITY OF ILLINOIS

MAY 1, 1917—APRIL 30, 1918

The publications of the faculty of the University of Illinois during the year ended April 30, 1918, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

- (1) Book Notices:
A Class Book of Organic Chemistry. J. Am. Chem. Soc., XL:4:731.
- " (3) Articles:
With Wirth, W. V., French, H. E.
Oxalyl Chloride as a Reagent in Organic Chemistry. J. Am. Chem. Soc., XL:2:424.
- " The Present Opportunity in Chemistry. School Sci. and Math., 18:1:57.
- " The Present Opportunity in Chemistry. Bul. Univ. of Ill., 15:15:324.
- " Manufacture of Organic Chemicals at the University of Illinois. Science, 47:1210:225.
- " Organic Chemical Reagents for Scientific and Technical Laboratories. J. Ind. and Eng. Chem., 9:7:685.

ANDEREGG, F. O.

- (3) Articles:
Chemical Reactions in the Corona I. Ozone Formation. J. Am. Chem. Soc., 39:12:2581. (5000)

ANDREWS, J. B.

- (3) Articles:
With Handschin, W. F.
The Use of Farm Labor During the War. Univ. of Ill. Ag. Exp. Sta. Ext. Cir. No. 20 (11 p.)

BAILEY, E. W.

- (1) Book Notices:
The Apple, by Albert E. Wilkinson. Garden Club, 1:5. (350)
- " The Strawberry in North America, by S. W. Fletcher. *Ibid.*, 1:5. (300)
- (3) Articles:
" Pomological Field Laboratories. Proc. Amer. Soc. for Hort. Sci., 14:1917:104. (2000)
- " Fundamentals that Determine Peach Pruning Practice. Trans. Ill. State Hort. Soc., 51:N.S.:114. (2500)

BAKER, FRANK C.

- (3) Articles:
Notes on *Acella haldemani* (Desh.) Binney. Nautilus, 3012:135. (820)
- " Further Notes on the Mollusca of Oneida Lake, New York; The Molluscs of Lower South Bay. *Ibid.*, 31:3:81. (4200)
- " Mollusca A Garden Pest. Science, N. S., 47:1216:391. (460)

BAKER, HARRY T.

(3) Articles:

- Pot-Boiling. *The New Republic*, XI:276. (700)
 " Early English Journalism. *Sewanee R.*, XXV:396. (7000)
 " Wordsworth and Annette. *No. Am. R.*, CCVII:433. (2500)

BAKER, I. O.

(4) Books:

- " *Treatise on Roads and Pavements*, third edition, re-written and enlarged
 John Wiley and Sons, New York, 1918, pp. xi, 666.

BALDWIN, E. C.

(3) Articles:

- An Instance of Milton's Debt to the Greek Philosophers. *Classical Weekly*, 11:16:121. (2500)
 " A Note on *Il Penseroso*. *Mod. Lang. Notes*, 33:3:184. (800)
 " Milton and Ezekiel. *Ibid.*, 33:4:211. (1600)
 " A Time That Tries Men's Souls. *B'nai Brith News*, 10:3:5. (1000)
 " The Hebrew and the Greek Ideas of Life. *Sentinel*, 26:11:6. (2200)
 " The English Section. *Bul. Univ. of Ill.*, 15:15:174. (900)

BALLANTINE, HENRY W.

(1) Book Notices:

- Standards of American Legislation, by Ernst Freund. *J. Pol. Econ.*, XXV:1050. (1000)
 " *Criminal Sociology*, by Enrico Ferri. *Ill. Law R.*, XII:441. (600)
 " (3) Articles:
 Constitutional Limitations on War Powers. *Calif. Law R.*, VI:134. (7 p.)
 " Technicalities in Criminal Procedure. *Ill. Law Bul.*, I:92. (13 p.)
 " *Criminal Procedure Bill of Rights*. *Ibid.*, I:175. (4 p.)
 " A Chart of Illinois Defensive Pleading. *Ibid.*, I:5:189. (37 p.)

BAMBERGER, ARRIE

(3) Articles:

- Report of Two Unusual Cases of Fractures. *Interstate Med. J.*, XXIV: 10:954. (400)

BAYLEY, W. S.

(4) Books:

- Descriptive Mineralogy*. D. Appleton & Co., N. Y., 1917. 17, 542.

BEARD, J. HOWARD

(3) Articles:

- The Rehabilitation of the Disabled Soldier. *Interstate Med. J.*, XXV:3: 223. (2500)
 " Public Health Problems. *Trans. Ill. Acad. Sci.*, X:73. (1500)

BERNBAUM, ERNEST

(2) Original reviews:

- The Work of University Presses*. *The Nation*, August, 1917. (1750)

(4) Books:

- " Shakespeare's "King Lear". D. C. Heath & Co., N. Y., 1917. pp. xx, 218.
 " *English Poets of the Eighteenth Century*. Charles Scribner's Sons, N. Y., 1918. pp. xxxviii, 364.

BLACKWELDER, ELIOT

- (2) Original reviews:
 " Physiographic conditions and copper enrichment, by W. W. Atwood, *Econ. Geol.*, 12:6:541.
 (3) Articles:
 " The climatic history of Alaska from a new viewpoint. *Trans. Ill. Acad. Sci.*, X:275.
 " Characteristics of continental clastic and chemical deposits. *Bul. G. S. A.*, 28:4:917.

BLATT, MAURICE L.

- (3) Articles:
 " Personal Hygiene for Troops in the Field. *Ill. Med. J.*, 33:3:129. (4000)
 The Acute Infectious Diseases observed in Cook County Hospital in 1917. *Ibid.*, 33:4:203. (3000)

BLOOMFIELD, LEONARD

- (3) Articles:
 Subject and Predicate. *Trans. and Proc. Am. Philol. Assoc.*, XLVII:13. (3500)
 " The Polish Language. *Open Court* XXXI:6:372. (1000)
 " Physigunkus. *Mod. Philol.* XV:10:577. (9000)
 (4) Books:
 " Tagalog Texts with Grammatical Analysis. *Univ. of Ill. Studies in Language and Literature*, Vol. III, Nos. 2, 3, 4. Urbana, Ill., 1917. (408)

BODE, B. H.

- (1) Book Notices:
 The Morals of Monopoly and Competition, by Reed. *J. Philos. Psychol. and Sci. Meth.*, XIV:22:613. (350)
 " Kant's Teleologie, by Pekelharing. *Philos. R.*, XXVI:6:670. (500)
 (3) Articles:
 " The Nature of the Psychical. *J. Philos. Psychol. and Sci. Meth.*, XIV:11:288. (2800)
 " Why do Philosophical Problems Persist? *Ibid.*, XV:7:169. (4000)

BOGART, E. L.

- (1) Book Notices:
 Cotton as a world power, by A. B. Scherer. *Amer. Econ. R.*, 7:384. (400)
 " Economic development of modern Europe, by F. A. Ogg. *Ann. Amer. Acad. Pol. and Soc. Sci.*, 73:237. (700)
 " Transportation in the United States before 1860, by Caroline E. MacGill. *Ibid.*, 75:228. (300)
 " History of household manufactures in the United States, by R. M. Tryon. *J. Pol. Econ.*, 26:313. (500)
 " The town labourer, 1760-1862, by J. L. and B. Hammond. *Amer. Pol. Sci. R.*, 12:328. (450)
 (3) Articles:
 " The financial management of the Civil War. *Proc. West. Econ. Soc.*, June, 1917. (3500)
 " Impôts récents sur la richesse aux Etats-Unis. *R. de Sci. et de Lég. financières*, 3:2:151. (5000)

BOGART, E. L.

- (3) Articles (Cont.):
- “ The taxation of wealth. *Bankers' Mag.*, 88:177. (4500)
- “ The Population of Illinois, 1870-1910. *Proc. Ill. Statè Hist. Soc.*, Aug., 1917. (5000)
- “ Historical novels in American history. *Hist. Teacher's Mag.*, 8:226. (4000)
- “ Germany's war debt. *Com. and Fin. Chron.*, April 20, 1918. (1000)
- “ The direct costs of the present war. *Carnegie Endowment for Inter. Peace: Prelim. Econ. Stud. of the War*, No. 5, April, 1918. (13,000)
- “ Economic History of the United States. *Amer. Educ. Material Co.* (24,000)
- “ Articles contributed to the *Encyclopedia Americana.* (19,000)

BROOKS, N. C.

- (2) Original Reviews:
- The Liturgical Element in the Earliest Forms of the Medieval Drama, by Paul Erward Kretzmann. *J. Eng. and Ger. Philol.*, XVI:609. (2500)

BULL, SLEETER

- (2) Original reviews:
- with Grindley, H. S.; Emmett, A. D.; Hall, A. D.; Mumford, H. W. The Amounts of Fertilizing Constituents Excreted by Two-Year-Old Steers. *Proc. Amer. Soc. Animal Nutrition, 1915 to 1916*, 233. (3700)

BURGE, W. E.

- (3) Articles:
- The Effect of Pancreatectomy on the Catalase Content of the Tissues. *Arch. of Int. Med.*, II.
- “ Comparison of the Catalase Content of the Breast Muscle of Wild Pigeons and of Bantam Chickens. *Science*, XLVI:1192.
- “ The Role of Catalase in Acidosis. *Ibid.*, XLVII:1214.
- “ Why Chloroform is a more powerful and dangerous Anaesthetic than Ether. *Ibid.*, XLVI:1199.
- “ The Effect of Alcoholic Intoxication on Catalase. *Am. J. of Physiol.*, 45:1.
- “ Normal Mechanism for the Control of Oxidation in the Body. *Ibid.*, XLV:6.
- “ with Neill, Alma J. and Kennedy, J.
- “ The effect of thyroid feeding on the catalase content of the tissues. *Ibid.*, XLIII:3:433. (2000)
- “ See also Neill, Alma J.

CANTER, H. V.

- (3) Articles:
- Rhetorical Elements in Livy's Direct Speeches. Part II. *Am. J. Philol.* XXXIX:44. (9000)
- “ Readings for High School Teachers of Latin. *School of Educ. Bul. No. 19*, 131. (2000)

CARMAN, A. P.

- (3) Articles:
- The Collapse of Short Thin Tubes. *Univ. of Ill. Bul. Eng. Exp. Sta.*, 99.

CARMICHAEL, R. D.

- (1) Book notices:
 Ecliptic Functions, by Hancock. *Bul. Am. Math. Soc.*, 24:5:252. (560)
 Continuum, by Huntington. *Ibid.*, 24:5:254. (460)
 Math-Analysis, by Goursat-Hedricks. *Ibid.*, 24:5:255. (4000)
- (2) Original reviews:
 Additive Functions of a Point Set. *Bul. Am. Math. Soc.*, 24:7:348. (2880)
- (3) Articles:
 On a general class of series of the form $\sum C_n g(x+n)$. *Trans. Am. Math. Soc.*, 17:2:207. (13,000)
 Mathematics and Physics in the High School. *Central Assoc. Proc. for 1916, 207.* (1500)
 Provision Made by Mathematics for the Needs of Science. *Science*, 45:465. (5000)
 Note on Convergence Tests Applicable to Series Converging Conditionally. *Tohoku Math. J.*, 11:4:191. (3000)
 Examples of a Remarkable Class of Series. *Bul. Am. Math. Soc.*, 23:5:407. (6500)
 On the asymptotic character of Functions defined by Series $\sum C_n g(x+n)$. *Am. J. Math.*, 39:385. (9500)
 Elementary Inequalities for the Roots of an Algebraic Equation. *Bul. Am. Math. Soc.*, 24:6:286. (3600)
 Comparison Theorems for Homogeneous Linear Differential Equations. *Ann. Math.*, 19:3:159. (6500)
 On the representation of functions in the series of the form $\sum C_n g(x+n)$. *Am. J. Math.*, 40:2:113. (7500)

CARMICHAEL, W. J.

- (3) Articles:
 Saving the Pig that Doesn't Go to Market. *Prairie Farmer*, 90:5:9. (2200)
 Feed the Winter Hog Crop to Heavier Weights. *Ibid.*, 89:25:3. (1200)
 Soybeans—Their Use for Swine. *Farmers' R.*, L:9:226. (1800)
 How Much Corn Shall We Feed Pigs this Summer? *Prairie Farmer*, 90:7:1. (1000)
 The Self-Feeder in Pork Production. *Univ. of Ill. Ag. Exp. Sta. Cir.* 218. (4000)
 Feeding Fall Pigs for the Market. *Poland China J.*, 3:23:248. (3500)
 How Much Grain for Hogs on Forage. *Wallaces' F.*, 43:17:17. (2000)
- (4) Books:
 See Grindley, H. S.

CARPENTER, CHAS. E.

- (3) Articles:
 Court Decisions and the Common Law. *Columbia Law R.*, 17:15. (6000)
 Jurisdiction over Debts for Purposes of Administration, Garnishment, and Taxation. *Harvard Law R.*, 37:27. (12,150)

CHARTERS, W. W.

- (3) Articles:
 College Entrance German *vs.* College German. *School and Society*, VII:119. (800)
 The War and Methods of Instruction. *J. Educ. Admin. and Super.*, IV:41. (3000)

CHARTERS, W. W.

- (3) Articles (Cont.):
- “ The Project in Home Economics Teaching. *J. Home Econ.*, X:114. (2750)
- “ Changing Fashions in Dime Novel Substitutes. *Library J.*, XLIII:215. (1750)
- “ Systematic Topics, Problems, and Projects. *Proc. of Ill. State Teachers' Assoc.*, 1917. (3000)
- “ The Inadequacy of Principles of Teaching. *J. Educ. Admin. and Super.*, IV:4:215. (2500)

CHITTENDEN, E. W.

- (3) Articles:
- “ On the Equivalence of Ecart and Voisinage. *Trans. Am. Math. Soc.*, 18:2:161. (2500)
- “ On the Equivalence of Relations $K_{q_1q_2m}$. *Am. J. Math.*, 39:3:263. (3000)
- “ With A. D. Pitcher, Cleveland, O.
On the Foundations of the Calcul Fonctionnel of Fréchet. *Trans. Am. Math. Soc.*, 19:1:66. (5500)

COFFEY, W. C.

- (3) Articles:
- “ Essentials in the Selection of Beef. *Univ. of Ill. Ag. Exp. Sta. Cir.* 206.
- “ Farm Flock Management. *Nat. Wool Grower*, VII:12:15. (1000)
- “ Success in Lambing. *Am. Sheep Breeder*, 38:1:15. (1500)
- “ Ten Fundamental Lessons in Successful Sheep Raising. *Univ. of Ill. Ag. Exp. Sta. Ext. Cir.* 17.
- “ Handling The Flock During the Lambing Period. *Ibid.*, 18.
- “ Market Classes and Grades of Sheep. *Am. Sheep Breeder*, 38:2:96. (2500)
- “ Good Ewes for Lamb Clubs. *Prairie Farmer*, 90:4:6. (500)
- “ The Evaluation of Rams used in T. S. Minton's Flock of Shropshires. *Eng. Am. Sheep Breeder*, 38:4:236. (4000)
- “ A Lamb's Business. *Ibid.*, 38:4:243. (1500)
- “ Sheeping-Down Corn. *Univ. of Ill. Ag. Exp. Sta. Ext. Cir.* 21.
- “ Establishing and Managing the Farm Flock. Issued by the Nat. Sheep & Wool Bureau.
- “ Will Prices for Wool and Mutton Continue High? *Farmers' R.*, XLIX: 15:402. (2000)
- “ The Curriculum. *Am. Soc. Animal Production*. December, 1917, p. 82. (5000)

COLE, ARTHUR C.

- (1) Book notices:
- “ State socialism after the war. By Hughes. *Miss. Val. Hist. R.*, IV:1:105. (250)
- “ History of the Presidency. By Stanwood. *Ibid.*, IV:1:100. (1200)
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- " The Centennial Pageant. *Auburn Seminary Record*, 13:2:107. (2500)
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- (3) Articles:
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- (1) Book notices:
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- “ Biological Synthesis of Organic Compounds. Ill. Chemist, III:7. (1500)
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- (3) Articles:
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- “ The Right Time to Plant Vegetables. *Ibid.*, 217:4. (1800)
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- (4) Books:
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- (3) Articles:
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- “ Tristan and Perceval Caskets. Romanic R., 8:196. (2500)
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 “ War Decalogue of Italian Teachers. School and Society, 6:383. (300)
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- (3) Articles:
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MOSHER, EDNA

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- (3) Articles:
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- (3) Articles:
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- (3) Articles:
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- (3) Articles:
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- (4) Books:
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- (3) Articles:
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- (2) Original reviews:
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- “ Memory and the Learning Process. By Darwin Oliver Lyon. *J. Applied Psychol.*, 2:3. (1200)
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- (3) Articles:
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- (2) Original reviews:
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- (3) Articles:
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- (3) Articles:
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- (4) Books:
- Suggestions and References for Modern Language Teachers. Second edition revised and enlarged. *Univ. of Ill. Bul.* XIV:43. *Univ. of Ill. School of Educ. Bul.* 18, pp. viii, 84. Issued June, 1917.

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- (3) Articles:
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- “ Old and New in the Near East. *Hist. Teacher's Mag.*, VIII:79. (1200)
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- (3) Articles:
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- (4) Books:
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- (1) Book notices:
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- (2) Original reviews:
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- (3) Articles:
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- (1) Book notices:
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- (1) Book notices:
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- (3) Articles:
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- (4) Books:
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- (3) Articles:
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RAHN, CARL

- (2) Original reviews:
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 " The Significance of Psychoanalysis for the Mental Sciences. By O. Rank
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RAYNER, W. H.

- (3) Articles:
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RIETZ, H. L.

- (1) Book notices:
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 " A Statistical Study of Some Indirect Effects of Certain Selections in the
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 " A Report to the Trustees of the Carnegie Foundation by the Commission
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- (3) Articles:
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ROBERTSON, W. S.

- (1) Book notices:
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ROBERTSON, W. S.

- (3) Articles:
- “ The Holy Alliance; Its Origins and Influence. *The Hist. Teacher's Mag.*, VIII:337. (5500)
- “ Las Primeras Legaciones de los Estados Unidos en la América Latina. (Translated by Diego Mendoza). *Boletín de Historia y Antigüedades*, XI:257. (9000)
- “ España y los Estados Unidos en 1822. (Translated by Diego Mendoza). *Ibid.*, XI:412. (7500)
- “ Las Juntas de 1808 y las Colonias Españolas. (Translated by Diego Mendoza). *Ibid.*, XI:596. (5500)
- “ The Recognition of the Spanish Colonies by the Motherland. *The Hispanic Am. Hist. R.*, 1:70. (7500)
- (4) Books:
- “ Francisco de Miranda y la Revolución de la América Española. (Translated by Diego Mendoza). *National Academy of History of Colombia, Bogotá, 1918*, pp. VI, 436.

ROBINSON, MAURICE H.

- (2) Original reviews:
- Essays in *The Earlier History of American Corporations*, by Joseph Stancliffe Davis. *Am. Econ. R.*, VIII:1:139. (1200)
- (3) Articles:
- “ The Cost of Living and Wages. *Brick and Clay Record*, 52:8:693. (6000)
Also in *Clay Worker*, LXIX:4:552. (6000)

RUCKMICH, CHRISTIAN A.

- (2) Original reviews:
- The Rhythm of Prose*. By Patterson. *J. Philos. Psychol. and Sci. Meth.*, 14:24:663. (2500)
- (3) Articles:
- “ Visual Rhythm. In “*Studies in Psychology: Titchener Commemorative Volume*”, p. 231. (12,000)
- “ A Bibliography of Rhythm. (Second supplementary list). *Am. J. Psychol.*, 29:2:214. (115 titles)

RUDWIN, M. J.

- (1) Book notices:
- “ *The Dramatic Works of Hauptmann*. *Open Court*, 31:10:639. (900)
- “ Anna Owena Hoyers; a poetess of the seventeenth century. *J. Eng. and Ger. Philol.*, 16:3:470. (1000)
- (2) Original reviews:
- “ Charles Edward Whitmore's “*The Supernatural in Tragedy*”. *J. Eng. and Ger. Philol.*, 16:2:310. (3400)
- “ *The Dramatic Works of Hauptmann*. *Mod. Lang. Notes*, 32:6:369. (1500)
- (3) Articles:
- “ *Der Teufel bei Hebbel*. *Mod. Philol.*, 15:2:109. (5030)
- “ Sympathy for Poland in German Poetry. *Open Court*, 31:6:342. (4500)
- “ A Woman of Poland. *Ibid.*, 31:6:375. (2800)
- “ *Passion Play Literature*. Part III. *Bul. of Bibliography*, 10:1:6. (4000)

SALE, C. S.

(4) Books:

Economical Purchase and Use of Coal for Heating Homes. (Co-author).
Univ. of Ill. Eng. Exp. Sta. Cir. 4. (64 p.)

" Fuel Economy in the Operation of Hand Fired Power Plants. *Ibid.*, 7.
(96 p.)

SARETT, LEW R.

(2) Original reviews:

Why Candidates for Officers' Commissions Were Rejected. *Q. J. Public Speaking*, III:4:371. (1100)

(3) Articles:

" Appropriating Titles and Lectures: Legal Remedies. *Lyceum Mag.*,
XXVII:10:16. (1000)

" The Ballad of the Vampire (Poem). *Motion Picture Mag.*, XV:3:44. (96
lines.)

" The Timber Cruiser (Poem). *Am. Forestry Mag.*, 23:288:726. (26 lines.)

SAVAGE, T. E.

(3) Articles:

The Early Silurian rocks of northern Michigan. *Am. J. Sci.*, 44:59. (2200)

" The Thebes sandstone and Orchard Creek shale and their faunas in Illi-
nois. *Trans. Ill. Acad. Sci.*, 10:261. (5300)

" Relations of the loess and drift in the Canton quadrangle. *Bul. Ill. State
Geol. Survey*, 30:109. (3000)

SCHEPERLE, GERTRUDE

(3) Articles:

Irish Studies at the University of Illinois. *Studies, an Irish Q. R.*, VII:
100:112. (4440)

SCHUETTNER, A. J.

(3) Articles:

Scattered Thoughts on Athletics:

What Should the Average Young American do During his Spare Moments.
Kansas City Active, Feb., 1918. (900)

" Energy Habit. *Ibid.*, April, 1918. (850)

SCOTT, F. W.

(1) Book notices:

List of newspapers in Yale University Library. *Miss. Val. Hist. R.*,
IV:2:247. (500)

" Proceedings at the unveiling of a memorial to Horace Greeley. *Ibid.*,
IV:2:251. (600)

" Party Politics and English Journalism. *Am. Hist. R.*, XXIII:3:616. (700)

(3) Articles:

" What our Students say about us. *Bul. Ill. Assoc. Teachers of English*,
X:5:1. (2500)

SCOVILL, H. T.

(3) Articles:

The Correlation of High School and University Courses in Bookkeeping
and Accounting. *Ann. Proc. Am. Assoc. Univ. Instructors in Account-
ing for 1917*, p. 27. (5000)

(4) Books:

Farm Accounting. D. Appleton & Co., N. Y., 1918. pp. xxi, 429.

SEELEY, FRED B

(3) Articles:

The Effect of Mouthpieces on the Flow of Water through a Submerged Short Pipe. Univ. of Ill. Eng. Exp. Sta. Bul. No. 96, XIV:35:50. (11,000)

SENEAR, FRANCIS E.

(3) Articles:

Gummos Syphilis of the Thyroid Gland. Am. J. Med. Sci., CLV:5:691. (6500)

SERÍS, HOMERO

(4) Books:

Rimas de Gustavo A. Bécquer, edición revisada por Homero Serís. D. Appleton & Co., New York, 1917, pp. x, 67.

SEYMOUR, A. R.

(3) Articles:

The Brazilian Student as an International Factor in Education. El Estudiante Brasileiro, I:2:12. (1050)

“ Our Presidents. Cosmopolitan Student, VIII:2:32. (150)

“ Promotion of closer relations with our alumni. *Ibid.*, VIII:3:45. (1500)

“ Alumni Secretary' Suggestions. *Ibid.*, VIII:4:84. (600)

SHAW, JAMES B.

(1) Book notices:

Leçons de math. générale Exercices num. de math. Par L. Zoretti. Bul. Am. Math. Soc., 24:7:355. (1600)

(3) Articles:

“ The Real in Science. Sci. Monthly, 4:6:509. (12,000)

(4) Books:

“ The Philosophy of Mathematics. Open Court. Chicago, Ill., 1918, pp. 2, 206.

SHELFORD, V. E.

(3) Articles:

Physiological Similarity. Trans. Ill. Acad. Sci., 7:1:3. (500)

“ Color and Color-patterns of Tiger Beetles. Ill. Biol. Mon., 3:395. (35,000 and 32 plates)

“ Physiological Problems. J. Ecol., 5:120:220. (15,000)

“ Conditions of Existence. Ward and Whipple's Fresh Water Biology, Ch. II:21. (400)

“ Physiological Problems in the Life-histories of Animals. Am. Nat., 52:129. (8500)

“ Resistance and Reactions of Fishes. Trans. Ill. Acad. Sci., 9:224. (400)

SHERMAN, STUART P.

(2) Original reviews:

Why Mr. Roosevelt and the Rest of Us Are at War. Nation, CV:2733:532. (4500)

“ Beautifying American Literature. *Ibid.*, 105:2735:513. (2100)

SHERMAN, STUART P.

(3) Articles:

- “ W. J. Courthope. *Nation*, CIV:2709:665. (1200)
 “ Henry James. *Warner Library*, 13:8071. (8000)
 “ G. K. Chesterton. *Ibid.*, 6:3628. (3000)
 “ Cannibals and Lotus-Eaters. *Nation*, 106:2744:111. (2500)

(4) Books:

- “ On Contemporary Literature. Holt, New York, 1917. (312 p.)
 “ Cambridge History of American Literature. (Coeditor and contributor to)
 I, Putnam, New York, 1917. (584 p.)
 “ American and Allied Ideals. Com. on Pub. Inf. Washington, D. C. War
 Information Series, No. 12. (7700)

SISAM, CHAS. H.

(3) Articles:

- On two loci determined by concurrent tangents to plane curves. *Q. J. Math.*, 48:190:104. (4500)
 “ Sur l'ordre de surfaces engendrées par courbes d'un ordre donné. *Nouvelles Annales de Mathématiques*. 4:8:30. (500)

SMITH, C. M.

See Lewis, Howard B.

SMITH, FRANK

(4) Books:

- Hydra and other fresh-water Hydrozoa. Ward and Whipple *Fresh-Water Biol.*, Chap. XI. Text figures. (3000)
 “ Aquatic earthworms and other bristle-bearing worms. *Ibid.*, XIX. Text figures. (6500)

SMITH, J. E.

(3) Articles:

- Staking Buildings at Aviation Field Much Simplified. *Eng. News Rec.*, 79:20:932. (600 and illus.)
 “ Municipal Waste Disposal by Cremation. *Ill. Munic. League*, 15:16:125. (4000)

SMITH, L. H.

(3) Articles:

- With Walworth, E. H.
 Variations in the Development of Secondary Rootlets in Cereals. *J. Am. Soc. Agronomy*, 10:1:32. (1500)
 “ With Andronesco, D. I.
 The Artificial Germination of Maize Pollen. *Trans. Ill. Acad. Sci.*, 9:95. (2500)
 “ See also Rietz, H. L.

SMITH, W. H.

(3) Articles:

- Oats in the Ration. *Farmers' R.*, XLIX:46:985. (2000)
 “ Cooperative Live Stock Association. *Ibid.*, L:10:280. (1000)

SPARKS, MARION E.

(3) Articles:

Chemical literature and its use. *Science*, 70:1216:377. (2350)

STEARNS, ALLEN E.

(3) Articles:

with Tolman, Richard C.

The Molecular Mechanism of Colloidal Behavior. *J. Am. Chem. Soc.*, XL:264. (2500)

STEBBINS, JOEL

(3) Articles:

The beginning of the astronomical day. *Popular Astronomy*, 26:3:206. (1000)

“ The aurora of March 7, 1918. *Science*, 47:1213:314. (500)

“ See also Kunz, Jakob.

STEVENS, F. L.

(1) Book notices:

Mycology and Plant Pathology. By Hershberger. (*Plant World*). *Bot. Gaz.*, 21:2:53. (680)

“ *Manual of Fruit Diseases*. By Hesler and Whetzel. *Bot. Gaz.*

(2) Original reviews:

“ *Bacteriology in Plant Pathology*. *Trans. Am. Microscopical Soc.*, 36:1:5.

“ *Problems of Plant Pathology*. *Bot. Gaz.*, 63:4:297.

“ *Spegazzinian Meliola Types*. *Ibid.*, 64:5:421. (3 pl.)

“ *Some Meliocolous Parasites and Commensals from Porto Rico*. *Ibid.*, 65:3:227. (5 fig. 2 pl.)

“ *Porto Rican Fungi Old and New*. *Ill. Acad. Sci., Ann. Rep.*, X:162:218.

STEVENSON, JOHN A.

(1) Book notices:

How to Use Your Mind. By H. D. Kitson. *J. of Applied Psychology*, 1:3:294. (500)

“ *The Psychological Methods of Testing Intelligence*. By William Stern, translated by G. M. Whipple. *Ibid.*, 1:4:389. (400)

(2) Original reviews:

“ *Advertising. Its Principles, Practice and Technique*. By Daniel Sturch. *Ibid.*, 1:3:296. (600)

(3) Articles:

“ *Correlation between Different Forms of Sensory Discrimination*. *Ibid.*, 2:1:26. (6500)

STEWART, CHAS. L.

(1) Book notices:

Outlines of Agricultural Economics: A Class-Book of Questions and Problems. *J. Pol. Econ.*, XXVI:1:104. (230)

“ *Marketing Perishable Farm Products*. *Am. Pol. Sci. R.*, XII:2:338. (200)

STOEK, H. H.

(3) Articles:

Steam-Shovel Mining of Bituminous Coal. *Am. Inst. Min. Eng.* (17,000)

“ *Storage of Bituminous Coal*. *Univ. of Ill. Eng. Exp. Sta. Cir.* 6, XV:27:192. (96,000)

STOEK, H. H.

(3) Articles (Cont.):

- “ Storage of Bituminous Coal. *Western Soc. of Engineers.* (10,000)
- “ Cost Accounting for Mine Engineers. *Coal Age*, New York, Sept., 1917. (2000)
- “ Many Kinds of Coal Storage Plants. *Black Diamond*, Chicago, Mar., 1918. (4000)
- “ Benefit of Coal Storage at the Mines. *Ibid.*, May, 1918. (1500)

TALBOT, ARTHUR N.

(3) Articles:

- Discussion on the Final Report of the Joint Committee on Concrete and Reinforced Concrete. *Trans. Am. Soc. C. E.*, 81:1202. (2000)
Also in *Proc. Am. Soc. C. E.*, 43:1370.
- “ Progress Report of the Joint Committee on Stresses in Railroad Track. *Proc. Am. Soc. C. E.*, 44:55. (85,000)
Also in *Bul. Am. Ry. Eng. Assn.*, 19:205:871.
- “ The Engineering Society and its Functions; an address before the Associated Engineering Societies of St. Louis. *J. Engineers' Club of St. Louis*, 3:82. (2500)
- “ Discussion on the Proposed Flat Slab Requirements of the Committee on Concrete and Building Laws. *Proc. Am. Concrete Inst.*, 13:404. (1500)

TANNER, FRED W.

(3) Articles:

- The bacterial examination of water. *Am. Food J.*, 12:516. (1000)
- “ A study of green fluorescent bacteria from water. *J. Bacteriology*, 3:63. (12,500)
- Studies on the bacterial metabolism of sulfur:
- I. Formation of Hydrogen sulfid from certain sulfur compounds under aerobic conditions. *Ibid.*, 2:585. (3000)
- “ II. Formation of hydrogen sulfid from certain sulfur compounds by yeast-like fungi. *J. Am. Chem. Soc.*, 40:663. (3000)

THOMPSON, CHAS. M.

(4) Books:

- History of the United States. *Sanborn and Co.*, N. Y., 1917, pp. 20, 540.

TOLMAN, RICHARD C.

(1) Book notices:

- The Nature of Matter and Electricity: An Outline of Modern Views. By Comstock and Troland. *J. Am. Chem. Soc.*, 40:2463. (600)

(3) Articles:

- “ The Molecular Mechanism of Colloidal Behaviour. I. The Swelling of Fibrin in Acids. *J. Am. Chem. Soc.*, 40:1:264. (4000)
- “ A General Theory of Energy Partition with applications to Quantum Theory. *Phys. R.*, 11:4:261. (4200)
- “ Scientists and the War. *Ill. Chem.*, 3:1:9. (1200)

(4) Books:

- “ The Theory of the Relativity of Motion. *Univ. of Calif. Press*, Berkeley Calif., 1917, pp. 4, 221.

TOMLINSON, C. W.

- (3) Articles:
 The Middle Paleozoic Stratigraphy of the Central Rocky Mountain Region. *J. Geol.*, 25:2,3,4:112, 244, 373. (20,000)
 " The Aurora Borealis of March 7, 1918, at Urbana, Illinois. *Science, N. S.*, 47:1212:291. (550)

TRELEASE, WILLIAM

- (3) Articles:
 Naming American Hybrid Oaks. *Proc. Am. Phil. Soc.*, 56:1:44.
 " Two leaf fungi of Cyclamen. *Trans. Ill. Acad. Sci.*, 9:143.
 " The Chestnut in Illinois. *Ibid.*, 10:143.
 (4) Books:
 " Plant Materials of Decorative Gardening. I. The Woody Plants. Pub. by Author, Urbana, 1917, pp. 204.
 " Catalog-record of Woody Plants for use with Plant Materials of Landscape Gardening. Pub. by Author, Urbana, 1917.

