

PUBLICATIONS
OF THE FACULTIES

1930-1931

CONTENTS

	Pages
Administration	1
Science, Literature, and the Arts.....	1-17
Administration	1
Anthropology	1
Botany	1
Comparative Philology	3
English	3
Fine Arts	4
Geography	5
Geology and Mineralogy.....	5
German	5
History	6
Journalism	8
Latin	9
Mathematics	9
Music	10
Orientation	10
Philosophy	10
Physics	10
Political Science	12
Psychology	12
Romance Languages	14
Scandinavian	14
Sociology	14
Speech	16
Zoology	16
Engineering and Architecture.....	17-20
Administration	17
Civil Engineering	17
Drawing and Descriptive Geometry.....	18
Electrical Engineering	18
Mathematics and Mechanics.....	18
Mechanical Engineering	19
School of Architecture.....	20
School of Chemistry.....	20-23
Analytical Chemistry	20
Chemical Engineering	21
Inorganic Chemistry	21
Organic Chemistry	22
Physical Chemistry	22
Technological Chemistry	23

	Pages
Department of Agriculture.....	23-48
Administration	23
Agricultural Biochemistry	24
Agricultural Economics	26
Agricultural Engineering	29
Agricultural Substations	30
Agronomy and Plant Genetics.....	33
Animal Husbandry	34
Dairy Husbandry	35
Entomology and Economic Zoology.....	36
Forestry	38
Home Economics	39
Horticulture	39
Plant Pathology and Botany.....	40
Poultry Husbandry	42
Rural Sociology	43
Soils	43
Veterinary Medicine	43
Agricultural Extension	44
School of Agriculture.....	48
Law School	48-49
Medical School	49-66
Anatomy	49
Bacteriology and Immunology.....	50
Medicine	51
Obstetrics and Gynecology.....	54
Ophthalmology and Oto-laryngology.....	55
Pathology	55
Pediatrics	57
Pharmacology	58
Physiology	58
Preventive Medicine and Public Health.....	60
Radiology	61
Surgery	62
School of Nursing.....	65
University Hospitals	66
College of Dentistry.....	66-67
Crown and Bridge Work.....	66
Operative Dentistry	67
Oral Hygiene and Pathology.....	67
Oral Surgery	67
Prosthetic Dentistry	66
School of Mines and Metallurgy.....	68
Metallography	68
Mines Experiment Station.....	68

CONTENTS

v

	Pages
College of Pharmacy.....	68-70
Pharmaceutical Chemistry	68
Pharmacognosy	68
Pharmacy	69
College of Education.....	70-77
Administration	70
Administration and Supervision.....	70
Agricultural Education	72
Educational Psychology	73
General Education	74
History and Philosophy of Education.....	74
Home Economics Education.....	74
Theory and Practice of Teaching.....	74
Trade and Industrial Education.....	75
University High School.....	75
Graduate School—Mayo Foundation.....	77-104
Administration	77
Bacteriology and Immunology.....	77
Biophysics	78
Medicine	79
Obstetrics and Gynecology.....	90
Ophthalmology and Oto-laryngology.....	90
Pathology	91
Pediatrics	94
Physiology and Physiologic Chemistry.....	94
Radiology	96
Surgery	97
School of Business Administration.....	104-7
Business Administration	104
Economics	106
General Extension Division.....	107-8
Municipal Reference Bureau.....	108
University Library	109
Museum of Natural History.....	109-10
Institute of Child Welfare.....	110-12
Physical Education for Women.....	112

FOREWORD

The list of publications of the faculty members of the University of Minnesota continues to reveal a wide variety of creative scholarship. Obviously such a list represents unequal values, but it is a stimulating evidence that, increasingly, in this center of learning, there is the willingness and the ability to strive to see more of the truth and to understand and to apply it.

L. D. COFFMAN, *President*

PUBLICATIONS OF THE FACULTIES

ADMINISTRATION

JAMES COOPER LAWRENCE, B.A., University Dean

"An introduction." Pages 35-36 in *Conference on Governmental Relations, 1930.*
University of Minnesota Bulletin, Vol. 34, No. 24. March 31, 1931.

"Pioneers in the commercial development of rubber." *Journal of Chemical Education,*
7:1788-1801. August, 1930.

J. C. POUCHER, Director of Service Enterprises

"Inventory records and accounting for capital equipment." *Educational Business
Manager and Buyer,* 6:15-18. September, 1930.

WESLEY ARDEN, B.A., Accountant, Comptroller's Office

"A scoring technique for tests having multiple item-weightings" (with Philip Justin
Rulon). *Personnel Journal,* 9:235-41. October, 1930.

"Stores control and operation." *Educational Business Manager and Buyer,* 6:19-21.
October, 1930.

THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

ADMINISTRATION

JOHN BLACK JOHNSTON, Ph.D., Dean of the College of Science, Literature,
and the Arts and Professor of Neurology

The Liberal College in Changing Society. New York: Century Co. 1931. 326 pages.

ANTHROPOLOGY

ALBERT ERNEST JENKS, Ph.D., D.Sc., Professor of Anthropology and
Chairman of the Department of Anthropology

"Archaeological field work of the University of Minnesota in 1930." *Science,* 72:622-23.
December 19, 1930.

Review of Sir Arthur Keith, *Discoveries Relating to the Antiquity of Man in Minne-
apolis Journal,* May 3, 1931.

WILSON DALLAM WALLIS, Ph.D., Professor of Anthropology

Culture and Progress. New York: McGraw-Hill. 1930. 503 pages.

BOTANY

J. ARTHUR HARRIS,¹ Ph.D., Late Head of the Department of Botany and
Professor of Botany

The Measurement of Man (with D. G. Paterson, C. M. Jackson, and R. E. Scammon).
Minneapolis: University of Minnesota Press. 1930. 215 pages.

"Preface." Pages v-ix in Howard Palmer, *E. W. D. Holway—A Pioneer in the
Canadian Alps.* Minneapolis: University of Minnesota Press. 1931.

"The properties of the tissue fluids of sugar cane in their possible relation to drought
resistance" (with H. Atherton Lee). *Hawaiian Planters' Record,* 34:167-77. 1930.

¹ Died April 24, 1930.

- "The correlation between the sex of human siblings. I. The correlation in the general population" (with Borghild Gunstad). *Genetics*, 15:445-61. 1930.
- "Notes on the tissue fluids of *Phoradendron juniperinum* parasitic on *Juniperus utahensis*" (with Truman A. Pascoe and Ivan D. Jones). *Bulletin of the Torrey Botanical Club*, 57:113-16. 1930.
- "Illustration of the application of a coefficient measuring the correlation between a variable and the deviation of an associated but not dependent variable from its probable value" (with Borghild Gunstad). *Journal of American Statistical Association*, 25:305-7. 1930.
- Professor Pearson's note on our papers on contingency (with Alan E. Treloar and Marian Wilder). *Ibid.*, 25:323-27. 1930.
- "Osmotic concentration and water relations in the mistletoes, with special reference to the occurrence of *Phoradendron californicum* on *Covillea tridentata*" (with George J. Harrison and Truman A. Pascoe). *Ecology*, 11:687-702. 1930.
- "The problem of the relationship between the number and the sex of human offspring" (with Borghild Gunstad). *American Naturalist*, 64:495-508. 1930.
- "Further studies on the relationship between the concentration of the soil solution and the physicochemical properties of the leaf-tissue fluids of cotton" (with Truman A. Pascoe). *Journal of Agricultural Chemistry*, 41:767-88. 1930.
- "Freezing-point depression and specific conductivity of sorghum tissue fluids" (with John H. Martin and Ivan D. Jones). *Journal of Agricultural Research*, 42:57-69. 1931.
- "Extension of Pearson's correlation method to intraclass and interclass relationships" (with Borghild Gunstad). *Ibid.*, 42:279-91. 1931.

WILLIAM S. COOPER, Ph.D., Professor of Botany

- "A third expedition to Glacier Bay, Alaska." *Ecology*, 12:61-95. 1931.
- "The seed-plants and ferns of the Glacier Bay National Monument, Alaska." *Bulletin of the Torrey Botanical Club*, 57:327-38. May, 1930. (Issued May, 1931.)
- "The layering habit in Sitka spruce and the two western hemlocks." *Botanical Gazette*, 91:441-51. 1931.
- Review of C. A. Backer, *The Problem of Krakatao As Seen by a Botanist in Ecology*, 12:424-26. 1931.

JOSEPHINE E. TILDEN, M.S., Professor of Botany

- "The marine and freshwater algae of China." *Lingnan Science Journal*, 7:349-99. June, 1929. (Issued 1931.)
- "*Bactrospora irregularis*, a new brown alga from Australia" (with A. P. Fessenden). *Bulletin of the Torrey Botanical Club*, 57:381-88. June, 1930. (Issued May, 1931.)
- "Seaweed as a source of vitamins." *Illustrated London News*, 88:98, 99. January, 1931.

GEORGE O. BURR, Ph.D., Associate Professor of Botany

- "The metabolic rate and respiratory quotients of rats on a fat-deficient diet" (with L. G. Wesson). *Journal of Biological Chemistry*, 91:525-39. 1931.
- "Native vegetation in the prehistoric Lake Bonneville Basin." *Journal of the American Society of Agronomy*, 23:407-13. 1931.

ALAN EDWARD TRELOAR, Ph.D., Assistant Professor of Botany

- "On the theory of contingency. II. Professor Pearson's note on our papers on contingency" (with J. Arthur Harris and Marian Wilder). *Journal of the American Statistical Association*, 25:323-27. 1930.
- "James Arthur Harris." *Ibid.*, 25:356-58. 1930.
- "Wheat, flour and human nutrition." *Suaga*, 2:9-10. 1930.
- "A statistical analysis of the data compiled by the Committee on Methods of Analysis." *Cereal Chemistry*, 7:384-96. 1930.
- "Biometric analysis of cereal-chemical data. I. Variation." *Ibid.*, 8:69-88. 1931.
- "The variability of loaf volume in experimental baking" (with R. K. Larmour). *Ibid.*, 8:95-113. 1931.

BORGHILD GUNSTAD, B.S., Teaching Assistant in Botany

- "The correlation between the sex of human siblings. I. The correlation in the general population" (with J. Arthur Harris). *Genetics*, 15:445-61. 1930.
- "Illustration of the application of a coefficient measuring the correlation between a variable and the deviation of an associated, but not dependent variable from its probable value" (with J. Arthur Harris). *Journal of American Statistical Association*, 25:323-27. 1930.
- "The problem of the relationship between the number and the sex of human offspring" (with J. Arthur Harris). *American Naturalist*, 64:495-508. 1930.
- "Extension of Pearson's correlation method to intraclass and interclass relationships" (with J. Arthur Harris). *Journal of Agricultural Research*, 42:279-91. 1931.