VAN CLEAVE, H. J.

- (1) Book notices:
 The Psychology of Drawing with Special Reference to Laboratory Teaching. By Fred Carleton Ayre. *J. Educ. Admin. and Super.*, 3:5:298. (500)
 (3) Articles:
 " The Acanthocephala of North American Birds. *Abstract Anatomical Record*, 14:1:103. (200)
 " Observations on Seasonal Distribution and Longevity of Some Acanthocephala from Fresh Water Hosts. *Trans. Ill. Acad. Sci.*, 9:223. (300)
 " The Acanthocephala of North American Birds. *Trans. Am. Micro. Soc.*, 37:1:19. (7000)

VAN HORNE, JOHN

- (3) Articles:
 Spanish Texts and the Spanish Language. *Mod. Lang. J.*, II:4:170. (2250)
 " Comment on Some Posthumous Poems and Fragments of Leopardi. *Mod. Lang. Notes*, XXXIII:3:154. (3500)

WAHLIN, G. E.

- (3) Articles:
 On the principal units of an Algebraic Domain. *Bul. Am. Math. Soc.*, XXIII:10:450. (1200)

WARD, HENRY B.

- (1) Book notices:
 Notes—*Schistosoma mansoni*; *Davainea formosa*. *J. Parasitol.*, 3:182. (400)
 " The Clinical Pathology of the Blood of Domesticated Animals. By Samuel Howard Burnett. *Ibid.*, 4:140. (170)
 (2) Original reviews:
 " Cruise of the Corwin. By John Muir. *Miss. Val. Hist. R.*, June, 1918. (600)
 (3) Articles:
 " On the Structure and Classification of North American Parasitic Worms. *J. Parasitol.*, 4:1. (5280 and 1 pl.)

WARD, HENRY B.

- (1) Articles (Cont.):
- “ Protozoa. Wood's Ref. Hand. Med. Sci., 8:603. (3d Ed.) (42,000)
- “ The Housewife and the Fish Problem. J. Home Econ., 9:369. (1780)
- “ Charles Edward Hanaman. Trans. Am. Micros. Soc., 36:113. (700)
(Biographical.)
- “ H. Wheeler Perce. Trans. Am. Fish Soc., 46:194. (960) (Biographical.)
- (4) Books:
- “ In collaboration with a series of specialists.
Fresh Water Biology. John Wiley & Sons, Inc., New York City, 1918.
pp. xii, 1111.

WASHBURN, E. W.

- (3) Articles:
- The Determination of the Audibility Current of a Telephone Receiver with the Aid of the Wheatstone Bridge. Proc. Inst. Radio Engineers, 6:99. (2000)
- “ The Equivalent Conductance of Electrolytes in Dulite Aqueous Solution. I. The Water Correction. J. Am. Chem. Soc., 40:106. (5800)
- “ The Equivalent Conductance of Electrolytes in Dilute Aqueous Solutions. II. The Extrapolation of Conductivity Data to Zero Concentration. *Ibid.*, 40:122. (3200)
- “ The Equivalent Conductance of Electrolytes in Dilute Aqueous Solutions. IV. Two Laws Governing the Ionization Equilibrium of Strong Electrolytes in Dilute Solutions and a New Rule by Means of which the Equivalent Conductance at Infinite Dilution can be Determined from a Single Conductance Measurement. *Ibid.*, 40:150. Also Proc. Nat'l Acad. Sci., 3:569. (2500)
- “ The Latent Heats of Fusion of Lime and Magnesite. Trans. Am. Ceram. Soc., 19:195. (1700)
- “ Ceramics and the War. Metallurgical and Chem. Eng., 18:253. (2700)
- “ The Organization of our Ceramic Resources for National Service. Clay-worker, 69:542. (1600)

WATKINS, GORDON

- (1) Book notices:
- Collective Bargaining in the Lithographic Industry. By H. E. Hoagland, Am. Pol. Sci. R., XII:2:337. (100)
- “ Contemporary Theories of Unemployment, and Unemployment Relief. By Frederick C. Mills. *Ibid.*, XII:2:337. (100)
- (4) Books:
- “ A Survey of the Revenue System of Delaware County, Pennsylvania; With Especial Reference to the Methods of Assessment and Collection of Taxes. Champaign, Ill., 1918, pp. 80.

WATSON, F. R.

- (3) Articles:
- Recent Developments in Acoustics of Buildings. School Sci. and Math., XVII:680. (1700)
- “ Acoustics of Buildings from the Standpoint of Music. Proc. of Music Teachers' Nat. Assoc., 12:72. (1550)
- “ A Megaphone with a Rectangular Aperture. Physical R., IX:2:244. (Abs. 500)

WELKER, WM. H.

(3) Articles:

With Frederick H. Falls

Studies on Blood Serum. II. The Influence of Pancreatic Digestion on the Proteolytic Activity and the Non-Colloidal Nitrogen Content. *J. Biol. Chem.*, 32:3:509. (1432)

“ Studies on Blood Serum. III. The Influence of Pregnancy on the Proteolytic Activity. *Ibid.*, 32:3:515. (503)

“ Studies on Blood Serum. IV. The Influence of the Puerperium on the Proteolytic Activity. *Ibid.*, 32:3:519. (613)

“ Studies on Blood Serum. V. Proteolytic Activity as Affected by “So Called Antitryptic Adsorbents.” *Ibid.*, 32:3:521. (1001)

WESTERGAARD, H. M.

(3) Articles:

The Resistance of a Group of Piles. *W. Soc. Eng., J.*, 22:704. (3800 and diagrams.) Also in *Canadian Engineer*, 34:320.

WHEELER, LUCILE

(3) Articles:

The Place of the Market Basket in a High School Course in Foods. *Bul. Univ. of Ill.*, 14:19:158.

“ Corn and Corn Products Used as Food. *Univ. of Ill. Ext. Cir. No. 9*, p. 19.

“ Wheatless Muffins. *Am. Cookery Mag.*, 22:8:596.

“ Conservation and Club Work. *J. Home Econ.*, 10:3:120.

WHITE, E. A.

(3) Articles:

A Study of the plow bottom and its action upon the furrow slice. *J. Ag. Research*, XII:4:149. (5000)

“ The farm machinery situation. *Univ. of Ill. Ag. Exp. Sta. Cir. No. 210*. (1700)

“ Relation of tractor to horse in farm work. *Farm Imp. News*, 39:5:42. (2000)

“ Extension of power farming education. *Ibid.*, 39:13:22. (1200)

“ Machinery preparedness for the big drive. *Power Farming*, 27:4:8. (1200)

WHITFORD, ROBT. C.

(1) Book notices:

English Biography. By Waldo H. Dunn. *So. Atlan. Q.*, XVI:4:374. (550)

(4) Books:

“ *Madame de Staël's Literary Reputation in England*. *Univ. of Ill. Studies in Lang. and Lit.*, IV:1. pp. 60.

WILEY, C. C.

(3) Articles:

Concentration of Expansion Stresses due to Imperfect Grouting the Cause of Brick Pavement Failures. *Munic. Eng.*, LIII:5:180. (850)

“ Tests Show Advantages of Laying Brick Directly on Concrete Base. *Eng. News Rec.*, 79:18:820. (2500)

“ Old Sand-Filled Brick Pavement Retain Monolithically. *Munic. Eng.*, LIII:5:207. (300)

“ Who is to Blame? *Ibid.*, LIII:4:158. (350)

“ Some of the Phenomena of Road Drainage. *Am. City*, XVIII:4:301. (2300)

WILLARD, ARTHUR C.

(3) Articles:

The Economical Purchase and Use of Coal for Heating Homes with Special Reference to Conditions in Illinois. Univ. of Ill. Eng. Exp. Sta. Cir. No. 4, 14:46. (58 p.)

" Heating, Cooking, and Laundry Equipment of the National Army Cantonnments. W. Soc. Eng. J., 22:10:682. (8000 and 7 illus.)

" With Lichty, L. C.

A Study of the Heat Transmission of Building Materials. *Ibid.*, No. 102. 15:12. (60 p.)

(4) Books:

" Mechanical Equipment of Buildings. Vol. II. Power Plants and Refrigeration. John Wiley and Sons, Inc., New York, 1917, pp. vii, 759.

WILLIAMS, C. A.

(2) Original reviews:

Max Steidel. "Die Zecher und Schlemmerlieder im deutschen Volksliede bis zum Dreissigjahrigen Kriege." Karlsruhe, 1914. J. Eng. and Ger. Philol., 17:295.

(3) Articles:

" Peter Laurenberg and Fischart (note). Mod. Lang. Notes, 32:120.

" German Stanzas from Joh. Werlin's "Rhythmorum Varietas". *Ibid.*, 32:146.

" An Early German Student Song from a Vatican MS. J. Eng. and Ger. Philol., 17:214.

WILLIAMS, LEWIS W.

(1) Book notices:

Establishing Industrial Schools. By H. R. Smith. J. Educ. Admin. and Super., 3:10:612. (300)

(2) Original reviews:

" Science Teaching. By Geo. R. Twiss. J. Educ. Admin. and Super., 3:10:602.

(3) Articles:

" Preliminary Report on the Standardization of the Physics Unit. Proc. H. S. Conference, 1917. Bul. 19, School of Educ., 15:15:318. (2500)

WILSON, LEROY A.

(3) Articles:

Trouble with Long Intake Pipe. Automobile Trade J., XXI:12:258. (300)

" Lowering the Grade of Gasoline. Automobile and Automotive Industries, XXXVII:12:511. (300)

" Removal of Inaccessible Stud. Automobile Trade J., XXII:5:187. (125 and illus.)

" Some Notes on Electrical Dynamometer Installation. Sibley J. Eng., 32:2:24. (1800 and illus.) Also in Aerial Age Weekly, 6:16:700.

" Protecting the Shock Absorbers. Automobile Trade J., XXII:6:285. (400)

WINDSOR, P. L.

(3) Articles:

Standardization of libraries and certification of librarians. Bul. Am. Library Assoc., 11:4:135. (3800)

" The Association of American Library Schools. *Ibid.*, 11:4:160. (1100)

WOLFE, W. S.

(3) Articles:

- Diagrams Facilitate Design of Office Building and Mill Building Columns under Eccentric Load. *Eng. News Rec.*, 78:13:632.
- “ Graphical Analysis of Stresses in Complex Column Sections. *Eng. and Contr.*, 47:21:472.
- “ The Graphical Determination of the Moment of Inertia of Complex Beam Sections. *Ibid.*, 47:26:577.
- “ Graphical Determination of the Maximum Moments Produced in a Turntable. *Ibid.*, 48:4:72.
- “ Graphical Solution of Continuous Beams. *Ibid.*, 48:13:244.
- “ A Simple Method of Designing a Double Reinforced Concrete Beam. *Ibid.*, 48:17:329.
- “ Diagram for use in Designing Timbers, Columns. *Ibid.*, 48:22:436.
- “ Graphical Method of Finding Moments in Continuous Frame of a Girder and Two Fixed Columns. *Ibid.*, 49:4:76.

YOUNG, C. M.

(3) Articles:

- Boiler Room Ventilation. *Coal Age*, XII:187. (300)
- “ Method of Stocking Coal with Motor Trucks. *Black Diamond*, LIX:108. (2000)
- “ On the Recovery of Coal. *Coal Age*, XII:454. (1200)
- “ Convict Labor in Mines. *Ibid.*, XII:692. (900)
- “ The Coal Industry of Illinois. *Am. Inst. Min. Engineers*, Bul. 129:1369. (8000)
- “ Valuable By-Products of Coal Mining. *Coal Ind.*, I:11. (1800)
- “ Heating of Coal in Piles. *Am. Inst. Min. Engineers*, Bul. 134:211. (1000)
- “ Shotfiring re Explosions. *Coal Age*, XIII:430. (500)
- (4) Books:
- “ Percentage of Extraction of Bituminous Coal with Special Reference to Illinois Conditions. *Univ. of Ill. Eng. Exp. Sta., Urbana*, 1917, pp. 159.

ZEITLIN, JACOB

(2) Original reviews:

- Rise of English Literary Prose. By Knapp. *J. Eng. and Ger. Philol.*, XVI:484. (5000)
- (3) Articles:
- “ Grammar, Logic, Rhetoric. *Bul. Ill. Assoc. Teachers of English*, X:3:1. (6000)
- “ Southey's Contributions to the Critical Review. *Notes and Queries*, Ser. 12:77:35. (7000)

ZELENY, CHARLES

(3) Articles:

- Full-eye and emarginate eye from bar-eye in *Drosophila* without change in the bar gene. *Anatomical Rec.*, 14:89. (250)
- “ Selection for high facet and for low facet number in the bar-eyed race of *Drosophila*. *Ibid.*, 14:91. (250)

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
UNIVERSITY OF ILLINOIS

MAY 1, 1918—APRIL 30, 1919

The publications of the faculty of the University of Illinois during the year ended April 30, 1919, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(3) Articles:

- Organic chemicals available at the University of Illinois.
J. Am. Chem. Soc. 40:869. (3p.)
with Kamm, O.
Organic chemical reagents, I. Dimethylglyoxime. *Ibid.* 40:1281.
(9p.)
with Kamm, O. and Marvel, C. S.
Organic Chemical reagents, II. Amylene, tertiary amyl alcohol.
Ibid. 40:1950. (6p.)
Alkali insoluble phenols. *Ibid.* 41:247. (23p.)
with Vollweiler, E. H.
The reaction between acid halides and aldehydes, I. *Ibid.*
40:1732. (12p.)
with Rindfus, R. E.
Cyclic ethers from o-allyl phenols. *Ibid.* 41:648. (17p.)

ALEXANDER, CHARLES P.

(3) Articles:

- New nearctic crane-flies (tipulidae, diptera). Part V.
Can. Ent., 50:158-165; 242-246.
A new interpretation of the wing-venation of the pediciine
crane-flies (tipulidae, diptera). Ent N., 29:201-205. (Pl.)
New species of tipuline crane-flies from Eastern Asia. (tipulidae,
diptera). J. N. Y. Ent. Soc., 26:2:66-75.
New species of crane-flies from California. (diptera). Ent. N.,
29:285-288.
New nearctic crane-flies (tipulidae, diptera). Part VI.
Can. Ent., 50:381-386; 411-416.
Records of Japanese crane-flies (diptera). Ann. Ent. Soc. Am.,
11:4:443-449.
Notes on the genus *dicranoptycha osten sacken* (tipulidae, dip-
tera.) Ent. N., 30:19-22.
The biology of the North American crane-flies. Part V. The
genus *dicranoptycha osten sacken*. Pomona Coll. J. Ent. and
Zool., 11:4:67-74.
Notes on the crane-flies of the Hawaiian Islands. Ann. Ent.
Soc. Am., 12:25-30.

ALVORD, C. W.

(1) Book notices :

- "Manuscripts from the Burton historical collection", by Burton.
Miss. Val. Hist. R., 5:2:222. (350)
"President Wilson's foreign policy," by Scott. *Ibid.* 5:3:347.
(600)

BAKER, FRANK C.

(2) Original reviews :

The animal world is a handful of algae. Guide to Nature,
10:12:376. (1930)

(3) Articles :

A new variety of fresh-water mussel from Oneida Lake, New
York. N. Y. State Coll. of Forestry, Syracuse Univ. Tech-
nical Publication, No. 9:247. (380)

The relation of shellfish to fish in Oneida Lake, New York.
Ibid. Cir. 21, (34p.) (16 illus.)

Post-glacial mollusca from the marls of Central Illinois. *J. Geol.*,
26:7:659. (4350)

Descriptions of a new species and variety of planorbis from
post-glacial deposits. *Nautilus*, 32:3:94. (1000)

Mollusks infested with parasitic worms. *Ibid.*, 32:3:97. (325)

Nidification of gillia and amnicola. *Ibid.*, 32:1:19. (2000)

(4) Books :

The productivity of invertebrate fish food on the bottom of
Oneida Lake. with special reference to mollusks. N. Y.
State Coll. of Forestry, Syracuse Univ., 1918. (265 p.) (44
plates and maps).

BAKER, IRA O.

(3) Articles :

Water in road construction. *Am. City*, 20:4:331. (2400)

(4) Books :

Revision and extension of Section 6 of American Civil Engi-
neers' Pocket Book. John Wiley and Sons, New York, 1919.
(92p.)

BALDWIN, E. C.

(3) Articles :

Early American literature. *Warner Library*, 10:10:443. (2800)

The English section. *Univ. of Ill. Bul.* 16:12:174. (500)

Israel and world peace. *B'nai B'rith News*, 11:6:8. (700)

Hebrew humanitarianism. *Ibid.*, 11:4:7. (600)

Wordsworth and Hermes. *Pub. Mod. Lang. Assn. of Am.*, 533:2.
(2000)

A Christian's call to Israel, *Supplement*, 1:2:4. (500)

BALDWIN, J. H.

see Rice, John B.

BALLANTINE, HENRY W.

- (1) Book notices:
 Handbook of military law, by Scott. Ill. Law R., 14:1. (June, 1919)
 Source book of military law, by Wigmore. *Ibid.* 14:1. (June, 1919)
- (2) Original reviews:
 The army and the law, by Glenn. Ill. Law R., 1. (June, 1919).
- (3) Articles:
 Title by adverse possession. Harvard Law R., 32:135-159.
 Claim of title in adverse possession. Yale Law J., 219:235.
 The proposed new practice act. Ill. Law Bul., 2:149:162.
 Adverse possession by trustee. Yale Law J., 28:488:491.

BAMBERGER, ARRIE

- (3) Articles:
 Acute septic infections of the fingers. Mod. Med., 1:1:43. (900)

BEAL, GEORGE D.

- (3) Articles:
 with Okey, Ruth.
 A proximate analysis of rumex crispus, and a comparison of its hydrox-methyl-anthra-quinones with those from certain other drugs. J. Am. Chem. Soc., 41:4:693-706.
 Chemistry's opportunity in pharmaceutical research. J. Am. Pharm. Assn., 8:4:260-267.

BEARD, J. HOWARD

- (3) Articles:
 Physical rejection for military service: some problems of reconstruction. Sci. Monthly, 9:1:5. (6000)
 The finding of the draft and its relation to school problems. Proc. H. S. Conf. 1918, p. 262. (4000)
 with Radebaugh, G. H.
 First aid for factories and plants. Am. Machinist, 50:3:109. (3000)

BLACKWELDER, ELIOT

- (3) Articles:
 Notes on the summer birds of upper Yukon region, Alaska. Auk 36:1:57.

BLUMBERG, HENRY

- (3) Articles:
 A theorem on semi-continuous functions. Bul. Am. Math. Soc., 24:8:381. (1400)
 A theorem on exhaustible sets connected with developments of positive real numbers. Ann. Math., 20:2:136. (2000)
 On convex functions. Trans. Am. Math. Soc., 20:1:40. (1800)
- (4) Books:
 with Barnet, I. A.
 A short course in trigonometry for navy men. Y. M. C. A., U. S. Naval Training Station, Great Lakes, Ill., 1918, pp. 1, 22.

RODE, B. H.

(3) Articles :

- Consciousness as behavior. *J. Philos., Psychol. and Sci. Meth.*, 15:17:449. (1800)
 Mr. Russell and philosophic method. *Ibid.*, 15:26:701. (4200)
 What is transfer of training? *School and Soc.*, 9:211:39. (3800)
 A reinterpretation of transfer of training. *Educ. Admin. and Super.*, 5:3:105. (3200)

BOYER, C. V.

(1) Book notices :

Village literature in England. *Nation*, 108:2802:402. (2100)

(2) Original reviews :

The trend of recent critical theory. *Sewanee R.*, 21:3:257. (6000)

BROTHERS, ELMER D.

(3) Articles :

- Our first war with Germany—the American Revolution. *Hamiltonian*, 19:Nos. 3, 4, 5, 6. (12000)
 Political unity of the English-speaking people. *Ibid.* Apr., 1919. (3600)

BUCKINGHAM, B. R.

(3) Articles :

- Bureau of educational research: an announcement. *School and Home Educ.* 38:17-19. (2070)
 Bureau of educational research: announcement, 1918-1919. *Univ. of Ill. Bul.* 16:5. (9150)

BULL, SLEETER

see Grindley, H. S.

BURGE, W. E.

(3) Articles :

- Normal mechanism for the control of oxidation in the body. *Am. J. Physiol.*, 46:No. 2.
 Further study on the effect of food in increasing oxidation. *Ibid.* 47:No. 1.
 The influence of the ingestion of the amino-acids, adequate and inadequate proteins upon the production of catalase. *Ibid.*, 47:No. 3.
 How food and exercise increase oxidation in the body. *Science*, N. S., 48:No. 1233.
 Reason for the helpful effect of alcoholic beverages in diabetes, states of depression and convalescence. *Ibid.*, 48:No. 1239.
 The substitution of saccharin for sugar. *Ibid.*, 47: No. 1248.
 The mode of action of certain stimulants in increasing and of certain depressants in decreasing oxidation. *J. Pharmacol. and Exp. Ther.* 12:No. 4.
 The value of saccharin as a food in diabetes. *Med. Rec.*, Dec. 21, 1918.
 The effect of acetone and of hydroxybutyric and acetoacetic acids on the blood catalase. *J. Biol. Chem.*, 37:No. 3.

BURLISON, W. L.

(3) Articles :

- with White, E. A.
 Selection and storage of seed corn. Univ. of Ill. Ag. Exp. Sta.
 Cir. 225. (5000)
- with Handschin, W. F.
 Grow more wheat in Illinois. *Ibid.*, Cir. 24. (2800)
- with Stark, R. W.
 Spring wheat for Illinois. *Ibid.*, Bul. 214. (2000)
- with Flint, P. W.
 Fight the chinch bug with crops. *Ibid.*, Cir. 30. (5000)
- with Brooks, W. I.
 Sweet clover production, *Ibid.*, Cir. 29. (3000)
- More wheat for Illinois next year. O. Judd Farmer, 65:July
 27, 1918. (1500)
- Rye a worth whiel crop for Illinois. *Ibid.*, 65:July 20, 1918.
 (1200)
- What is a good seed bed. *Ibid.*, 66:Feb. 1, 1919. (800)
- Soy beans gain popularity. *Ibid.*, 66:Mar. 1, 1919. (1500)
- see Dungan, George H.

CANTER, H. V.

see Oldfather, W. A.

CAPPS, A. G.

(3) Articles :

- Cooperative study of the rural schools of Missouri. 69th Rep.
 of Public Schools of State of Mo., 36-95. (30,000)
- Consideration of the general educational conditions in Missouri.
 Mo. School J., 36:3:100-105. (3000)
- Comparison of Missouri's town and rural schools. *Ibid.*, 36:4:
 147. (2000)
- Organization and administration of Education in Missouri. *Ibid.*
 36:5:197. (3500)
- Survey of the rural schools of Boone County, Missouri. *Ibid.*,
 36:2:61. (1600)

CARMICHAEL, R. D.

(1) Book notices :

- Electrical and Magnetic measurements, by C. M. Smith. Bul.
 Am. Math. Soc., 25:2:91. (200)
- Elements of optics, by G. W. Parker. *Ibid.*, 25:5:234. (400)

(2) Original reviews :

- Functions of two complex variables. Bul. Am. Math. Soc.,
 24:9:446. (3200)
- A half-century of French mathematics. *Ibid.*, 25:4:180. (1700)
- Points of view of Cauchy and Weierstrass in the theory of
 functions. *Ibid.* 25:5:230. (1900)
- Modular systems. *Ibid.*, 25:6:276. (1100)

CARMICHAEL, R. D. (Cont.) :

(3) Articles :

Solutions of a class of functional equations. *Tohoku Math. J.*,
13 :4 :304. (5000)

Theory of summable series. *Bul. Am. Math. Soc.*, 25 :3 :97.
(14000)

Motives for the cultivation of mathematics. *Sci. Monthly*,
8 :2 :160. (8900)

Fermat numbers. *Am. Math. Monthly*. 26 :4 :137. (5500)

CARMICHAEL W. J.

see Rice, John B.

CARNAHAN, D. H.

(3) Articles :

The financial difficulties of Lamartine. *Mod. Philol.* 16 :3 :143.
(2800)

CHARTERS, W. W.

(3) Articles :

The administration of methods of teaching. *Educ. Admin. and
Super.*, 4 :5 :237. (3200)

Preliminary observation of teaching. *Ped. Sem.*, 25 :245 :50.
(3000)

A rural school spelling study. *Mo. School J.*, 35 :9 :398. (1700)

The readjustment of school curricula. *Proc. H. S. Conf.*,
1918 :21. (5600)

CHECKLEY, J. H.

see Rice, John B.

CLARK, A. H.

(3) Articles :

Dr. A. W. Chase's nerve pills. *J. Am. Med. Assn.*, 71 :10 :884.
(800)

Research and the United States pharmacopoeia. *J. Am. Pharm.
Assn.*, 8 :1 :13. (1800)

B-Iodine products. *J. Am. Med. Assn.*, 72 :5 :365. (1200)

Natures remedy tablets. *Ibid.*, 72 :11 :815. (2000)

(4) Books :

A laboratory outline of quantitative analysis arranged for
students of pharmacy. A. H. Clark. Chicago, 1918. pp.51.

CLARK, THOMAS AAKLE

(3) Articles :

The emancipation of man. *Atlan.*, Jan. 1919. (1500)

(4) Books :

The fraternity and the undergraduate. Geo. Banta and Co.,
Menasha, Wis., 1918. pp.250.

CLEAVINGER, J. S.

(3) Articles :

The A. L. A. Library, Camp Custer, Michigan. *Mich. Lib. Bul.*,
Aug., 1918. (2300)

COBLE, A. B.

- (3) Articles:
 Concerning a method for finding a particular integral. *Am. Math. Monthly*, 26:1:12-15.
 Theta modular groups determined by point sets. *Am. J. Math.*, 40:4:317-340.

COFFEY, W. C.

- (2) Original reviews:
 Establishing and managing the farm flock. *Nat. Sheep and Wool Bur. pamphlet*, Chicago.
 Preparing for lambing time. *Prairie F.*, 91:2:47.
 Securing better prices for Illinois farm wools. *Ibid.*, May 3, 1919, p. 9.
- (3) Articles:
 Suggestions to beginners for selecting breeding sheep. *Univ. of Ill. Extension Cir. No. 26.* (9p.).
 Suggestions for sheep club leaders. *Ibid.*, *Extension Cir. No. 27.* (7p.)
- (4) Books:
 Productive sheep husbandry. *J. B. Lippincott Co.*, Philadelphia, p. 460.

COLE, ARTHUR C.

- (1) Book notices:
 Illinois in the fifties, by C. B. Johnson. *Miss. Val. Hist. R.*, 5:1:107. (380)
 Latest light on Abraham Lincoln and wartime memories, by Erwin Chapman. *Ibid.*, 5:3:348. (600)
 Invasion of the city of Washington, by J. M. Stahl. *Ibid.*, 5:4:487. (150)
 Lincoln, the politician, by T. A. Levy. *Ibid.*, 5:4:482. (250)
 Lincoln in Illinois, by Octavia Roberts. *Am. Hist. R.*, 24:2:302. (250)
 History of the American people, by C. A. Beard and W. C. Bagley. *Nation*, 107:2788:709. (300).
 The American spirit, a basis for Democracy, by Paul Monroe and Irving I. Miller. *Miss. Val. Hist. R.*, 5:4:474. (250)
- (3) Articles:
 Historical activities in the old northwest. *Miss. Val. Hist. R.*, 5:1:51. (9500)
 The passing of the frontier. *Ibid.*, 5:3:288. (7500)
 Lincoln and his wartime critics. *Hist. Teachers' M.*, 9:5:245. (3500)
 Lincoln and the presidential election of 1864. *Trans. Ill. St. Hist. Soc.*, 1917:130. (3500)
- (4) Books:
 The era of the Civil War. Vol. III, Centennial History of Illinois. *McClurg. Chicago.* 1919. pp. xiv, 499.

CREEK, H. L.

(3) Articles :

- Creation or criticism? *So. Atlan. Q.*, 17:3:207-216. (4000)
 A sufficient preparation for college composition. *Ill. Assn. Teachers of English, Bul.* 11:1. (3300)
 Philosophies of style. *J. Eng. and Ger. Philol.*, 1:23:42. (8000)

CURTIS, FLORENCE R.

(3) Articles :

- The libraries of the American state and national institutions for defectives, dependents, and delinquents. *Univ. of Minn. Studies in Soc. Sci.*, No. 13. (56p.)

CURTIS, N. C.

(3) Articles :

- The creole architecture of old New Orleans. *Arch. Rec.*, 43:5:435. (5000) (Map, 15 illus.).
 Note on J. N. DePouilly, architect. *Bldg. R.*, 8:1:19:150. (Illus.). with S. S. Labouisse
 Project for remodelling the old St. Louis hotel. *New Orleans. Ibid.*, 8:1:19:400. (Illus.).
 Immense stones used in historic edifices. *Ibid.*, 8:3:11:1200.
 S. S. Labouisse, a biographical appreciation. *Ibid.*, 3:10:700.
 Influence of New Orleans creole architecture. *Ibid.*, 8:4:19:400. with Ash, Percy
 Designs submitted in Sacramento state buildings competition. *Arch. and Engr. of Cal.*, 55:1:58. (Illus.): *Am. Arch.*, 115:2248:32. (Illus.)

DAVENPORT, EUGENE

(3) Articles :

- What patriotism requires of the farmer. *O. Judd Farmer*, 65:1:1. (1400)
 When the city boy comes to the farm. *Woman's World*, 34:6:11. (1800)
 Gambling on the unearned increment. *Country Gent.*, 83:31:11. (3500)
 A home of their own. *Ibid.*, 83:32:7. (4000)
 When Johnny comes marching home. *Ibid.*, 83:46:3. (5500)
 Yield and profit. *Ibid.*, 83:50:11. (3600)
 "Jest supposin'." *Ibid.*, 83:51:3. (3500)
 What is the matter with the milk situation. *Hoard's D., Christmas*:729. (3800)
 When the city man goes to the farm. *Country Gent.*, 84:10:17. (3500)
 Farm labor in the victory drive. *Ibid.*, 84:6:5. (3000)
 Teaching the city boy to be useful on the farm. *Ibid.*, 84:8:13. (4000)
 Producing food under contract. *Ibid.*, 84:11:3. (5000)
 Taking speculation out of food production (The Illinois Agricultural Association). *Prairie F.*, 91:4:8. (2200)

DAVENPORT, EUGENE

(3) Articles (Cont.):

- World ruin or a league of nations. *Country Gent.*, 84:18:15.
(7000)
- Organizing agriculture as a business. *Cornell Countryman*,
16:3:119. (1100)
- Wanted: A national policy in agriculture. Address before Assn.
Am. Ag. Coll. and Exp. Sta. Baltimore. Jan. 1919. Pamphlet.
(28p.).

DAVIS, D. J.

(3) Articles:

- Bacteriology of influenza. Inst. of Med. of Chicago, 1919,
2:142. (3200)
- with Pilot.
- Hemolytic streptococci in the faucial tonsil and their significance
as secondary invaders. *J. Infectious Diseases*, 24:386.
(7000)
- with Moore, J. J.
- Sporotrichosis following mouse bite. *Ibid.*, 23:252. (6000)
- Food accessory factors (vitamines) in bacterial culture. *Ibid.*,
23:248. (1500)
- Streptococci of the actinomyces granules of the tonsils. *Ibid.*,
23:562. (3500)
- Hemolytic streptococci with especial reference to their role in
acute respiratory infections. *J. Am. Med. Assn.*, 72:319.
(5000)
- Further observation on hemolytic streptococci in milk. *J. Infec-
tious Diseases*, 23:559. (1500)

DAVISON, CHARLES

(3) Articles:

- Spiral fractures of the tibia. *Am. J. Med. Sci.*, 155:3:323.
(3700.) (17 illus.).

DAY, WILLIAM B.

(3) Articles:

- Report of general secretary, American Pharmaceutical Associ-
ation. *J. Am. Pharm. Assn.*, 7:890. (1000)
- Report of membership committee, American Pharmaceutical As-
sociation. *Ibid.*, 7:1111. (500)
- The state association in war time. *Western Druggist*, Aug.
1918:34. (2000)
- Joseph Price Remington—an appreciation. *Proc. Am. Conf.
Pharm. Faculties*, 1918. (500)
- Division of future pharmacists into commercial and professional
units opposed. *Northwestern Druggist*, Nov., 1918:28.
(1000)

(4) Books:

- Meeting Illinois Pharmaceutical Association. W. B. Day. Chi-
cago. 1919, pp. 166.

DETLEFSEN, J. A.

(2) Original reviews:

The influence of excessive sexual activity of male rabbits, by Frank A. Hays. *Botanical Abstracts*, 1:2:41. (75)

Studies in the sex-ratio in man, by Adolf H. Schultz. *Ibid.*, 1:2:45. (100)

Partial self-fertilization contrasted with brother and sister mating, by Rainard B. Robbins. *Ibid.*, 1:3:88. (115)

Further studies on the modification of the germ-cells in mammals; the effect of alcohol on treated guinea-pigs and their descendants, by Charles K. Stockard and George N. Papanicolaou. *Ibid.*, 1:3:89. (200)

Pigmentation in guinea-pig hair, by Harrison R. Hunt and Sewall Wright. *Ibid.*, 1:1:8. (175)

Color inheritance in mammals. VIII, by Sewall Wright. *Ibid.*, 1:1:13. (120)

(3) Articles:

Fluctuations of sampling in a Mendelian population. *Genetics*, 3:6:599. (6000)

with Roberts, Elmer

On a back cross in mice involving three allelomorphous pairs of characters. *Ibid.*, 3:6:573. (12000)

DEWEY, K. W.

(2) Original reviews:

The lipoids in tumors of the dental system. *N. Y. Med. J.*, 107:1203. (345)

(3) Articles:

Cysts of the dental system. *Dental Cosmos*, 60:555. (5550)

A contribution to the study of the pathways of the cerebrospinal fluid, etc. *Anat. Rec.*, 15:1. (7500)

see Noyes, F. B.

see Moorehead, F. B.

DUNGAN, GEORGE H.

(3) Articles:

with Burlison, W. L.

Smutts of small grain. *Univ. of Ill. Ag. Exp. Sta. Cir.*, 228. (Sp.)

with Pieper, John

Control of important potato diseases and insect pests. *Ibid.*, Cir. 31. (Sp.)

DRURY, F. K. W.

(3) Articles:

Dramatic reminiscences (of Thatcher Howland Guild). *Guild. T. H.* The power of a god and other one-act plays, 25-39. (4000)

DUNN, HAROLD H.

(3) Articles :

with Schmidt, E. C.

Passenger train resistance. Univ. of Ill. Eng. Exp. Sta. Bul.,
16:15. (44p.)

DYAS, FREDERICK G.

(3) Articles :

with Hall.

Appendicitis at Camp Logan as a sequel to influenza and pneu-
monia. J. Am. Med. Assn., 72:726-727. (2200).Removal of abdominal tumors under local anesthesia. Surg.
Clin. of Chicago, 2:3:557.Use of the Høglund bone transplant for ununited fractures of
tibia. *Ibid.*, 2:No. 3.

ECKSTEIN, H. C.

see Grindley, H. S.

EDMONDS, J. L.

(3) Articles :

Growing drafters. Eastern Percheron Futurity, 1920. (1000)

The feet and legs of a draft horse. Percheron R., 1919. (1200)

ELDBEDGE, ARTHUR G.

(3) Articles :

Flowers that catch insects. Sci. Am., 119:4:64. (1000). (Illus.)

EMCH, ARNOLD

(3) Articles :

Proof of Pohlkes Theorem and its generalization by affinity.
Am. J. Math., 9:4:365-374.On closed curves described by a spherical pendulum. Proc. Nat.
Acad. of Sci., 4:218-221.On plane algebraic curves with given system of foci. Bul. Am.
Math. Soc., 25:157-161.On closed curves described by a spherical pendulum. Tohoku
Math. J., 15:12:146-165.

ENGER, M. L.

(3) Articles :

Large capacity well installation and operation. Eng. N. Rec.,
82:880. (1500)Methods of drilling and test results of large capacity well. Eng.
and Contr., 51:15:362. (1500)

see Talbot, Arthur N.

ERB, J. LAWRENCE

(3) Articles :

The musical awakening of today. Gen. Fed. Woman's Clubs,
Official Report 1918, 208-222; Mus. Courier, July 11, 1918,
p. 11.

ERB, J. LAWRENCE

(3) Articles (Cont.):

- Affiliation among music teachers. *Mus. Monitor*, 7:11:519-520.
 The organist's field as an educator. *Etude*, July 1918, 479.
 Holding the choir. *Ibid.*
 A message from the M. T. N. A. (two papers). *Mo. Music Teachers' Assn. Report* 1918, 11-14; *Musician*, Sept., 1918, p. 607.
 American musical problems—how they should be solved. *Mus. Observer*, 17:12:9-10.
 Report of affiliation conference. "A survey of the field." *Mus. Teachers' Nat. Assn. Proc.*, 1918, pp. 306-328.
 The problem of the public school music teacher. *Gen. Fed. M.*, 17:1:31-32.
 The value of group singing in war time. *School and Home Educ.*, 37:8:182. (1200)
 The school and the home—two dominant factors in American musical development. *Mus. Observer*, 28:2:12-15.
 Synopsis of reports from state (music teachers') associations. *Mus. Monitor*, 8:6:280.
 Department for organists (a) Organ players and organists; (b) Getting out of the rut; (c) Dollar for dollar. *Etude*, April, 1919, pp. 248-249.

EYCLESHYMER, A. C.

(4) Books:

- with others
 Manual of surgical anatomy. U. S. Government, Washington, D. C., 1918, pp. ii, 57. (390 illus.)

EVANS, FREDERICK NOBLE

(3) Articles:

- Planning the grounds of a small place. *House and Garden*, 35:4:56. (1500)

(4) Books:

- Town improvement. D. Appleton & Co., N. Y., 1919, pp. iii, 350.

FAIRLIE, JOHN A.

(1) Book notices:

- The War Cabinet: Report for 1917. *Am. Pol. Sci. R.*, 12:3:557. (200)

(3) Articles:

- American war measures. *J. Comp. Legis.*, 1918. (4000)
 British war cabinets. *Mich. Law R.*, 16:7:471. (10,000)
 A new financial system. *Nation*, 106:679. (800).
 County government in U. S. *The Americana*, 8:108. (3500)
 War Department organization. *Am. Pol. Sci. R.*, 12:699. (3000)

(4) Books:

- British War Administration. Oxford Univ. Press, New York, 1919. p. 390.

FAUST, ERNEST CARROLL

(3) Articles:

- Additions to our knowledge of *unionicola aculeata* (koenike).
Trans. Am. Micr. Soc. 37:125. (100) (1 pl.)
- A biological survey of described cercariae in the United States.
Am. Nat., 53:85. (3600)
- Eye-spots in digenea. Biol. Bul., 35:117. (3800)
- Studies on American stephanophialinae. Trans. Am. Micr. Soc.,
37:183. (6400) (2 pl.)
- Two New Crystocercous Cercariae from North America. J. Parasitol., 4:148. (2000) (1 pl.)
- A new tyroglyphid from Western Montana. Ent. N., 39:336.
(2000) (1 pl.)
- The anatomy of *teracotyle iturbei* faust, with a synopsis of
described tetracotyliform larvae. J. Parasitol. 5:69. (5500)
(1 pl.)

FITZ-GERALD, J. D.

(3) Articles:

- Bibliographical notes. Hispania, 1:2:129. (3300); 1:3:200.
(2700); 1:4:276. (3800)
- Importance of Spanish to the American Citizen. Pan American
Union, Bul. 47:3:363. (5400)
- National aspects of modern language teaching in the present
emergency. Mod. Lang. J., 3:2:49. (6200)
- Report of the interlocking committee on the coordination of
language study for the high schools of Illinois. Proc. H. S.
Conf. 1918. Univ. of Ill. Bul., 16:12:40. (6500)
- The junior high school. Hispania, 2:2:82. (1900)
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Maeterlinck's *The Burgomaster of Stilemonde*. *Nation*, 108:2806:578. (500)

(2) Original reviews:

Mr. Masefield as a playwright (Review of Masefield's "Collected plays"). *Nation*, 108:2803:432. (1500)

(3) Articles:

In a mountain park (poem). *New Republic*, 8:222:20. (24 pl.)

Mark Twain and the "Gesta Romanorum." *Nation*, 108:2803:424. (2200)

WOOLSTON, WESLEY J.

(3) Articles:

Malignancy developing in cervical stump after supra-vaginal hysterectomy. Chicago Clin., Oct., 1918.

Epidemic pneumonia in pregnancy. Effect in one hundred and one cases. Am. Med. J., 71:23:1898.

WYATT, F. A.

see Stewart, Robert.

YARROS, RACHELLE S.

(3) Articles:

Work of the social hygiene committee of the Woman's Committee, Council of National Defense. Am. J Clin. Med., Sept., 1919.

Experiences of a lecturer. Soc. Hygiene, 5:No. 2.

YOUNG, C. M.

(3) Articles:

Portable hand-made gasolene drill. Eng. N. Rec., 82:741. (350)

ZELNY, CHARLES

(3) Articles:

Germinal changes in the bar-eyed race of drosophila. Proc. Ind. Acad. Sci., 1917, 73-77. (2000)

ZEITLIN, JACOB

(1) Book notices:

Early life of Robert Southey, by Haller. J. Eng. and Ger. Philol., 18:1:148. (1200)

(3) Articles:

The conflict of parties in the Russian Revolution. Univ. of Ill. Bul., 12:27. (7000)



BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

MAY 1, 1919—APRIL 30, 1920.

The publications of the faculty of the University of Illinois during the year ended April 30, 1920, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

- (2) Original reviews:
Organic chemistry, or Chemistry of the carbon compounds by Victor von Richter. *J. Am. Chem. Soc.* 41:12. (250)
- (3) Articles:
with Ulich, L. H.
The use of oxalyl chloride and bromide for producing acid chlorides, acid bromides or acid anhydrides. III. *Ibid.*, 42:3. (5000)
with Voorhees, V.
Organic chemical reagents, IV. Preparation of alkyl iodides. *Ibid.*, 41:5. (3600)
with Marvel, C. S.
Organic chemical reagents, VI. Reagents from *n*-butyl alcohol *Ibid.*, 42:2. (4400)
with Powell, S. G.
A comparison of the activity of certain unsaturated groups with the activity of the allyl groups in certain ethers. *Ibid.*, 42:3. (4500)
- (4) Books:
with Kamm, O. and Marvel, C. S.
Organic chemical reagents. Univ. of Ill. Press, Urbana, 1919. 80 pp.

ALEXANDER, C. P.

- (3) Articles:
New nearctic crane-flies (Rhyphidae and Tipulidae). Part VII. *Can. Ent.* 51:162-172.
The crane-flies collected by the Canadian Arctic expedition, 1913-1918. *Rept. of the Can. Arctic Exped. 1913-1918, v. 3, Insects, Pt. C, Diptera, p. 30-30c.*
New nearctic species of the genus *eripotera* meigen (Tipulidae Diptera). *Bull. Brooklyn Ent. Soc.* 14:104-108.
New nearctic crane-flies (Tipulidae, Diptera). Part VIII. *Can. Ent.* 51:191-199.
Two new crane-flies from California (Tipulidae, Diptera). *Ent. News*, 30-214-215.
The crane-flies of New York. Part I. Distribution and taxonomy of the adult flies. *Cornell Univ. Agr. Exp. Sta. Memoir* 25, p. 767-993.
New species of eriopterine crane-flies from the United States (Tipulidae, Diptera). Part I. *Insecutor inscitiae* menstruus, 7:143-148.
Records and descriptions of neotropical crane-flies (Tipulidae, Diptera). Part I. *J. N. Y. Ent. Soc.* 27:132-154.
Undescribed species of Japanese crane-flies (Tipulidae, Diptera). *Ann. Ent. Soc. Am.* 12:327-348.

ALEXANDER, C. P.

(3) Articles (Cont.):

- An undescribed ptychoptera from the Western United States (ptychopteridae, diptera.) Ent. News, 31:3-4.
 New or little known tipulidae (Diptera). I. Ethiopian species. Ann. Mag. Nat. Hist. ser. 9, 5:53-62.
 Underscribed tipulidae collected by Mr. H. S. Parish in Brazil (Diptera). Ent. News, 31:70-75.
 New or little-known crane-flies from Japan (Tipulidae, Diptera). Trans. Am. Ent. Soc. 46:1-26.
 Tipulidae collected by the American Museum Congo expedition. Bull. Am. Mus. Nat. Hist. 43:9-20.
 Two undescribed pediciine crane-flies from the United States (Tipulidae, Diptera). Can. Ent. 52:78-80.
 New or little known Tipulidae (Diptera). II. Ethiopian species. Ann. Mag. Nat. Hist. ser. 9, 5:337-351.

ARMS, R. W.

(3) Articles:

- Recent progress in mine ventilation. Coal Ind. 3:2-5. (3000)
 Drinking water and morale. Eng. and Min. J. 108:453. (1000)
 The boarding house, an institution. *Ibid.*, 108:616. (1000)

BABBITT, H. E.

(3) Articles:

- Storm sewer repairs in Danville. Eng. Rec. 84:1061. (1500)
 Methods for locating leaks in pipes. *Ibid.*, 84:1054. (2500)
 Final examinations for college seniors. School and Soc. 9:778. (1000)

BAKER, F. C.

(3) Articles:

- The ecology of North American Lymnaeidae. Sci. N. S. 49:519-521. (1600)
 A new species of Physa from New York state. Nautilus, 33:11-13. (700)
 Studies in aquiculture or fresh water farming. Nat. Hist. 19:478-488. (5100) (12 fig.)
 Mollusca of the Crocker Land expedition to northwest Greenland and Grinnell Land. Bull. Am. Mus. of Nat. Hist. 41:479-517. (18000)
 Fresh water Mollusca from Colorado and Alberta. *Ibid.*, 41:527-539. (6000) (4 fig.)
 Animal life and sewage in the Genesee river, New York. Am. Nat. 54:152-161. (3400) (1 fig.)
 A new Planorbis from Illinois. Nautilus, 33:123-125. (600)
 A new form of Amnicola from the Ohio Pleistocene deposits with notes on a Physa from the same formation. *Ibid.*, 33:125-127. (650)
 Physa smithiana, new name for Physa smithii. *Ibid.*, 33:142. (150)

BAKER, I. O.

(4) Books:

Revision of Section 6, Masonry, foundations and earthwork, in American civil engineer's handbook. John Wiley and Sons, New York, 1920. (88p.)

Chapter XXV, Teaching of engineering subjects, in Klapper's College teaching. World Book Co., Yonkers-on-Hudson, N. Y. 1920. (26 p.)

BALDWIN, E. C.

(1) Book notices:

The Bible in English, a review of A book about the English Bible by J. H. Penniman. Nation, 109:2826-312. (800)

How it strikes a Christian, a review of Judaism, Christianity, and modern social ideals. Am. Israelite, 66:44:6. (600)

(3) Articles:

Israel and world peace. Supplement. 1:10:10-11. (600)

Milton and the Psalms. Mod. Philol. 17:8:97-103. (2000)

BALLANTINE, H. W.

(1) Book notices:

Treatise on title to real property by Thompson. Harvard Law R. 33:5:742-743. (500)

(3) Articles:

When are deeds testamentary. Univ. of Ill. Law Bull. 2:7:461-478. (5500)

Delivery of deeds. Illinois Abstracters' Assoc. 12:12-24. (4800)

BAMBERGER, ARRIE

(3) Articles:

Acute septic infections of the fingers. Mod. Med. 1:1:43-44. (1500)

BAUER, R. S.

(4) Books:

Essentials of the law of damages. Callaghan and Co., Chicago, 1919. III, + 510 pp.

BAYLEY, W. S.

(3) ⁷ Articles:

Kaolin in North Carolina, with a brief note on hydromica. Econ. Geol. 15:1:236-246. (3600)

Preface to Dr. Nebel's paper on The basal phases of the Duluth gabbro. *Ibid.*, 14:5:367-368. (250)

BEAL, G. D.

(3) Articles:

with Glenz, E. A.

The composition of the fruit of the Virginia creeper, *Ampelopsis quinquefolia*. J. of Indus. and Eng. Chem. 11:10:959-962.

with Hamilton, T. S.

The "Shaking-out" method for the quantitative estimation of alkaloids. II. The effect of clarification and salting out. J. of the Am. Pharm. Assoc. 9:1:9-15.

with Perry, Margaret C.

The quantities of preservatives necessary to inhibit and prevent alcoholic fermentation and the growth of molds. J. of Indus. and Eng. Chem. 12:3:253-258.

BELTING, PAUL

- (1) Book notices:
The high school failures by Francis P. Obrien. *J. of Educ. Res.* 1:3:226-228. (1000)
- (4) Books:
Development of the free public high school in Illinois to 1860. *Ill. State Hist. Soc. J. Springfield, Ill.* 1919. pp. I, 206.

BENEDICT, B. W.

- (3) Articles:
Safety instruction at the University of Illinois. *Nat. Safety News* no. 337:2-3. (3000)

BEVIER, ISABEL

- (3) Articles:
Dietary studies. *J. of Home Econ.* 12:2:63-67. (1500)
The Illinois scheme for extension work with women. *Proceedings of the 33rd Annual Convention of the Assoc. of Am. Agr'l Colleges and Experiment Stations*, pp. 271-273. (1400)

BLUMBERG, HENRY.

- (3) Articles:
On certain saltus equations. *Am. J. of Math.* 41:3:183-190. (3500)
A theorem on linear point sets. *Bull. Am. Math. Soc.* 25:8:350-353. (1300)

BODE, B. H.

- (3) Articles:
Justice Holmes on natural law and the moral ideal. *Internat. J. of Ethics*, 29:4:397-404. (3000)
Educational aims and scientific methods. *School and Soc.* 11:263:38-44. (4000)

BOGART, E. L.

- (3) Articles:
Effect of the war on labor and capital. *The Hist. Outlook*, 9:425-428. (1200)
Report of the committee on war finance of the American Economic Association. (Joint author). *The Amer. Econ. R.* 9, sup. 2, 127 pp. (37500)
Money costs of the war. *The Hist. Outlook*, 10:310-312. (1000)
Luxury taxes. *Bull. Nat. Tax Assoc.* June, 1919. 3 pp. (1000)
- (4) Books:
Direct and indirect costs of the great world war. *Preliminary economic studies of the war.* Washington, Carnegie Endowment for International Peace, 1919. 8-338 pp.

BOGART, C. L.

see Mathews, J. M.

BOYD, A. M.

- (3) Articles:
Contemporary poets: a classified list. *Bull. of Bibliog.* 10:91:134-136, (4000) 11:92:10-12. (3000) 11:93:10-12, (3000)
Hope for the rural school library. *School and Home Educ.* 39:6:133. (1000)

BRALEY, S. A.

- (3) Articles:
Bibliography on the use of cupferron as a quantitative reagent. *J. Chem. Soc.* 11:12:1144-1145. (700)

BRITTON, W. E.

- (3) Articles:
Full faith and credit-enforcement of foreign judgments for wrongful death. *Ill. Law. Bull.* 2:5:361-370. (3500)
Constitutional changes in eminent domain in Illinois. *Ibid.*, 2:7:479-514. (13000)
Eminent domain and excess condemnation. *Leg. Ref. Bur. of Ill. Constit. Conven. Bull. no. 7.* (30000)

BROCK, W. L.

see Flint, W. P.

BUCKINGHAM, B. R.

- (2) Original reviews:
Terman, L. M. The intelligence of school children. *J. of Educ. Res.* 1:2:144-147. (1651)
Buckner, C. A. Educational diagnosis of individual pupils, and Fretwell, E. K. Study in educational prognosis. *Ibid.*, 1:4:307-308. (715)
- (3) Articles:
Textbooks: their cost and improvement (editorial). *J. of Educ. Res.* 1:3:222 wwr. (1050)
Mental and physical age in relation to school administration (editorial). *Ibid.*, 1:2:139-143. (1780)
A proposed index of efficiency in teaching United States history *Ibid.*, 1:3:161-171. (4620)
Announcement. *J. of Educ. Res.* 1:1:1-4. (1080)
On the derivation of a problem test in arithmetic. *Bull. of the N. Y. Soc. for the Exper. Study of Educ.* 1:6:2-3. (963)

- (4) Books:
with Monroe, Walter S.
Bureau of educational research, College of Education, First annual report and announcement, 1919. (*Univ. of Ill. Bull.* 17:9. Oct. 27, 1919). *Univ. of Ill. Urbana*, 1919. 78 p.

BUNCH, MAMIE

- (3) Articles:
A course for home demonstration agents. *J. of Home Econ.* 11:19:430-435. (3200)

BURLISON, W. L.

- (3) Articles:
with Readhimer, J. E.
The importance of clover. *Extension Circ. Ill. no. 36*, June, 1919, 8 p. (1600)
with Stark, R. W.
Treating oats for smut. *Agric. Exp. Sta. Circ. no. 240*, Feb. 1920. 4 p. (1200)

CAMPBELL, M. H.

(3) Articles:

- Emblagaard tritomia homestead. *Holstein-Friesian World*. 17:8:36-38. (1200)
 Official testing records of pure-breds in Illinois. *Hoard's Dairyman*. 59:15:924. (1500)

CANTER, H. V.

see Oldfather, W. A.

CAPPS, A. G.

(3) Articles:

- Technique of curriculum construction. *Pro. of High School Conference*, Nov. 20, 1919. 17:13:62-68. (3720)

CARMAN, A. P.

(3) Articles:

- with Hyslop, W. H.
 An undamped wave method of determining dielectric constants of liquids. *Phys. R.* 15:3:243-244. (400)
 with Fritts, E. C.
 Experiments on osmotic-electric electromotive forces. *Phys. R.* 15:2:142-143. (600)

CARMICHAEL, R. D.

(1) Book notices:

- Ahrens, *Mathematische spiele*. *Bull. Am. Math. Soc.* 26:2:86. (200)
 Tamborrel, *Trotado elemental de goniometria*. *Ibid.*, 26:2:86. (200)

(2) Original reviews:

- History of the theory of numbers, a review of a book by L. E. Dickson. *Am. Math. Mo.* 26:3:396-403. (3800)
 The calculus of probability, a review of Casletnuvo's *Calcolo dalle probabilita*. *Bull. Am. Math. Soc.* 26:3:132-135. (1200)

(3) Articles:

- The secret (scientific poem). *Monist*, 1919. pp. 404-405. (300)
 Individuality in research. *Sci. Mo.* 9:6:514-525. (5000)
 On a general class of integrals of the form $\int_0^{\infty} \varnothing(t) g(x+t) dt$. *Trans. Am. Math. Soc.* 20:4:313-322. (5000)
 Note on convergence tests for series and on Stieltje's integration by parts. *Bull. Am. Math. Soc.* 26:3:97-102. (2400)
 Note on a physical interpretation of Stieltje's integrals. *Ibid.*, 26:3:102-105. (1000)
 The theory of relativity. *N. Y. Times*, Dec. 7, 1919. (2000)
 Conditions necessary and sufficient for the existence of a Stieltjes integral. *Pro. Nat'l Acad. Sci.* 5:551-555. (2500)
 On sequences of integers defined by recurrence relations. *Q. J. of Math.* 48:192:343-372. (12500)
 Red-displacement of spectral lines in Einstein's theory. *N. Y. Times*, Mr. 28, 1920. (2000)
 The measure of excellence in scientific activity. *Sci. Mo.* 10:4:343-359. (7500)

CARNAHAN, D. H.

- (1) Book notices:
 Histoire de France. Cours élémentaire, par Ernest Lavisse. Mod.
 Lang. J. 4:6:319-320. (700)

CLARK, A. H.

- (3) Articles:
 Iodine in liquid petrolatum. J. A. Ph. A. 8:611-612. (900)
 Barium sulphate for Roentgen-ray work. Ann. Rep. A. M. A. Chem-
 Lab. 1919:81-82. (1000)
 with Leech, P. N. and Rabak, W.
 American-made synthetic drugs. II. J. A. M. A. 73:754-759. (3500)

CLARK, T. A.

- (3) Articles:
 The fraternity situation. Banta's Greek Ex. 7:4. (1500)
 (4) Books:
 The high school boy and his problems. Macm. N. Y. 1920. 200 pp.

COBLE, A. B.

- The ten nodes of the rational sextic and of the Cayley symmetroid.
 Am. J. of Math. 41:4:243-265. (11000)

COFFEY, G. N.

- (3) Articles:
 The why of demonstrations and personal contact. Agric. Dem. Ser-
 vice, p. 1-8. (2800)

COLBY, A. S.

- (3) Articles:
 Spray schedule for fruits and vegetables. Am. Fruit Grower, 40:4:
 12-13. (4200)

COLE, A. C.

- (1) Book notices:
 The cotton kingdom by W. E. Dodd. Miss. Val. Hist. R. 6:3:421-
 422. (800)
 The anti-slavery crusade by Jesse Macy. *Ibid.*, 6:3:416-417. (800)
 (3) Articles:
 Historical activities in the old Northwest. *Ibid.*, 6:1:74-98. (8900)
 Illinois and the great war. Ill. Cent. Hist. 5:452-491. (14000)
 (4) Books:
 The constitutional debates of 1847. Ill. State Hist. Library, Spring-
 field, 1919. XXX+1018 pp.

COOPER, A. R.

- (3) Articles:
 North American pseudo-phyllidean cestodes from fishes. Ill. Biol.
 Mon. 4:4:289-541. (90000)
 A case of the inferior vena cava uniting with the azygos vein in the
 dog. Anat. Rec. 17:5:299-306. (2000)
 Glaridacris catostomi, gen. nov., sp. nov.: A cestodarian parasite.
 Trans. Am. Micros. Soc. 39:1:1-24. (10500)

CRANDALL, C. S.

- (3) Articles:
 Observations on characters of forms of *Malus*. Proc. Soc. for Hort. Sci. 1919, p. 131-135. (2300)
 The apple cross—Tolman x *Malus Toringo*. *Ibid.*, 1919, p. 60-66. (3000)

CRATHORNE, A. R.

- (1) Book notices:
 Theory of maxima and minima. H. Hancock, Bull. Am. Math. Soc. 26:4:180-182. (700)
 Empirical formulas. T. R. Running. *Ibid.*, 8:376-377. (400)
- (3) Articles:
 Correlations among high school subjects. H. S. Conf. Urbana, Ill. Pro. 1919, p. 133-138. (3500)
 Statistical study of change of mind as to life work. School and Soc. 9:28-30. (1200)
 Integral equations, Differential equations, and minor articles on mathematical topics. Nelson's Loose-leaf encyclopedia, 1920 revision sheets. (1500)
- (4) Books:
 with Reitz, H. L.
 College algebra. Rev. ed. Henry Holt and Co., N. Y. 1919
 XIII+268 pp.

CREEK, H. L.

- (3) Articles:
 Rising and falling rhythm in English verse. Mod. Lang. Assoc. of Am. Pub. 28:76-90. (4000)

CRIGLER, N. B.

- (3) Articles:
 Food calendar. Univ. of Ill. Urbana, 1919. 31 pp.

CURTIS, N. C.

- (3) Articles:
 St. Philip's church, Brunswick county, N. C. Arch. Rec. 47:2:181-187. (1500) (5 p. measured drawings).

DALBEY, NORA

see Stevens, F. L.

DAVIS, D. J.

- (3) Articles:
 Hemolytic streptococci in respiratory diseases. Ill. Med. J. Sept. 1919. (2000)
 Bacteriology of influenza. Inst. of Med. 2:4:142-150. (2500)
 Effect of KI on experimental sporotrichosis. J. Inf. Dis. 25:124-131. (2000)
 Human inoculation with *B. influenzae*. J. A. M. A. 72:1317-1318. (800)

DAVIS, R. E.

see Jordan, H. H.

DAY, H. W.

- (3) Articles:
The future of the home vegetable garden. *Trans. of the Ill. State Hort. Soc.* 53:299-303. (2000)

DAY, V. S.

- (3) Articles:
Emissivity of heat from various surfaces. *Eng. Exp. Sta. Bull.* no. 117. 40 p.

DETURK, E. E.

- (3) Articles:
Potassium-bearing minerals as a source of potassium for plant growth. *Soil Sci.* 8:4:269-301. (13000)

DESHAM, ELMER

see Stebbins, Joel

DOLCH, E. W., Jr.

- (3) Articles:
Teaching for the future. *Educ.* 40:5:263-275. (4800)
Teaching literature. *Engl. J.* 9:4:185-193. (3600)

DUNGAN, G. H.

- (3) Articles:
Plain talk on scabby grains. *Am. Coop. J.* 14:13:20. (1500)
A glimpse at the way Illinois met an emergency in seed corn. *Ill. Agric.* 24:2:85-88. 130. (2500)

EMCH, ARNOLD.

- (2) Original reviews:
Projective geometry by Veblen and Young. *Am. Math. Mo.* 26:9:194-201. (3900)
- (3) Articles:
On a certain class of rational ruled surfaces. *Pro. of the Nat. Acad. of Sci.* 5:6:222-224. (1500)

ERB, J. L.

- (3) Articles:
The university and applied music. *Assoc. Pres. and Past Presidents of Music Teachers' Assoc. Ann. Rept.* 1919. p. 8-12.
Possibilities of music in the small high school. *H. S. Conf. Urbana, Ill. Pro.* 1919. p.164-168.
Music and the state university. *Nat. Music Supervisors' Conf. Pro.* 1919. p.93-96.
Report of affiliation conference. *Music Teachers' Nat. Assoc. Pro.* 1919. p.84-90.
A national conservatory of music. *Nebraska Music Teachers' Assoc. Third Ann. Rept.* p. 43-48.
Music in the education of the common man. *Musical Q.* 5:3:308-315.
The place of the state university in the general scheme of public school education. *School Music, May-June, 1919.* p. 28-34.

EVANS, F. N.

- (3) Articles:
 The appropriateness of park features. *Park and Cemetery*. April, 1920. (1500)
 The appearance of streets and highways. *Highways Eng. and Cont.* April, 1920. p. 33-36. (2000)
 The pervasive landscape. *Ill. Agric.* April, 1920. (2000)

EYCLESHYMER, A. C.

- (3) Articles:
 Individualism in medical education. *J. Am. Med. Assoc.* 74:968-969. (1500)
 Report of committee on undergraduate and graduate degrees. *Assn. Am. Med. Coll. Pro.* March 4, 1919. p.32-38. (2000)

FAIRLIE, J. A.

- (3) Articles:
 Constitutional provisions on taxation. *Ill. Law Bull.* 2:321. (4000)
 Administrative legislation. *Mich. Law R.* 18:181. (8000)
- (4) Books:
 Constitutional convention bulletins. *Ill. Legis. Ref. Bur.* Springfield, 1920.
 No. 4. State and local finance. 116 p.
 No. 5. The short ballot. 32 p.
 No. 6. Municipal home rule. 71 p.
 No. 11. Local governments in Chicago and Cook County. 94 p.
 No. 12. County and local government in Illinois. 70 p.

FEUER, B.

see Tanner, F. W.

FILBEY, E. J.

- (3) Articles:
 The future trend of accounting instruction: accounting courses in preparation for professional practice. *The Am. Assoc. of Univ. Instructors in Accounting. Papers and Pro. of the Fourth Ann. Meet.* 4:1:49-53. (950)

FITZ-GERALD, J. D.

- (3) Articles:
 The position of Spanish in the curricula of the high schools. *Hispania*, 3:3:119. (12150)
 Bibliographical notes. *Hispania*, 3:4:217. (2000); 3:6:324. (1800)
 Report of the interlocking committee on the coordination of language study for the high schools of Illinois. *High School Conf.* 1919, *Univ. of Ill. Bul.* 17:13:44. (2200)

FLEMING, J. R.

- (3) Articles:
 Some factors influencing mine haulage. *The Coal Ind.* 3:1:19-22. (4000)

FLINT, W. P.

- (3) Articles:
 Chinch-bug barriers. Nat. Hist. Sur. Circ. 5. (2000)
 European corn-borer situation. Prairie Farmer, Aug., 1919. (2000)
 Burn the chinch-bug. Nat. Hist. Sur. Spec. Circ. (250)
 Army-worm. *Ibid.*, Circ. 7. (4000)
 Hessian-fly situation. Daily Press in about 50 papers. (1000)
 Hessian-fly conditions. Orange Judd. Jan., 1920. (400)
 European corn-borer. *Ibid.*, Feb., 1920. (1000)
 Poison baits for grasshoppers. J. Econ. Ent. 13:2. (1600)
 with Malloch, J. R.
 European corn-borer. Nat. Hist. Sur. Circ. 6. (500)
 with Brock, W. L.
 Field experiments in spraying for control of San Jose scale. Univ. of
 Ill. Exp. Sta. Circ. 239. (1500)

FLOM, G. T.