COMPARATIVE PHILOLOGY

FREDERICK KLAEBER, Ph.D., Litt.D., Professor of Comparative and English Philology

The Later Genesis and Other Old English and Old Saxon Texts Relating to the Fall of Man (revised edition). Heidelberg: Carl Winter. 1931. 78 pages.

Reviews of

- C. W. M. Grein, *Dichtungen der Angelsachsen stabreimend übersetzt in Beiblatt zur Anglia*, 41:257. 1930.
- Renè Huchon, *Historie de la langue anglaise in ibid.*, 41:258. 1930.
- Hans Glunz, *Die Verwendung des Konjunktivs im Altenglischen in ibid.*, 41:261. 1930.
- Günther Scherer, *Zur Geographie und Chronologie des angelsächsischen Wortschatzes in ibid.*, 42:3. 1931.
- Felix Grendon, *The Anglo-Saxon Charms in ibid.*, 42:6. 1931.

ENGLISH

CECIL A. MOORE, Ph.D., Professor of English and Chairman of the Department of English

Reviews of

- Austin Warren, *Alexander Pope As Critic and Humanist in Journal of English and Germanic Philology*, 30:295-96. April, 1931.
- John W. Draper, *The Funeral Elegy and the Rise of English Romanticism in Modern Language Notes*, 46:270-71. April, 1931.

JOSEPH WARREN BEACH, Ph.D., Professor of English

Glass Mountain. Philadelphia: Macrae Smith. 1930. 330 pages.

"Le nouvel humanisme." *Le Cahier*, No. 8, pp. 31-36. 1930.

"The novel from James to Joyce." *Nation*, 132:634-36. June 10, 1931.

Review of James Branch Cabell, *Some of Us: An Essay in Epitaphs in Nation*, 131:622. 1930.

J. N. DOUGLAS BUSH, Ph.D., Associate Professor of English

"Spenser's Cantos of mutability." *Publications of the Modern Language Association*, 45:954-57. 1930.

"Hero and Leander and Romeo and Juliet." *Philological Quarterly*, 9:396-99. 1930.

"The tedious brief scene of Pyramus and Thisbe." *Modern Language Notes*, 46:144-47. 1931.

"Notes on Milton's classical mythology." *Studies in Philology*, 28:259-72. 1931.

G. TREMAINE MCDOWELL, Ph.D., Associate Professor of English

"James Fenimore Cooper as self-critic." *Studies in Philology*, 27:508-16. July, 1930.

"William Cullen Bryant and Yale." *New England Quarterly*, 3:706-16. October, 1930.

"Articles on American literature appearing in current periodicals" (with other bibliographers). *American Literature*, 3:82-101. March, 1931.

"Cullen Bryant prepares for college." *South Atlantic Quarterly*, 30:125-33. April, 1931.
Editor, James Fenimore Cooper, *The Spy*. Modern Student's Library. New York: Charles Scribner's Sons. 1931.

CHARLES WASHBURN NICHOLS, Ph.D., Assistant Professor of English
Editor, *The Two Gentlemen of Verona* (The Arden Shakespeare). Boston: D. C. Heath and Company. 1931. 106 pages.

HARLOW C. RICHARDSON, B.A., Assistant Professor of English
Practical Forms in Exposition (with L. N. Becklund, L. O. Guthrie, C. I. Haga, and J. Rusinko). University of Minnesota Mimeograph Department. 1931. 58 pages.

LUTHER NATHANIEL BECKLUND, B.A., Instructor in English
"Specification writing." Pages 49-58 in *Practical Forms in Exposition*. University of Minnesota Mimeograph Department. 1931.

HAROLD E. BRIGGS, M.A., Instructor in English
"Aspects of the undergraduate mind." *The English Journal*, 19:627-35. October, 1930.

FRANCES K. DEL PLAINE, M.A., Instructor in English
Editor (with Adah G. Grandy), *Current Prose for College Students*. New York: Macmillan. April, 1930. 504 pages.

ADAH G. GRANDY, B.L., Instructor in English
Editor (with Frances K. del Plaine), *Current Prose for College Students*. New York: Macmillan. April, 1931. 504 pages.

LEDRU OCTAVE GUTHRIE, M.A., Instructor in English
"Report on the English, the contents, and the form of long technical reports." Pages 32-48 in *Practical Forms in Exposition*. University of Minnesota Mimeograph Department. 1931.

CLIFFORD I. HAGA, B.A., Instructor in English
"Business letters." Pt. I, pages 1-9 in *Practical Forms in Exposition* (with L. O. Guthrie, L. N. Becklund, and J. Rusinko). University of Minnesota Mimeograph Department. 1931.

JOHN RUSINKO, M.A., Instructor in English
"Class reports and term papers." Pages 10-32 in *Practical Forms in Exposition* (with L. O. Guthrie, Clifford I. Haga, and L. N. Becklund). Minneapolis: University of Minnesota Mimeograph Department. 1931.

DONALD WANDREI, B.A., Assistant in English
Dark Odyssey. St. Paul: Webb Publishing Company. 1931. 48 pages.

FINE ARTS

Everard M. Upjohn, B.A., M.Arch., Assistant Professor of Fine Arts
"Fine arts" (with S. Chatwood Burton). Pages 1392-1494 in *New Century Book of Facts*. Wheeling, West Virginia: Continental Publishing Company. 1930.
Mimeographed syllabi and tests for class use.

GEOGRAPHY

RALPH H. BROWN, Ph.D., Assistant Professor of Geography

"The mountain passes of Colorado." *University of Colorado Studies*, 18:29-42. August, 1930.

"Colorado's mountain passes." *Colorado Yearbook for 1930*, State Board of Immigration. Pages 23-27.

"The mountain communities of the Boulder Region, Colorado." *Journal of Geography*, 29:271-87. October, 1930.

Abstracts in *Social Science Abstracts*, Vol. 2, 1930. Nos. 8811, 8819, 11158, 12421. Vol. 3, 1931. Nos. 4150, 4976, 4977.

RICHARD HARTSHORNE, Ph.D., Assistant Professor of Geography

Abstracts in *Social Science Abstracts*, Vol. 3, 1931. Nos. 19, 1909.

GEOLOGY AND MINERALOGY

WILLIAM HARVEY EMMONS, Ph.D., Professor of Geology and Head of the Department of Geology and Mineralogy

Geology of Petroleum. New York: McGraw-Hill Book Company, Inc. 1931. 736 pages.

FRANK F. GROUT, Ph.D., Professor of Geology and Mineralogy

"Probable extent of abyssal assimilation." *Geological Society of America Bulletin*, 41:675-94. 1930.

Review of J. L. Gillson, *Petrography of the Pioche District, Lincoln County, Nevada*, (U.S.G.S.) in *Economic Geology*, 25:667-70. 1930.

CLINTON R. STAUFFER, Ph.D., Professor of Geology

"Conodonts from the Decorah shale." *Journal of Paleontology*, 4:121-28. 1930.

JOHN W. GRUNER, Ph.D., Associate Professor of Geology

"The stability relations of goethite and hematite." *Economic Geology*, 26:442-45. 1931.

GEORGE M. SCHWARTZ, Ph.D., Associate Professor of Geology

"The relations of magnetite and ilmenite in the magnetite deposits of the Duluth gabbro." *American Mineralogist*, 15:243-52. 1930.

"The Tin Mountain spodumene mine." *Economic Geology*, 25:275-84. 1930.

"Pseudo-eutectic textures" (with C. J. Park). *Ibid.*, 25:658-63. 1930.

"Intergrowths of bornite and chalcopyrite." *Ibid.*, 26:186-201. 1931.

GEORGE A. THIEL, Ph.D., Associate Professor of Geology and Mineralogy

"New studies on the activities of bacterial agencies in sedimentation." *Report of Committee on Sedimentation, National Research Council*, 89:73-92. 1931.

Abstracts in *Annotated Bibliography of Economic Geology*, Vol. 3, 1931. Nos. 254, 258, 259, 260, 261, 263, 264, 265, 266, 268, 269, 272, 276, 285, 286, 287, 288, 291, 292.

GERMAN

OSCAR C. BURKHARD, Ph.D., Professor of German

Readings in Medical German. New York: Henry Holt and Company. 1930. xviii, 242, and lxxxv pages.

SAMUEL KROESCH, Ph.D., Professor of German

Review of Joseph Weisweiler, *Busze; bedeutungsgeschichtliche Beiträge zur Kultur-und Geistesgeschichte in Language*, 6:322-26. 1930.

"Change of meaning by analogy." Reprinted from *Studies in Honor of Hermann Colitz*. Johns Hopkins University, 1930. Pages 176-89.

GEORGE F. LUSSKY, Ph.D., Associate Professor of German

A Brief German Grammar. St. Paul: Buth and Company. 1931. 42 pages.

A Brief German Reader. 1931. 75 mimeographed pages.

JAMES DAVIES, Ph.D., Assistant Professor of German

Weekly articles for *Christian Science Monitor* for 1930-31.

Reviews of

Joseph Warren Beach, *Glass Mountain in Minneapolis Tribune*, October 5, 1930.

Our American Music. Thomas Y. Crowell Company, New York in *Minneapolis Tribune*, March 29, 1931.

New edition of George B. Shaw's works.. *Minneapolis Tribune*, September 28, 1930 and April 5, 1931.

Romaine Roland. *Goethe and Beethoven* (translated by G. A. Pfister and E. D. Kemp) in *Minneapolis Tribune*, April 19, 1931.

Donald Wandrei, *Dark Odyssey in Minneapolis Tribune*, April 19, 1931.

FREDERICK L. PFEIFFER, Ph.D., Assistant Professor of German

Associate Editor, *Sieben Aufsätze* von Thomas Mann. New York: Prentice Hall, Inc. 1930. 204 pages.

HISTORY

LESTER BURRELL SHIPPEE, Ph.D., Professor of History and Chairman of the Department of History

American Diplomatic History Syllabus. University of Minnesota Mimeograph Department. 1930. 35 pages.

"Cushman Kellogg Davis." Pages 109-10 in *Dictionary of American Biography*, Vol. 5. New York: Scribners. 1930.

Reviews of

Charles W. Thompson, *Presidents I've Known and Two Near Presidents in Mississippi Valley Historical Review*, 16:283-86. 1930.

Preston W. Slosson, *The Great Crusade and After, 1914-1928 in American Historical Review*, 36:625-26. 1931.