- (1) Book notices:
 Maal og minne, 1918. Scand. Studies and Notes, 5:183. (200)
 Syn of segn, 1918. 4-5. *Ibid.*, 5:183. (230)
 Troms bymaal, 1918. av Ragnvald Iversen. *Ibid.*, 5:181. (240)
 Det attributive adjektivs position i oldnorsk prosa, av Karl Ringdal,
 1918. *Ibid.*, 5:184-185. (430)
 Catalog of runic literature in the Icelandic collection of Cornell Uni-
 versity, 1918. *Ibid.*, 5:187. (200)
 The periodical literature of Iceland down to 1874, by H. Hermannsson,
 1918. *Ibid.*, 5:186-187. (140)
 Samlaren, XXXVIII, 1. *Ibid.*, 5:181. (130)
 Sprakliga uppsatser, IV, 1915. *Ibid.*, 5:182-183. (320)
 Dansk tidskrift index, III, 1918. *Ibid.*, 5:185-186. (450)
 Festskrift utgiven av Lunds Universitet vid dess Tvahundrafemtisars.
 jubileum, 1918. Scand. Studies and Notes, 5:187-188. (360)
 The American language. A preliminary inquiry into the develop-
 ment of English in the United States, by B. H. L. Mencken, 1919.
Ibid., 5:188-189. (450)
 The Flügel memorial volume, 1916. *Ibid.*, 5:185. (230)
- (2) Original reviews:
 Hirgo Pipping: Finländska ortnamm. Helsingfors, 1918. *Ibid.*
 5:202-205. (2100)
 Syntaxen i Tromsö bymaal. En kort oversight av Ragnald Iversen
 1918. J. of Engl. and Ger. Philol. 18:471-475. (3000)
 Eggjum-Stenens Indskrift med de aldre runer, av Magnus Olsen,
 Christiania, 1919. Scand. Studies and Notes, 5:(2000)
 Rasmus Rask. Folkets förere, 1919. Af Otto Jespersen. Mod,
 Lang. Notes. 35:239-244. (2500)
 The heroic legends of Denmark by Axel Olrik. Tr. by L. M. Holland-
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- (4) Books:
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- How to mend and care for belts. *Ibid.*, 5:1:28-31. (1500) (14 views)
- How I learned to use wood working tools. *Ibid.*, 5:2:96-100. (1400) (7 views)
- How I handle metal repair tools. *Ibid.*, 5:3:156-159. (1600) (8 views)
- How to patch leaky containers. *Ibid.* (1000) (14 views)
- How I use anvil tools. *Ibid.*, 5:6:358-360. (1200) (16 views)
- The tools you need to do your own pipe work. *Ibid.* (1600) (2 views)
- How to make your pipe fittings. *Ibid.*, 6:4:238-242. (1500) (10 views)
- How to repair your own water line. *Ibid.* (1400) (9 views)
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- How to use the post drill press. *Ibid.* (4000) (22 views)
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(1) Book notices:

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(3) Articles:

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- How to acquire free wrist action in Violoncello bowing. Etude, 37: 668-669. (700)
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- (3) Articles:
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- (2) Original reviews:
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(3) Articles:

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Parable of the paste pot—A discussion on the fundamentals in the
 make-up of concrete mixtures. *Concrete*, (12000)

Fundamentals in the make-up of a concrete mixture. *Eng. News-
 Record*, 82:18:869. (1200)

Discussion on surface and fineness modulus in concrete aggregates.
Pro. of the Am. Soc. for Test. Mat. 19:481. (1800)

Edgar Marburg, his more recent services. *Ibid.*, 19:52. (2000)

TANNER, F. W.

(3) Articles:

with Feuer, B.

Cultural studies on an inflection of the skin by *Endomyces alvicaus*.
Archives of Dermatology and Syphilology. 1:365-369. (3500)

TENDICK, F. H.

see Kamm, Oliver.

THOMPSON, C. M.

(4) Books:

Elementary economics. Sanborn and Co., Boston, 1919. 12+426
 pp.

TRELEASE, WILLIAM

(1) Book notices:

Current reviews of American botanical literature. *Botanische's
 Centralblatt* (through the year).

(3) Articles:

Bearing of the distribution of the Histing flora of Central America
 and the Antilles on former land connections. *Bull. Geol. Soc.
 of Am.* 29:649-656.

Botanical achievement: presidential address. *Botan. Soc. of Am. Sci.
 N. S.* 51:121-131.

ULICH, L. H.

see Adams, Roger.

VAN CLEAVE, H. J.

(3) Articles:

Acanthocephala from the Illinois River, with descriptions of species
 and a synopsis of the family Neoechinorhynchidae. *Bull. Ill.
 Nat. Hist. Survey*, 13:8:i-iv, 225-257. (15000) (7 plates)

Acanthocephala from fishes of Douglas Lake, Michigan. *Occas.
 Papers Mus. of Zool., U. of Mich.*, no. 72:1-12. (3500)

Notes on the life-cyls of two species of Acanthocephala from fresh-
 water fishes. (Abstract). *The Anatom. Rec.* 17:5:230. (250)

VAN CLEAVE, H. J.

(3) Articles (cont'd.):

- Two new genera of Acanthocephala from Venezuelan fishes. (Abstract). *Ibid.*, 17:5:234. (250)
 Acanthocephala of the Canadian Arctic Expedition, 1913-1918. Rept. of the Can. Arctic Exped. 1913-1918. 9:E:1-11. (2700) (2 plates)

VAN HORNE, JOHN

(1) Book notices:

- El estudiante de Salamanca, ed. by G. T. Northup. *Mod. Lang. J.* 4:5:257-258. (650)
 Curso práctico de español para principiantes by G. Cherubini. *Ibid.*, 4:6:316-318. (1200)
 Primer libro de lectura by G. M. Walsh. *Hispania*, 3:1:40-41. (900)
 Easy Spanish reader by J. Hatheway. *Ibid.*, 3:1:41-43. (1200)
 A Spanish reader by J. M. Pittaro. *Ibid.*, 3:1:43-45. (1100)

(3) Articles:

- The Spanish problem. *Pro. of the High School Conf. U. of I. Bull.* 17:13:270-274. (2100)
 The collection of data in modern language teaching. *Mod. Lang. J.* 4:7:357-363. (1800)

VAN TUYL, F. M.

see Savage, T. E.

VOLWILER, E. H.

see Kamm, Oliver.

VOLZ, E. C.

(3) Articles:

- Some observations on garden irrigation. *Trans. Ill. Hort. Soc.* 53: 229-235. (3000)

VOORHEES, V.

see Adams, Roger.

WARD, H. B.

(2) Original reviews:

- Animal parasites and human disease by Asa C. Chandier. *Sci.* 50: 593-594. (800)

(3) Articles:

- Methods of securing better cooperation between government and laboratory zoologists in the solution of problems of general or national importance. *Sci.* 50:4-8. (2000)
 Notes on North American Myxosporidia. *J. Parasit.* 6:2:49-64. (4000) (1 col. plate)
 Stream pollution in New York State. *State of N. Y. Con. Comm.* p. 1-78. (33000)
 Aquatic life under modern stream conditions. *The Conservationist*, 2:3:42-45. (1500)
 Stream pollution. *J. Am. Waterworks Assoc.* 6:4:823-831. (4000)

WASHBURN, E. W.

(3) Articles:

- The new international union of pure and applied chemistry. *Sci.* 50: 1292:319-321. (1500)
- Some aspects of scientific research in relation to the glass industry. *J. Am. Ceram. Soc.* 2:11:855-864. (3400)
- Note on the latent heat of fusion of crystobalite. *Ibid.*, 2:12:1007-1008. (500)
- with Read, J. W.
- The laws of "concentrated" solutions. VI. The general boiling point law. *J. Am. Chem. Soc.* 41:5:730-741. (3000)

WATKINS, GORDON

(1) Book notices:

- Problems of reconstruction by I. Lippincott. *Am. Econ. R.* 9:3:553.
- The new world order by S. Z. Batten. *Ibid.*, 9:3:607. (400)
- Industry and trade by Bishop and Kellar. *Miss. Vall. Hist. R.* 6: 3:407-408. (400)
- Labor and reconstruction in Europe by E. M. Friedman. *Am. Econ. R.* 9:4:804. (500)
- Democracy in reconstruction by Cleveland and Schafer. *Ibid.*, 9: 4:802-803. (500)

(3) Articles:

- The present status of socialism in the United States. *Atlantic M.* 124:6:821-830. (6000)
- Revolutionary communism in the United States. *Am. Pol. Sci. R.* 14:1:14-33. (6500)

WATSON, E. S.

(3) Articles:

- A cannon that saved an empire. *Phila. Public Ledger Mag.* 166: 124. (3000)
- How the Garden of the Gods got its name. *Ibid.* 166:124. (1000)

WATSON, F. R.

(3) Articles:

- A megaphone of novel design. *Sci. Am.* 120:548. (1000)
- The measurement of small alternating currents by means of a Rayleigh resonator. *Phys. R.* 13:387 (Abstract 150) also printed in *Elec. World*, 73:20.
- A project in sound. *U. of Ill. Bull.* no. 13, v. 17:300 (Abstract 500)
- Some everyday applications of acoustical principles. *School Sci. and Math.* 20:193. (1500)
- Transmission of sound through walls. *Phys. R.* 15:231 (Abstract 250)
- with Love, Beryl and Dawson, Margaret.
- The variation in sound intensity of resonators and organ pipes with blowing pressure. *Ibid.*, 14:49. (2000)

WELKER, W. H.

(3) Articles:

- A device for centrifugalization at low temperatures. *J. Lab. and Clin. Med.* 5:2:125-126. (315)

WELKER, W. H.

(3) Articles, (Contd.):

with Williamson, C. S.

Hemoglobin I. Optical constants. *J. Biol. Chem.* 41:1:75-79. (1625)

WHITING, A. L.

see Schoonover, W. R.

WILEY, C. C.

(3) Articles:

Poor brick cause pavement failure—The saving of \$50 for tests leads to failure of \$50,000 job. *Mun. and Co. Eng.* 57:5:179. (1200)Impact tests on roads. *Ibid.*, 58:2:75. (2500)What paving brick should be and do. *Brick and Clay Rec.* 54:12:1067. (2500)Depressed cross-walk connection convenient to pedestrians. *Eng. News-Rec.*, 83:6:281. (500)

WILLARD, A. C.

(3) Articles:

Cooperative research in warm air furnaces and furnace heating systems at the University of Illinois. *Am. Artisan and Hardware Rec.*, Chicago. 78:23:65-68. (3000) (illus.)

WILLARD, A. C.

(3) Articles (Cont.):

The pipeless furnace testing plant and results of efficiency and capacity tests on a pipeless furnace. *Ibid.* 79:17:54-55. (1200)A report of progress in warm-air furnace testing at the University of Illinois. *J. Am. Soc. Heat. and Vent. Eng.*, N. Y. 26:2:127-148. (10000) (illus.)

(4) Books

Report of progress in warm air furnace research. Bull. no. 112. *Eng. Exp. Sta. Univ. of Ill.* 1919. 5+58 pp. illus.

WILLIAMS, E. H.

(3) Articles:

The magnetic properties of some rare earth oxides at low temperatures. *Physical R.* 14:4:348-351. (1200)

WILLIAMSON, C. S.

(3) Articles:

Pericarditis with effusion. An experimental study. *Archives of Inter. Med.* 25:206-228. (3000)Malignant endocarditis of the pulmonary valves (with autopsy). *Med. Clinics of North Amer.* 3:1:119-148. (1000)Gout. *Ibid.*, 3:1:131-148. (7000)

with Welker, W. H.

Hemoglobin I. Optical constants. *J. Biol. Chem.* 41:1:75-79. (1625)

WILSON, L. A.

- (3) Articles:
 Minor Buick troubles. *Auto. Trade J.* 23:12:290-292. (1000)
 The psychometric chart explained. *Sibley J. of Eng.* 33:5:68-70.
 (1800)
 Air weight. *Automotive Industries.* 41:26:1278-1279. (1100)

WILSON, W. M.

see Richart, F. E.

WOOLBERT, C. H.

- (2) Original reviews:
 Principles of expressive reading by Olaf Morgan Norlie. *Q. J. of Speech Educ.* 5:3:308-311. (1500)
- (3) Articles:
 Persuasion; principles and method, III. *Ibid.*, 5:3:212-238. (13000)
 Speech training—Fact or fancy? *Annual Pro. of the Wis. State teachers Assoc.* 1919. (6000)
 Speech training and the learning process. *Q. J. of Speech Educ.* 6:1:55-75. (9000)
- (4) Books:
 The fundamentals of speech. Student Supply Store, Champaign, Ill. 1919. 264 pp.

YANCEY, H. F.

- (3) Articles:
 Some chemical data on coal pyrite. *Chem. and Met. Eng.* 22:3:105-109. (2500)
 see Fraser, Thomas.

ZELENY, CHARLES

- (3) Articles:
 The personal relation of the investigator to his problem. *Sci. N. S.* 50:1286:175-179. (3000)
 A change in the bar gene of *Drosophila* involving further decrease in facet number and increase in dominance. *J. of Gen. Physiol.* 2:1:69-71. (900)
 The mutational series, full to bar to ultra-bar. Paper read at the 17th Annual Meeting, American Society of Zoologists. *Abstract Anatom. Rec.* 17:5:336. (150)
 The tabulation of factorial values for eye facet number in the bar races of *Drosophila*. Paper read at the 17th Annual Meeting, American Society of Zoologists. *Abstract. Ibid.*, 17:5:337-338. (250)
 Forty-two generations of selection for high and low facet number in the white bar-eyed race of *Drosophila*. Paper read at the 17th Annual Meeting, American Society of Zoologists. *Abstract. Ibid.*, 17:5:338-339. (200)
 A change in the bar gene of *Drosophila melanogaster* involving further decrease in facet number and increase in dominance. *J. of Exp. Zool.* 30:3:293-324. (13000)

ZEITLIN, JACOB

- (1) Book notices:
- The iron hunter, by C. S. Osborn. *Nation*, 109:2823:178. (600)
- Sentences and thinking, by Foerster and Steadman. *Ibid.*, 109:2826:315. (350)
- Russian short stories, by Schweikert. *Ibid.*, 109:2826:315. (250)
- Bolshevik aims and ideals. *Ibid.*, 109:2831:472. (500)
- Russia's ruin, by E. H. Wilcox. *Ibid.*, 109:2831:470. (1000)
- America for British ears. *Ibid.*, 109:2836:607. (900)
- Vestigia, by Repington. *Ibid.*, 109:2834:547. (500)
- Education and autocracy in Russia, by D. B. Leary. *Ibid.*, 109:2837:640. (400)
- English speaking brotherhood and the League of Nations, by Sir Charles Walston. *Ibid.*, 109:2839. (800)
- Across the blockade, by H. N. Brailsford. *Ibid.*, 109:2840:717-718. (1200)
- Arthur Hall of Grantham, by H. G. Wright. *Ibid.*, 109:2843:830. (400)
- The Jew pays, by M. E. Ravage. *Ibid.*, 110:2846:80. (500)
- Lenin, by A. R. Williams. *Ibid.*, 110:2847:115. (500)
- Liberalism in America, by H. Sterns. *Ibid.*, 110:2851:238. (1100)
- Russian pendulum, by A. Bullard. *Ibid.*, 110:2852:268. (600)
- New words self-defined, by C. Alphonso Smith. *Ibid.*, 110:2853:305. (600)
- The bishop and other stories, by Chekhov. *Ibid.*, 110:2853:306. (450)
- Witnesses from Russia, a review of From liberty to Brest by Mrs. H. Williams; Bolshevik Russia, by E. Antonelli; Russia in 1919, by Arthur Ransome; and Open gates to Russia, by M. W. Davis. *Ibid.* 110:2856:399-400. (2000)
- Memoirs of the Russian revolution, by G. V. Lomonosoff. *Ibid.* 110:2857:435. (500)
- Russian theatre under the revolution, and Russia, white or red, by O. M. Saylor. *Ibid.*, 110:2861:596. (1500)
- On America, by Waldo Frank. *Ibid.*, 110:2861:595. (900)
- (2) Articles:
- Unionizing of professors. *Ibid.*, 109:2825:237. (1200)
- Commonplaces in Elizabethan life and letters. *J. of Engl. and Ger. Philol.* 19:1:47-65. (8000)
- The plays of Thacher Guild. *Ill. Mag.* May 1920. p. 5-7. (1500)

UNIVERSITY OF ILLINOIS
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May 1, 1920—April 30, 1921.

The publications of the faculty of the University of Illinois during the year ended April 30, 1920, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER.

- (3) Articles:
with Kamm, O. and Marvel, C. S.
Organic chemical reagents, II. Univ. of Ill. Press. (57p.)
with Bramlet, H. B. and Tendick, F. H.
Reactions of the Grignard reagent on thiocyanates. J. Am. Chem. Soc. 42:2369- (6)
with Palmer, C. S.
The reactions of the arsines; condensation of primary arsines with aldehydes. *Ibid.* 42:2375- (4)
with French, H. E.
The reaction between the acid halides and aldehydes, II. *Ibid.* 43:651- (9)
with Ulich, L. H.
The reaction between acid halides and aldehydes, III. *Ibid.* 43:660- (8)

ADOLPH, W. H.

- (3) Articles:
Premedical standards. China Med. J. 34:205-207. (1100)
with Kiang.
The nutritive value of soy bean products. Natl. Med. J. (China) 6:40-49. (3600)
with Wu.
Analytical data on the soy bean. *Ibid.* 7:30-33. (1500)

ALEXANDER, C. P.

- (3) Articles:
New Nearctic Crane-flies (Tipulidae, Diptera). Part IX. Can. Ent. 52:109-112.
New or little known Crane-flies from tropical America. *Ibid.* 52:141-144.
Undescribed African Crane-flies in the British Museum. *Ibid.* 52:145-160.
New Nearctic Crane-flies (Tipulidae, Diptera). Part X. *Ibid.* 52:224-229.
An undescribed species of Ptychoptera from West Africa. Ptychopteridae, Diptera). Entomologist, 53:101-102.

ALEXANDER, C. P.

(3) Articles (Cont.):

- Records and descriptions of neotropical Crane-flies. (Tipulidae, Diptera). II. J. N. Y. Ent. Soc. 28:1-13.
- Scientific results of the Katmai expedition of the National Geographic Society. The Crane-flies. Ohio J. of Sci. 20:193-203.
- New or little known Tipulidae (Diptera). III. Ethiopian species. Ann. Mag. Nat. Hist., London, ser. 9, 5:465-472.
- New or little known Tipulidae (Diptera). IV. Ethiopian species. *Ibid.* 7:305-322.
- Undescribed species of African Crane-flies in the collection of the British Museum (Natural history). Part I. *Ibid.* 6:1-44, 336-364.
- Undescribed species of African Crane-flies in the collection of the British Museum (Natural History) Part II. *Ibid.* 7:98-118.
- Undescribed Tipulidae (Diptera) from Western North America. Proc. Cal. Acad. Sci. ser. 4, 10:35-46.
- New or little known Crane-flies in the Queensland Museum. Mem. Queensland Mus. 7:52-63.
- An undescribed species of Clytocosmus Skuse (Tipulidae, Diptera). Proc. Linn. Soc. New South Wales, 45:184-185.
- The natural history of Juan Fernandez and Easter Island. v. 3 (3 Diptera-Tipulidae from Juan Fernandez, p. 25-27).
- A new genus and species of net-winged midge (Blepharoceridae) and an undescribed species of Tanyderidae (Diptera). Arkiv för Zoologi, Stockholm, 13:1-7.
- The Crane-flies collected by the Swedish Expedition (1895-1896) to Southern Chile and Tierra del Fuego. *Ibid.* 13:1-32.
- New or little-known Australian Crane-flies. Proc. Royal Soc. Queensland, 32:92-109.
- Undescribed Crane-flies in the Paris Museum. 1919, Part I. African species. Bull. Mus. d'Hist. Nat., Paris, p. 606-611.
- Undescribed Crane-flies in the Paris Museum. Part II. African species. *Ibid.* p. 216-219, 316-318, 403-406, 509-511.
- Undescribed Crane-flies from Argentina (Tipulidae, Diptera). Ent. News, 31:215-221.
- Undescribed Crane-flies from Argentina. Part II. *Ibid.* 31:72-76.
- Undescribed species in the Osten Sacken collection of New Zealand Crane-flies. Insec. Inscit. Menst. 8:121-133.
- New species of Japanese Crane-flies (Diptera, Tipulidae) *Ibid.* 8:134-138.
- New or little known Crane-flies from Formosa. Ann. Ent. Soc. Amer. 13:249-270.
- A new subfamily of Tanyderid flies (Diptera). *Ibid.* 13:402-407.
- New species of Crane-flies from the United States and Canada. J. Ent. and Zool. 12:85-92.
- Undescribed or little-known Crane-flies from the Pacific Islands. Bull. Brooklyn Ent. Soc. 16:9-13.

ALEXANDER, C. P.

(3) Articles (Cont'd.):

with Malloch, J. R.

Notes on the life history of a Crane-fly of the genus *Geranomyia*
Haliday. *Trans. Ill. Acad. Sci.* 13:310-319.

with McAtee, W. L.

Diptera of the superfamily Tipuloidae found in the District of Co-
lumbia. *Proc. U. S. Nat. Mus.* 58:385-435.

ANDERSON, H. W.

(3) Articles:

Diseases of Illinois fruits. *Univ. of Ill. Agr. Exp. Sta. Cir.* 241:
1-155.

Dendrophoma leaf blight of strawberry. *Univ. of Ill. Agr. Exp.*
Sta. Bull. 229.

Some factors influencing the practical control of blister canker in
apple orchards. *Proc. Am. Soc. Hort. Sci.* 17:111-118.

Control of apple blister canker. *Am. Fruit Grower*, 40:1-28.

Diseases of fruit crops in the United States in 1920. *The Plant*
Disease Bull. (U. S. D. A.) Sup. 14:1-114.

ANDREWS, J. B.

see Handschin, W. F.

ARMS, R. W.

(3) Articles:

Influence of the manufacturers on mining. *Coal Ind.* 3:6:261-262.
(1000)

Coal washing, advances and tendencies. (Two parts). *Ibid.* 4:
1:76-77, 4:2:112-114. (3000).

ATWOOD, C. A.

(3) Articles:

Wanted—The best county agent. *Ill. Agric.* 23:255-56, 276,
278. (1400)

Short articles in *Chicago Drovers J., Breeder's Gazette, Duroc Bull.*

AUSTIN, M. M.

see Parr, S. W.

BABBITT, H. E.

(3) Articles:

Locating leaks in water mains. *J. Amer. Water Works Assoc.* 7:
589-595. (2000). *Eng. and Contract.* 53:431-432. *Eng.*

News-Rec. 84:1061-1062. *Sci. Amer. M.* 2:344-345. *Mun.*
and Co. Eng. 5:184-185.

Leaping weir at Danville, Illinois. *Proc. Ill. Soc. of Eng.* 35:55—
(1000). *Eng. News-Rec.* 84:1071.

BAILEY, P. B.

see Hassin, G. B.

BAKER, F. C.

(2) Original reviews:

Baker's Life of the Pleistocene. *Auk*, 38:1:155-156. (800)

(3) Articles:

Animal life and sewage in the Genesee river, New York. *Amer. Nat.* 54:152-161. (3500)

A new planorbis from Illinois. *Nautilus*, 33:4:123-125. (675)

A new form of *Amnicola* from the Ohio Pleistocene with notes on a *Physa* from the same formation. *Ibid.* 33:4:125-127. (700)

Physa smithiana new name for *Physa smithii*. *Ibid.* 33:4:142. (100)

Animal life in loess deposits near Alton, Illinois, with descriptions of two new varieties of land shells from the same deposits. *Ibid.* 34:2:61-66. (1800)

Notes on a small collection of shells from Alaska. *Ibid.* 34:2:67-68. (600)

Pleistocene mollusca from Indiana and Ohio. *J. of Geol.* 28:7:439-457. (7300)

The museum of natural history. Sixteen years at the University of Illinois. A statistical study of the administration of President Edmund J. James, p. 199-121. (900)

The museum of natural history of the University of Illinois. *Trans. Ill. State Acad. Sci.* 12:57-63. (2800)

Effect of sewage and other pollution on animal life of rivers and streams. *Ibid.* 13:271-279. (3400)

The value of ecology in the interpretation of fossil faunas. *School Sci. and Math.* 21:4:323-327. (2000)
with Smith, Frank.

A mussel survey of the upper waters of the Vermilion river with special reference to the Salt Fork. *Trans. Ill. State Acad. Sci.* 12:129-131. (1000)

(4) Books:

The life of the Pleistocene or glacial period. *Univ. of Ill. Bull.* 17:41. 1920. XVI—476 pp.

BAKER, G. C.

see Greenfield, R. E.

BARNES, C. E.

see Dunkley, W. A.

BARTOW, EDWARD

see Habermeyer, G. C.

BAUER, R. S.

(3) Articles:

Mental suffering as an element of damage in contract. *Central Law J.* 91:138-142. (1400)

BAKER, I. O.

(3) Articles:

Wanted missionaries. *Triangle R.* 8:3:75, 83-84. (1500)

BALDWIN, E. C.

- (1) Book notices:
 Modern reader's Bible for schools—New Testament. R. G. Moulton. Nat. 111:2880:305. (500)
- (3) Articles:
 Milton and Plato's Timeaus. Pub. Mod. Lang. Assoc. 35:2:210-217. (3200)
 Jesus and the testament of Solomon. Homiletic R. 80:3:189-190. (800)
 Jewish influence upon the colonial development of Illinois. Chicago Chron. 3:32:1, 8. (2000)
 Illinois Association of Teachers of English. Engl. J. 10:2:104-105. (600)
 The English section. Univ. of Ill. Bull. 18:14:144-175. (800)

BAMBERGER, ARRIE

- (3) Articles:
 Blood transfusion in the new born. Ill. Med. J. Jan. 1921. (1000)
 Two cases of hypertrophic cirrhosis of the liver in the same family. J. of Amer. Med. Assoc. 75:743- (2000)

BAYLEY, W. S.

- (3) Articles:
 The magnetic ores of North Carolina. Their origin. Econ. Geol. 16:2:142-152. (3500)
 Kaolin in North Carolina. Econ. Geol. 15:3:236-241. (3500)

BEARD, J. H.

- (3) Articles:
 The contribution of the veterinarian to public health. The Nation's Health, 3:350-352. (4000)

BELTING, P. E.

- (3) Articles:
 Educational value of physical education. Univ. of Ill. Bull. 18:14:256-260. (5000)
 Development of high school spirit. *Ibid.* 18:14:135-140. (5000)

BENTLEY, MADISON

- (3) Articles:
 Is psychoanalysing a fad? Pitts. Dis. 76:59:6. (200)
 A note on the relation of psychology to anthropology. J. of Phil., Psychol., etc. 17:345-349. (2000)
- (4) Books:
 Psychological Index. (editor) Psychol. Rev. Co., Princeton, N. J. 1920. 165 pp.

BERDAHL, C. A.

- (3) Articles:
 The Richards primary. Amer. Pol. Sci. R. 14:1:93-105. (4500)
 The power of recognition. Amer. J. of Int. Law, 14:4:519-539. (8000)

BERNBAUM, ERNEST

- (4) Books:
Swift's "Gulliver's Travels." (Introduction and footnotes.) Harcourt, Brace and Howe, N. Y. 1920. XX + 306 pp.

BLATT, M. L.

- (3) Articles:
Childhood tuberculous lymphadenitis. *Int. Clinics*, 1:31:115-121. (2500)

BLUMBERG, H.

- (2) Original reviews:
Hausdorff's Grundzüge der mengenlehre. *Bull. of the Amer. Math. Soc.* 27:116-129. (5500)

BODE, B. H.

- (3) Articles:
Intelligence and behavior. *J. of Phil.* 18:1:10-17. (3100)

BOGART, E. L.

- (3) Articles:
How and why economics should be taught in the high schools. *Proc. Seventh Natl. For. Trade Con. San Francisco, May, 1920. p. 91-99.* (3000)
Economic organization for war. *Amer. Pol. Sci. R.* 14:587-606. (7000)
Mines taxation (joint author). Report of special committee of National Tax Association. *Proc. of Thirteenth Ann. Conf. Sept. 1920. 13:405-412.* (3000)
The United States as a creditor nation, and the development of the export trade. *The Annals*, 94:37-43. (3000)
- (4) Books:
War costs and their financing. N. Y. Appleton, 1921. XXIV + 509 pp. (150,000)

BOND, ETHEL

- (3) Articles:
Catalogers' salaries. *Pub. Lib.* 26:4:196. (600)

BOYD, A. E.

- (3) Articles:
with Miller, M. V.
Reading list on historic and fancy costume. *Hist. Outlook*, 12:2: 59-61.

BRALEY, S. A.

- (3) Articles:
with Hall, J. L.
Transference numbers in mixed salt solution. *J. A. C. S.* 42:9: 1770-1776. (2500)
with Hobart, F. B.
A new method for the detection and estimation of cobalt. *Ibid.* 43:3:482-484. (1250)
with Schneider, R. F.
Structure of gold amalgams as determined by metallographic methods. *Ibid.* 43:4:740-746. (2000)

- BRAMLET, H. B.
see Adams, Roger.
- BRENSKY, A. A.
see Habermeyer, G. C.
- BRETT, AXEL
(3) Articles:
Psychological abnormalities in August Strindberg. *J. of Engl. and Germ. Philol.* 20:1:47-98. (22000)
- BROCK, W. S.
(3) Articles:
Spraying versus dusting. *Proc. Amer. Soc. Hort. Sci.* 1920. p. 108.
Experimental field work in 1920. *Ibid.* 55:184-187. (2000) Discussion on same. *Ibid.* 55:351-353.
with Ruth, W. A.
Judging a spray by its chemical content. *Ibid.* 1920. p. 105.
- BROOKS, N. C.
(1) Book notices:
Ordo Rachelis by Karl Young. *J. of Engl. and Germ. Philol.* 19:423. (470)
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How to repair a motor valve spring. *Ibid.* 7:6:344-345. (1000)
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- Handling stores and supplies like cash. *Ibid.* 18:7:16-22. (3000) (23 views)
- How to operate an engine lathe. *Ibid.* 18:8:20-25. (3100) (1600)
- How to handle the first lathe job. *Ibid.* 18:9:20-25. (3500) (20 views)
- How to grind cutting tools properly. *Ibid.* 18:10:20-25. (3400) (23 views)
- Turning steel shafts and facing valves. *Ibid.* 18:11:16-21. (3700) (20 views)
- Drilling, boring, and reaming with lathe. *Ibid.* 18:12:20-25. (3500) (23 views)
- How to cut threads on the lathe. *Ibid.* 19:1:22-28. (3600) (23 views)
- How to true lathe centers. *Ibid.* 19:2:24-30. (3300) (24 views)
- How to make a set of piston rings. *Ibid.* 19:3:26-31. (3100) (25 views)
- Crankshaft straightening and refinishing. *Ibid.* 19:4:18-23. (3400) (19 views)
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- How to repair a damaged ignition cable. *Ibid.* 6:6:390-392. (1600) (6 views)
- How to correct magneto trouble. *Ibid.* 7:7:38-40. (700) (7 views)
- How to repair a gasoline leak. *Ibid.* 7:2:126-129. (1100) (10 views)
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(3) Articles:

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 Acoustics of buildings. *McGraw-Hill Handbook of Building Construction*, pp. 747-753. (7000)
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Cross-inoculation studies with the nodule bacteria of lima beans, cowpeas and others of the cowpea group. *Ibid.* 10:4:9. (4725)

with Richmond, T. E. and Schoonover, W. R.

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WHITSON, A. V.

see Filbey, E. J.

WIEN, E.

see Hassin, G. B.

WILLARD, A. C.

(3) Articles:

A new basis for rating and comparing warm air furnaces over their entire range of operation. *Amer. Artis. and Hardware R.* 80:26:69-71. (3000) (illus.) *Amer. Arch.* 119:2355:155-157. (2500)

(illus.) *Sheet Met. Work.* 11:10:394-396. (3000) (illus.)

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Proposed furnaces testing codes for both pipeless and piped furnace systems as developed in the warm air furnace research work at the University of Illinois. *J. of the Amer. Soc. of Heat. and Vent. Eng.* 27:2:124-132. (2500) (illus.)

WILLIAMS, C. A.

(2) Original articles:

The 1917 translation of the Swedish Bible. *Scand. Notes and Studies*, 6:81-93. (3800)

WILSON, W. M.

see Richart, F. E.

WOLKOFF, M. I.

(3) Articles:

Effect of various soluble salts and lime on evaporation, capillary rise, and distribution of water in some agricultural soils. *Soil Sci.*, 9:6:409-446.

WOLTER, H. F.

(3) Articles:

Sheep Club manual. *Extension Circ.* 42. 26 pp.

WOOLBERT, C. H.

(1) Book notices:

University debaters' manual. *Q. J. of Speech Educ.* 7:1:94. (100)

Representative one-act plays by Smith. *J. of Educ.* (300)

(2) Original reviews:

Stammering as a disorder of speech as dependent on conditions of child development by Elmer Kenyon in *Volta's Review*. *Q. J. of Speech Educ.* 7:2:186-189. (750)

(3) Articles:

Report of committee on research of the National Teachers of Speech.

Ibid. 7:3:59-72. (5000)

WOOLBERT, C. H.

(3) Articles (Cont'd.):

Effects of various modes of public reading. *J. of App. Psych.* 4:2-3: 162-185. (7000)

A behavioristic account of sleep. *J. of Psych.* 27:6:420-428 (2900)

Editorials. *Q. J. of Speech Educ.* 7:1-2:63-66, 165-166. (1800)

(4) Books:

The fundamentals of speech. Harper and Bros., New York, 1921. 3+385 pp.

WRIGHT, IVAN

(2) Original articles:

Agriculture in reconstruction by J. B. Norman. *The Cornell Countryman*, 17:7:400-401, 412, 414. (1200)

(3) Articles:

Financial aspects of the German indemnity. *The Bankers' Mag.* (N. Y.) 100:4:540-550. (10000)

Financing the farm implement business. *Ibid.* 101:2:204-205. (1500)

When can the farmer buy. *The Credit Mo.* 23:2:13-14. (2000)

The farmer's financial position. *Ibid.* 23:5:9-13. (5000)

WU.

see Adolph, W. H.

WYLIE, C. C.

(3) Articles:

The auroral radiant from American observations of 1915-1920. *Terrestrial Magnetism and Atmospheric Elect.* 25:4:163-166. (1600)

YAPP, W. W.

see Detlefsen, J. A.