SOLON J. BUCK, Ph.D., Professor of History

The Story of the Grand Portage. Minneapolis: Cook County (Minnesota) Historical Society. 1931. 16 pages.

"The problem of adequate historical collections." Pages 249-56 in *The Trans-Mississippi West*. Boulder: University of Colorado. 1930.

"Folwell, William Watts." Pages 495-96 in *Dictionary of American Biography*, Vol. 6. 1931.

"The Minnesota Historical Society in 1930." *Minnesota History*, 12:21-33. 1931.

"Endowment fund." *Annual Report of the American Historical Association for 1926*, pp. 71-77. 1930.

A classified list of articles in the *Minnesota History Bulletin*, Vols. 1-5, and *Minnesota History*, Vols. 6-10. *Minnesota History*, Index vols. 1-10:1-11. 1931.

Review of H. E. Cole, *Stagecoach and Tavern Days of the Old Northwest in Wisconsin Magazine of History*, 14:238. 1930.

Editor

William W. Folwell, *A History of Minnesota*, Vol. 4. St. Paul: Minnesota Historical Society, 1930.

"Making a farm on the frontier; Extracts from the diaries of Mitchell Young Jackson." *Agricultural History*, 4:92-120. 1930.

ALFRED L. BURT, M.A., Professor of History

Manitoba High School Civics. Toronto: Gage and Company. 1930. 112 pages.

Our Dynamic Society. University of Alberta Press Bulletin, Vol. 16, No. 3. 4 pages.

"The quarrel between Germain and Carleton: An inverted story." *The Canadian Historical Review*, 11:202-22. September, 1930.

Reviews of

G. S. Graham, *British Policy and Canada, 1774-1791* in *Canadian Historical Review*, 12:202-4. June, 1931.

D. L. S., *Fifty Years in Western Canada* in *ibid.*, 12:210. June, 1931.

HERBERT HEATON, M.A., M.Com., D.Litt., Professor of Economic History

"John Ballance." Pages 408-9 in *Encyclopaedia of the Social Sciences*, Vol. 2. 1930.

"Richard Bourke." Page 657 in *Encyclopaedia of the Social Sciences*, Vol. 2. 1930.

"Differences of outlook among the white peoples around the Pacific." Pages 103-4 in *Proceedings of Institute of International Relations*, Vol. 6. University of California Printing Office, 1930.

"Benjamin Gott's relations with Soho." Pages 187-92 in *The Leeds Woollen Industry, 1780-1820*. Leeds: Thoresby Society. 1931.

"Benjamin Gott and the Industrial Revolution in Yorkshire." *Economic History Review*, 3:45-66. 1931.

"The depression in Australia." *Journal of the Canadian Bankers' Association*, 38:162-70. 1931.

Reviews of

G. V. Portus, *The American Background: Sketched for Australians* in *American Economic Review*, 20:550-51. 1930.

T. S. Ashton and J. Sykes, *The Coal Industry in the 18th Century* in *Economic History Review*, 3:154-56. 1931.

J. B. Condliffe, *New Zealand in the Making* in *Journal of Political Economy*, 39:274-76. 1931.

AUGUST C. KREY, Ph.D., Professor of History

Preface to "History Teaching in Other Lands." *Historical Outlook*, 21:316. 1930.

"Changes which may effect a reorganization of the social studies program in the high schools." *Proceedings of the Michigan School Masters Club*. May 1, 1931.

THEODORE C. BLEGEN, Ph.D., Associate Professor of History

Norwegian Migration to America, 1825-1860. Northfield: Norwegian American Historical Association. 1931. 413 pages.

"An early Norwegian settlement in Canada." *Canadian Historical Association, Annual Report*, 1930. Pages 83-88.

"California—Gull og Brasiliansk Kolonisasjon." *Nordmandsforbundet* (Oslo), julehefte, 1930. Pages 45-48.

"Charles E. Flandrau." *Dictionary of American Biography*. Vol. 6, New York, 1930. Abstracts in *Social Science Abstracts*, Vol. 2, 1930. Nos. 9083, 9112, 9115, 9116, 9127, 9130, 9131, 16016. Vol. 3, 1931. Nos. 516, 517, 522, 541, 542, 546, 551-554, 562, 566, 569, 582, 2426, 2441, 2448, 4012, 4015, 5413.

"Collecting local history materials: Some illustrations." *Daily People's Press* (Owatonna), June 14, 1930.

"Glimpsing Minnesota in the fifties." *Brown County Journal* (New Ulm), January 23 and 30, 1931.

Editor, *Minnesota History* (a quarterly magazine), Vol. 11, No. 3, pp. 231-346, September, 1930; No. 4, pp. 343-468, December, 1930; Vol. 12, No. 1, pp. 3-108, March, 1931; No. 2, June, 1931.

GEORGE M. STEPHENSON, Ph.D., Associate Professor of History

"Olof Olsson." *The Friend*, 7:7-9. September, 1930.

"The educational problem of the Augustana Synod." *Lutheran Companion*, 39:78-79, 112-13, 144-45, 175-76, 207-8. 1931.

Biographies of Svante Ulrik Cronstoe, Kjell Gustaf William Dahl, and John Gustaf Dahlberg in *Svenskt Biografiskt Lexikon*, 9:243-46, 570-73, 606-8. Stockholm, 1931.

Reviews of

Vergilius Ferm, *What Is Lutheranism? A Symposium in Interpretation in Lutheran Church Quarterly*, 3:308-12. 1930.

Stanley Holte Anonsen, *A History of Swift County in Minnesota History*, 11:434-36. 1930.

HAROLD C. DEUTSCH, Ph.D., Assistant Professor of History

"Napoleonic policy and the project of a descent upon England." *The Journal of Modern History*, 2:541-68. 1930.

Reviews of

H. Butterfield, *The Peace Tactics of Napoleon, 1806-1808* in *Journal of Modern History*, 2:668-71. 1930.

F. Kircheisen, *Fürstenbriefe an Napoleon I* in *American Historical Review*, 36:133-34. 1930.

L. Käss, *Die Organisation der allgemeinen Staatsverwaltung auf dem Linken Rheinufer durch die Franzosen während der Besetzung 1792 bis zum Frieden von Lunéville, 1801* in *ibid.*, 36:432-33. 1931.

ERNEST S. OSGOOD, Ph.D., Assistant Professor of History

Reviews of

J. Frank Dobie, *A Vaquero of the Brush Country* in *Folk-Say, A Regional Miscellany*, pp. 420-21. 1930.

J. B. Hedges, *Henry Villard and the Northwest Railways* in *Minnesota History*, 12:72-73. 1931.

LAWRENCE D. STEEFEL, Ph.D., Assistant Professor of History

Review of William Berdow, *Krupp: A Great Business Man Seen Through His Letters* in *Journal of Modern History*, 3:130-32. March, 1931.

Abstracts in *Social Science Abstracts*, Vol. 3, 1931. Nos. 454, 2974.

DAVID HARRIS WILLSON, Ph.D., Assistant Professor of History

The Parliamentary Diary of Robert Bowyer, 1606-1607. Minneapolis: University of Minnesota Press. 1931. 425 pages.

"The Earl of Salisbury and the 'Court' Party in Parliament." *American Historical Review*, 36:274-94. 1931.

Reviews of

Edward Raymond Turner, *The Cabinet Council of England in the Seventeenth and Eighteenth Centuries* in *Saturday Review of Literature*, 7:22. August 2, 1930.

William King, *Memoirs of Sarah, Duchess of Marlborough* in *ibid.*, 7:208. October 1930.

Philip Gibbs, *King's Favorite* in *ibid.*, 7:732-33. April 11, 1931.

JOHN L. LA MONTE, Ph.D., Lecturer in History

"A register of the cartulary of the Cathedral of Santa Sophia of Nicosia." *Byzantion*, Vol. 5, No. 2, pp. 439-522. 1930.

JOURNALISM

RALPH D. CASEY, Professor of Journalism

"Scripps-Howard newspapers in the 1928 presidential campaign." *Journalism Quarterly*, 7:209 31. 1930.

- "The present status of journalistic literature." *Ibid.*, 8:125-36. 1931.
 "Training the future newspaperman." *Sixty-fifth Annual Proceedings of the Minnesota Editorial Association*, pp. 39-46. June, 1931.
 Review of *National Editorial Association, Official Proceedings in Journalism Quarterly*, 7:377. December, 1930.
 Abstract in *Social Science Abstracts*, Vol. 3, 1931. No. 4506.
 Annotated bibliographies of articles on journalistic subjects in American magazines.

KENNETH E. OLSON, M.A., Professor of Journalism

- Typography and Mechanics of the Newspaper*. New York: Appleton. 1930. 457 pages.
 Reviews of
 H. Mills Cartwright, *Photogravure in Journalism Quarterly*, 7:190. June, 1930.
 Anonymous, *Confessions of a Copywriter in ibid.*, 8:292-93. June, 1931.
 News items for papers and trade publications on various phases of instruction in journalism.

THOMAS F. BARNHART, B.A., Assistant Professor of Journalism

- How Many Pages This Week?* (revised edition). Seattle: Washington Press Association. July, 1930. 50 pages.
 "How I increased circulation." *Linotype News*, 9:3. December, 1930.

LATIN

JOSEPH B. PIKE, M.A., Professor of Latin and Head of the Department of Latin

- Classical Studies and Sketches*. Minneapolis: University of Minnesota Press. 1931. 176 pages.

MATHEMATICS

RAYMOND W. BRINK, Ph.D., Professor of Mathematics and Chairman of the Department of Mathematics

- Tutorial Exercises in Trigonometry* (with Ella Thorp). New York: Century Company. 1931. 102 pages.
 "A simplified integral test for the convergence of infinite series." *American Mathematical Monthly*, 38:205-8. 1931.

WILLIAM L. HART, Ph.D., Professor of Mathematics

- College Algebra* (alternate edition). Boston: D. C. Heath and Company. 1931. 380 pages.
 "The mathematics of investment." Pages 61-85 in *Mathematics in Modern Life, the Sixth Yearbook of the National Council of Teachers of Mathematics*. New York: Columbia Press. 1931.
 "Limited tri-linear forms in Hilbert space." *American Journal of Mathematics*, 52:563-70. 1930.
 Review of F. R. Moulton, *Differential Equations in Popular Astronomy*, 39:240. April, 1931.

DUNHAM JACKSON, Ph.D., Professor of Mathematics

- "On certain problems of approximation in the complex domain." *Bulletin of the American Mathematical Society*, 36:851-57. 1930.
 "Note on the convergence of a sequence of approximating polynomials." *Ibid.*, 37: 69-72. 1931.
 "Report of the Committee on College Entrance Requirements in Geometry." *American Mathematical Monthly*, 38:241-45. 1931; *Mathematics Teacher*, 24:298-302. 1931.
 Editor, *Transactions of the American Mathematical Society* (with H. H. Mitchell and F. R. Sharpe), 1930; (with R. D. Carmichael and F. R. Sharpe), 1931.

GLADYS GIBBENS, Ph.D., Assistant Professor of Mathematics

"Some constructions for the classical problems of geometry." *American Mathematical Monthly*, 37:343-48. 1930.

ELLA THORP, B.A., Instructor in Mathematics

Tutorial Exercises in Trigonometry. New York: Century Company. 1931. 102 pages.

MARIAN A. WILDER, Assistant in Mathematics

"Correlation coefficients and transformations of axes." *American Mathematical Monthly*, 38:64-66. 1931.

MUSIC

DONALD N. FERGUSON, M.A., Professor of Music

Analytical Notes on Composition Performed During the Twenty-eighth Season of the Minneapolis Symphony Orchestra. Twenty-eighth Yearbook of the Minneapolis Symphony Orchestra. Minneapolis: Bushnell Dahlquist Company.

ORIENTATION

MARY SHAW KUYPERS, Instructor in Orientation

Studies in the Eighteenth Century Background of Hume's Empiricism. Minneapolis: University of Minnesota Press. 1930. viii, 140 pages.

PHILOSOPHY

DAVID F. SWENSON, B.S., Professor of Philosophy

"Logical and existential systems." Translation from the Danish of Søren Kierkegaard, Chapter 24, pp. 637-51 in Robinson's *Anthology of Modern Philosophy*. New York: Thomas Y. Crowell. 1930.

"Second generation of the Chicago School." *International Journal of Ethics*, 11:402-15. 1930.

GEORGE P. CONGER, B.D., Ph.D., Associate Professor of Philosophy

A World of Epitomizations. Princeton: Princeton University Press. 1931. xiv, 600 pages.

"Mrs. Sarah Heywood Folwell." *Minnesota Daily*, p. 2. April 21, 1931.

PHYSICS

JACOB FRENKEL, Ph.D., Professor of Theoretical Physics

"On the electric resistance of contacts by solid conductors." *Physical Review*, 36:1604-18. December 1, 1930.

"On the transformation of light into heat in solids." Part I. *Ibid.*, 37:17-45. January 1, 1931; Part II. *Ibid.*, 37:1276-95. May 15, 1931.

"Recent progress in the Soviet Union." *Minnesota Techno-Log*, 11:98-99, 116. January, 1931.

LOUALLEN F. MILLER, Ph.D., Professor of Physics

Review of P. J. Kiefer and M. C. Stuart, *Principles of Engineering Thermodynamics* in *Physical Review*, 31:1373. 1931.

JOHN TORRENCE TATE, Ph.D., Professor of Physics

Abstract of *The Ionization by Electron Impact and Extra Ionisation Potentials of Nitrogen and Carbon Monoxide* (with P. T. Smith) in *Physical Review*, 37:1705. June, 1931.

Editor

Physical Review, 1926-31.*Reviews of Modern Physics*, 1929-31.

ANTHONY ZELENY, Ph.D., Professor of Physics

Review of W. H. Timbie and V. Bush, *Principles of Electrical Engineering in Physical Review*, 37:1375. May 15, 1931.

J. WILLIAM BUCHTA, Ph.D., Associate Professor of Physics

Reviews of

J. Barton Hoag, *Electron Physics in Physical Review*, 36:1420. 1930.J. W. Campbell, *An Introduction to Mechanics in ibid.*, 36:1517. 1930.F. H. Newman and V. H. L. Searle, *The General Properties of Matter in ibid.*, 36:1517. 1930.Millikan, Gale, and Edwards, *A Manual of Experiments in ibid.*, 36:1594. 1930.Assistant editor of *Physical Review*, 1931.

JOSEPH VALASEK, Ph.D., Associate Professor of Physics

Physics Survey Course. Part V. Optics. 1930. 39 mimeographed pages."The fine structure of certain X-ray emission lines." *Physical Review*, 36:1523-30. November 15, 1930.

Reviews of

John Belling, *The Use of the Microscope in Physical Review*, 35:1410. 1930.G. Bruhat, *Traité de Polarimétrie in ibid.*, 35:1410. 1930.General discussion held by the Faraday Society on *Optical Rotatory Power in ibid.*, 37:96. 1931.G. Bruhat, *Cours d'Optique in ibid.*, 37:661. 1931.

EDWARD L. HILL, B.S. in E.E., Ph.D., Assistant Professor of Theoretical Physics

"A problem in the quantum mechanics of crystals." *Physical Review*, 37:785-94. 1931.

Reviews of

A. Landé, *Vorlesungen über Wellenmechanik in Physical Review*, 37:332. 1931.G. Déjardin, *Les Quanta in ibid.*, 37:784. 1931.T. A. Ramos, *Leçons sur le calcul vectoriel in ibid.*, 37:1374. May 15, 1931.L. de Broglie, *Wave Mechanics in ibid.*, 37:1374. May 15, 1931.Abstract of *Zeeman Effect in the $^2\Sigma^2\Sigma$ Cyanogen Bands in Physical Review*, 37:1709. June 15, 1931.

WALKER BLEAKNEY, Ph.D., Teaching Assistant in Physics

"Ionization potentials and probabilities for the formation of multiple charged ions in helium, neon and argon." *Physical Review*, 36:1303-8. 1930.

WILLIAM WALLACE LOZIER, B.A., Teaching Assistant in Physics

"A study of the velocities of H^+ ions formed in hydrogen by dissociation following electron impact." *Physical Review*, 36:1285-92. 1930."Negative ions in hydrogen and water vapor." *Ibid.*, 36:1417-18. 1930.Abstract of *A Study of the Velocities of Ions Formed in Nitrogen by Electron Impact in ibid.*, 37:1101. 1931.

RALPH RONALD PALMER, B.A., Teaching Assistant in Physics

"The effect of resolving power on measurements of the absorption coefficient of electrons in gases." *Physical Review*, 37:70-80. 1931.Abstract No. 10 in *Bulletin of the American Physical Society*, Vol. 5, No. 6, p. 7. November 15, 1930.

PHILIP T. SMITH, B.A., Teaching Assistant in Physics

"Ionization of helium, neon and argon." *Physical Review*, 36:1293. 1930.

"Ionization of mercury vapor by electron impact." *Ibid.*, 37:808. 1931.

Abstracts of

The Efficiency of Ionization of Mercury Vapor by Electron Impact Near the Ionization Potential in *Physical Review*, 37:100. 1931.

The Ionization by Electron Impact and Extra Ionization Potentials of Nitrogen and Carbon Monoxide (with John T. Tate) in *ibid.*, 37:1705. June, 1931.

POLITICAL SCIENCE

WILLIAM ANDERSON, Ph.D., Professor of Political Science and Chairman of the Department of Political Science

"Requirements for the doctorate in political science." *American Political Science Review*, 24:711-36. 1930.

OLIVER P. FIELD, M.A., LL.B., S.J.D., Professor of Political Science

"State constitutional law, 1929-30." *American Political Science Review*, 24:666-86. 1930.

"Memorandum on some recent decisions relative to the restraint and recovery of illegal taxes in Iowa." *Iowa Law Review*, 16:381-91. 1931.

Reviews of

J. Hart, *Tenure of Office under the Constitution* in *Illinois Law Review*, 25:597-601. 1931.

E. Berman, *Labor and the Sherman Act* in *Minnesota Law Review*, 15:489-90. 1931.

Editor, Lloyd A. Wilford, *Administration of Workmen's Compensation in Minnesota*. Minneapolis: University of Minnesota Press. 1930. 35 pages.

HAROLD S. QUIGLEY, Ph.D., Professor of Political Science

"Asylum." Pages 289-90 in *Encyclopedia of the Social Sciences*, Vol. 2, 1930.

"The Japan of today." *Current History*, 32:898-904. 1930.

"The Far East." *Ibid.*, 32:812-17, 1024-27, 1234-37; 33:157-60, 317-20, 474-80, 634-39, 792-96, 958-60; 34:157-60, 317-20, 478-80. 1930-31.

"The trend to democracy in Japan." *Selected Papers, Institute of Oriental Students*, 4:26-33. 1930.

"Privy council v. cabinet in Japan." *Foreign Affairs*, 9:501-5. 1931.

Reviews of

A. N. Holcombe, *The Chinese Revolution* in *Current History*, 32:1042-44. 1930.

Quincy Wright, *Mandates under the League of Nations* in *Minnesota Law Review*, 15:615-17. 1931.

Ugo Bassi, *Italia e Cina* in *American Journal of International Law*, 25:417. 1931.

EDWIN O. STENE, M.A., Instructor in Political Science

State Supervision of Local Finance in Minnesota. The League of Minnesota Municipalities, Publication No. 30. 1930. 34 pages.

PSYCHOLOGY

RICHARD M. ELLIOTT, Ph.D., Professor of Psychology and Chairman of the Department of Psychology

Editor, The Century Psychology Series:

Donald G. Paterson, *Physique and Intellect*. 1930.

Edward L. Thorndike, *Human Learning*. 1931.

Florence L. Goodenough and John E. Anderson, *Experimental Child Study*. 1931.

Charles Bird, *Effective Study Habits*. 1931.

DONALD G. PATERSON, M.A., Professor of Psychology

Physique and Intellect. New York: Century Company. 1930. 304 pages.

- "The University of Minnesota Summer Session for self-appraisal: an experiment in guidance on the college level" (with E. G. Williamson). *Proceedings of Purdue-Wabash Conference of College Personnel Officers*, Vol. 14, No. 21, pp. 47-48. 1930.
- "Minnesota mechanical ability tests." *Western Arts Association Bulletin*, No. 24, pp. 95-98. 1930.
- "Studies of typographical factors influencing speed of reading: V. Simultaneous variation of type size and line length" (with M. A. Tinker). *Journal of Applied Psychology*, 15:72-78. 1931.

CHARLES BIRD, Ph.D., Associate Professor of Psychology

Effective Study Habits. New York: The Century Company. 1931. 247 pages.

- "Suggestion." *Minnesota Alumni Weekly*, 30:349-50. March 7, 1931.

WILLIAM T. HERON, Ph.D., Assistant Professor of Psychology

"The test-retest reliability of rat learning scores from the multiple-T maze." *Pedagogical Seminary and Journal of Genetic Psychology*, 38:101-13. 1930.