ZEITLIN, JACOB

(1) Book notices:

Drama in Russia. *The Nation*, 110:596. (1200)

Whose America? *Ibid.* 110:595. (800)

Fighting without a war by Albertson. *Ibid.* 110:659. (600)

One brand of Bolshevism. *Ibid.* 110:730. (1000)

The Russian diary of an Englishman. *Ibid.* 110:773. (400)

The Russian people by Princess Cantacuzene. *Ibid.* 110:860. (300)

Bolshevism at work by W. T. Good. *Ibid.* 111. (400)

A guide to Russian literature. *Ibid.* 111:327. (1000)

The Czechs in America by Capek. *Ibid.* 111:482. (450)

Soviet Russia. *Ibid.* 111:566. (1400)

Reports on Russia. *Ibid.* 112:19. (500)

Through Russian eyes. *Ibid.* 112:513. (1400)

ZELENY, CHARLES

(3) Articles:

The tabulation of factorial values. *Amer. Nat.* 54:4:358-362. (2000)

The method of procedure in the analysis of heredity. *Sci. Mo.* 11: 263-275. (5500)

The relative number of twins and triplets. *Sci.* 53:262-263. (1000)

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

May 1, 1921—April 30, 1922.

The publications of the faculty of the University of Illinois during the year ended April 30, 1922, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ADAMS, ROGER.

- (2) Original reviews:
Chemistry of synthetic drugs by Percy May. *J. Am. Chem. Soc.* 43:8. (450)
- (3) Articles:
Invaluable synthetic drugs discovered by U. S. chemists. *N. Y. Commercial*, Sept. 12, 1921. (2100)
The physician and American chemistry. *Am. J. of Clin. Med.* 29: 2:85. (1600)
with Johnson, J. R.
2,Phenyl quinoline-4, carboxylic acid-6, arsonic acid. *J. Am. Chem. Soc.* 43:10:255-57. (800)
with Quick, A. J.
Aliphatic arsonic and arsinic acids and aliphatic aromatic arsinic acids. *Ibid.* 44:4:805-16. (6000)
- (4) Books:
with Marvel, C. S.
Organic chemical reagents III. Univ. of Ill. Press, 1921. 73 pp.
with Conant, J. B., Kamm, O., and Clarke, H. T.
Organic syntheses. vol. 1. John Wiley & Sons, 1921. 84 pp.

AGERSBERG, H. P. KJERSCHOW-

- (3) Articles:
Contributions to the knowledge of nudibranchiate mollusk, melibe leonina (Gould). *The Am. Naturalist*, 55:222-53. (10624)
On the status of chioraera (Gould). *The Nautilus*, 35:50-57. (2660)

AMBROSE, A. S.

see Prucha, M. J.

ARMS, R. W.

- (3) Articles:
Dry concentration of coal. *Coal Ind.* 5:1:29-32. (3000)
- (4) Books:
The ignition temperature of coal. *Eng. Expt. Stat.*, Urbana, 1922. 61 pp.

ASHTON, B. L.

- (3) Articles:
Improving the teaching of geography. *The Technic*, 4:6:11-14. (1450)

ATKINSON, H. V.

(3) Articles:

The treatment of acute phosphorus poisoning. *J. Lab. & Clin. Med.* 7:3:148-50. (1500)

with McGuigan, H.

The effect of hemorrhage on the sympathetic nerves. *Amer. J. Phys.* 57:1:95-103. (3500)

with Ets, H. N.

Chemical changes of blood under the influence of drugs. I. *Ether. J. Biol. Chem.* 52:1:5-10. (2000)

BABBITT, H. E.

(3) Articles:

Kutter's formula simplified. *Eng. and Con.* 57:8:128. (1000)

Municipal and sanitary engineering. *Technograph*, Dec. 1921. (1500)

(4) Books:

Sewerage and sewage treatment. John Wiley & Sons, N. Y., 1922. 2-531 pp.

BABCOCK, K. C.

(1) Book notices:

History of education in Iowa, vol. V., by C. R. Aurner. *Am. Hist. R.* 26:842-43. (400)

Sixteen years at the University of Illinois by E. J. James. *Educ. R.* 62:179-81. (900)

Select British documents of the Canadian war of 1812, ed. by Wm. Wood. *Am. Hist. R.* 27:588-89. (700)

(3) Articles:

Present standards of voluntary associations of higher educational institutions. *Educ. Rec.* 2:3:92-99. (3000)

Variables in higher educational organization. *Cath. Educ. Assn. Bul.* 18:1:132-38. (2500)

The university and the private colleges. *Pro. 17th An. Meet. of Fed. of Ill. Colleges.* 17:9-12. (2000)

BAILEY, J. R.

see Noyes, W. A.

BAILY, H. H.

(3) Articles:

Burden imposed by the income tax on corporations and partnerships. *Admin.* 2:4:511-18. (5000)

BAKER, F. C.

(1) Book notices:

The freshwater mollusca of the Parish of Aldenham by A. E. Boycott. *Ecol.* 2:3:230. (84)

Correlation of shape and station in freshwater mussels by A. E. Ortman. *Ibid.* 2:3:231. (60)

Natural history and propagation of freshwater mussels by Coker, Shira, Clark, and Howard. *Ibid.* 2:4:314. (192)

BAKER, F. C. (Cont'd)

(3) Articles:

- New forms of Pleistocene mollusks from Illinois. *Nautilus*, 35:22-24.
(720)
- Preparing collections of the mollusca for exhibitions and study. *Am. Micr. Soc.* 40:31-46. (7800)
- New species and varieties of mollusca from Lake Winnebago region. *Nautilus*, 35:130-133. (1070)
- Pleistocene mollusca from northwestern and central Illinois. *J. Geol.* 30:43-62. (5600)
- The importance of ecology in the interpretation of fossil faunas. *Ecol.* 2:277-280. (1900)

BALDWIN, E. C.

(1) Book notices:

A memorial volume. *Mizpah Mo. Mag.* 1:7:11. (800)

(3) Articles:

- A Christian protest. *Am. Israelite*, 67:53:1. (1500)
- Influence of the authorized version on Milton's diction. *Mod. Lang. Notes*, 34:6:376-77. (1500)
- Disraeli and the Jews. *B'nai B'rith News*, 13:11:12. (2000)
- Pipp's Wkly.* 2:16:7. *Omaha Jewish Press*, 1:36.
- How we got our alphabet. *Am. Israelite*, 68:19:1. (1500)
- An excuse for just pride. *Mizpah Mo. Mag.* 1:3:6.
- Dante and Immanuel Ben Solomon. *Am. Israelite*, 68:27:1. (1800)
- The Scribe*, 5:29:4-12.
- Laws and lawlessness. *Am. Israelite*, 68:36:1. (1500)
- English section. *U. of Ill. Bul.* 19:21:166-210. (800)
- Confusion in our religious thinking. *Am. Israelite*, 68:34. (1900)
- An absurd slander. *B'nai B'rith News*, 14:6:9. (1500)

BANE, LITA

- (3) Home economics extension service in Illinois.
The county home bureaus in Illinois.
- (5) Unclassified:
Motto card:—The aim of the home bureau.

BARGER, EDGAR

see Glasgow, Robert.

BARON, A.

see Bentley, Madison.

BASSOE, PETER

see Hassin, G. B.

BAYLEY, W. S.

(1) Book notices:

- Structural and field geology by James Geikie. *Econ. Geol.* 16:4-5:
339-40. (250)

BAYLEY, W. S. (Cont'd)

(1) Book notices:

Nomenclature of petrology by A. Holmes. *Ibid.* 16:7:501-502. (450)
Manual of determinative mineralogy by J. V. Lewis. *Ibid.* 17:2:146.
(250)

(3) Articles:

Editorial. *Econ. Geol.* 16:4-5:330-332. (1100)
A magnetic-marble ore at Lansing, N. C. *Elisha Mitchell Scientific
Soc.* 37:3-4:138-52. (6300)

BEARD, J. H.

(3) Articles:

Problems in the bovine tuberculosis question. *The Nation's Health,*
4:5:272-274. (1950)
Progress of public health work. *Scientific Mo.* 14:2:140-52. (6600)

BENTLEY, MADISON.

(3) Articles:

Dynamical principles in recent psychology. *Psych. Monographs*, 30:
136:1-16.
Leading and legibility. *Ibid.* 30:136:48-61.
with A. Baron.
Intensive summation of thermal sensations. *Ibid.* 30:136:84-94.

(4) Books:

Critical and experimental studies in psychology from the University
of Illinois. (Ed.) *Psych. Rev. Co.*, Princeton, N. J. 1921. 94 p.
Psychological index. (Ed.) *Psych. Rev. Co.*, Princeton, N. J. 1921.
xii—207 p.

BERDAHL, C. A.

(3) Articles:

The Louisiana constitutional convention. *Am. Pol. Sci. Rev.* 15:4:
565-68. (1700)

(4) Books:

War powers of the executive in the United States. (Univ. of Ill.
Studies in the Social Sciences, 9:1-2) Univ. of Ill., Urbana, 1921.
296 p.

BERNBAUM, ERNEST.

(4) Books:

The Puritan Pilgrim—Poem for the Pilgrim Tercentenary celebration
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BEVAN, ARTHUR.

(3) Articles:

Some geologic features of the Beartooth mountains. (Abstract)
Geol. Soc. Am. Bul. 52:1:29. (200)
with Clapp, C. H. and Lambert, G. S.
Mesozoic and paleozoic systems in Geology and gas and oil pros-
pects of Central and Eastern Montana. *Univ. of Mont. Bul.*, Bur.
of Mines and Met. Ser. 4:34-69. (15000)

BLAYNEY, J. R.

(3) Articles:

The clinical results of pulp treatment. *J. of Nat. Dental Assoc.*
9:3:198-206. (7000)

BOGART, E. L.

(3) Articles:

The public credit of the United States. Georgetown Univ., School of
Foreign Service, Washington, D. C. 1921. (10000)

Free zones. U. S. Chamber of Commerce, Comm. on free zones,
Report. 1921. 23 p.

Proposed program of social studies in the secondary school. Report
of a committee of the American Economic Association. *Am.*
Econ. Rev. 12:66-74. (3000)

The state of our national finances. *Ibid.* 12:51-52. (500)

(4) Books:

An economic history of the United States. 4th ed., rev., enl. and re-
set. Longmann, Green and Co., N. Y. 1922. 600 p.

BOLLMAN, J. L.

(3) Articles:

with Welker, W. H.

The effect of subcutaneous injections of potassium cyanide on the ca-
talase content of the blood. *J. Biol. Chem.* 48:2:445-51. (800)

BRANNON, J. M.

see Prucha, M. J.

BRENSKY, A. A.

see Buswell, A. M.

BROOKS, N. C.

(4) Books:

The sepulchre of Christ in art and liturgy, with special reference to
the liturgic drama. *Univ. of Illinois Studies in lang. and lit.* 7:2.
Univ. of Ill. Press, 1921. 110 p.

BROWN, H. A.

(3) Articles:

with Knipp, C. T.

Variation of pressure and nature of gas content on the operation of
vacuum tube detectors. *Phys. R.* 19:3:278-280.

Effect of alkali vapors and other gases at various pressures on ther-
mionic tubes. *Ill. Acad. of Sci. Ann. Pro.* 1922.

BUNDY, M. W.

(3) Articles:

Milton's view of education in *Paradise lost*. *J. Engl. and Ger. Phil.*
21:1:127-152.

BUNTING, E. N.

(3) Articles:

with Washburn, E. W.

BUNTING, E. N. (Cont'd)

(3) Articles:

The use of petroleum products as absorption liquids. *J. Am. Ceram. Soc.* 4:12:983-89. (1500)

Recommended procedures for determining porosity by methods of absorption. *Ibid.* 5:1:48-56.

Determination of porosity by the method of gas expansion. *Ibid.* 5:2:112-29. (5000)

BURLISON, W. L.

(3) Articles:

Physiological basis of crop production. Agricultural Conference, Univ. of Ill. Jan. 26-27, 1922. (2000)

BUSWELL, A. M.

(2) Original reviews:

Vocational training. *Chem. Bul.* Jan., 1922. (400)

(3) Articles:

The Illinois state water survey. *Ibid.* 9:3:53-56. (2500)

with Brensky, A. A. and Neave, S. L.

Chemical and biological reactions in the Dorr-Peck tank. *Am. J. of Pub. Health*, 12:4:299-310. (3000, 10 figs., 7 tables).

CAMERON, E. H.

(3) Articles:

Methods of study. *High School Conf. Pro.* 1921.

Opportunities of the small high school. *Ibid.*

(4) Books:

Psychology and the school. Century Co. N. Y. 1921. 1-339 pp.

CAMP, H. L.

(2) Original reviews:

Scales for measuring results of physics teaching. *J. of Ed. Res.* 5:5:400-05. (1650)

(3) Articles:

Some results of testing intelligence of high school pupils in different states. *H. S. Q. J.* 10:3:176-78. (600)

(4) Books:

Scales for measuring results of physics teaching. *Univ. of Iowa Studies in education*. 2:2. State Univ. of Iowa, Iowa City, 1921, 51 p.

CANTER, H. V.

(3) Articles:

Fortuna in Latin poetry. *Univ. of North Carolina, Studies in philology*, 19:1:64-82. (7800)

CARD, L. E.

(3) Articles:

Body temperature of newly hatched chicks. *Poultry Sci.* 1:1:9-15. (1500)

Factors affecting fertility and hatching quality of eggs. *Reliable Poultry J.* 28:11:997. (4000)

CARLIN, L.

see Jones, H. C.

CARMAN, A. P.

(3) Articles:

Thermal conductivity and diffusivity of concrete. Eng. Exp. Sta. Bul. 122.

Thermal conductivity of concrete and marble. Trans. Ill. Acad. Sci. 15.
A low resistance with a revolving shaft. Phys. R. 19.

(4) Books:

Electricity and magnetism. (Chapter in Duff's Textbook of physics)
Blakiston, Phila. 1921.

CARMICHAEL, R. D.

(1) Book notices:

The order of nature, a review of Whitehead's principles of natural knowledge; Leclerc's L'Unite de la science; Henderson's Order of nature, and Thomson's System of animate nature. Sci. 54:631-634. (2000)

Review of Oeuvres de G. H. Halphen, vols. 1-2. Amer. Math. Soc. Bul. 27:466-68. (1000)

Review of Hardy's Some famous problems in the theory of numbers and in particular of Waring's problem. *Ibid.* 27:471-75. (1800)

Review of Stolz and Gmeiner's Theoretische arithmetik, 2nd ed. *Ibid.* 27:485. (400)

Review of Hudson's The college and new America. J. of Educ. Res. 4:149-50. (750)

Relativity and physics, review of Rongier-Masine's Philosophy and the new physics. N. Y. Evening Post, Lit. 2:669. (800)

(3) Articles:

The song of fire. (Poem). *Monist*, 31:310-13. (1000)

Empirical results in the theory of numbers. *Math. Teacher.* (2000)

Certain units in science. *Sci. Mo.* 14:41-59. (9000)

The larger human worth of mathematics. *Ibid.* 14:447-468. (10,000)

Boundary value and expansion problems: formulation of various transcendental problems. *J. of Math.* 43. (16000)

Algebraic guides to transcendental problems (Address as retiring chairman of the Chicago section of the American Math Soc.) *Amer. Math. Soc. Bul.* 28:179-210. (13000)

Note on Euler's ϕ function. *Ibid.* 28:109-110. (800)

CHANDLER, S. C.

see Flint, W. P.

CHRISTMAN, A. A.

see Lewis, H. B.

CIGRAND, B. J.

(4) Books:

New light on Lincoln. I. C. Copley, Aurora, 1921. 368 pp.

Northeastern Illinois. Beacon News, Aurora, 1922. 567 pp.

Meaning of U. S. flag. Marshall Field Co., Chicago.

- CLAPP, C. H.
see Bevan, Arthur.
- CLARK, A. H.
(3) Articles:
Note on the Bliss method for the separation of strychnine and quinine.
J. Amer. Ph. Assoc. 10:4:267-69. (1400)
Why you should attend the American Pharmaceutical Association
meetings. Amer. Drug. 69:5:32-33. (800)
- CLARK, T. A.
(3) Articles:
Making one's self (Story). Assoc. Men. Oct., 1921. (3000)
Fraternity extension. The Brief, Phi Delta Phi, Jan., 1922. (3000)
Gibbon's boy and Lenhart's boy—A contrast. Assoc. Men, Feb., 1922.
(1200)
Give the freshman a chance. Alpha Tau Omega Palm, March, 1922.
(2500)
The personal touch. Christian Educ. March, 1922. (7000)
Finding the lost student. Christian Century, March 30, 1922. (1500)
The passing of the chaperon. Atlantic Mo., Apr., 1922. (3000)
Going on a vacation. Hotel Mo., Apr., 1922. (1500)
What I must do to make good. Personal Efficiency, April, 1922.
(1000)
College activities—Chapter in College administration, May, 1922.
(4200)
- (4) Books:
When you write a letter. B. H. Sanborn & Co., Chicago, 1921. 165
pp.
- CLARKE, H. T.
see Adams, Roger.
- COBLE, A. B.
(3) Articles:
A covariant of three circles. Amer. Math. Soc. Bul. 27:434-37.
(2000)
Geometric aspects of the Abelian modular functions of genus four.
Abstract I-II. Natl. Acad. of Sci. Pro. 7:8:245-49. 7:12:234-338.
(2000, 2000)
- COLEMAN, G. H.
see Noyes, W. A.
- CONANT, J. B.
see Adams, Roger.
- CRATHORNE, A. R.
(1) Book notices:
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Math. Soc. 28:65. (300)
- (3) Original articles:
with Walker, M.
The biology of a life table. Royal Statis. Soc. J. 84:3:483-56.
(1200)
- (4) Books:
with Rietz, H. L. and Rietz, J. C.

CRATHORNE, A. N. (Cont'd)

(4) Books:

Mathematics of finance. Henry Holt and Co., N. Y. 1921. xiv.
280 pp.

CRILE, D. R. L.

(4) Books:

Chapters on Compound fractures and on Dislocations and sprains
in Ochsner's Surgical diagnosis and treatment. Lea and Febiger,
vol. 4:195-308. (50000)

DAVENPORT, EUGENE.

(3) Articles:

Keeping the young man on the farm. Country Gent. 5/21/21.
(4000)

Will we continue to export farm products. Farm and Fireside. 5/21.
(4000)

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The predicament of the experiment stations. Natl. Stockman and far-
mer. 5/21/21. (2000)

A farm for John and Mary. Country Gent. 12/31/21. (4000)

Who is big business? *Ibid.* 1/14/22. (5600)

Cooperate, of course, but keep right on running your farm. Farm
and Fireside, 12/21. (2600)

How are you going to farm this year? *Ibid.* 2/22. (3600)

Why the difference? Ladies Home J. 2/22. (2000)

Jim and his job. Hoard's Dairyman, 12/21. (4000)

What made Chicago. Country Gent. 2/22. (3000)

Agriculture organized. Breeder's gazette, 12/21. (2800)

Writing off the losses. Natl. Stockman and Farmer, 193. (2200)

Unsecured farm loans. *Ibid.* 194:13. (1000)

The gulf impossible. Sat. Evening Post. 4/22. (4000)

Can I make any money in 1922? Country Gent. 3/22. (4000)

The farmer's interest in the marketing problem. County Agent and
Farm Bur. 3/22. (2400)

Editorials.

DAVISON, CHARLES.

(3) Articles:

Treatment of ununited fractures of the neck of the femur by bone
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DAY, V. S.

(3) Articles:

with Willard, A. C. and Kratz, A. P.

Air measurement in furnace testing. Amer. Soc. Heating and Ventil.
Eng. J. 27:8:797-812.

Heat losses from a pipeless furnace. Amer. Artisan, 80:52:69-71.

(4) Books:

with Willard, A. C. and Kratz, A. P.

Investigation of warm-air furnaces and heating systems. Eng. Exp.
Sta. Bul. 120, Urbana, Ill. 1921. 1-8+9-137 pp.

DAY, W. B.

(1) Book notices:

Several reviews of botanical articles. *Bot. Abst.* 7-8.

(3) Articles:

Hospital pharmacists. *J. Amer. Ph. Assoc.* 10:11:882-83. (1000)

The membership of the American Pharmaceutical Association. *Ibid.* 10:6:414-17. (1500)

The service of the American Pharmaceutical Association. *Ibid.* 10:7:492-94. (1500)

The old and new in training and educational methods. *Amer. Drug.* 70:4:25. (1000)

(4) Books:

Proceedings of the Illinois Pharmaceutical Association. W. B. Day, Bloomington, Ill. 1921. 125 pp.

DETLEFSEN, J. A.

(3) Articles:

A new mutation in the house mouse. *Amer. Nat.* 55:469-73. (2000) with Holbrook, F. M.

Skunk breeding. *J. of Hered.* 13:6:243-54. (8500) with Clements, L. S.

Genetic analysis of low crossover stock, produced by selection. *Anat. Rec.* 23:1:97. (250)

DICKENSON, R. W.

see Mosier, J. G.

DIETZ, F. C.

(3) Articles:

List of readings in History II. *U. of I.* 56 pp.

(4) Books:

English government finance, 1485-1858. *U. of I., Urbana*, 1921. 1-10+11-245.

DODGE, D. K.

(3) Articles:

Longfellow's Scandinavian translations. *Scand. Stud. and Notes*, 6: 7:187-97. (3500)

DOLCH, E. W., JR.

(3) Articles:

The measurement of high school English. *J. of Ed. Res.* 4:279-86. (3200)

What is a story? *The Editor*, 55:8. (1500)

More true than life. *Ibid.* 55:15. (2300)

Stories as news. *Ibid.* 55:20. (1200)

"Selling" your story. *Ibid.* 57:1. (1100)

DORNER, H. B.

(3) Articles:

The extent and aims of floricultural education in the United States. *Florists' Rev.* 48:1238:41, 100-105.

Strawflowers for the Christmas sales. *Ibid.* 48:1242:17-18.

Perennials for cutflowers. *Ibid.* 49:1268:25-27.

DRIGGS, F. H.

see Hopkins, B. S.

DUELL, PRENTICE

(3) Articles:

Arizona-Sonora chain of missions. Arch. & Eng. 66:1:63-81. (2000)

Arizona-Sonora chain of missions. *Ibid.* 66:3:66-77. (2000)

Arizona-Sonora chain of missions. *Ibid.* 67:3:62-72. (2000)

The old missions of Mexico and Arizona. Los A. Times, March 27, 1922. (2500)

In the castle country. *Ibid.* Aug. 14, 1921. (2500)

A note on California architecture. Cal. Southland, Sept. 1921. (1000)

The old Spanish trail. Technograph, 34:3. (1800)

DUNCAN, H. G.

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SUTHERLAND, E. H.

(1) Book notices:

Welfare campaigns in Iowa by Marcus L. Hansen. Miss. Vall. Hist.
Rev. 8:3:280. (300)

TAFT, LORADO.

(1) Book notices:

Mine and gallery; a review of A history of European and American
sculpture from the early Christian period to the present time
The Nation, 114:2960:371-72. (1300)

(4) Books:

Modern tendencies in sculpture. Univ. of Chicago Press, Chicago,
1921. 3+146 pp.

TALBOT, A. N.

(3) Articles:

A proposed method of estimating the density and strength of con-
crete and of proportioning the materials by the experimental
and analytical consideration of the voids in the concrete. Amer.
Soc. for Test. Mat. Proc. 21:940-67, 972-75. (15000)

Proposed method of estimating density and strength of concrete and
proportioning the materials. Eng. and Con. 56:13:306-12
(10000)

Discussion on report of joint committee on standard specifications
for concrete and reinforced concrete. Amer. Soc. of C. E. Proc.
48:3:581. (3000)

TANNER, F. W.

(3) Articles:

with Ward, C. B.

Bacteria on subsidiary coins and currency. Amer. J. Med. Sci. 162:
585-92.

THOM, D. A.

see Singer, H. D.

THOMAS, H. B.

(3) Articles:

Congenital dislocation of the hip. J. A. M. A. 78:323-30.

Poliomyelitis: the operative treatment. The Pub. Health Nurse,
Oct. 1921, Feb. 1922.

THOMAS, N. G.

- (2) Original reviews:
with Redlich, Herman.
A translation of Formation of root canals in human teeth by Walter Hess. Nat. Dent. Assoc. J. 8:10:790-832. (15000)
- (3) Articles:
Studies in protective cementum development. Dental Cosmos. 64:4:385-95. (2500)

THOMPSON, LUTHER.

- (3) Articles:
The group of hydrogen sulphide producing bacteria. J. Med. Res. 42:4:383-89. (2500)

TODD, V. H.

see Goebel, Julius.

TRELEASE, WILLIAM.

- (3) Articles:
A natural group of unusual black oats. Amer. Phil. Soc. Proc. 60:1:31-33. pl. 2-4.
Precocity in a furcraea. Ill. State Acad. of Sci. Trans. 11:109-11. pl. 1.
The jack oak. *Ibid.* 12:108-18. 6 pl.
N. A. pipers of the section Ottonia. Amer. J. of Bot. 8:212-17. pl. 5-8.
Peltate peperomias of N. A. Bot. Gaz. 73:2:133-47. pl. 1-4.
- (4) Books:
Plant materials of decorative gardening. 2d ed. rev. Author, Urbana, 1921. xliii+177 pp.

TSANG, CHUK YEE.

see Englis, D. T.

UDDEN, J. A.

see Savage, T. E.

UHLENDORF, B. A.

- (1) Book notices:
Ein Jahrbuch für deutsch-amerikanische Geschichte. Die Brücke, 3:47:1-2. (1100)
- (2) Original reviews:
England and the Englishman in German literature of the eighteenth century by John A. Kelly. Anschauungen vom englischen Staat und Volk in der deutschen Literatur der letzten vier Jahrhunderte by Franz Muncker. J. Engl. and Ger. Philol. 21:1:184-88. (2000)
- (3) Articles:
Two additional sources of Sealsfield. *Ibid.* 20:3:417-18. (500)

VAN ALSTINE, E.

see Mosier, J. G.

VAN CLEAVE, H. J.

(3) Articles:

- Acanthocephala collected by the Swedish expedition to the Juan Fernandez and Easter Islands (1916-1917). The natural history of Juan Fernandez and Easter Islands (Uppsala), 3:13:75-81.
- Acanthocephala from the eel. Amer. Micros. Soc. Trans. 40:1:1-13.
- Notes on two genera of ectoparasitic trematodes from fresh-water fishes. J. Parasitol. 8:1:33-39.
- A determination of the degree of constancy in the nuclei of certain organs in the hydatina senta. Anatom. Rec. 23:1:102.
- A new genus of trematodes from the white bass. *Ibid.* 23:1:115.
- A compendium of the hosts of animal parasites contained in Ward and Whipple's Fresh-water biology. Amer. Micros. Soc. Trans. 40:4:195-99.
- A determination of the degree of constancy in the nuclei of certain organs in hydatina senta. Biol. Bul. 41:2:85-94.

VAN HORNE, JOHN.

(1) Book notices:

- Methods and materials of literary criticism by C. M. Gayley and B. R. Kurtz. J. of Engl. and Ger. Philol. 20:2:256-62. (3000)
- Three Spanish readers. Hispania, 4:6:318-20. (1700)
- Three Spanish readers. *Ibid.* 5:2:111-15. (2500)

(3) Articles:

- with Morgan, B. Q.
- Bibliography of modern language methodology in America for 1920. Mod. Lang. J. 6:7:374-83. (3000)

WALDO, E. H.

(3) Articles:

- Modern street lighting. Technograph, 33:1. (1200)

WALKER, M.

see Crathorne, A. R.

WARD, C. B.

see Tanner, F. W.

WARD, H. B.

(1) Book notices:

- American journal of hygiene ed. by William H. Welch. J. Parasit. 7:4:202. (300)
- Essentials of tropical medicine by Walter E. Masters. *Ibid.* 7:4:202. (300)
- Infections parasitaires in Neveu-Lemaire etc. *Ibid.* 7:4:203. (400)
- Index Catal. Med. Vet. Zool.—Roundworms by Stiles and Hassall. *Ibid.* 7:4:203. (200)
- Parasitisme et la symbiose by M. Caullery. *Ibid.* 8:2:97. (200)
- (2) Original reviews:
- Sanitary entomology by William D. Pierce. *Ibid.* 8:1:47. (600)

WARD, H. B. (Cont'd)

(3) Articles:

- Meetings of executive committee of Sigma Xi. *Sci.* 54:1385:45. (560)
Herbert Haviland Field. *Ibid.* 54:1401:424-28. (1100)
Some features in the migration of the sockeye salmon and their practical significance. *Amer. Fish Soc. Proc.* 1920:378-426. (14500)
Some of the factors controlling the migration and spawning of the Alaska red salmon. *Ecol.* 2:161-234. (9500)

WASHBURN, E. W.

(1) Book notices:

- Silica and the silicates by Audley. *J. Ind. Eng. Chem.* 13:11:1093. (450)
Chemical warfare by Fries and West. *Amer. Ceram. Soc. J.* 4:12:1014. (300)
American Society of Testing Materials: Book of standards. *Ibid.* 4:12:1014. (500)

(3) Articles:

- Porosity: I. Purpose of the investigation. II. Porosity and the mechanism of absorption. *Amer. Ceram. Soc. J.* 4:11:916-23. (2500)
Research and a protective tariff. *Ibid.* 4:9:701-02. (400)
Note on a method of determining the distribution of pore size in a porous material. *Nat. Acad. Sci. Proc.* 7:2:115. (500)
High temperature research. *Amer. Ceram. Soc. J.* 5:4:161. (300) with Footitt, F. F.
Porosity: III. Water as an absorption liquid. *Ibid.* 4:12:961-83. (2000)
with Bunting, E. N.
Porosity: IV. The use of petroleum products as absorption liquids. *Ibid.* 4:12:983-90. (2300)
Porosity: V. Recommended procedure for determining porosity by methods of absorption. *Ibid.* 5:1:48-56. (2300)
Porosity: VI. Determination of porosity by the method of gas expansion. *Ibid.* 5:2:112-29. (5000)
with Navias, L.
The relation of Chalcedony to the other forms of silica. *Nat. Acad. Sci. Proc.* 8:1:1-5. (1600)
with Parmelee, C. W. and Hursh, R. K.
A selected bibliography of books in the English language, dealing with ceramic chemistry and the ceramic industries. *J. Ind. Eng. Chem.* 13:5:476-78. (2400)

WATKINS, G. S.

(3) Articles:

- An analysis of labor turnover. *Admin.* 2:1:27-35. (6000)

WATSON, E. S.

(3) Articles:

- Stories of great Indians. (48 articles, 500 words each.) Syndicated nationality to newspapers by the Western Newspaper Union.
True stories from Illinois history. (200 articles, 500 words each.) Syndicated to Illinois newspapers by the Midland Feature Service.

WATSON, F. R.

(3) Articles:

Acoustical properties of buildings. *Western Soc. of Engin. J.* 26: 241-247. (4700)

Acoustical design in buildings. *State Acad. Sci.* 14:297. (1800)

Acoustical specifications in buildings. *Technograph*, 33:147. (1600)

A motion picture cure for faulty acoustics. *Pop. Sci. Mo.* 99:47. (350)

An acoustical galvanometer for the measurement of small alternating currents. *Phys. R.* 18:178-84. (3200)

Sound proofing a building. *Arch. Forum*, 35:178-82. (5000)

Sound proofing in hospitals. *The Modern Hospital*, 18:215-18. (3000) with Worsham, W. B.

Doppler's principle illustrated by ripple waves. *Phys. R.* 19:262. (Abstract) (200)

(4) Books:

Sound proof partitions. *Eng. Exp. Station, Urbana*, 1922. 78 pp. illus.

WELKER, W. H.

see Bollman, J. L.

WESTERGAARD, H. M.

(3) Articles:

Buckling of elastic structures. *Amer. Soc. of Civil Eng. Proc.* 57: 9:455-533. (45000)

Deflections of beams by the conjugate beam method. *Western Soc. of Engineers J.* 26:11:369-96. (1500)

with Slater, W. A.

Moments and stresses in slabs. *Amer. Concrete Inst. Proc.* 17:4:15-538. (60000)

WHITE, HOWARD.

(1) Book notices:

The history of the San Francisco committee of vigilance of 1851 by Dr. Mary Floyd Williams. *Amer. Pol. Sci. R.* 16:1:148. (400) 16:1:148. (400)

(2) Original reviews:

Le gouvernement par les juges et la lutte contre la législation sociale aux états-unis par Edouard Lambert. *Ibid.* 16:1:137-40. (1300)

WHITLOCK, M. C.

(1) Book notices:

Make your own hats, by Gene Allen Martin. *J. of Home Econ.* 14:4:193. (150)

WELKER, W. H.

(3) Articles:

Diet in relation to health. *Nat. Dent. Assoc. J.* 8:7:551-53. (1200)

The effect of subcutaneous injections of solutions of potassium cyanide on the catalase content of the blood. *J. Biol. Chem.* 48:2: 445-51. (800)

An apparatus for the estimation of catalase. *J. Lab. and Clin. Med.* 7:3:445. (400)

WILLARD, A. C.

(2) Original reviews:

Test at the University of Illinois to determine the heat losses from a pipeless warm air heater. *Amer. Artis. and Hardware Rec.* 82: 27:69-71. (1500)

Investigation of warm air furnaces and heating systems by Willard, Kratz, and Day. A review of Sec. 10, Bul. No. 120. *Amer. Artis.* 80:52:69-71.

(3) Articles:

The Hudson river vehicular tunnel ventilating problems. *Technograph*, 34:1:4-7-IV. (1000)

(4) Books:

with Kratz, A. P. and Day, V. S.

Investigation of warm-air furnaces and heating systems. *Eng. Exp. Sta. Univ. of Ill., Urbana, Ill.*, 1921. 1-8+9-137 pp.

WILLIAMS, C. A.

(1) Book notices:

Psychologie der weltanschauungen by Karl Jaspers. *Arch. of Neur. and Psychiatry*, Dec. 1921. p. 719. (700)

WILLIAMS, L. W.

(3) Articles:

The mathematics needed in freshman chemistry. *School, Sci. and Math.* 21:7:654-65. (3500)

WILLIAMSON, C. S.

(3) Articles:

Pericarditis with effusion (reported clinic). *Med. Clinics of N. Amer.* 5:1:17-35. (4600)

Pericarditis with effusion; a clinical study of twenty-three cases. *Amer. Med. Assoc. J.* 77:51:2050-52. (1200)

WILSON, W. M.

(3) Articles:

Proposed investigations in structural engineering. *Western Soc. of Engineers J.* 26:8:289-96. (4000)

WOOLBERT, C. H.

(1) Book notices:

Models of speech composition. *Q. J. of Speech Educ.* 8:2:193-95. (500)

(2) Original reviews:

The aesthetic attitude. *Ibid.* 7:3:298-99. (500)

(3) Articles:

Fundamentals in the teaching of better speech. *H. S. Conf., Proc., U. of Ill.* 1921. 201-10. (7000)

Editorials. *Q. J. of Speech Educ.* 7:3:272-75. (1200). 7:4:383-85. (900). 8:1:87-89. (1200). 8:2:166-68. (1100)

Decisionless Debates. *Ibid.* 7:3:287-89. (400)

WRIGHT, IVAN.

(3) Articles:

- The financial position of the farmer. *Credit Mo.* 23:5:9-13. (4000)
Farmers' organizations non-political. *Ibid.* 23:9:23. (1200)
How credit conditions in a country town involve the rest of the
country. *Chicago Commerce*, 17:15:20-21. (2000)
Farmers alone of all producers make a favorable showing in 1921
compared with 1920. *Ibid.* 17:23:12. (1200)
Corn belt credit conditions. *Bankers M.* 103:1:37-38. (1500)
Interest and rediscount rates in relation to commercial credit. *Ibid.*
104:3:60-62. (2500)
High prices but not big profits. *Chicago Daily Drovers J.* Oct. 20,
1921. (2500)
Reserve board o. k.'s co-op farm paper for rediscount. *Ibid.* Jan. 7,
1922. (1500)
Economic aspects of land reclamation. *Mississippi Vall. M.* 4:4:15.
(1500)
Financing the marketing of staple farm crops. *J. of Farm Econ.* 4:1.
(5000)

WYLIE, C. C.

(3) Articles:

- The effect of the barometric gradient on meridian observations. *Pop.*
Astron. 29:8:479-81. (950)

YERGER, C. F.

(3) Articles:

- Intracranial complications of nasal accessory sinus disease—a report
of 16 cases. *Ill. Med. J.* Nov. 1921. (2500)

YNTEMA, L. F.

see Hopkins, B. S.

YOUNG, P. T.

(1) Book notices:

- Reviews of every article appearing in the *Psychological Review*.
Psych. Bul. 18:5:237, 238, 246-47, 248, 250, 258. 18:10:501,
520, 563.

ZEITLIN, JACOB.

(1) Book notices:

- The Russian bolshevik revolution by E. A. Ross. *Nation*, 113:2930:
238-239. (800)
Language by E. Sapir. *Ibid.* 114:2957:290-91. (1200)
Reminiscences and note-book of Anton Chekhov. *Ibid.* 114:2961:400.
(900)

(3) Articles:

- Turgenev and his heroes. *Ibid.* 112:2916:712-13. (2500)
The editor of the London Magazine. *J. of Engl. and Ger. Philol.*
20:3:328-54. (8500)

ZELNY, CHARLES.

(3) Articles:

Decrease in sexual dimorphism of bar-eye *Drosophila* during the course of selection for low and high facet number. *Amer. Naturalist*, 55:5:404-11.

The direction and frequency of mutation in the bar-eye series of multiple allelomorphs of *Drosophila*. *J. Exp. Zool.* 34:2:203-33.

Effective reverse selection in bar-eye of *Drosophila* due to the appearance of mutations. *Abstract. Amer. Soc. Zool. Proc.* 1921. 22.

The effect of selection for eye facet number in the white bar-eye race of *Drosophila melanogaster*. *Genetics*, 7:1:1-115.

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

May 1, 1922—April 30, 1923

The publications of the faculty of the University of Illinois during the past year ended April 30, 1923, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(2) Original reviews:

The fundamental processes of dye chemistry by Dr. Hans Edward Fierz-David. *J. Am. Chem. Soc.* 44:1922:2069. (400)
Organic chemistry or chemistry of the carbon compounds by Victor von Richter. Vol. II. *Ibid.* 44:1922:2067. (275)

(3) Articles:

with Folger, M. F., and Kreger, C. W.
The structure of disalicyl aldehyde. *Ibid.* 44:1922:1126. (3400)
with Palmer, C. S.
The reactions of the arsines. II. *Ibid.* 44:1922:1356. (16000)
with Voorhees, V.
The use of the oxides of platinum for the catalytic reduction of organic compounds. I. *Ibid.* 44:1922:1397. (4500)
with Roman, F. L., and Sperry, W. N.
The structure of the compounds produced from olefins and mercury salts: mercurated dihydrobenzofurans. *Ibid.* 44:1922:1781. (4000)
with Langley, W. D.
Condensation of certain nitriles and various polyhydroxyphenols to form phenolic acids. *Ibid.* 44:1922: 2320. (6000)
with Pierce, J. S.
Tetrahydro-1, 3, 2-oxazones and substituted gammaamino propa-
nols. *Ibid.* 45:1923:790. (3500)
with Carothers, W. H.
Platinum oxide as a catalyst in the reduction of organic compounds.
II. Reduction of aldehydes. Activation of the catalyst by the
salts of certain metals. *Ibid.* 45:1923:1071. (8300)
with Bullock, J. E., and Wilson, W. C.
Contribution to the structure of benzidine. *Ibid.* 45:1923:522.
(3500)
with Wilson, W. C.
Rings through the meta and para positions of benzene. A study of
certain ethers of resorcinol and meta-amino-phenol. *Ibid.* 45:
1923:528. (9000)
with Segur, J. B.
Beta-arylamino ethanols. *Ibid.* 45:1923:785. (4000)

ADAMS, ROGER

(4) Books (cont'd):

with Conant, J. B., Clarke, H. T., and Kamm, Oliver.

Organic syntheses. Vol. II. John Wiley and Sons, N. Y. 1922. 2000+
43000

with Marvel, C. S.

Organic chemical reagents IV. Univ. Press, Urbana, 1922. (32000)

ASHTON, B. L.

(3) Articles:

Some contrasts in the geography of the Virginia Piedmont and the
Illinois plain. *J. of Geog.* 22:1:16-20. (2000)

Geography in the interpretation of history. *Proc. of the H. S. Conf.*
U. of Ill. 20:29:378-83. (4100)

ATKINSON, H. V.

see Ets, H. N.

BABBITT, H. E.

(3) Articles:

Non-uniform flow and significance of drop-down curve in conduits.
Eng. News-Record, 89:25:1067-69. (2500)

BACON, C. S.

(3) Articles:

Some obstetrical problems involved in still-born births and deaths of
new-born infants. *J. of the Iowa State Med. Soc.* 13:1:15-21.
(6500)

BAKER, F. C.

(1) Book notices:

The mollusca collected by the University of Michigan-Walker expedi-
tion in Southern Vera Cruz, Mexico, by H. B. Baker. *Ecology*,
3:4:342. (100)

Final report on the study and appraisal of mussel resources in selected
areas of the upper Mississippi river by N. M. Grier. *Ibid.* 3:4:
342. (70)

The edible clams, mussels, and scallops of California by Frank W.
Weymouth. *Ibid.* 3:4:344-45. (224)

Mollusca of North Dakota by Mina L. Winslow. *Ibid.* 3:4:345. (75)

(2) Original reviews:

Stream pollution. A review of a paper, Stream pollution studies by
Russel Suter and Emmeline Moore. *Ibid.* 3:4:340-41. (480)

(3) Articles:

The molluscan fauna of the Big Vermilion River, Illinois, with special
reference to its modification as the result of pollution by sewage
and manufacturing wastes. *Biol. Mon. Univ. of Ill.* 7:2:1-126.
(15 plates)

Fluke infections and the destruction of the intermediate host. *J.*
Parasitology, 8:145-47. (1460)

The museum, the original exponent of visual education. *School, Sci.*
and Math. 22:7:651-55. *Trans. Ill. Acad. of Sci.* 15:107-12.
(2100)

BAKER, F. C.

(3) Articles (cont'd):

- A new *Anodontoides* from Wisconsin. *The Nautilus*, 36:4:123-25.
(600)
Description of a new *Lymnaea* from Yellowstone Park. *Ibid.* 36:4:
125-26. (225)
Pleistocene Mollusca from the vicinity of Joliet, Illinois. *Trans. Ill.*
Acad. of Sci. 15:408-20. (4650)

BAKER, J. B.

see Hamilton, T. S.

BALDWIN, E. C.

(3) Articles:

- An old panacea for the world's disease. *Amer. Israelite*, 69:28:8.
(1200)
A proposed investment in character. *Ibid.* 69:32:1. (1000)
Easter and the Passover. *Amer. Hebrew*, 112:20:606-42. (1500)

BAUER, E. E.

(3) Articles:

- with Richart, F. E.
Relations between voids and plasticity of cement mortars at different
relative water contents. *Proc. A. S. T. M.* 22:385-403. (4000)

BAUER, F. C.

(3) Articles:

- The foraging power of plants for phosphate rock. *J. Amer. Soc. of*
Agron. 15:3:99-109. (4000)

BAUER, R. S.

(4) Books:

- with Britton, W. E.
Britton and Bauer's Cases on business law. West Pub. Co., St. Paul,
1922. 5+1563 pp.

BAYLEY, W. S.

(1) Book notices:

- Petrog. methods and calculations* by Holmes. *Ec. Geol.* 17:4:306-7.
(600)
Petroleum—Where and how to find it by Blum. *Ibid.* 17:8:719.
(225)
Introduction to sedimentary petrography. *Ibid.* 18:2:198. (350)

(3) Articles:

- General features of the brown hematite ores of western North Caro-
lina. *U. S. Geol. Surv. Bul.* 735-F:111-208. (23000)
General features of the magnetite ores of western North Carolina and
eastern Tennessee. *Ibid.* 735-G:208-270. (31500)
Kaolins from pegmatites, N. Carolina. *Ibid.* 708:18-78. (30500)
Kaolins from pegmatites, S. Carolina. *Ibid.* 708:79-82. (2000)
Sedimentary clays, S. Carolina. *Ibid.* 708:164-94, 211-222, 230-32.
(23000)

BAYLEY, W. S.

(3) Articles (cont'd):

A magnetite-marble ore at Lansing, N. Carolina. *J. Elisha Mitchell Sci. Soc.* 37:3-4:138-52. (6000)

(4) Books:

Elementary crystallography. 2d ed. McGraw-Hill Bk. Co., New York, 1923. xii+241 pp.

BEAL, G. D.

(1) Book notices:

with Buswell, A. M.

Chemical examination of water, sewage, and foods by Purvis and Hodgson. *Ind. and Eng. Chem.* 15:2:212. (250)

(3) Articles:

with Gunton, J. A.

A reinvestigation of the proximate composition of *Rhamnus Frangula*. *J. Amer. Pharm. Assoc.* 11:9:669-82.

BEARD, G. H.

(3) Articles:

Contribution of student health services to public health. *J. of Amer. Med. Assoc.* 79:274-76. (2500)

Air space per patient and some factors that influence its determination. *The Mod. Hosp.* 19:37. (300)

BENTLEY, MADISON

(4) Books:

Psychological index, vol. 28. Psychol. Rev. Co., Princeton, N. J. 1922. v+168 pp.

BERDAHL, C. A.

(3) Articles:

The operation of the Richards primary. *Ann. Amer. Acad. CVI:* 195:158-71. (7500)

List of recent publications of political interest. *Amer. Pol. Sci. R. quarterly*, 1922-23.

American Political Science Review. Acting managing editor, Feb.-May, 1923.

BLANCHARD, W. O.

(3) Articles:

Man and topography in southwestern Wisconsin. *Ill. State Acad. of Sci.* 1922. (750)

(4) Books:

Geography of Illinois. (Supplement to McMurry and Parkins *Advanced geography*). Macm., N. Y., 1923. 60 pp.

BLUMBERG, HENRY

(2) Original reviews:

The theory of functions of a real variable by E. W. Hobson. *Sci.* 56:1455:574-76. (800)

(3) Articles:

New properties of all real functions. *Proc. Nat. Acad. of Sci.* 8:10:283-88. (2500)

BOYER, C. V.

- (1) Book notices:
 Hellenism or Calvinism? A review of Two reviews of education by Lane Cooper. *The Freeman*, 6:150:476. (750)
 The technique of Thomas Hardy by Joseph Warren Beach. *The Freeman*, 6:153:550. (250)
- (3) Articles:
 Self-expression and happiness. *Internat. J. of Ethics*, 33:3:263-90. (9000)

BRADLEY, M. J.

- (3) Articles:
 with Parr, S. W.
 Decomposition processes applicable to certain products of coal carbonization. *Chem. and Met. Eng.* 27:15:737-44. (12000)
Coke. Ill. Chem. 7:2:34-36. (4000)

BRAHANA, H. R.

- (3) Articles:
 Systems of circuits on two-dimensional manifolds. *Ann. of Math.* 23:144-68.

BRAUCHER, H. H.

- (3) Articles:
 Bird house architecture. A brief letter. *Ind. Arts M.* 11:6:24. (600)

BROOKS, N. C.

- (3) Articles:
 Scogan's *Quem quaeritis* and Till Eulenspiegel. *Mod. Lang. Notes*, 38:1:57. (500)

BROWN, E. V. L.

- (2) Original reviews:
 Glaucome and hypotonie by Felix LaGrange. *J. Amer. Med. Assoc.* 80:575. (375)

BROWN, H. A.

- (3) Articles:
 with Knipp, C. T.
 The effect of pressure and gas content on the action of vacuum tube detectors. *Phys. Rev.* 19:3:278-80.
 Alkali vapor detector tubes. *Ibid.* 21:2:209. *Radio News*, 4:8:1456. *Radio Age*, Nov., 1922.
 Alkali vapor detector tubes with variable spacing of electrodes. *Phys. Rev.* 21:3:287.
 The effect of alkali vapors and other gases at various pressures in thermionic tubes. *Trans. Ill. State Acad. of Sci.* 15:267-78.
 Photo-electric electron tubes. *Proc. Inst. of Radio Eng.* 10:6:451-67.
 Pressure and gas content in vacuum tube detectors. *Wireless Age*, 9:10:78-79.

BUNTING, E. N.

- (3) Articles:
 The determination of the porosity of highly vitrified bodies. *J. Amer. Cer. Soc.* 5:8:527-37. (3000)
 Note on the effect on manganese in glass melted under reduced pressure. *Ibid.* 5:9:594-96. (1000)

BURLISON, W. L.

- (3) Articles:
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(3) Articles:

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McDOUGALL, W. B.

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(2) Original reviews:

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(3) Articles:

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(3) Articles:

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(1) Book notices:

- Silent reading—A study of the various types by C. H. Judd and
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(3) Articles (cont'd):

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 The making of standardized educational tests (Part I). *Cath. School Interests*, 2:1:11-13. (4500)
 A simplified method of determining a pupil's score on Gray's Oral reading test. *School and Soc.* 15:385:538-40. (2000)
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(2) Original reviews:

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MOORE, H. F.

(3) Articles:

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(3) Articles:

The effect of open price association activities on competition and prices. *Amer. Econ. Rev.* 13:2:258-75. (10000)

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NEVENS, W. B.

(3) Articles:

Feeding and management of the dairy herd. *Ill. Agr. Exp. Sta. Circ.* 269. (15000)

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NEWCOMB, REXFORD

(1) Book notices:

Spanish interiors and furniture by Byne and Stapley. *Western Arch.* 31:7:90. (500)

Small French buildings by Coffin, Polehmus, and Worthington. *Ibid.* 31:7:90. (350)

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History of architecture upon the comparative method by Fletcher. *Ibid.* 32:2:21. (650)

(3) Articles:

Some interesting and historic European bridges. *Worth While*, 7:10:5-7, 25-29. (4000)

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 The new Harris-Selwyn "twin" theatres in Chicago. *Ibid.* 32:1:9-10. (2000)
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- Outlines of the history of architecture, Part I. Edwards Brothers, Ann Arbor, Mich., 1922. 101 pp.

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 President's address. Ill. State Dent. Soc. Trans. 1922:5-20. (1700 exhibits, 7750 discussion, 2550)

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(3) Articles:

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 The foundations for chemical development. J. Ind. and Chem. Eng. 14:9:1-4. (1000)
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 Preparation of absolute alcohol with calcium chloride and lime. J. A. C. S. 45:3:857-62. (2400)
 Transference experiments with electromeric derivatives of hydroxylamine (Hibben). *Ibid.* 45:2:355-59. (2400)
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 The ionization constant of hypochlorous acid. Evidence for amphoteric ionization. *Ibid.* 44:8:1630-37. (3000)
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- (4) Books:
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- (3) Articles:
 Removal of renal calculus from pelvis of floating kidney. *Surg. Clinics of N. Amer.* 2:3:593-601. (3000)
- (4) Books:
 Surgical diagnosis and treatment. Vol. 4. Lea and Febiger, Phila. 1922. (950)

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- (3) Articles:
 Another criticism of tests requiring alternative responses. *J. of Educ. Res.* 7:4:326-30. (2000)
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 An omnibus achievement test for the upper elementary grades. *Elem. School J.* 13:5:353-58. (2000)
 The effect of attendance upon school achievement. *Univ. of Ill. Bul.* 20:31:8. (2500)
- (4) Books:
 The use of intelligence tests as a basis of school organization and instruction. Univ. of Ill., Urbana, 1922. 78 pp.

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- (3) Articles:
 Early architecture of Ohio. Part. I. The Western Reserve. *Western Arch.* 31:10:112-15. (2200) (2 plates)
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OLDFATHER, W. A.

- (3) Articles:
 Bibliographical notes on the fables of Avianus. *Pap. Bibl. Soc. of Amer.* 15:2:61-72. (3000)
 An appeal for the Thesaurus linguae latinae. *Class. J.* 18:1:45-54. (3500)
 Lokris and 70 other articles on related topics. *Paulys Realencyclopaedie, Neue Bearb.* 170 cols. (80000)
 Studies in the history and topography of Lokris III. *Amer. J. of Arch.* 26:4:445-50. (2000)
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- (1) Book notices:
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OLMSTEAD, A. T.

(3) Articles:

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(3) Articles:

Soluble slats and clay wares. *J. Amer. Ceram. Soc.* 5:8:16. (5900)

Refractory clays of Illinois. *Ibid.* 5:10:8. (3600)

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PARR, S. W.

(3) Articles:

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PARRY, J. J.

(3) Articles:

Modern Welsh versions of the Arthurian stories. *J. of Engl. and Germ. Philol.* 21:4:572-600. (11000)

PATTON, J. M.

(3) Articles:

The edematous cardiopath. *Ill. Med. J.* 43:2:10. (2700)

PAUL, H. G.

(1) Book notices:

The book shelf. *Bul. of the Ill. Assoc. of Teachers of Engl.* 15:3:15-16. (700)

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Essential principles of teaching reading and literature by Leonard. *J. of Educ. Res.* 7:2:160-61. (500)

(3) Articles:

Visual education in the teaching of English. *Educ. Screen*, 2:5:206-8. (1500)

Some investigations for teachers of English. *Bul. of the Ill. Assoc. of Teachers of Engl.* 15:2:15-16. (600)

The research work of the Illinois association. Leaflet of the Wis. Teachers of Engl. 1:1:1-3. (1000)

PAUL, H. G.

(3) Articles (cont'd):

"Build thee more stately mansions." *Bul. of the Ill. Assoc. of Teachers of Engl.* 15:7:11-12. (500)

(4) Books:

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A manual for a course in practical English. Lyons and Carnahan, Chicago, 1922. 1+320 pp.

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Seven editorials. *Ibid.* 8:3. (700) 8:4. (1300) 9:1. (400) 9:2. (2000)

WRIGHT, IVAN

(3) Articles:

American banking system and agricultural credits. Bankers' Mag. 105:1:21-22. (1500)

How the farmers are financed. Farm Mech. Jan., 1923:27-31. (2600)

The federal farm loan system. *Ibid.* Feb., 1923:108-12. (2500)

The joint stock land banks. *Ibid.* Apr., 1923:42-46. (2500)

More and better credit facilities for farmers. Prairie Farmer, 95: 19:5, 25. (2000)

Land problems of the Mississippi valley. Miss. Vall. Mag. Apr., 1922: 15-16. (2000)

Cooperative organizations as business enterprises. Ill. Agric. 27:8: 221-22, 234. (2500)

Economic reclamation of Illinois. *Ibid.* 26:10:251-52. (1500)

(4) Books:

Bank credit and agriculture. McGraw-Hill Bk. Co., N. Y., 1922. 6+340 pp.

Farm mortgage financing. McGraw-Hill Bk. Co., N. Y., 1923. 6+343 pp.

Organization and operation of federal farm loan system. Univ. of Ill. Press, Urbana, 1922. 20 pp.

WYLIE, C. C.

(3) Articles:

The Cepheid variable Aquilae. *Astrophysical J.* 56:217-31. (4500)

The eclipsing binary Aquilae. *Ibid.* 56:4:232-46. (2800)

Eclipsing variables showing two spectra. (Abstracts) *Pub. of Amer. Astron. Soc.* 4:394-95. (100)

YOUNG, H. F.

see Fraser, Thomas.

YOUNG, P. T.

(1) Book notices:

Brief reviews of every article appearing in *Psychological Review*.
Psychol. Bul. 20:3:111 ff., 117, 125 ff., 128, 143 ff.

(3) Articles:

Series of different tones obtained from tunable bars. *Amer. J. of Psychol.* 33:3:385-94.

Movements of pursuit and avoidance as expressions of simple feeling.
Ibid. 33:4:511-26.

ZEITLIN, JACOB

(1) Book notices:

Philology at its best. A review of *Language* by Jespersen *Nat.* 115:2975:47-48. (1200)

Life of Hazlitt by P. P. Howe. *Litt. Rev. of N. Y. Eve. Post.* 3:17:348. (2000)

(2) Original reviews:

The case of Mr. Lewisohn. A review of *Up Stream*. *Memorah J.* 8:3:187-91. (3000)

ZELENY, CHARLES

(3) Articles:

The effect of selection for eye facet number in the white bar-eye race of *Drosophila melanogaster*. *Genetics*, 7:1:1-115.

Reverse mutation. Vol. I. *Genetics, Eugenics and the family*. *Proc. Second Internat. Cong. Eugenics*, 1:113-14.

The temperature coefficient of a heterozygote with an expression for the value of a germinal difference in terms of an environmental one. *Biol. Bul.* 44:3:105-12.

ZEUCH, W. E.

(3) Articles:

with Commons, J. R., and McCracken, H. L.

Secular trend and business cycles. *Harvard Rev. of Econ. Statis.* 4:14:35. (20000)



BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

MAY 1, 1923—APRIL 30, 1924

The publications of the faculty of the University of Illinois during the past year ended April 30, 1924, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ADAMS, L. A.

(3) Articles:

The shifting of the mammalian faunas, as shown by the Pleistocene remains of Illinois. *Ill. Acad. of Sci. Trans.* 16:140-44. (1500)

ADAMS, ROGER

(2) Original reviews:

Organic chemistry or chemistry of the carbon compounds by V. v. Richter. *J. A. C. S.* 45:7:1.

(3) Articles:

with Johnson, J. R.

Arsenated derivatives of phenyldiketo-pyrrolidine. *Ibid.* 45:5:1307-315.
with Kaufmann, R. J.

Production of imido thiol esters by the condensation of thiocyanates with resorcinol or phloroglucinol. *Ibid.* 45:7:1744-752.

with Mill, L. E.

Mercurated 1-methyl-, 2-dihydro-benzofurans. *Ibid.* 45:7:1842-854.
with Shriner, R. L.

Platinum oxide as a catalyst in the reduction of organic compounds.

III. Preparation and properties of the oxide of platinum obtained by the fusion of the chloro-platinic acid with sodium nitrate. *Ibid.* 45:9:2171-2179.

with Levine, I.

Simplification of the Gattermann synthesis of hydrox-aldehydes. *Ibid.* 45:10:2373-377.

with Sloan, A. W., and Taylor, B. S.

Aryl 1, 3-benzo-diozanes (aryl methylene-saligenins). *Ibid.* 45:10:2417-420.

with Graves, G. D.

Trihydroxy-methyl-anthraquinones. I. *Ibid.* 45:10:2439-455.

with Gardner, J. H.

Trihydroxy-methyl-anthraquinones. II. *Ibid.* 45:10:2455-462.

with Tomecko, C. G.

The allyl ethers of various carbohydrates. *Ibid.* 45:11:2698-2701.

with McElvain, S. M.

Synthesis of a new bicyclic nitrogen ring. Isogranatanine derivatives.

Preparation of an isomer of homo-cocaine. *Ibid.* 45:11:2738-750.

with Kaufmann, W. E.

ADAMS, ROGER

(3) Articles (cont'd):

The use of platinum oxide as a catalyst in the reduction of organic compounds. IV. Reduction of furfural and its derivatives. *Ibid.* 45:12:3029-3044.

with Rodewald, C. W.

Arsono-arylamino-alcohols. *Ibid.* 45:12:3102-3105.

ANDERSON, A. G.

(3) Articles:

Engineer's need—business initiative. *Iowa Eng.* 24:5. (2000)

APPLEGATE, GLADYS

see Beal, G. D.

ASHTON, B. L.

(3) Articles:

Geography in the interpretation of history. *Hist. Out.* 15:3:111-14. (4000)

Some contrasts in the geography of the Virginia Piedmont and the Illinois plain. *School, Sci. and Math.* 24:3:273-76. (1700)

AUSTIN, M. M.

(3) Articles:

Granular carbon resistor furnaces. *J. Ind. and Eng. Chem.* 16:2:156-57. (2000)

A mechanical model for metals. *Chem. Bul.* 11:1:12. (1000)

BABER, R. E.

(3) Articles:

with Ross, E. A.

Slow suicide among our native stock. *Cent. Mag.* 107:4:504-509. (2300)

BAILY, H. H.

(3) Articles:

A survey of the high school bookkeeping course. *U. of Ill. Bul. Pro. of the H. S. Conf.* 1924:151-60. (4200)

BAKER, F. C.

(1) Book notices:

The mollusca of Dickinson County by H. Barrington Baker. *Ecol.* 4:318. (100)

On the effect of salinity on *Teredo navalis* by H. F. Blum. *Ibid.* 4:318. (50)

The Champlain sea by Winnifred Golding. *Ibid.* 4:319. (75)

The mollusca of Oundle by Rev. C. E. Y. Kendall. *Ibid.* 4:319. (50)

Variations in the shell of *Teredo navalis* by Robert C. Miller. *Ibid.* 4:319. (85)

The Kentucky River and its mussel resources. *Ibid.* 4:430. (30)

BAKER, F. C.

(3) Articles:

Pleistocene mollusca from the vicinity of Joliet, Illinois. Trans. Ill. State Acad. Sci. 15:408-20. (4700)

The educational value of a university natural history museum. Sci. 58:55-57. (2100)

Some problems of a university curator. Mus. Work, 5:92-94. (100)

BAKER, R. H.

(1) Book notices:

Publications of the astronomical observatory of the University of Michigan. vol. 3. Sci. 58:467-68. (600)

(3) Articles:

The spectrum of Kappa Draconis. U. of Mich. Observatory Pub. 3:29-38. (3000)

The eclipsing of binary TX Herculis. U. of Missouri Observatory Pub. 3:1-13. (2000)

The eclipsing of binary RS Vulpeculae. *Ibid.* 3:15-27. (2000)

The eclipsing of binary TW Draconis. *Ibid.* 3:29-39. (2000)

with Campbell, W. W., and Moore, J. H.

The axis of symmetry in the sun's corona. Pub. of the Astron. Soc. of the Pacific, 35: 163-65. (L500)

BALDUF, W. V.

(3) Articles:

The insect of the soybean in Ohio. Ohio Agr. Exp. Sta. Bul. 3660: 145-181. (12250)

BALDWIN, E. C.

(3) Articles:

Jewish students and changing faith. Jewish Exponent, 73:25:2-9. (2000)

Confusion in our religious thinking. Amer. Israelite, 68:34:1. (1000)

The undying fire. B'nai B'rith News, 15:2:38-39. (1500)

A query answered. Amer. Israelite, 70:21:1. (800)

The Christian's Bible. *Ibid.* 70:30:1. (2000)

BAMBERGER, ARRIE

(3) Articles:

Gunshot injury involving ulnar nerve. Ill. Med. J. June, 1923. (800)

BAUER, F. C.

see DeTurk, E. E., Flint, W. P., and Smith, L. H.

BAUER, R. S.

(4) Books:

Cases on the law of damages. Callaghan and Co., Chicago, 1923. xi + 763 pp.

BAYLEY, W. S.

(1) Book notices:

Cements and artificial stone by John Watson. Econ. Geol. 18:4: 414. (150)

BAYLEY, W. S.

(1) Book notices (cont'd):

Maps, their history, characteristics, and uses by Sir H. G. Fordham.
Ibid. 18:5:518. (150)

(3) Articles:

The occurrence of rutile in the titaniferous magnetites of western
North Carolina and eastern Tennessee. *Ibid.* 18:4:382-92. (3600)

The place of state academies of science among scientific organizations.
Sci. 57:1483. (5250)

Studying mines with a microscope. (Abstract). *Trans. Ill. State
Acad. of Sci.* 16:27-28. (500)

BEAL, G. D.

(3) Articles:

Can the anthraquinone drugs be scientifically valued? *J. Amer. Pharm.
Assoc.* 13:3:215-17.

with Applegate, Gladys

Preparation of acid-fast caramels, II. The preparation of sucrose
caramel. *Ibid.* 12:10:850-53.

with Bowey, D. F.

Preparation of acid-fast caramels. *Ibid.* 12:5:405-10.

with Brown, J. B.

The highly unsaturated fatty acids of fish oils. *J. Amer. Chem. Soc.*
45:5:1289-303.

with Sparks, K. E.

Preparation of arsenic-free reagents. *Ind. and Eng. Chem.* 16:4:
369-70.

BEARD, J. H.

(3) Articles:

The school and public health. *School and Soc.* 18:145:1-9. (5500)

The relation of animal diseases to public health. *The North Amer.
Vet.* 4:12:607-21. (5000)

BEAUCHAMP, E. W.

see Bergeim, Olaf

BENDER, H. A.

(3) Articles:

Sylow subgroups in the group of isomorphisms of prime power Abelian
groups. *Amer. J. of Math.* 40:4:223-50. (14000)

BENTLEY, MADISON

(3) Articles:

A note on the 'expression' of simple feelings. *Psychol. R.* 30:326-27.
Applied science and science applied. *Sci.* 57:

(4) Books:

Psychological index (editor). vol. 29. Rev. Pub. Co., Princeton, 1923.
lvii + 275 pp.

A survey of psychology (mimeographed). 255 pp.

BERDAHL, C. A.

(1) Book notices:

Child labor and the constitution by Raymond G. Fuller. *Educ. Rev.* 67:3:175-76. (900)

(4) Books:

American political science review. (Acting editor) vol. 17:2-3. *Amer. Pol. Sci. Assoc.* Baltimore, 1923. 368 pp.

BERGEIM, OLAF

(3) Articles:

with Beauchamp, E. W.

A suggestion in the treatment of carbon monoxide poisoning. *Therapeutic Gaz.* 47:626-28. (1200)

with Leuders, C. W., and Rehfuess, M. E.

Quantitative determination of enzyme activity in duodenal fluids. *Amer. J. of Med. Sci.* 166:535-38. (2500)

with Leuders, C. W.

Quantitative determination of trypsin and lipase in gastric contents. *Amer. J. of Physiol.* 66:297-303. (2000)

(4) Books:

Non-surgical drainage of the biliary tract by B. B. Vincent Lyon. Chapter on "Quantitative determination of enzyme activity in duodenal fluids. Lea and Febiger, Phila. and N. Y., 1923. pp. 280-86. (3000)

BERMAN, EDWARD

(3) Articles:

The supreme court and the minimum wage. *J. of Pol. Econ.* 31:6: 852-56. (1700)

(4) Books:

Labor disputes and the President of the United States. Columbia Univ., N. Y., 1924. 284 pp.

BEVAN, ARTHUR

(3) Articles:

Summary of the geology of the Beartooth mountains, Montana. *J. of Geol.* 31:6:441-65. (7000)

(4) Books:

The interpretation of earth history: a laboratory guide and notebook in historical geology (mimeographed edition). Edwards Bros., Ann Arbor, Mich., 1924. 3 + 42 pp.

BERZUNZA, JULIUS

(1) Book notices:

Spanish ballads by G. Le Strange. *Hispania.* 7:2:143-45. (1000)

BLANCHARD, W. O.