Abstracts in *Psychological Abstracts*, Vol. 4. 1930. Nos. 472, 525, 526, 567, 577, 647, 648, 649, 669, 672, 676, 700.

Co-operating editor, *Psychological Bulletin*, 1930-31.

KATE HEVNER, Ph.D., Assistant Professor of Psychology

Program for Club Study on Modern Trends in Psychology. Minneapolis: University of Minnesota Mimeograph Department. 1930. 30 pages.

- "An empirical study of three psychophysical methods." *Journal of General Psychology*, 4:191-212. December, 1930.
- "An experiment in teaching laboratory psychology by the project method" (with Mary Shirley). *Journal of Applied Psychology*, 14:309-54. August, 1930.
- "Tests for esthetic appreciation in the field of music." *Ibid.*, 14:470-77. October, 1930.
- "Measurement of ability to appreciate music" (abstract). *Psychological Bulletin*, 28:235. March, 1931.

MILES A. TINKER, Ph.D., Assistant Professor of Psychology

"A comparative study of finger tapping in children and adults" (with F. L. Goodenough). *Child Growth*, 1:152-59. 1930.

"The relative legibility of modern and old style numerals." *Journal of Experimental Psychology*, 13:453-61. October, 1930.

"A comparative study of several methods of measuring speed of tapping in children and adults" (with F. L. Goodenough). *Journal of Genetic Psychology*, 38:146-60. 1930.

"The laboratory course in psychology. I. Methods for ranking stimuli." *Journal of General Psychology*, 5:53-63. 1931.

"The effect of color on apparent size." *American Journal of Psychology*, 43:109-11. January, 1931.

"Apparatus for recording eye movements." *Ibid.*, 43:115-18. June, 1931.

"Physiological psychology of reading." *Psychological Bulletin*, 28:81-98. February, 1931.

"The psychology of reading." *Minnesota Alumni Weekly*, 30:311-12. 1931.

"Studies of typographical factors influencing speed of reading. V. Simultaneous variation of type size and line length" (with D. G. Paterson). *Journal of Applied Psychology*, 15:72-78. February, 1931.

CORNELIA TAYLOR, B.A., Teaching Assistant in Psychology

"Visual perception versus visual plus kinaesthetic perception in judging." *Journal of General Psychology*, 4:229-46. 1930.

LEWIS E. DRAKE, B.A., Teaching Assistant in Psychology

"The rat: a bibliography." *Psychological Bulletin*, 27:141-239. 1930.

"An apparatus for studying the acuity of the proprioceptive senses in rats." *Journal of Comparative Psychology*, 10:199-205. 1930.

KENNETH SELTSAM,¹ B.A., Teaching Assistant in Psychology

"Organismic psychology and educational theory." *Journal of Educational Psychology*, 22:351-59. 1931.

ROMANCE LANGUAGES

COLBERT SEARLES, Ph.D., Professor of Romance Languages

Fables of La Fontaine. New York: Henry Holt and Company. 1929. 247, lxxi pages.

CARLOS V. ARJONA, Ph.D., Associate Professor of Romance Languages

"Cotejo histórico de un episodio nacional (El Diecinueve de Marzo y el Dos de Mayo de 1808) de Benito Pérez Galdós." *Bulletin Hispanique*. June, 1931.

STANLEY D. KANE, B.A., Teaching Assistant in Romance Languages

"We were seven." *Minnesota Quarterly*, 8:31-35. Spring, 1931.

SCANDINAVIAN

ANDREW A. STOMBERG, M.A., Professor of Scandinavian Languages and Literature

Managing editor of the *Bulletin of the Swedish Historical Society of America*, 1930-31.

AAGE BRUSENDORFF, Ph.D., Visiting Professor

"The relative aspect of the verb in English." Pages 225-48 in *A Grammatical Miscellany*. Copenhagen: Otto Jespersen. 1930.

Co-editor, *A Grammatical Miscellany*. Copenhagen: Otto Jespersen. 1930.

SOCIOLOGY

F. STUART CHAPIN, Ph.D., Professor of Sociology, Chairman of the Department of Sociology and Director of the Training Course for Social and Civic Work

"The child's enlarging social horizon." *Annals of the American Academy of Political and Social Science*, 151:11-19. 1930.

"Social Science Abstracts—an institution-in-the-making. An example of social invention and social engineering." *American Journal of Sociology*, 36:406-22. 1930.

"Abstracts in the social sciences." *Library Journal*, 22:39-43. 1931.

"Research studies in extra-curricular activities and their significance in reflecting social changes." *Journal of Educational Sociology*, 4:491-98. April, 1931.

"The problem of controls in experimental sociology." *Ibid.*, 4:541-51. May, 1931.

Review of C. Wissler, *An Introduction to Social Anthropology* in *Annals of the American Academy of Political and Social Science*, 153:283-84. 1931.

Abstracts in *Social Science Abstracts*, Vol. 2, 1930. No. 13821; Vol. 3, 1931. No. 4874.

Editor-in-chief of *Social Science Abstracts*, 1930-31.

Editor, Harper's Social Science Series:

Joseph K. Folsom, *Social Psychology*. 1931.

Ellwood Street, *Social Administration*. 1931.

¹ Died November 30, 1930.

MALCOLM M. WILLEY, Ph.D., Professor of Sociology

An Introduction to Sociology (a syllabus). Minneapolis: University of Minnesota Press. 1930. 29 pages.

"Wilmer Atkinson." Page 302 in *Encyclopædia of the Social Sciences*, Vol. 2. 1930.

"Teaching sociology—a proposed reorganization of the introductory courses." *Social Forces*, 9:338-43. 1931.

"Communication" (with Stuart A. Rice). *American Journal of Sociology*, 36:966-77. 1931.

"What others are writing and thinking—current newspaper bibliography." *United States Publisher and Printer*, Vols. 8-9 (monthly, June-March), 1930-31.

Editorials in one of the Twin City daily newspapers.

Editor, The Sociological Press:

McQuilkin DeGrange, *The Curve of Social Movement*. 1930.

Reviews of

George A. Lundberg, Read Bain, and others, *Trends in American Sociology* in *Journal of Abnormal and Social Psychology*, 25:362-63. 1930.

Clifford Shaw, *Delinquency Areas* in *ibid.*, 25:357-58. 1930.

Frederick Bushee, *Social Organization* in *American Journal of Sociology*, 36:486-87. 1930.

John L. Gillin and Frank W. Blackmar, *Outlines of Sociology* in *ibid.*, 36:677-78. 1931.

Edward C. Hayes, *Sociology* in *ibid.*, 36:837-38. 1931.

E. A. Ross, *Principles of Sociology* (revised edition) in *ibid.*, 36:837-38. 1931.

Julian L. Woodward, *Foreign News in American Morning Newspapers* in *Social Forces*, 9:455. 1931.

CLIFFORD KIRKPATRICK, Ph.D., Associate Professor of Sociology

"Statistical studies of personality and personality maladjustment." Pages 187-216 in Stuart A. Rice, editor, *Statistics in Social Studies*. Philadelphia: University of Pennsylvania Press. 1930.

"Culture becomes introspective." *Birth Control Review*, 24:169-71. 1930.

Reviews of

Luther C. Fry, *The United States Looks at Its Churches* in *Annals of the American Academy*, 152:422. November, 1930.

Luigi Luzzatti, *God in Freedom* in *ibid.*, 154:196. March, 1931.

Outline for the preparation of family case studies.

GERTRUDE VAILE, M.A., Associate Professor of Sociology and Associate Director of the Training Course for Social and Civic Work

Review of J. C. Colcord and Ruth Z. S. Mann (editors), *The Long View, Papers and Addresses of Mary E. Richmond* in *Social Forces*, 9:607-8. June, 1931.

ANNE F. FENLASON, M.A., Assistant Professor of Sociology

Abstracts (with P. S. Salsberry) in *Social Abstracts*, Vol. 2, 1930. Nos. 5020, 3390, 1985, 2016, 2017, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2073, 2077, 2078, 2080, 2087, 2040, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049; 1931. Nos. 16942, 16943, 16946, 16947, 16948, 16954, 16955.

ELIZABETH G. GARDINER, Assistant Professor of Sociology

"Neglected elements of convalescent care." *Hospital Social Service*, 23:543-59. June, 1931.

GUSTAVE A. LUNDQUIST, Ph.D., Assistant Professor of Sociology

A Statistical Study of Needy Person and Person Eligible to Old Age Pensions in the County of Ramsey and in the City of St. Paul. St. Paul: Johnson Printing Company. 1930. 19 pages.

"Annual Report of the Board of Control and the Board of Public Welfare of the County of Ramsey and the City of St. Paul." 1929. Pages 1-112.

- "Measuring church efficiency." *The Lutheran*, 96:18-33. June, 1930.
- "Inner mission planning and the survey method." *Proceedings of the Ninth Annual Meeting of the National Inner Mission Conference*, May 13 to 17, 1930.
- "Augustana and the new day." *Lutheran Companion*, 39:24-25. April, 1931.
- "Poor relief and the old age pension system." *Proceedings of the State Association of County Commissioners*, pp. 130-38. February 26-27, 1931.
- "The charity wage." *Survey*, 66:392. July, 1931.

GEORGE B. VOLD, Ph.D., Assistant Professor of Sociology

Prediction Methods and Parole. Hanover, N. H.: The Sociological Press. 1931. 180 pages.

- "Some possibilities in the predicting of success or failure on parole." *Proceedings of the Minnesota State Conference and Institute of Social Work*, pp. 115-25. September 8-13, 1930.
- "Do parole prediction tables work in practice?" *Publications of the American Sociological Society*, 25:136-38. May, 1931.
- Review of Mabel A. Elliott, *Correctional Education and the Delinquent Girl* in *Journal of Criminal Law and Criminology*, 21:458-59. November, 1930.

SPEECH

BRYNG BRYNGELSON, M.A., Assistant Professor of Speech

Treatment of stuttering. *Journal of Expression*, 5:19-26. 1931.

F. LINCOLN D. HOLMES, Ph.D., Assistant Professor of Speech

- "The problem of voice placement." *Quarterly Journal of Speech*, 17:236-45. 1931.
- "Rationalizing on standard pronunciation." *Ibid.*, 17:267-70. 1931.
- Review of Harvey Fletcher, *Speech and Hearing* in *Quarterly Journal of Speech*, 16: 368-70. 1930.

FRANKLIN H. KNOWER, M.A., Instructor in Speech

"Skilled speech for better business." *Duluth Bankers*, Vol. 4, No. 2, pp. 6-7. 1930.

ZOOLOGY

ADOLPH R. RINGOEN, Ph.D., Associate Professor of Zoology

Histology Outlines. Minneapolis: Burgess-Roseberry Company. 1930. 114 mimeographed pages.

RALPH W. DAWSON, Ph.D., Assistant Professor of Zoology

- "The problem of voltinism and dormancy in the polyphemus moth (*Telea polyphemus* Cramer)." *Journal of Experimental Zoology*, 59:87-131. 1931.
- "Report of two cases of metathetely in polyphemus larvae (*Telea polyphemus* Cramer)." *Entomological News*, 42:125-26, Pl. 3. 1931.

SAMUEL EDDY, Ph.D., Assistant Professor of Zoology

The fresh-water armored or *Thecate Dinoflagellates*. *Transactions of American Microscopical Society*, 49:277-321. 1930.

JOHN A. CEDERSTROM, Ph.B., Instructor in Zoology

- "Retention of information gained in courses in college zoology." *Journal of Genetic Psychology*, 38:516-20. 1930.
- "The influence of a secondary course in zoology upon gains in college zoology." *Journal of Educational Research*, 24:57-61. June, 1931.
- "Gains of the highest and lowest." *Journal of Higher Education*, 2:321-25. June, 1931.

REED O. CHRISTENSON, M.A., Instructor in Zoology

- How to Detect the Parasites of Fur-Bearing Animals* (with W. A. Riley). University of Minnesota Agricultural Extension Division Pamphlet No. 18. 1931. 22 pages.
 "An analysis of reputed pathogenicity of *Thysanosoma actinioides* in adult sheep." *Journal of Agricultural Research*, 42:245-49. 1931.
 Abstract of N. A. Cobb, *The Chromotropism of Mermis Subnigriscens, Nemic Parasite of Grasshoppers in Biological Abstracts*, Vol. 5, No. 3. 1931.

JOHN P. TURNER, Ph.D., Instructor in Zoology

- Abstract of André Naville, *Le Cycle Chromosomique et la Meiose ches les Monocystis in Biological Abstracts*, Vol. 5, No. 3. March, 1931.

FRANKLIN G. WALLACE, M.A., Teaching Assistant in Zoology

- "Lung flukes of the Genus *Paragonimus* in American mink." *Journal of the American Veterinary Medical Association*, 31:229-34. 1931.
 "The North American lung fluke." *Science*, 73:481-82. 1931.

COLLEGE OF ENGINEERING AND ARCHITECTURE

ADMINISTRATION

ORA MINER LELAND, C.E., Dean of the College of Engineering and Architecture, and the School of Chemistry

- "Report on engineering experiment stations." Pages 322-24 in *Proceedings of the Fifty-fourth Annual Convention of the Association of Land-Grant Colleges and Universities*. Washington, November 17-19, 1930.
 "Discussion on experiment station legislation." Pages 349-50 in *ibid.*, November 17-19, 1930.

CIVIL ENGINEERING

FREDERIC BASS, M.S.C.E., Professor of Municipal and Sanitary Engineering and Head of the Department of Civil Engineering

- "Sewage disposal for the metropolitan district" (with others). *The Bulletin of the Minnesota Federation of Architectural and Engineering Societies*, Vol. 16, No. 3, pp. 29-33. 1931.

FRED C. LANG, C.E., Professor of Highway Engineering

- "Discussion—Subgrades and pavement bases." *1930 Convention Proceedings of American Road Builders' Association*, pp. 508-19. 1930.
 "Accuracy of water measurement on paving mixers" (with Bert Myers). *Proceedings of the Ninth Annual Meeting of the Highway Research Board*, 9:332-45. 1930.
 "Special investigation on curing of concrete pavement slabs—progress report" (with Committee and Fred Burggraf). *Ibid.*, 9:369-90. 1930.
 "Discussion—Durability of aggregates" (with C. A. Hughes). *Ibid.*, 10:116-31. 1931.
 "Deleterious substances in concrete aggregates." *Minnesota Techno-Log*, 11:180-81. 1931.

CHESTER A. HUGHES, M.A.Sc., Assistant Professor of Civil Engineering

- "Strength and shrinkage of mortars made with blends of Portland cement and pozzuolanic materials" (with A. S. Levens). *Journal of the American Concrete Institute*, Vol. 2, No. 4, pp. 317-37. 1930.
 "Discussion—Durability of aggregates" (with F. C. Lang). *Proceedings of the Tenth Annual Meeting of the Highway Research Board*, 10:116-31. 1931.

DRAWING AND DESCRIPTIVE GEOMETRY

ALEXANDER S. LEVENS, C.E., Assistant Professor of Drawing and Descriptive Geometry

"Strength and shrinkage of mortars made with blends of Portland cement and pozzuolanic materials" (with C. A. Hughes). *Journal of the American Concrete Institute*, Vol. 2, No. 4, pp. 317-37. 1930.

CHARLES L. BRAINARD, B.S., Instructor in Drawing and Descriptive Geometry

"Art and the engineer." *Kansas State Engineer Monthly*, 13:7. May 10, 1931.

ELECTRICAL ENGINEERING

JOHN M. BRYANT, E.E., Professor of Electrical Engineering and Head of the Department of Electrical Engineering

Editor, *An Analysis of Synchronous Machines*, Part I. New York: General Electric Company. 1930. 135 pages.

FRANKLIN W. SPRINGER, E.E., Professor of Electrical Engineering

"Training our graduates to meet the demands of future engineering problems." *The Journal of Engineering Education*, 8:556-58. 1930.

"Training for future problems." *Alumni Weekly*, Vol. 30, No. 27, pp. 443-44. May 2, 1931.

HENRY E. HARTIG, Ph.D., Associate Professor of Telephone and Telegraph Engineering

Review of F. Kiebitz, *Radiotechnick, Sammlung Gaschen in Physical Review*, Series 2, Vol. 36, p. 156. July 1, 1930.

MIL0 E. TODD, B.A., E.E., Assistant Professor of Electric Power Engineering

Sophomore Laboratory Manual (revised). University of Minnesota Mimeograph Department. 1931. 65 pages.

MATHEMATICS AND MECHANICS

WILLIAM E. BROOKE, B.C.E., M.A., Professor of Mathematics and Mechanics and Head of the Department of Mathematics and Mechanics

Fifty Lessons in Secondary Algebra (with H. B. Wilcox). Minneapolis: Engineers Bookstore. 1930. 138 pages.

GEORGE C. PRIESTER, Ph.D., Professor of Materials of Engineering

"Strain tests on steel plates carrying H-section columns" (with C. H. Sandberg). *Engineering News-Record*, Vol. 106, No. 12, p. 482. 1931.

LORENZ G. STRAUB, Ph.D., C.E., Associate Professor of Hydraulics

"Reminiscences of a visit to Holland." *The Transit of Chi Epsilon Fraternity*, 3:59-64. September, 1930.

"Training the Big Muddy" (Missouri River). *The Minnesota Techno-Log*, 11:40-41. November, 1930.

"Plastic flow in concrete arches." *Proceedings of the American Society of Civil Engineers*, 57:623-27. April, 1931.

HUGH B. WILCOX, M.S. (E.E.), Associate Professor of Mathematics and Mechanics

Fifty Lessons in Secondary Algebra (with W. E. Brooke). Minneapolis: Engineers Bookstore. 1930. 138 pages.

MECHANICAL ENGINEERING

JOHN R. DUPRIEST, M.E., M.M.E., Professor of Mechanical Engineering and Head of the Department of Mechanical Engineering

"Calibration of a large nozzle" (with J. H. Polhemus). Paper presented before the American Society of Mechanical Engineers Annual Meeting, Birmingham, Alabama, April 20-23, 1931.

FRANK B. ROWLEY, B.S.(M.E.), M.E., Professor of Mechanical Engineering and Director of Experimental Engineering Laboratories

"Surface conductances as affected by air velocity, temperature, and character of surface" (with A. B. Algren and J. L. Blackshaw). *American Society of Heating and Ventilating Engineers' Journal*, 2:501-8. June, 1930.

"Report of the Committee on Research for 1930" (A. S. H. and V. E. Research Laboratory). *Ibid.*, 3:249-51. March, 1931.

"Temperature distribution in field house at University of Minnesota." *Heating, Piping and Air Conditioning Magazine*, 2:732-37. September, 1930.

"Essential elements for determining heating plant requirements." *Ibid.*, 3:597. July, 1931.

JOHN V. MARTENIS, M.E., Associate Professor of Machine Design

"Timely re-statement of fundamental mechanical principles." *Machine Design*, Vol. 2, No. 7, pp. 34-36. 1930.

Editor, *The Condenser of Pi Tau Sigma*. (Annual periodical.) Vol. 5, No. 1. 1931. 16 pages.

BURTON J. ROBERTSON, B.S., E.E., Associate Professor of Internal Combustion Engines

"History of the Technical Alumni Association." *Minnesota Techno-Log*, 11:10-11. October, 1930.

"Aircraft Diesel engines." *Ibid.*, 11:202. May, 1931.

"Commercial products and the engineer." *The Interpreter*, 5:1-3. April, 1931.

JOHN FLODIN, M.E., M.A., M.S., Assistant Professor of Machine Design

"Draftsman or *ingénieur*?" *Machine Design*, 4:45. 1930.

"This machine age." *Ibid.*, 4:59, 90. 1930. (Pseudonym: R. E. Foster.)

"Is a bonus system possible?" *Ibid.*, 6:49-55. 1930.

"Calculating moment of inertia." *Ibid.*, 10:49. 1930.

"Modern function of the designer." *Ibid.*, 10:49. 1930.

"Machine design as a career." *Minnesota Techno-Log*, 12:74. 1930.

Contributing Editor, *The Bulletin of the Minnesota Federation of Architectural and Engineering Societies*.

WILLIAM H. RICHARDS, Assistant Professor of Woodworking

Principles of Pattern and Foundry Practice. New York: McGraw-Hill Book Company, Inc. 1930. 121 pages.

AXEL B. ALGREN, B.S.(M.E.), Instructor in Mechanical Engineering and Assistant Director of Experimental Engineering Laboratories

"Surface conductances as affected by air velocity, temperature, and character of surface" (with Frank B. Rowley and J. L. Blackshaw). *American Society of Heating and Ventilating Engineers' Journal*, 2:501-8. June, 1930.

THOMAS P. HUGHES, B.S., Instructor in Forging

Principles of Forging and Heat Treatment of Steel. Burgess-Roseberry Company
1931. 120 mimeographed pages.

"A project in metalwork for industrial arts courses." *Industrial Arts and Vocational Education*, 19:470-72. December, 1930.