(3) Articles:

Foreign trade routes of Bolivia. *J. of Geog.* 22:341-45. (1500)

An energy map of the United States. *Ibid.* 22:274-78. (1600)

BLANCHARD, W. O.

(3) Articles (cont'd):

Some geographic factors affecting agriculture in Illinois. *Ibid.* 23:1-6.
(1800)

The agricultural provinces of Illinois. *Ibid.* 23:6-16. (3600)

BLATT, M. L.

(3) Articles:

Infant feeding simplified for the general practitioner. *Ill. Med. J.*
Jan., 1924. (1200)

BLUMBERG, HENRY

(2) Original reviews:

Einleitung in die mengenlehre by A. Fraenkel. *Ann. of Math.* 30:4:
198-201. (1500)

(3) Articles:

New properties of all real functions. *Trans. of the Amer. Math. Soc.*
24:2:113-28. (6000)

BOGART, E. L.

(3) Articles:

Persia: its economic and financial status. *Kimber's Foreign reports.*
3:88:74-79. (2000)

Taxation in Persia. *Bul. of Nat. Tax Assoc.* 9:6:170-72. (1600)

Economic history of American agriculture. Longmans, Green and Co.,
N.Y., 1923. x + 173 pp.

BOLAN, A. R.

(3) Articles:

Honduranian snapshots, illus. with original photographs. *Health Mag.*
3:10:14-22. (4500)

BOSMAN, VERNON

see Parr, S. W.

BOWEY, D. F.

see Beal, G. D.

BOYER, C. V.

(1) Book notices:

Shakespeare's characters. A review of Character problems in Shakespeare's plays by Levin L. Schucking. *The Freeman.* 7:181:596-97. (1100)

BRAHANA, H. R.

(3) Articles:

The four color problem. *Amer. Math. Mo.* 30:5:234-43.

A theorem concerning certain unit matrices with integer elements.
Ann. of Math. 24:3:265-70.

- BRALEY, S. A.
(3) Articles:
with Schneider, R. F.
Transference numbers of sodium and potassium in mixed chloride solution. *J. Amer. Chem. Soc.* 45:5:1121-134. (4000)
- BRAMS, J.
see Pilot, I.
- BRAMS, W. A.
see Pilot, I.
- BRODE, W. R.
(3) Articles:
The determination of hydrogen-ion concentration by a spectro-photometric method and the absorption spectra of certain indicators. *J. Amer. Chem. Soc.* 46:3:581-96. (7500)
- BROOKS, MORGAN
(3) Articles:
Development in railway electrification. *The Technograph*, 36:2:61-110. (3000) (illus.)
- BROOKS, N. C.
(3) Articles:
The mastersinger stage. *J. of Engl. and Germ. Philol.* 22:3:327-46. (8000)
- BROUGH, G. A.
see McGuigan, Hugh.
- BROWN, E. V. L.
(3) Articles:
The etiology of iritis. *J. Amer. Med. Assoc.* 81:1770-774. (4500)
- BROWN, H. A.
(3) Articles:
with Knipp, C. T.
Alkali vapor detector tubes. *J. of the A. I. E. E.* 43:7. (3450)
The alkali vapor detector tube. *Pop. Radio*, 4:2:3. (1200)
(4) Books:
with Knipp, C. T.
Alkali vapor detector tubes. *Eng. Exp. Sta. Bul.* 138. 1923. 30 pp.
- BROWN, J. B.
see Beal, G. D.
- BROWN, MORRIS
see Smith, G. F.

BROWNELL, W. A.

(1) Book notices:

An English school survey. Rural education by Arthur W. Ashby and Phoebe G. Byles. *Elem. School J.* 24:1:68-69. (600)

Suggestions for instructors in elementary English. Methods in elementary English by Nell J. Young and F. W. Memmott. *Ibid.* 24:3:236-37. (400)

Vitalizing education through the use of motion pictures. Motion pictures in education by Don Carlos Ellis and Laura Thornborough. *School Rev.* 32:8:630-31. (500)

A new treatment of educational history. The children of England, by J. J. Findlay. *Ibid.* 31:9:710-11. (500)

BURLISON, W. L.

see Flint, W. P.

BUSWELL, A. M.

(3) Articles:

Importance of oxygen and stirring for activated sludge growth. with Gallaher, W. U.

Determination of dissolved oxygen in the presence of iron salts.

CALVIN, J. K.

(3) Articles:

Calcium and phosphorous determinations in the blood plasma in rickets and tetany. *Amer. J. of Dis. of Children.* 86:271-79. (2500)

CAMERON, E. H.

(1) Book notices:

How to teach handwriting by F. N. Freeman and Mary J. Daugherty. *Elem. School J.* 24:6:470.

Tests and projects. *Cath. School Interests*, 3:2:43-44.

The psychology of saving. *Ann. of the Amer. Acad. Pol. and Social Sci.* 110:199:156-64.

CAMP, C. C.

(3) Articles:

Expansions in terms of solutions of partial differential equations. First paper: Multiple Fourier series expansions. *Trans. Amer. Math. Soc.* 25:1:123-34. (4500)

Expansions in terms of solutions of partial differential equations. Second paper: Multiple Birkhoff series.

CAMPBELL, W. W.

see Baker, R. H.

CANTER, H. V.

(3) Articles:

Methods of teaching Latin composition. *Proc. H. S. Conf., 1923, Univ. of Ill. Bul.* 21:25:132-43. (8151)

CANTER, H. V.

(4) Books:

with Oldfather, W. A., and others

Aeneas Tacitus. Loeb classical lib. ed. Putnam, N. Y., 1923. 225 pp.

CARD, L. E.

(3) Articles:

How a chicken gets its clothes. *Count. Gent.* 88:40:11. (2000)

Corn belt feeds for corn belt hens. *Ibid.* 89:1:2. (1000)

When a chicken's legs won't work. *Ibid.* 89:6:12. (2000)

The egg and the chick. *Amer. Poult. J.* 55:1:16-17, 99-100. (2500)

with Mitchell, H. H.

The vitamin requirements of growing chickens. *Poult. Sci.* 2:4:117-124. (2500)

with Hamilton, T. S.

The utilization of lactose by the chicken.

CARMICHAEL, R. D.

(1) Book notices:

Review of Rougier's *La structure des théories deductives*. *Lit. Rev.* June, 1923. 737. (500)

Review of Einstein's *The meaning of relativity*. *Sci.* 57:642-43. (1000)

Review of the New volumes of the *Encyclopaedia Britannica*. *Ibid.* 57:721-24. (2000)

Review of volume III of Lie's *Memoirs*. *Amer. Math. Soc. Bul.* 29:367-69. (1800)

Review of *Algebraic numbers* by Dickson, Mitchell, Vandiver and Wahlin. *Amer. Math. Mo.* 30:327-28. (500)

Review of volume III of Dickson's *History of the theory of numbers*. *Lit. Rev.*, Dec. 1, 1923. 306. (800)

Review of Dickson's *Algebras and their arithmetics*. *Ibid.* Jan. 19, 1924. 456. (600)

Review of Hobson's *Domain of natural science*. *Sci.* 59:145-146. (650)

Letter concerning Keyser's *Mathematical philosophy*. *Lit. Rev.*, Feb. 16, 1924. (900)

Reviews of three French books on philosophy. *Ibid.* Mar. 8, 1924. (1200)

(2) Original reviews:

Review of volume III of Dickson's *History of the theory of numbers*. *Amer. Math. Mo.* 30:259-62. (2200)

(3) Articles:

The international work of scientific synthesis. *Sci.* 57:529-32. (1600)

Empirical theorems in Diophantine analysis. *Math. Teacher.* 16:257-65. (3800)

Concerning the postulational treatment of empirical truth. *Monist.* 33:513-55. (14000)

What is the place of postulate systems in the further progress of thought? (French trans. of the same on pp. 75-83 of the supplement to the same issue.) *Scientia.* 34:369-78. (3600)

CARMICHAEL, R. D.

(3) Articles (cont'd):

The structure of exact thought. *Monist.* 35:63-95. (10500)

Mathematics in the U. S. today. *Amer. Mercury*, May, 1924. 79-83.
(2750)

The present state of the difference calculus and the prospect for the
future. *Amer. Math. Mo.* 31:169-83. (8000)

CARNAHAN, D. H.

see Seymour, A. R.

CARTER, R. E.

see Monroe, W. S.

CARNAHAN, D. H.

(3) Articles:

Are French teachers justifying themselves? *Mod. Lang. J.* 8:5:267-
73. (2500)

Good teaching. *Ibid.* 8:7:405-15. (4000)

(4) Books:

with Seymour, A. R.

Short Spanish review grammar. D. C. Heath, Boston, 1923. 5+ 184 pp.

CASE, H. C. M.

(3) Articles:

with Mosher, M. L.

The place of the beef cattle feeding enterprise in the organization of
corn belt farms. *J. of Farm. Econ.* 6:2:179-191. (5000)

The financial status of farmers in Illinois. *Ill. Agric.* 28:72-74. (2000)

Increasing farm earnings by use of simple farm accounts. *Univ. of Ill.*
Bul. 252:1-32.

CHAMBERLAIN, R. T.

see Shepard, F. P.

CHANDLER, S. C.

(3) Articles:

with Flint, W. P., Houser, J. S. and Glenn, P. A.

The apple flea-weevil, *Ochestes pallicornis* Say (order Coleoptera, family
Curculionidae). *Ill. State Lab. of Nat. Hist. Surv. Bul.* 15:1:1-37.
(10000)

CHAPIN, GEORGE.

(3) Articles:

Training U. of I. men for service. *Lions Club M.* 6:9:8-9, 35. (3000)

The undergraduate who studies Kiwanis et al. *The Kiwanis M.* 9:4:158-
59. (2200)

Will train young men for commercial secretaryships and community
service. *The City Builder*, Atlanta, Ga. 9:2:42-44. (2000)

University established department for training secretaries for chamber
of commerce work. *The Grand Rapids Progress*, Grand Rapids,
Mich. 13:4:4. (1500)

CHAPIN, GEORGE.

(3) Articles (cont'd):

- College courses in chamber of commerce work. N. Y. State Chamber of Commerce, Mo. Bul. 15:9:43-44. (800)
- First world's course for secretaries at U. of I. Ill. J. of Com. 6:5:49, 60-61. (2000)
- Introducing the student to the chamber of commerce. Current Affairs, Boston, Mass. 14:46:7-8. (1500).
- Special courses in chamber of commerce work are started at the University of Illinois. Chi. Com. 20:4:18. (1000)
- The two tests for judging copy. Judicious Adv., Chi. 22:2:85, 87, 89. (2000)
- University of Illinois offers course. Railway Age. 76:7:430. (1500)
- Opinion of university students regarding high school preparation. The Christian Sci. Mon. Feb. 21, 1924. (2200)
- Chinese student and state university. *Ibid.* Mar. 16, 1924. (1500)

CHARTERS, W. W.

see Paul, H. G.

CHRISTOPHER, FREDERICK

(2) Original reviews:

Peri-arterial sympathectomy. Internat. Abs. of Surg. 1923:207-12. (5000)

(3) Articles:

- Fractures of the fifth metatarsal. Surg., Gynec. and Obstet. 1923:190-94. (1800)
- Surgical treatment of lateral cervical fistula. *Ibid.* 1924:329-35. (3500) with Halstead, A. E.
- Calcification and ossification of the meninges. Arch. of Surg. 6:8:47-57. (5000) with Davison, Charles
- The use of boiled beef-bone intramedullary pegs in the fractures of long bones: an experimental study. Surg., Gynec. and Obstet. 1924: 534-42. (3000)

CLARK, A. H.

(1) Book notices:

Review of Simon and Base's Manual of chemistry. J. A. Ph. A. 13:4: 391-92. (400)

(3) Articles:

Unsolved problem of U. S. P. revision. J. A. Ph. A. 13:4:330-33. (1500)

CLARK, J. A.

(3) Articles:

with Monroe, W. S.
Measuring teaching efficiency. Univ. of Ill. Bull. 21:22:26. Educ. Res. Circ. 25. (10000)

CLARKE, H. T.

see Adams, Roger

- COALE, J. W.
see DeTurk, E. E.
- COBLE, A. B.
(1) Book notices:
Etude geometrique des transformations birationnelles et des courbes planes par Henri Malet. Amer. Math. Soc. Bul. 29:1:38. (200)
- (3) Articles:
Cremona transformations and applications to algebra, geometry and modular functions. *Ibid.* 28:7:329-64. (14000)
Associated sets of points. Amer. Math. Soc. Trans. 24:1:1-20. (11000)
Geometric aspects of the abelian modular functions of genus four (III). Nat. Acad. of Sci. Proc. 9:6:183-87. (1400)
- COLBY, A. S.
(3) Articles:
Small fruit experiments at the Urbana station. Ill. Hort. Soc. Trans. 57:144-57. (3500)
Solving problems in fertilizing and spraying small fruits. *Ibid.* 57:317-29. (2300)
The control of anthracnose of black raspberries. Amer. Fruit Grower Mag. 44:4:44. (500)
What small fruit varieties can we recommend? *Ibid.* 44:4:45. (200)
Moisture conservation in the small fruit plantation. *Ibid.* 44:5:31-34. (1600)
- CONANT, J. B.
see ADAMS, ROGER
- COX, F. W.
(3) Articles:
Pleistocene deposits in Lawrence county. Ill. State Acad. of Sci. Trans. 16:347-52. (2000)
- COX, G. J.
see Rose, W. C.
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 (3) Articles:
 Rapid silent reading and speech. Presidential address, Illinois Association
 of Teachers of English, Nov. 23, 1923. *Proc. of the H. S. Conf.*
Univ. of Ill. Bul. 21:25:168-73. (1500)
 Editorials. *Q. J. of Speech Educ.* 9:3:283-85. (700) 9:4:371-75. (1500)
- WRIGHT, IVAN
 (3) Articles:
 Banking facilities for farmers. *Prairie Farmer.* May, 1923. (2000)
 Using your local banker. *Ibid.* July, 1923. (1500)
 Agrarian theory of business cycles. *Ill. Agric. Feb.,* 1924. (1500)
 More and better credit facilities for farmers. *Prairie Farmer.* Aug., 1923.
 (2000)
 (4) Books:
 Mortgage financing. McGraw-Hill, N. Y. 1923. 6 + 343 pp.

WYLIE, C. C.

(3) Articles:

Day and night on the moon, text book confusion. *Pop. Astron.* 31:7:449-50. (475)

Occultations of Venus and Aldebaran. *Astron. J.* 35:13:102-103. (400)

YERGER, C. F.

(3) Articles:

Traumatic abscess of the nasal septum in children, with a report of five cases. *Ill. Med. J.* 45:4:278-82. (4000)

Otitic abscess of the cerebellum. *J. A. M. A.* 80:244-45. (2000)

YOUNG, P. A.

(3) Articles:

with Plunkett, O. A. and Ryan, R. W.

A systematic presentation of a new genera of fungi. *Amer. Micr. Soc. Trans.* 42:1:43-67.

with Guba, E. F.

Check list of important references dealing with the taxonomy of fungi.

Ibid. 43:1:17-67.

with Tehon, L. R.

Notes on the climatic conditions influencing the 1923 epidemic of stem rust of wheat in Illinois. *Phytopathology.* 14:2:94-100.

A new hysteriorium from Illinois. *Mycologia.* 16:1:30-32.

Red plum curl (caused by *Exoascus mirabilis* Atk.). *Phytopathology.* 14:2:126.

YOUNG, P. T.

(3) Articles:

Constancy of affective judgment to odors. *J. of Exp. Psych.* 6:3:182-92.

A differential color mixer with stationary disks. *Ibid.* 6:5:323-44.



BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

MAY 1, 1924—APRIL 30, 1925

The publications of the faculty of the University of Illinois during the past year ended April 30, 1925, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ABBOTT, HOWARD C.

(3) Articles:

An easy method of mounting superficial fungi for study. *Phytopathology*. 15:4:345-46. (300)

ADAMS, ROGER

(2) Original reviews:

Arbeitsmethoden für organisch-chemisch laboratorien by Prof. Dr. Lassar-Cohn. *J.A.C.S.* 47:3:1.

(3) Articles:

with Jacobson, R. A.

Trihydroxy-methylanthraquinones. III. Synthesis of emodin. *J.A.C.S.* 46:5:1312-16. (2500)

with Montgomery, Edna

Simplification of the Gatterman synthesis of aromatic aldehydes. II. *Ibid.* 46:6:1518-21. (1500)

with Shriner, R. L.

The preparation of palladous oxide and its use as a catalyst in the reduction of organic compounds. VI. *Ibid.* 46:7:1683-93. (3500)

with Bauer, W. W.

Diarsono-diphenyl and derivatives. *Ibid.* 46:8:1925-31. (4000)

with Noller, C. R.

The use of aliphatic acid anhydrides in the preparation of ketones by the Friedel and Craft's reaction. *Ibid.* 46:8:1889-96. (2200)

Optically active dyes. II. Adsorption, absorption spectra, and rotation. *Ibid.* 46:9:2032-43. (4000)

with Jacobson, R. A.

Polyhydroxy-methylanthraquinones. IV. Condensation of opianic acid with substituted phenols. Orientation in the preparation of anthraquinones. *Ibid.* 46:12:2788-93. (2500)

with Koten, I. A.

Certain reactions of the alkyl and aryl mercuric hydroxides. *Ibid.* 46:12:2764-69. (2600)

with Rassweiler, C. F.

The structure of dehydro-acetic acid. *Ibid.* 46:12:2758-64. (3000)

with Jacobson, R. A.

Trihydroxy-methylanthraquinones. V. Synthesis of morindone. *Ibid.* 47:1:283-99. (3200)

ADAMS, ROGER

(3) Articles (cont'd):

with Ogden, Katherine

Arsonophenyl-cinchoninic acid and derivatives. *Ibid.* 47:3:826-30.
(2000)

with Carothers, W. H.

Platinum oxide as a catalyst in the reduction of organic compounds.

VII. A study of the effects of numerous substances on the platinum catalysis of the reduction of benzaldehyde. *Ibid.* 47:4:1047-63. (7500)

with Pierce, J. S.

Platinum oxide as a catalyst in the reduction of organic compounds.

VIII. The reduction of alkyl furyl carbinols. *Ibid.* 47:4:1098-1104. (2600)

with Kern, J. W. and Shriner, R. L.

Platinum and palladium oxides as catalysts in the reduction of organic compounds. IX. The reduction of olefines. *Ibid.* 47:4:1147-58. (4700)

see also Carothers, Wallace H.

(4) Books:

with Kamm, Oliver (Editor in Chief), Clarke, H. T., Conant, J. B., Marvel, C. S., and Whitmore, F. C.

Organic Synthesis. IV. John Wiley and Sons, N. Y. 1925.

ANDERSON, ARTHUR G.

(3) Articles:

The teaching of business. *Amer. Ec. Rev. (Sup.)* 15:1:76-78. (1000)

Planning the new building. *Man. and Admin.* 9:2:117-20. (3000)

Planning the construction program. *Ibid.* 8:6:595-98. (3000)

Most engineers become managers. *Ia. Eng.* 25:5:6-8. (2500)

ANDERSON, A. MARIE

(3) Articles:

Art and home economics. *U. of Ill. Bul.* 22:17:142-46. (3550)

ANDERSON, H. W.

(3) Articles:

Apple and pear scab and apple blotch. *Ill. Hort. Soc. Trans.* 1924. 58:364-74.

Rhizopus rot of peaches. *Phytopathology.* 1925. 15:122-25.

Observations on fruit diseases in 1924. *Ill. Hort. Soc. Trans.* 58:243-59.

Some observations on bacterial shot hole of peach. *Ibid.* 1924. 58:488-505.

Shot hole for bacterial spot of peach. *Amer. Fruit Grow. Mag.* 1925. 45:26, 29, 38.

ANDREWS, EDMUND

(2) Original reviews:

Sections on abdominal surgery. *Med. Ann., Bristol.* John Wright and Sons. 1925. pp. 7, 31, 88, 185, 212, 214, 221, 319, 419, 424. (17,000)

ANDREWS, EDMUND

(3) Articles:

The closure of large femoral and inguinofemoral defects. *Surg., Gyn. and Obstet.* 39:745-59. (1500)

A method of herniotomy utilizing only white fascia. *Ann. of Surg.* 80:225-38. (2500)

Choice of operation for inguinal hernia. *Med. J. and Rec.* 120:57-67. (2000)

ASHTON, BESSIE L.

(3) Articles:

Trade of the United States with Latin America: some recent changes. I. *School, Sci. and Math.* 24:8:834-40. (3000). II. *Ibid.* 25:1:49-52. (1650)

BABBITT, H. E.

(3) Articles:

Plans for plumbing research. *Ill. Mast. Plumb.* 3:12:85-87. (2500)

(4) Books:

Sewerage and sewage treatment. John Wiley and Sons, N. Y. 1925. 2d ed. 2 + 516 pp.

Hydraulics and pneumatics of house plumbing. *U. of Ill. Eng. Exp. Sta. Bul.* 143. 1924. 80 pp.

BABCOCK, KENDRIC C.

(1) Book notices:

Select British documents of the Canadian war of 1812, edited by Wm. Wood. vol. II.

A history of Minnesota by Wm. W. Folwell, vol. II. *Amer. Hist. Rev.* 30:3:623-25. (700)

BABER, RAY ERWIN

(4) Books:

with Ross, Edward Alsworth

Changes in the size of American families in one generation. University of Wisconsin, Madison, Wis. 1924. 100 pp.

BACHEM, ALBERT

(3) Articles:

Unfiltered and filtered X-ray dosage. *J. of Rad.* 5:5:155-56. (2000)

Unfiltered and filtered X-ray dosage. *Rad.* 3:4:335-40. (3500)

The therapeutic use of various qualities of Roentgen and radium rays. *J. of Rad.* 6:4:133-37. (4000)

(4) Books:

Principles of X-ray and radium dosage. Priv. pub. Chicago. 1923. 6+274 pp.

BAKER, FRANK COLLINS

(1) Book notices:

Studies of the biology of freshwater mussels. III. Distribution and movements of Winona Lake mussels by William R. Allen. *Ecol.* 5:220. 1924. (144)

BAKER, FRANK COLLINS

(1) Book notices (cont'd):

The mollusca collected by the University of Michigan—Williamson expedition in Venezuela by H. Burrington Baker. *Ibid.* 5:221. 1924. (100)

Biology and economic value of the sea mussel, *Mytilus edulis*, by Irving A. Field. *Ibid.* 5:306. 1924. (50)

Mollusca of the southwestern states. XI. From the Tucson range to Ajo, and mountain ranges between the San Ledro and Santa Cruz rivers, Arizona by H. A. Pilsbry and J. H. Ferriss. *Ibid.* 5:222. 1924. (90)

(2) Original reviews:

The small bottom and shore fauna of the middle and lower Illinois River and its connecting lakes, Chillicothe to Grafton: its valuation, its sources of food supply, and its relation to the fishery by Robert E. Richardson. *Ibid.* 5:410-18. 1924. (1200)

(3) Articles:

The use of molluscan shells by the Cahokia mound builders. Ill. State Acad. of Sci. 1924. 16:328-34. (2500)

The place of the museum in university instruction. *Museum Work*, 1924. 7:81-87. (2100). *School Life*, 1924. 10:33-35. (2100)

The fauna of the Lake Winnebago region. A quantitative and qualitative survey with special reference to the mollusca. *Trans. Wis. Acad. of Sci., Arts, Letters.* 21:109-46. (16,000)

BALDUF, W. V.

(3) Articles:

with Flint, W. P.

Calcium cyanide for chinch bug control. *U. of Ill. Agr. Exp. Sta. Bul.* 249:73-84. (6000)

A plea for the study of insects in secondary schools. *School, Sci. and Math.* 24:845-48. (1250)

BALDWIN, E. C.

(3) Articles:

Hebrew religious education. *Sentinel.* 54:13:31. (900)

Christian and Jew have not discordant faiths. *Supplement.* 6:64:13. (500)

Religion and the world's disease. *Cincin. Enq.* 81:336:11. (1000)

A suggested program of ethical education. *B'nai B'rith News.* 39:4:1-2. (1200)

"And on the left hand, hell." *Mod. Lang. Notes.* 40:4:251. (400)

BAUER, F. C.

see DeTurk, E. E., Smith, L. H., and Smith, R. S.

BAYLEY, W. S.

(1) Book notices:

Principles of stratigraphy by A. G. Grabau. *Econ. Geol.* 19:1:106. (75)

BAYLEY, W. S.

(4) Books:

Magnetic iron ores of east Tennessee and western North Carolina. N. C. Geol. and Econ. Sur. Bul. 32. 252 pp. Tenn. Dept. of Educa., Div. of Geol. Bul. 29. 252 pp.

BEAL, GEORGE D.

(3) Articles:

with North, E. O.

The preparation, properties, and uses of silicoduodecitungstic acid.

I. The preparation of the acid and its salts. J.A.Ph.A. 13:10:889-98. (4500)

with North, E. O.

The preparation, properties, and uses of silicoduodecitungstic acid. II.

The use of the acid as a volumetric reagent for alkaloids. *Ibid.* 13:11:1001-9. (3500)

BEARD, J. HOWARD

(3) Articles:

The opportunity of preventive medicine in institutions of higher learning. J.A.M.A. July, 1924. 83:251-56. (6000)

The relation of animal disease to public health. Nat. Health. 6:7:469-72. (5000)

The medical observations and practice of Lewis and Clark. Sci. Mo. 20:8:506-27. (8000)

Some comments on the physical findings in high-school graduates. Ill. Health News. 10:9:236-45. (3500)

BENDER, H. A.

(3) Articles:

A new method for the determination of the group of isomorphisms of the symmetric group of degree n . Amer. Math. Mo. 31-6:287-90. (1000)

Determination of all the prime power groups containing only one invariant subgroup of every index which exceeds this prime number.

Trans. Amer. Math. Soc. 26:4:427-34. (3600)

BENJAMIN, A. CORNELIUS

(2) Original reviews:

Review of Logic, Part III, by W. E. Johnson. J. of Phil. 22:4:98-105. (4000)

BENTLEY, MADISON

(4) Books:

The field of psychology. D. Appleton and Co., N. Y. 1924. xvi+545 pp.

Psychological index (editor). Psych. Rev. Co., Princeton, 1924. xxxii+249 pp.

BERDAHL, CLARENCE A.

(2) Original reviews:

Aarbog for de Nordiska Interparlamentariske Grupper, Fjerde Aargang, 1921, by A. Lauesgaard, and

Årsbok för de Nordiska Interparlamentariska Grupperna. Femte Aargang, 1922, edited by P. Widegren. Amer. Pol. Sci. Rev. 18:2: 411-13. (600)

(3) Articles:

Recent publications of political interest. Amer. Pol. Sci. (quarterly) 18:2:433-60. 18:3:657-86. 18:4:836-60. 19:1:222-51. (50,000)

Report on methods of research with respect to the cost of nominating systems. Pub. by National Conference on the Science of Politics, Chicago, Sept., 1924 (mimeographed form). (3000)

La désignation des candidate à la présidence aux États-Unis. Revue du Droit Public et de la Science Politique. 41:4:541-71. (10,000)

BERGEIM, OLAF

(3) Articles:

Intestinal chemistry. I. The estimation of intestinal reductions. J. Biol. Chem. 62:45-48. (1600)

Intestinal chemistry. II. Intestinal reductions as measures of intestinal putrefaction, with some observations on the influence of diet. *Ibid.* 62:49-60. (4500)

BERMAN, EDWARD

(1) Book notices:

Labor in the coal mining industry (1914-1921) by G. D. H. Cole. Amer. Econ. Rev. 14:2:340-41. (550)

Child labor and the Constitution by R. G. Fuller. *Ibid.* 14:2:343-44. (500)

(3) Articles:

Odd jobbers. The Survey. 53:8:466-68. (2800)

BEUKER, HERMAN

see Kremers, H. C.

BEVAN, ARTHUR

(3) Articles:

Outlines of the geology of the Oregon quadrangle. Trans. Ill. Acad. Sci. 17:187-93. (2600)

Peculiar hail. Science. 58:1509:443-44. (750)

BLANCHARD, W. O.

(4) Books:

Laboratory exercise and notebook in economic geography. U. of Ill., Urbana, Ill. 20 pp. (mimeographed, bound vol.)

Geography of Europe. Exercises and problems. *Ibid.* 115 pp.

Geography of South America. Supplementary exercises and problems. *Ibid.* 75 pp.

Geographic aspects of some great world commodities. *Ibid.* 55 pp.
Geographic aspects of transportation. *Ibid.* 56 pp.

BLAYNEY, J. R.

(3) Articles:

Some factors in root-canal treatment. *J. Amer. Dent. Assoc.* 11: 840-50. (5000)

The problem of teaching root-canal technic. *Ibid.* 11:1187-96. (5000) with Wach, Edward C.

A study of tissue repair around resected root-ends. *Dent. For.* 1:58-60. (700)

BOGART, ERNEST L.

(3) Articles:

Balancing national budgets. *Com. on Econ. Aspects of Internat. Affairs*, Chicago, April, 1924. p. 16-29. (6600)

(4) Books:

Internal improvements and State debt in Ohio. Longmans, Green and Co., N. Y. 1924. x+253 pp.

BOLAN, ANNA REGINALDA

(3) Articles:

What your dentist owes you (illustrated with original photographs). *Hygeia.* 2:6:357-58. (2000)

On the trail of the Duchess. *Ibid.* 2:8:481-83. (3500)

Men and trees—North, South, East, and West. *Amer. Forests and Forest Life.* 30:371:649. (1000)

BOUGHTON, I. B.

see Tunnicliff, E. A.

BOYD, ANNE M.

(3) Articles:

Pamphlet biographies and publisher's bulletins. *Librar. Occurrent.* 7:6:159-61. (3000)

BOYER, C. V.

(1) Book notices:

Der Bauer in der englischen Literatur by Paul Meissner. *J. of Engl. and Germ. Philol.* 24:2:257-62. (3000)

BRADLEY, MANSON JAMES

(3) Articles:

Chemical engineering equipment for university laboratories. *Ind. and Eng. Chem.* 17:5:496-98. (1800)

Chemical engineering. *Ill. Chem.* 8:4:90-97. (4000)

BRANNON, J. M.

see Tracy, Paul H.

BROOKS, N. C.

(2) Original reviews:

An introduction to German by Prokosch and Morgan. *Mod. Lang. J.* 8:515-20.

BROOKS, N. C.

(3) Articles:

Notes on performances of French Mystery plays. *Mod. Lang. Notes.* 39:276-81. (3000)

Schrecke lauten. *Ibid.* 40:76-79. (1300)

BROWN, HUGH A.

(3) Articles:

with Keener, C. A.

Non-carrier radio telephone transmission. *U. of Ill. Exp. Sta. Bul.* 145. 22 pp.

Improving the signal to static ratio in radio reception. *Proc. Ill. Soc. Eng'rs.* 1:4-5.

BROWN, L. T.

(3) Articles:

The influence of exercise on muscle tonus as exhibited by the knee-jerk. *Amer. J. of Phys.* 72:2:341-48. (2000)

BROWN, REX L.

(3) Articles:

with Slater, W. A.

Control of concrete for the University of Illinois Stadium. *Proc. Amer. Concr. Inst.* 20:403-19. 1924. (3300)

BUNDY, MURRAY W.

(3) Articles:

Shakespeare and Elizabethan psychology. *J. of Engl. and Germ. Philol.* 23:4:516-49. (11,000)

(4) Books:

with Kelso, Ruth

Girolamo Fracastoro *Naugerius, Sive de Poetica Dialogus*. Introduction to English translation. *U. of Ill. Studies in Lang. and Lit., Urbana, Ill.* 1924. p. 9-24.

BURGE, W. E.

(3) Articles:

An explanation for the helpful effect of administering oxygen with anesthetics. *Cur. Res. in Anesth. and Analg.* 3:3.

A comparison of the effect of different anesthetics on the catalase content and oxygen consumption of unicellular organisms. *Ibid.* 3:3.

Proof that the hot summer weather increases and the cold winter weather decreases the catalase content of the needles of evergreen trees corresponding with an increase and decrease produced in their respiratory metabolism. *Amer. J. of Physiol.* 72:1.

Effect of temperature and light on catalase content of spirogyra. *Bot. Gaz.* 77:2.

Proof that anesthetics produce a parallel decrease in the catalase content and oxygen consumption of unicellular organisms. *Amer. J. of Physiol.* 68:1.

BURGE, W. E.

(3) Articles (cont'd):

The effect of different anesthetics on the catalase content and oxygen consumption of unicellular organisms. *Ibid.* 69:2.

BURLISON, W. L.

(3) Articles:

with Holbert, J. R., Woodworth, C. M., Koehler, Benjamin, and Dungan, G. H.

Corn root, stalk, and ear rot diseases, and their control thru seed selection and breeding. U. of Ill. Agr. Exp. Sta. Bul. 255:239-478. (55,000)

BUSWELL, A. M.

see Greenfield, R. E.

CALLEN, A. C.

(1) Book notices:

Miners' wages and the cost of coal by Isador Lubin. *Coal Mine Man.* 3:6:33. (450)

Mine ventilation and ventilators by W. H. Haddock. *Ibid.* 3:8:48-49. (350)

The coal industry by A. T. Shurick. *Ibid.* 3:10:54-56. (700)

(3) Articles:

Practicing the spirit of safety. *Explos. Eng.* 3:2:48-49. (2000)

New Orient, a mine that is "different". *Coal Mine Man.* 4:4:19-50. (11,000)

Editorials, *Coal Mine Management.* 3:5:40-41. (1100). 3:6:34-35. (1200). 3:7:34-35. (1100). 3:8:34-35. (1000). 3:9:36-37.