JOHN H. MOFFETT, Met.E., Instructor in Foundry Practice

"Reminiscences of the Panama Canal." *The Minnesota Techno-Log*, 11:121-23. 1931.

SCHOOL OF ARCHITECTURE

ROBERT T. JONES, B.S., Professor of Architectural Construction

Editor

The Small Home. 1930-31.

"The home builders' clinic." 1930-31. (A weekly newspaper mat service released to a syndicate of newspapers.)

THE SCHOOL OF CHEMISTRY

ANALYTICAL CHEMISTRY

ISAAC M. KOLTHOFF, Ph.D., Professor of Analytical Chemistry and Chief
of the Division of Analytical Chemistry

"Indicator constants." *Journal of Physical Chemistry*, 34:1466-93. 1930.

"Properties of diphenylamine and diphenylbenzidine as oxidation-reduction indicators" (with L. A. Sarver). *Journal of the American Chemical Society*, 52:4179-91. 1930.

"The measurement of the hydrogen ion concentration in unbuffered solutions. II. Application of the hydrogen electrode" (with Tohru Kameda). *Ibid.*, 53:821-25. 1931.

"III. Application of the colorimetric method" (with Tohru Kameda). *Ibid.*, 53:825-32. 1931.

"The hydrolysis of zinc sulfate solutions, solubility product of hydrous zinc oxide and the composition of the latter precipitated from zinc sulfate solutions" (with Tohru Kameda). *Ibid.*, 53:832-43. 1931.

"The solubilities of lanthanum oxalate and of lanthanum hydroxide in water. The mobility of the lanthanum ion at 25°" (with Ruth Elmquist). *Ibid.*, 53:1217-25. 1931.

"The quantitative determination of lanthanum by precipitation as oxalate or as hydroxide and the higher oxide formation of lanthanum" (with Ruth Elmquist). *Ibid.*, 53:1225-32. 1931.

"Lanthanum alkali oxalates" (with Ruth Elmquist). *Ibid.*, 53:1232-36. 1931.

"The acid-base catalysis according to J. N. Brönsted." (In Dutch.) *Chem. Weekblad*, 28:110-21. 1931.

"The spot apparatus according to Dr. Tödt for the colorimetric determination of pH." (In Dutch.) *Ibid.*, 28:78-79. 1931.

"Direct and reverse titrations of sulfuric acid with barium hydroxide" (with E. B. Sandell). *Industrial Engineering Chemistry, Analytical Edition*, 3:115-17. 1931.

"Conductometric titration of sulfate and barium." *Ibid.*, 3:129-33. 1931.

Reviews of

G. Deniges, *L. Chelle et A. Labat Precis de chimie Analytique* in *Chem. Weekblad*, 27:633. 1930.

Fritz Feigl, *Qualitative Analyse mit Hilfe von Tüpfelreaktionen. Theoretische Grundlagen und praktische Ausführung* in *Journal of the American Chemical Society*, 53:1621-22. 1931.

LONDON A. SARVER, Ph.D., Assistant Professor of Analytical Chemistry
 "Properties of diphenylamine and diphenylbenzidine as oxidation-reduction indicators"
 (with I. M. Kolthoff). *Journal of the American Chemical Society*, 52:4179-91.
 1930.

ERNEST B. SANDELL, B.Ch.E., Assistant in Analytical Chemistry
 "Direct and reverse titrations of sulfuric acid with barium hydroxide" (with I. M.
 Kolthoff). *Industrial Engineering Chemistry, Analytical Edition*, 3:115-17. 1931.

CHEMICAL ENGINEERING

GEORGE H. MONTILLON, Ph.D., Associate Professor of Chemical Engineering
 "Heat transmission in an experimental inclined tube evaporator." *Journal of Industrial
 and Engineering Chemistry*, 22:708-13. 1930; *Transactions of the American
 Institute of Chemical Engineers*, 24:120-41. 1930.

RALPH E. MONTONNA, Ph.D., Associate Professor of Chemical Engineering
 "Cellulose furoate" (with Kenneth A. Kobe). *Journal of the American Chemical So-
 ciety*, 53:1889-91. 1931.

INORGANIC CHEMISTRY

M. CANNON SNEED, Ph.D., Professor of Inorganic Chemistry and Chief of
 the Division of Inorganic Chemistry
 "A systematic analysis of the anions" (with Alice Duschak). Part I. *Journal of
 Chemical Education*, 8:1177-86. June, 1931.

LOYD H. REYERSON, Ph.D., Professor of Inorganic Chemistry
 "The adsorption of complex ammonium ions by silica gel" (with G. Smith). *Journal
 of the American Chemical Society*, 52:2584. 1930.
 "Carbon suboxide" (with K. Kobe). *Chemical Reviews*, 7:479-92. 1930.
 "The chemistry of fire." *Proceedings of the Third Annual Northwest Fire School*,
 pp. 26-30. 1930.
 Review of *Sammlung Göschen, Nr. 698 and Nr. 804 in Physical Review*, 37:223. 1931.

GEORGE GLOCKLER, Ph.D., Associate Professor of Inorganic Chemistry
 "The Raman effect." *The Scientific Monthly*, 31:361-67. 1930.
 "V. The condensation of hydrocarbons by electrical discharge. Comparison with con-
 densation by alpha rays" (with S. C. Lind). *Journal of the American Chemical
 Society*, 52:4450-61. 1930.
 "VI. The action of electrical discharge on gaseous hydrocarbons. The effect of high
 speed cathode rays on paraffin hydrocarbons" (with S. C. Lind and B. Marks).
Transactions of the American Electro Chemical Society, Preprints 59, No. 5. 1931.
 Reviews of
 A. von Antropoff and M. von Stackelberg, *Atlas of Physical and Inorganic Chemistry in
 Physical Review*, 37:784. 1931.
 Albert Gosselin and Marcel Gosselin, *Constitution et Thermochimie des Molecules in
 ibid.*, 37:1375-76. 1931.

HENRY N. STEPHENS, Ph.D., Assistant Professor of Inorganic Chemistry
 "Autoxydation von Cyclohexen." *Berichte der Deutschen Chemischen Gesellschaft*,
 64:637-38. 1931.

HENRY MAUZEE DAVIS, M.S., Teaching Assistant in Inorganic Chemistry
 "The adsorption of water from ethyl alcohol-water mixtures by silica gel" (with Lloyd
 E. Swearingen). *Journal of Physical Chemistry*, 35:1308-13. 1931.

JOHN REHNER, JR., B.S. in Eng., M.A., Teaching Assistant in Inorganic Chemistry

"A study of dye adsorption. The reactions of dyes with proteins, carbohydrates, and mordants" (with Allen E. Stearn). *American Dyestuff Reporter*, 19:465-68. 1930.

ORGANIC CHEMISTRY

LEE I. SMITH, Ph.D., Associate Professor of Organic Chemistry

"Preparation of bromomesitylene." Pages 24-25 in *Organic Syntheses*, Vol. 11. New York: Wiley and Sons. 1931.

"Preparation of iso durene." Pages 66-69 in *Organic Syntheses*, Vol. 11. New York: Wiley and Sons. 1931.

"Studies on the polymethyl benzenes. IV. The preparation and physical properties of pure pseudocumene" (with Axel P. Lund). *Journal of the American Chemical Society*, 52:4144-50. 1930.

WALTER M. LAUER, Ph.D., Assistant Professor of Organic Chemistry

"Synthesis of Alpha-Beta unsaturated ethers" (with Marvin Spielman). *Journal of American Chemical Society*, 53:1533-36. 1931.

MARVIN A. SPIELMAN, B.S., Assistant in Organic Chemistry

"The synthesis of Alpha-Beta unsaturated ethers" (with W. M. Lauer). *Journal of the American Chemical Society*, 53:1533-36. 1931.

PHYSICAL CHEMISTRY

SAMUEL C. LIND, Ph.D., D.Sc., Professor of Photo- and Radio-Chemistry

"Radioactivity." Chapter 21 in *Treatise on Physical Chemistry*, Vol. 2 (second edition). New York: D. Van Nostrand Company. 1931.

"The progress of radioactivity." *The Hexagon of Alpha Chi Sigma*, Vol. 21, No. 2, pp. 55-69. 1930.

"Some chemical aspects of the origin of petroleum." *Science*, 73:19-22. 1931.

"VI. Action of electrical discharge on gaseous hydrocarbons. Effect of high speed cathode rays on paraffin hydrocarbons." *Transactions of the American Electrochemical Society*, 59:33-40. 1931.

ROBERT LIVINGSTON, Ph.D., Assistant Professor of Physical Chemistry

"An electromagnetic pump." *Science*, 72:223-24. 1930.

"The halogen-sensitized oxidation of carbon monoxide." *Journal of Physical Chemistry*, 34:2121-22. 1930.

"The photochemical polymerization of acetylene" (with S. C. Lind). *Journal of the American Chemical Society*, 52:4613-14. 1930.

"An introduction to chemical catalysis in homogeneous systems." *Journal of Chemical Education*, 7:2888-2903. 1930.

Review of Fajons and Wüst, *Textbook of Practical Physical Chemistry in Physical Review*, 37:451. 1930.

NELSON W. TAYLOR, Ph.D., Assistant Professor of Physical Chemistry

"Die kristallstrukturen der verbindungen Zn_2TiO_4 , Zn_2SnO_4 , Ni_2SiO_4 und $NiTiO_8$." *Zeitschrift für physikalische Chemie B*, 9:241-64. 1930.

EDWARD C. TRUESDALE, M.A., Assistant in Physical Chemistry

"Sensitivity of various tests for traces of hydrogen sulfide." *Journal of Industrial and Engineering Chemistry* (analytical edition), 2:299-302. 1930.

- "The formation of long-lived active molecules in hydrogen subjected to the action of Alpha particles from radon." *Journal of Physical Chemistry*, 34:2472-78. 1930.
- "A note on the preparation of iodine trichloride" (with F. C. Beyer). *Journal of the American Chemical Society*, 53:164. 1931.

TECHNOLOGICAL CHEMISTRY

RALPH E. BREWER, Ph.D., Instructor in Technological Chemistry

- "Chemistry curriculum changes." *Minnesota Techno-Log*, 11:219-28. May, 1931.
- News items and articles for Minnesota Section of the American Chemical Society, Minnesota Section of the Chemical Bulletin for 1930-31.

FREDERICK C. BEYER, B.Ch.E., Assistant in Technological Chemistry

- "Note on the preparation of iodine trichloride" (with E. C. Truesdale). *Journal of the American Chemical Society*, 53:164-65. 1931.