(1100). 3:10:36-37. (1000). 3:11:32-33. (1100). 3:12:32-33. (700). 4:1:32-33. (1000). 4:2:46-47. (1000). 4:3:32-34. (1300).

CALVIN, JOSEPH K.

(3) Articles:

Studies on the salivary urea index in children. *Amer. J. of Dis. of Children.* 29:70-77. (2000)

CAMPBELL, M. H.

(3) Articles:

Inheritance of black and red coat colors in cattle. *Genetics.* 9:5:419-41. (3200)

CANTER, H. V.

(4) Books:

Rhetorical elements in the tragedies of Seneca. U. of Ill. Studies in Lang. and Lit., Urbana, Ill. 1925. 10:1. 185 pp.

CARD, L. E.

see Hanson, Frank P.

CARMAN, G. G.

see Mitchell, Harold H.

CARMICHAEL, R. D.

(3) Articles:

- Mathematics in the United States today. *Amer. Mercury.* 1:79-83.
(2750)
The present state of the difference calculus and the prospect for the
future. *Amer. Math. Mo.* 31:169-183. (8000)
The need of an international mind. *Sci. Mo.* 19:47-52. (2600)

CARNAHAN, D. H.

(1) Book notices:

- Brieux' *La Robe rouge* by L. Cardon. *Mod. Lang. J.* 9:5:259-60.
(500)

(4) Books:

- Alternate French review grammar.* D. C. Heath, Boston, 1924.
4+167 pp.

CAROTHERS, WALLACE H.

(3) Articles:

with Adams, Roger

- Platinum oxide as a catalyst in the reduction of organic compounds.
V. The preparation of primary alcohols by the catalytic hydro-
genation of aldehydes. *J.A.C.S.* 46:7:1675-83. (5000)

The double bond. *Ibid.* 46:10:2226-36. (5000)

with Adams, Roger

- Platinum oxide as a catalyst in the reduction of organic compounds.
VII. A study of the effects of numerous substances on the plati-
num catalysis of the reduction of benzaldehyde. *Ibid.* 47:4:
1047-63. (7500)

CASE, H. C. M.

(3) Articles:

with Myers, K. H.

- Cattle feeding in relation to farm management. *U. of Ill. Agr. Exp.*
Sta. Bul. 261. p. 217-43. (10,000)

CHADSEY, CHARLES E.

see Monroe, Walter S.

CHANDLER, STEWART C.

see Flint, W. P.

CHRISTOPHER, FREDERICK

(1) Book notices:

- Der chirurgie des vegetativen nervensystems* by Dr. F. Bruning and
Dr. O. Stahl. Julius Springer, Berlin, 1924. (900)

(3) Articles:

with Halstead, Albert E.

- Cervical sympathectomy for angina pectoris. *J.A.M.A.*, May, 1924.
82:1661-64. (4000)

Severe spreading carbuncular infection of the chest wall following rib
resection under local anesthesia. *Surg. Clin. of N. Amer.* June,
1924. p. 795-810. (5000)

CHRISTOPHER, FREDERICK

(3) Articles (cont'd):

- Displacement of the internal semilunar cartilage in a boy of four years.
J. of Bone and Joint Surg. October, 1924. (550)
Gastric fistula: report of a case. Amer. J. of Surg. Nov., 1924. (1800)
A case of androgynous pseudohermaphroditism. J.A.M.A. Nov.,
1924. (400)
Acute pancreatitis: report of a case recovering following operation.
Internat. Clin. Dec., 1924. (3200)
The surgical diseases of Meckel's Diverticulum. *Ibid.* vol. I, ser. 35.
Jan., 1925. (8000)
Useful mechanical aids in the treatment of fractures of the spine.
Surg., Gyn. and Obstet. April, 1925. p. 562-65. (1800)
Surgical treatment of angina pectoris. Ill. Med. J. March, 1925. (3600)

CLARK, A. H.

(1) Book notices:

- A systematic handbook of volumetric analysis by Francis Sutton.
Revised by W. Lincolne Sutton and Alfred E. Johnson. J.A.Ph.A.
14:2:170-71. (600)

CLARK, J. A.

see Monroe, Walter S.

CLARK, THOMAS ARKLE

(3) Articles:

- The busy undergraduate. J. of N. Y. State Teachers Assoc. 11:3:
91-97. (5000)
What is a college fraternity. The Schol. 4:18:10-14. (2300)
A challenge to young people. The College Dreamer. May, June,
1924. (1500)
Starting the freshman right. The Amer. Boy. July, 1924. (3300)
Not in the curriculum. The Councilor. Sept., 1924. (2250)
The color in the cup. Zeta Beta Tau Quart. 8:3:87-90. (2000)
This and that on attendance. Phi Epsilon Pi Quart. Apr., 1925.
Excursions in correspondence (24 articles). West. News. Union Synd.
(1000)
The human side of things (300 articles). *Ibid.* (500)
Along life's trail (100 articles). *Ibid.* (500)

COBLE, ARTHUR B.

(3) Articles:

- Geometric aspects of the Abelian modular functions of genus four.
Amer. J. of Math. 46:3:143-92. (25,000)
The equation of the eighth degree. Bul. Amer. Math. Soc. 30:7:
301-13. (4400)

COLBY, A. S.

(3) Articles:

- Outline of course in freshman horticulture. Proc. Amer. Soc. Hort.
Sci. 1924. p. 224-33. (1400)

COLBY, A. S.

(3) Articles (cont'd):

with Vogele, A. C.

Notes on pruning and training concord grapes in Illinois. *Ibid.* 1924.
p. 384-87. (700)

Some possibilities in nut culture in Illinois. Proc. N. Nut Grow.
Assoc. 1924. p. 93-97. (1600)

Nut growing in Illinois. Ill. Hort. Soc. Trans. 58:142-51. (3400)

Increasing the profits in small fruit growing. *Ibid.* 58:298-308. (3600)

Hardy ornamental shrubs with edible fruits. Amer. Fruit Grow.
Mag. 44:7:24. (1100)

How grape storage may extend the marketing period. *Ibid.* 44:9:28.
(800)

Pruning bush fruits and brambles. *Ibid.* 44:10:44. (900)

Small fruit disease control. *Ibid.* 45:2:57. (900)

CONVERSE, PAUL D.

(1) Book notices:

Marketing practice by P. White and W. S. Hayward. Amer. Econ.
Rev. 15:1:122. (450)

(4) Books:

Marketing methods and policies (2d ed. revised and enlarged).
Prentice-Hall, Inc., N. Y., 1924. xv+619 pp.

COX, G. J.

see Rose, W. C.

CRATHORNE, A. R.

(4) Books:

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Coccidiosis of poultry. *Ibid.* 288:1-8. (1200)

with Boughton, I. B.

European fowl pest in Illinois. *J.A.V.M.A.* 20:2:183-85. (600)

TUPPER, CAROLINE F.

(2) Original reviews:

Doctor Johnson: a study in eighteenth century humanism by Percy
Hazen Houston. *J. Engl. and Germ. Philol.* 24:2:290-95. (1700)

(3) Articles:

Essays erroneously attributed to Goldsmith. *Pub. of Mod. Lang. Assoc.*
39:2:325-42. (7020)

TUTTLE, W. W.

(3) Articles:

The effect of attention or mental activity on the patellar tendon
reflex. *J. Exper. Psychol.* 7:6:401-420. (8000)

Factors influencing the knee-jerk. I. *Amer. J. Physiol.* 72:4:50-56.
(2300)

Factors influencing the knee-jerk. II. *Ohio State Univ. Pub.* p. 1-8.
(4000)

TYKOCINER, J. T.

(3) Articles:

Investigation of antennae and of radio transmission by means of models. *Trans. Ill. Acad. Sci.* 1925. vol. 18. (3500)

Control of successive ionization by collision in a photoelectric cell. *Ibid.* vol. 18. (2800)

with Kunz, Jakob

The production and control of successive ionization by collision in a photoelectric cell. *Phys. Rev.* 25:245-46. (200)

see also Kunz, Jakob.

(4) Books:

Investigations of antennae by means of models. *U. of Ill. Eng. Exp. Sta. Bul.* 147. 1925. 60 pp.

VAN CLEAVE, H. J.

(1) Book notices:

The cell in development and heredity by E. B. Wilson. *Trans. Amer. Micros. Soc.* 44:1:42-43. (575)

(3) Articles:

Notes on the relationships of the Acanthocephala. *Anat. Rec.* 29:2:119-20. (100)

A critical study of the Acanthocephala described and identified by Joseph Leidy. *Proc. Acad. Nat. Sci., Philadelphia.* 76:279-334. (22,000)

Additional notes on the Acanthocephala from America described by J. E. Kaiser (1893). *Centralbl. für Bakteriologie, Parasitenk. und Infektionkr.* 94:1:57-60. (1300)

(4) Books:

Laboratory directions for an elementary course in general zoology. 5th ed. *U. of I. Supply Store, Champaign, Ill.* 1925. 100 pp.

VANDAVEER, F. E.

see Parr, S. W.

VAN HORNE, JOHN

(1) Book notices:

The legend of Rodrick last of the Visigothic Kings and the Ermanarich cycle by Alexander Haggerty Krappe. *J. of Engl. and Germ. Philol.* 23:2:323-24. (500)

(3) Articles:

with Morgan, B. Q.

Bibliography of modern language methodology in America for 1923. *Mod. Lang. J.* 8:8:455-64. (3500)

(4) Books:

with Hamilton, A.

Elementary Spanish grammar. Century Co., N. Y. 1924. x + 326 pp.

Murger's *Scènes de la vie de Bohème* (edited). Century Co., N. Y. 1924. xxvi + 206 pp.

VOGELE, A. C.

see Colby, A. S.

WACH, EDWARD C.

(3) Articles:

with Blayney, J. R.

A study of tissue repair around resected root-ends. *Dent. For.* 1:58-60. (700)

WADEPUHL, WALTER

(3) Articles:

Advanced modern language teaching in the Chicago public high schools. *Mod. Lang. J.* 9:5:307-11. (1600)

(4) Books:

Goethes Stellung zur französischen Romantik. Berlin, Germany, 1924. 2 + 62 pp.

WALL, C. N.

(3) Articles:

The selection principle; a development based upon the Stokes-Thomson pulse theory. *Phil. Mag.* 48:285:378-83. (2000)

WARD, HENRY B.

(1) Book notices:

Disease in captive wild animals and birds by Herbert Fox. *J. Parasit.* 10:4:218-19. (756)

Parassitologia Animale by Davide Carazzi. *Ibid.* 10:4:219. (315)

Studies on Schistosomiasis Japonica by E. C. Faust and H. E. Meleney with supplement by N. Annandale. *J.A.M.A.* 83:5:379-80. (630)

Medical and veterinary zoology by Wm. B. Herms. *J. Paras.* 11:1:55. (420)

Gundriss der theoretischen Bakteriologie by Traugott Baumgartel. *Ibid.* 11:1:56-57. (183)

Human Protozoology by R. W. Hegner and W. B. Taliaferro. *Ibid.* 11:1:57. (450)

Filariasis in British Guiana. Vol. 5, Research Memoir Series, Lond. Sch. Trop. Med. *Ibid.* 11:2:123. (400)

Precis de Parasitologie Humaine by P. Verdun and A. H. Mandoul. *Ibid.* 11:2:123-24. (400)

Atlas de Parasitologie by Dr. Paul Hauduroy. *Ibid.* 11:2:124. (150)

Ancylostomiasis and Bilharziasis in Egypt. Repts. and Notes of the Pub. Health Labs. No. 6, Cairo, Egypt, 1924. *Ibid.* 11:3:181. (330)

Transactions of the fifth Biennial Congress of the Far Eastern Association of Tropical Medicine, Singapore. Edited by Hon. Dr. A. L. Hoops and Dr. J. W. Scharff. *Ibid.* 11:3:181-82. (600)

(2) Original reviews:

Journal of Parasitology. Managing editor.

(3) Articles:

Banding white pelicans. *The Condor.* 36:4:136-40. (2400)

A misleading designation. *Science.* 60:1561:498-99. (475)

WATKINS, GORDON

(2) Original reviews:

The causes of industrial unrest by J. A. Fitch. *Amer. Econ. Rev.* 14:1:128-29. (500)

A short history of the American labor movement by Mary Beard. *Books.* 2:18:11. (500)

British labor speaks by R. W. Hogue. *Ibid.* 1:22:11. (600)

WATSON, F. R.

(3) Articles:

Acoustics of church auditoriums. *Arch. For.* 40:167-70. (2500)

Acoustics of auditoriums. *J. of Franklin Institute.* 198:73-83. (4000)

Measurement of vibrations in building structures. *Phys. Rev.* 23:784. (200). (Abstract)

with Hubbard, F. E. and Hubbard, K. H.

Investigation of acoustical double resonators. *Phys. Rev.* 25:117. (150). (Abstract)

WEATHERFORD, H. L.

see Emmel, V. E.

WEINHOLD, G. A.

see Greenfield, R. E.

WEIRICK, BRUCE

(4) Books:

with Andrews, Harry Lee

Acting and play production (a manual for classes, dramatic clubs, and little theaters). Longmans, Green and Co., N. Y. 1925. xi + 292 pp.

WELKER, WILLIAM H.

(3) Articles:

with Hektoen, L.

Further observations on precipitin reactions of Bence-Jones proteins. *J. of Infect. Dis.* 34:5:440-46. (1750)

with Hektoen, L.

Precipitin reactions of serum proteins. *Ibid.* 35:295-304. (3700)

with Hektoen, L. and Kretschmer, H. L.

A peculiar crystalline protein in human urine. *J.A.M.A.* 83:15:1154-56. (1600)

with Heintz, E. L.

Acidity curves in gastric, duodenal and mixed ulcers. *Ann. of Clin. Med.* 3:5:371-79. (2075)

Fractionation of the proteins of rattlesnake venom. *J. Lab. and Clin. Med.* 10:4:298-302. (1800)

WESTERGAARD, H. M.

(3) Articles:

Einfache Ableitung der von Mohr gegebenen graphischen Darstellung des dreiaxigen Spannungszustandes. *Zeitschrift für angewandte Mathematik und Mechanik.* 4:6:520-21. (500)

WESTMAN, A. E. R.

(3) Articles:

with Walker, R. B.

The relation between current, voltage, and the length of carbon arcs.

III. Alternating currents. *Trans. Amer. Elec. Chem. Soc.* 46:

345-59. (5000)

WILLARD, A. C.

(3) Articles:

The effect of wind on the heat transmission of building walls, glass, and roof (illustrated). *Proc. Nat. Dis. Heat. Assoc.* 1924. 15: 148-58. (3000)

Warm-air heating research residence (illustrated). *Techno.* 36:4: 187-90. (1500)

Minimum requirements for estimating the heat required for warming buildings. Sec. III, special pamphlet, June, 1924. *Amer. Soc. Heat. and Vent. Eng.* June, 1924. p. 22-37. (15,000)

Rating the warm air furnace (illustrated). *Heat. and Vent. Mag.* 22:2: 79-81. (2500). *Amer. Art. and Hdw. Rec.* 88:26:90-92. *Sheet Metal Worker*, 15:25:943-44. *Furn. and Sheet Metals.* 4:6:35-36.

Research results in heating and ventilation. I. The warm-air furnace investigation (illustrated). *Techno.* 37:2:68-73. (4000)

Research results in heating and ventilation. II. The Hudson River vehicular tunnel investigation (illustrated). *Techno.* 37:3:122-55. (4500)

WILLIAMS, C. A.

(4) Books:

Wilhelm Raabe, *Die schwarze Galeere*. Revised, authorized edition. N. Y., 1924. 31 + 154 pp.

WILLIAMS, C. C.

(3) Articles:

Educating leaders and routine practitioners. *J. Eng. Ed'n.* 32:9:528-35. (2500)

The bottle neck of highway transportation. *Eng. and Cont.* 63:4:686-91. (3000)

(4) Books:

Design of railway location (revision). John Wiley and Sons, N. Y. 1924. 2 + 516 pp.

WILLIAMSON, CHARLES SPENCER

(3) Articles:

Three cases of tuberculous peritonitis. *Med. Clin. of N. Amer.* 8:2: 437-51. (5600)

Primary carcinoma of the liver. *Ibid.* 8:2:453-65. (4800)

WILSON, WILLIAM

(3) Articles:

- Opportunities in engineering research. *Iowa Eng.* 25:7:8-9. (2600)
The oiling of earth roads. *U. of Ill. Bul.* 21:45:1-27. *Circ.* 11. (10,000)

WINTER, FLOYD L.

(3) Articles:

- The effectiveness of seed corn selection based on ear characters. *J. Amer. Soc. Agron.* 17:2:113-18. (2000)

WIRTH, ELMER H.

(2) Original reviews:

- Dr. Josef Moeller (obituary). *J.A.Ph.A.* 14:3:272-73. (350)

(3) Articles:

- The detection of rosin in official resins, gum-resins, and balsams.
Ibid. 13:6:520-31. (9000)

WOLFE, F. E.

(3) Articles:

- Operating expenses of retail grocery stores in Nebraska in 1923. *U. of Nebr. Bul.* June, 1924. 10:1-24. (3000)
Financial statement ratios of general, grocery, hardware, and drug stores in 1923. *U. of Nebr. Bul.* May, 1924. 9:1-45. (5000)

WOODWORTH, C. M.

(3) Articles:

- with Holbert, J. R., Burlison, W. L., Koehler, Benjamin, and Dun-
gan, G. H.
Corn root, stalk, and ear rot diseases, and their control thru seed
selection and breeding. *U. of Ill. Agr. Exp. Sta. Bul.* 255:239-
478. (55,000)
A program of corn improvement. *U. of Ill. Agr. Exp. Sta. Circ.* 284:
1-24. (6800)
with Cole, L. J.
Mottling of soybeans. *J. of Hered.* 15:8:349-54. (3000)

WOOLBERT, C. H.

(3) Articles:

- Improving action, chapter in *Better Speech Year. Bul. Joint Com.*
on *Amer. Speech.* p. 17-25. (3000)
Criticism of student oration. *Forensic.* 10:4:14, 16. (1000)
Editorial. *Eng. J.* 13:9:666-68. (1000)
On critic debate decisions. *Quart. J. of Speech Educa.* 11:3:286-88.
(1000)
A behavioristic account of intellect and emotions. *Psy. Rev.* 31:5:
265-72. (3000)

WRIGHT, IVAN

(1) Book notices:

- Rural credits by J. B. Marmon. *J. of Pol. Econ.* 33:1. (1000)

WRIGHT, IVAN

(3) Articles:

Six articles: Value of the dollar, Gaining, and similar discussions.
N. E. A. (700)

Four articles: Business conditions, etc. Assoc. Press. (800)

Bank research. Banker's Mo. Feb., 1925. (3000)

Opportunity for women in banking and finance. Enterpriser, May,
1925. (1000)

(4) Books:

with Landis, Benson Y.

Social aspects of farmers' cooperative marketing. Chicago Univ. Press,
1925. 2 + 62 pp.

WYLIE, C. C.

(3) Articles:

Determination of the longitude and latitude at Baker, Oregon. U. S.
Naval Observ. Publi. 2d series. 10:B361. Appendix B366. (2500)

YAPP, W. W.

(3) Articles:

A dimension-weight index for cattle. Proc. Amer. Soc. Animal Pro.
1923. p. 50-56. (1500)

The inheritance of percent fat content and other constituents of milk
in dairy cattle. Proc. Internat. Breeders' Conf., Edinburgh, Scot.
1924. (1750)

YERGER, C. F.

(3) Articles:

Acute toxic meningo-encephalitis of otorhinologic origin. Arch. Otolar.
1:2:198-208. (3000)

Some observations on the diagnosis of otitic intracranial complica-
tions. Eye, Ear, Nose and Throat Mo. 3:7:385-90. (3000)

Otitic temporal lobe abscess. *Ibid.* 3:8:457-59. (2000)

Exophthalmos as a complication of nasal sinusitis. Arch. of Otolar.
1:4. (2000)

Left temporal lobe abscess. An. of Ot., Rhin., and Larynx. 33:1364-
78. (5000)

Intracranial complications of suppurative otitis media. Ill. Med. J.
46:260-64. (3000)

Cerebellar abscess. Laryngoscope. 35:56-59. (2000)

YOUNG, PAUL THOMAS

(2) Original reviews:

Lashley's behavioristic interpretation of consciousness. Psy. Bul. 21:
8:429-32. (1000)

Various reviews. *Ibid.* 21:8:443, 447, 484. 22:1:4, 5, 7, 17, 25, 32,
47, 57, 58. (2500)

(3) Articles:

The phenomenological point of view. Psy. Rev. 31:4:288-96. (3600)

(2) Original reviews:

- Mark Rutherford: his faith. (Letters to three friends by W. Hale White, and The Groombridge diary by Dorothy White). N. Y. Sun. 92:78. (300)
- The redoubtable Saintsbury (A last scrap book). *Ibid.* 92:171. (1300)
- In the eighteenth century (Periodical essayists of the 18th century by George S. Marr). Herald-Tribune *Books.* 1:4:4. (1200)
- Literary good manners (Literary studies and reviews by Richard Aldington). *Ibid.* 1:8:3. (1100)
- Occasional addresses (Scholarship and other essays by Calvin Thomas). *Ibid.* 1:11:14. (300)
- Gorky's faith in Russia (Fragments from my diary by Maxim Gorky). N. Y. Sun. 92:86. (800)
- Is Judaism menaced? (Survival or extinction by E. M. Friedman). *Ibid.* 92:98. (1200)
- Front page news (Fugger news letters). Herald-Tribune *Books.* 1:16:12. (500)
- Bitter Russian laughter (We, by Eugene Zamiatin). N. Y. Sun. 92:122. (1300)
- Laurels of a gourmand (Diary of a country parson, 1758-1781). Herald-Tribune *Books.* 1:19:5. (400)
- Drama and morals (Conscience and comedy after the Restoration by J. W. Krutch). N. Y. Nation. 120:3109:124. (600)
- Gissing on Dickens (Charles Dickens by George Gissing). Herald-Tribune *Books.* 1:20:8. (600)
- A tragic chronicle (Outline of Jewish history by S. M. Dubnow). N. Y. Sun. 92:134. (400)
- A strenuous busybody (Gui Patin by Francis R. Packard). Herald-Tribune *Books.* 2:24:9. (400)
- Words (Language by J. Vendryes). *Ibid.* 2:26:12. (900)
- Facts about language (Language by J. Vendryes). N. Y. Sun. 92:176. (600)
- Henry Taylor's circle (Guests and memories by Una Taylor). *Ibid.* 92:182. (1200)
- A poet talks of a poet (John Keats by Amy Lowell). Ill. Mag. 1:12:1. (2700)
- Morley and Burke (John Viscount Morley by J. H. Morgan; and Edmund Burke a historical study by John Morley). N. Y. Nation. 120:3120:471. (1100)

(4) Books:

- The life of solitude by Francis Petrarch. Translated with introduction and notes. U. of Ill. Press, Urbana, Ill. 1924. 7 + 291 pp.

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION
OF THE UNIVERSITY OF ILLINOIS

MAY 1, 1925—APRIL 30, 1926

The publications of the faculty of the University of Illinois during the past year ended April 30, 1926, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ABEL, THEODORA M.

(3) Articles:

National differences and preferences in beliefs. *J. of Comp. Psych.* 6:1:21-41. (3500)

(4) Books:

with Mead, Elsie C.

Good manners for children. Dodd Mead and Co., N. Y. 1926. 151 pp.

ADAMS, L. A.

(2) Original reviews:

Correlations of the musculature and movements of the skull in *Natrix* with some suggestions of homology in the lacertilians. *J. of Morph. and Physi.* 41:1:159-81. (5500)

The significance of fossil footprints. *Trans. Ill. Acad. Sci.* 18:172-7. (1500)

ADAMS, ROGER

(2) Original reviews:

The industrial applications of coal tar products, by W. M. Bunbury, and A. Davidson. *Ind. and Eng. Chem.* 18:435. (500)

Organic medicaments and their preparation, by E. Fourneau, translated by W. A. Silvester. *J.A.C.S.* 47:2258. (250)

Die praxis des organischen chemikers, by Gattermann and H. Wieland. *Ibid.* 47:2846. (150)

Jahrbuch der organischen chemie, by J. Schmidt. *Ibid.* 47:2846. (175)

(3) Articles:

with Butler, C. S., Jr.

Search in the diphenylmethane series for the isomerism characteristic of certain diphenyl derivatives. *Ibid.* 47:2610-20. (5000)

with Calvery, H. O., and Noller, C. R.

Arsonophenylcinchoninic acid (arsonocinchophen) and derivatives. II. *Ibid.* 47:3058-60. (1500)

with Heckel, H.

Platinum oxide as a catalyst in the reduction of organic compounds. X.

Reduction of aminophenols to cyclic amino-alcohols. *Ibid.* 47:1712-18. (2800)

with Jacobson, R. A.

Polyhydroxy and polyhydroxymethylanthraquinones. VI. Syntheses from opianic acid and phenols or cresols. *Ibid.* 47:2011-18. (3000)

with Shriner, R. L.

ADAMS, ROGER

(3) Articles (continued)

Structure of chaulmoogric and hydnocarpic acids. I. *Ibid.* 47:2727-38.
(5000)

with Tuley, W. F.

Reduction of cinnamic aldehyde to cinnamyl alcohol in the presence
of platinum oxide, platinum black, and promoters. XI. *Ibid.* 47:3061-
68. (3000)

with Hiers, G. S.

Über die reduktion der o-phenylen-essig-propionsaure und verschiedener
aromatischer amine mit wasserstoff unter verwendung von platin-
oxyd-platinschwarz als katalysator. Ber. 59:162-70. (4000)

with Garvey, B. S.

Selective reduction of citral by means of platinum oxide, platinum
black, and a promoter. XII. J.A.C.S. 48:477-82. (2500)

with Supniewski, G. V.

Organic bismuth compounds. I. Preparation of tricarboxy triphenyl
bismuth dichlorides and certain nitrotriaryl bismuth compounds.
Ibid. 48:507-17. (4500)

with Noller, C. R.

The preparation and use of aldehyde esters formed by ozonation of
the methyl esters of various unsaturated acids. *Ibid.* 48:1074-80.
(3000)

with Noller, C. R.

Synthesis of dihydrochaulmoogric and dihydrohydnocarpic acids. II.
Ibid. 48:1080-9. (4000)

with Hiers, G. S.

The synthesis of homologs of dihydrochaulmoogric and dihydrohydro-
narpic acids containing a cyclohexyl group in place of a cyclo-
pentyl group. III. *Ibid.* 48:1089-93. (2500)

(4) Books:

with Marvel, C. S., (Editor in Chief), Clarke, H. T., Conant, J. B.,
Gilman, H., Kamm, O., and Whitmore, F. C.

Organic syntheses. V. John Wiley and Sons, N. Y. 1925. 1+110 pp.

ALLEN, CHARLES L.

(4) Books:

The uses of the marks of punctuation. Edited and published by
Charles L. Allen, Minneapolis, Minn. 1925. 1+32 pp.

Illinois' greatest football game. Edited and published by Charles L.
Allen, Urbana, Ill. 1925. 40 pp.

The coach's handbook of sports. Edited and published by Charles L.
Allen, Urbana, Ill. 1926. 1+180 pp.

ANDERSON, A. G.

(3) Articles:

Good factory air pays in increased output. Man. and Admin. 9:5:439-
42. (3000)

Shop ventilation as an investment. *Ibid.* 9:6:531-34. (3000)

ANDERSON, A. G.

(3) Articles (continued)

- Solving a factory location problem. *Ind. Man.* 70:1:21-24. (4000).
Bldgs. 64:2:487-90. (4000)
Industrial building design from the standpoint of management. *West.*
Arch. 34:8:81. (2000)
Do branch plants pay? *Man. and Admin.* 10:4:187-90. (4000)
How good lighting benefits the shop. *Man. in Mfg.* 10:5:277-80.
(4000)
Ways of obtaining the best lighting. *Ibid.* 10:6:345-8 (4000)

ANDERSON, C. S.

(3) Articles:

Trend in vocational agriculture. *Ill. Agr.* 30:6:172-88. (3000)

(4) Books:

- with Hill, J. E., and Nolan, A. W.
Suggestive course outlines for vocational agriculture. *Ill. Bd. for Voc.*
Educ., Springfield, Ill. 1926. 8+102 pp.

ANDERSON, H. W.

(3) Articles:

- Overwintering of bacterium pruni. *Phytopathology.* 16:55-58.
Control of bacterial spot of peach with sodium silicofluoride. (Abs.)
Ibid. 16:79-80. *Trans. Ill. Hort. Soc.* 59:266-72.
with Colby, A. S.
Diseases of brambles in Illinois and their control. *U. of Ill. Agr. Exp.*
Sta. Circ. 305:1-20. (5100)
Experiments with fertilizers and cultivation for the control of bacterial
spot of peach. *Trans. Ill. Hort. Soc.* 59:258-60.
The fruit disease situation in 1925. *Ibid.* 59:233-9.

ANDREWS, EDMUND

(1) Book notices:

- La sifilide ignorata e strana*, by G. Martelli. *Arch. of Int. Med.* 36:3.
(300)
Pathogenic des Calculs Biliares, by T. Rovsing. *Ibid.* 36:5. (300)

(3) Articles:

- A simplified herniotomy. *Surg. Clin. of N. Amer.* 5:4. (1200)
The iliohypogastric nerve in relation to herniotomy. *Ann. of Surg.*
Jan., 1926. (900)
Studies in water metabolism. I. *Arch. of Int. Med.* 37:1. (2400)
Studies in water metabolism. II. *Ibid.* 37:4. (800)
Water metabolism. *J.A.M.A.* 86:12:901. (300)

APPLETON, JOHN B.

(1) Book notices:

- Europe—a geographical reader, by V. Clark. *Hist. Outlook.* 17:1:38.
(360)
The geography of the mountains of eastern Kentucky, by D. H. Davis.
J. of Geog. 25:2:80. (320)

APPLETON, JOHN B.

(3) Articles:

Geography in English secondary schools. *Proc. H. S. Conf.* 23:27:204-7. (2100)

The iron and steel industry of the Calumet district. *Ann. of Assoc. Amer. Geog.* 16:1:22. (230)

(4) Books:

with Mason, C. Y.

Principles of economic geography. Coll. Pub. Co., Champaign, Ill. 1926. 1+66 pp.

BABBITT, H. E.

(3) Articles:

with Dixon, A. G.

Plumbing tests at University of Illinois. *Ill. Mast. Plumb.* 11:3:15-7. (1500); 11:1. (1500); 10:9. (1500); 10:5. (1500)

Sanitation in our national parks. *Ill. Eng.* 1:3:1. (2500)

BACHEM, ALBERT

(3) Articles:

The present status of the problem of X-ray dosage. *Arch. of Phys. Therapy.* 7:3:151-62. (5000)

with Fischer, W. R., and Groot, J. T.

The effect of X-ray on the pancreas. *Amer. J. of Physiol.* 76:2:299-305. (3000)

BAKER, FRANK C.

(1) Book notices:

Land and freshwater molluscs of the Dutch Leeward Islands, by H. Burrington Baker. *Ecol.* 6:193. (235)

Conditions under which goniobasis livescens occurs in the island region of Lake Erie, by Frederick H. Kreeker. *Ibid.* 6:320. (430)

The distribution and economic importance of the bottom fauna of Lake Nipigon with an appendix on the bottom fauna of Lake Ontario, by F. B. Adamstone. *Ibid.* 6:460. (520)

(2) Original reviews:

Changes in the small bottom fauna of Peoria Lake, 1920 and 1922. Illinois river bottom fauna in 1923. Two papers by R. E. Richardson. *Ibid.* 7:229-30. (910)

(3) Articles:

Museums and Nature. *Natur. Guide to the Americas.* 1926. p. 27-28. (600)

The effect of pollution on animal life. *Ibid.* p. 38-41. (1900)

New forms of Planorbis and Lymnaea with notes on other forms. *Nautilus.* 39:116-21. (1600)

BAKER, ROBERT H.

(3) Articles:

Announcement of three new variable stars. *Pop. Astron.* 34:148. (400)

Report of the University of Illinois Observatory. *Ibid.* 34:39. (200)

BAKER, ROBERT H.

(3) Articles (continued)

Variable stars of very small range. Pub. of Astron. Soc. of the Pac.
38:86-96. (3000)

A photoelectric study of α Herculis. Lick Observ. Bul. 12:124-36.
(5000)

BALDUF, W. V.

(3) Articles:

The striped cucumber beetle: its biology. Ohio. Agr. Exp. Sta. Bul.
388:241-308. (28,000)

Notes on the habits of *Rhinoncus pyrrhopus* Boh. Trans. Ill. State
Acad. Sci. 18:178-83. (1900)

On the habits and development of a checkered beetle. Trans. Amer.
Ent. Soc. 52:884:29-37. (4000)

The twelve spotted asparagus beetle. Insect Pest Surv. Bul. 6:2:40-42.
(850)

The feeding of a common tiger beetle. Ent. News. 36:275-6. (500)

BALDWIN, EDWARD C.

(3) Articles:

Paradise Lost and the Apocalypse of Moses. J. of Engl. and Germ.
Philol. 24:3:383-6. (1600)

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