THE DEPARTMENT OF AGRICULTURE

ADMINISTRATION

WALTER C. COFFEY, M.S., LL.D., Dean and Director of the Department of Agriculture

- "The numerous demands for travel to conferences, meetings, etc., and how to deal with them." *Proceedings of the Forty-fourth Annual Convention of the Association of Land-Grant Colleges and Universities*, pp. 231-35. April, 1931.
- "Principal D. D. Mayne." *Agrarian*, p. 15. 1931.
- "Teaching people how to think." *Minnesota Horticulturist*, 59:57. March, 1931.
- "Home food growing." *Ibid.*, 59:84. April, 1931.
- "Brains versus brawn." *Visitor*, 18:1. November, 1930.
- "A personal message from Dean W. C. Coffey." *Ibid.*, 18:1. May, 1931.
- "Bedside teaching—for parents only." *Minnesota Parent-Teacher*, 7:4-13. April, 1931.
- "Greetings," pamphlet to the students of the School of Agriculture.
- "Contribution of the railroad towards the development of the educational program with rural people." *Saint Paul Daily News*, November 29, 1930.
- "What's the matter and what can we do about it?" *Wadena Pioneer Journal*, January 26, 1931.
- "The agricultural situation." *Saint Paul Pioneer-Press*, January 1, 1931.

ANDREW BOSS, D.Sc., Vice Director of the Minnesota Agricultural Experiment Station and Professor of Agriculture and Farm Management

- "Farmers study good farm practices." *The Farmer and Farm, Stock and Home*, Vol. 48, No. 31, pp. 3-15. 1930.
- "The northwest farm managers' tour." *Ibid.*, Vol. 48, No. 32, p. 5. 1930.
- "What about agriculture in 1931? The Minnesota viewpoint." *Ibid.*, Vol. 49, No. 2, pp. 3-12. 1931.
- "Farm cost accounting in the United States." *Proceedings of the International Conference of Agricultural Economics*, 2:932-42. 1930.
- "New frontiers in science." *Record of Proceedings of Annual Meeting, 1929, of the American Society of Animal Production*. Pages 198-202. 1930.
- "Through the years." *The Gopher Countryman*, Vol. 8, No. 2, p. 20; No. 3, p. 19; No. 4, p. 7, 1930; Vol. 8, No. 5, p. 7; No. 6, pp. 13, 18; No. 7, p. 11; No. 9, pp. 3, 15. 1931.
- "Planning the farm program for 1931." *Minnesota Farm Business Notes*, No. 98, pp. 1-6. 1931.
- Editor, The Farm Department, *The Farmer and Farm, Stock and Home*. 1930-31.
- News items relating to Minnesota Experiment Station research and personnel for the *Experiment Station Record*.
- Special articles on agriculture for the agricultural press.

AGRICULTURAL BIOCHEMISTRY

ROSS A. GORTNER, Ph.D., Professor of Agricultural Biochemistry and Chief of the Division of Agricultural Biochemistry

- "Studies on electrokinetic potentials. V. Interfacial energy and the molecular structure of organic compounds. I. Electrokinetic potentials at cellulose-organic liquid interfaces" (with W. McK. Martin). *Journal of Physical Chemistry*, 34:1509-39. 1930.
- "Studies on electrokinetic potentials. VI. Electrical phenomena at interfaces" (with H. B. Bull). *Ibid.*, 35:309-30. 1931.
- "Studies on electrokinetic potentials. VII. The temperature coefficient of the zetapotential" (with H. B. Bull). *Ibid.*, 35:456-66. 1931.
- "Studies on the electrokinetic potentials. VIII. Ion antagonism" (with H. B. Bull). *Ibid.*, 35:700-721. 1931.
- "Colloids in medicine." *Archives of Internal Medicine*, 4:14-20. 1930.
- "In memorium—J. Arthur Harris, 1880-1930." *The Gamma Alpha Record*, Vol. 20, No. 2, pp. 16-17. 1930.
- "The teaching of evolution" (Preface). *School and Society*, 31:754-58. June 7, 1930.
- "The cooking process. II. Cooking wood with sodium carbonate" (with S. I. Aronovsky). *Industrial and Engineering Chemistry*, 22:941-45. 1930.
- "The biometry of calcium and inorganic phosphorus in the blood plasma of dairy cattle" (with Rachel Rude and L. S. Palmer). *Journal of Dairy Science*, 13:360-67. 1930.
- "The state of water in colloidal and living systems." *Transactions of the Faraday Society*, 26:678-86. 1930.
- "The action of formaldehyde on amino acids with special reference to the formation of amines" (with Lawrence Zeleny). *Journal of Biological Chemistry*, 90:427-41. 1931.
- "The university and fundamental research." *Journal of Chemical Education*, 8:679-82. 1931.
- "Studies on electrokinetic potentials. IX. The electrical field of force at liquid-liquid interfaces" (with H. B. Bull). *The Proceedings of the National Academy of Science*, 17:288-94. May, 1931.
- Assistant Editor, *Chemical Abstracts*.
- Associate Editor, *Journal of the American Chemical Society*.

CLYDE H. BAILEY, Ph.D., Professor of Agricultural Biochemistry

- "Report of the associate referee on hydrogen-ion determinations." *Journal of the Association of Official Agricultural Chemists*, 13:444-45. 1930.
- "Report of the associate referee on foreign methods for testing flour." *Ibid.*, 13:449-55. 1930.
- "Method for measuring the relative plasticity of pastes and doughs." *Journal of Rheology*, 1:429-32. 1930.
- "A new type of fermentation cabinet." *Cereal Chemistry*, 7:346-48. 1930.
- "Report of the Committee on the Standard Baking Test." *Ibid.*, 7:348-50. 1930.
- "Proteolysis in bread doughs" (with W. E. Brownlee). *Ibid.*, 7:487-517. 1930.
- "Relation of overgrinding of flour to dough fermentation" (with L. P. Karacsonyi). *Ibid.*, 7:571-87. 1930.
- "The march of acidity in stored flour. II" (with M. E. Markley). *Ibid.*, 8:29-38. 1931.
- "Effect of overgrinding of flour upon the keeping quality of bread" (with L. P. Karacsonyi). *Ibid.*, 8:44-46. 1931.
- "A study of the proteolytic enzymes of malt preparations" (with Kathryn Tissue). *Ibid.*, 8:217-26. 1931.
- "All about ash." *Northwestern Müller and American Baker* (Bakers' edition), February 25, 1931, pp. 562-63.
- Review of M. P. Newmann, *Brot-Getreide und Brot* (with Barbara Bailey). *Cereal Chemistry*, 7:419-20. 1930.
- Editor. *Cereal Chemistry*, 1930-31.

LEROY S. PALMER, Ph.D., Professor of Agricultural Biochemistry

Bone-chewing or Depraved Appetite in Cattle (with C. H. Eckles and T. W. Gullickson). University of Minnesota Agricultural Extension Division Bulletin No. 132. 1930. 6 pages.

"Normal variations in the calcium content of the blood of dairy cattle" (with C. H. Eckles). *Journal of Dairy Science*, 13:351-59. 1930.

"The biometry of calcium and inorganic phosphorus in the blood plasma of dairy cattle" (with R. A. Gortner and Rachel Rude). *Ibid.*, 13:360-67. 1930.

"Saline drinking water and abnormal livestock" (with C. H. Eckles). *Science*, 72: 364-65. 1930.

"The fundamental food requirements for the growth of the rat. VI. The influence of the food consumption and the efficiency quotient of the animal" (with Cornelia Kennedy). *The Journal of Biological Chemistry*, 90:545-64. 1931.

"A method for the preparation and analysis of representative samples from the bovine skeletal structure" (with W. M. Neal). *Journal of Agricultural Research*, 42: 107-13. 1931.

"Effect of age and nutrition on the calcium phosphate-calcium carbonate ratio in the bones of cattle" (with W. M. Neal, C. H. Eckles and T. W. Gullickson). *Ibid.*, 42:115-21. 1931.

"Quantitative determination of calcium, magnesium, and phosphorus in feedstuffs and cattle excreta" (with H. P. Morris and J. W. Nelson). *Industrial and Engineering Chemistry, Analytical Edition*, 3:164-67. 1931.

Review of Barnard S. Bronson, *Nutrition and Food Chemistry* in *Journal of the American Chemical Society*, 53:1192. 1931.

JOHN J. WILLAMAN, Ph.D., Professor of Agricultural Biochemistry

"Carbon dioxide dissolved in plant sap and its effect on respiration measurements" (with W. R. Brown). *Plant Physiology*, 5:535-42. 1930.

"Respiration of apple twigs in relation to winter hardiness" (with W. A. DeLong and J. H. Beaumont). *Ibid.*, 5:509-34. 1930.

CORNELIA KENNEDY, Ph.D., Associate Professor of Agricultural Biochemistry

"The fundamental food requirements for the growth of the rat. VI. The influence of the food consumption and the efficiency quotient of the animal" (with L. S. Palmer). *The Journal of Biological Chemistry*, 90:545-64. 1931.

Mimeographed outline for laboratory tests in animal nutrition for class use.

WILLIAM MARTIN SANDSTROM, Ph.D., Assistant Professor of Agricultural Biochemistry

Assistant Editor, *The Chemical Bulletin*, Vol. 17, Nos. 9, 10 and Vol. 18, Nos. 1 to 6. 1930-31.

REGINALD C. SHERWOOD, Ph.D., Assistant Professor of Agricultural Biochemistry

"Some comparisons between commercially and experimentally milled flours" (with T. A. Pascoe and R. A. Gortner). *Cereal Chemistry*, 7:195-221. 1930.

"Report of Sub-committee on Dough Thermometers. Committee on Standard Baking Test, A. A. C. C." *Ibid.*, 7:362-63. 1930.

"Report of managing editor of *Cereal Chemistry*." *Ibid.*, 7:409-10. 1930.

"Testing new wheat varieties." *Ibid.*, 8:168-75. 1931.

"Selecting grain for the baker by scientific grading." *Food Industries*, 3:67-70. 1931.

HENRY B. BULL, Ph.D., Instructor in Agricultural Biochemistry

"Studies on electrokinetic potentials. VI. Electrical phenomena at interfaces" (with R. A. Gortner). *Journal of Physical Chemistry*, 35:309-30. 1931.

- "Studies on electrokinetic potentials. VII. The temperature coefficient of the zeta-potentials" (with R. A. Gortner). *Ibid.*, 35:456-66. 1931.
- "Studies on electrokinetic potentials. VIII. Ion antagonism" (with R. A. Gortner). *Ibid.*, 35:700-721. 1931.
- "Studies on electrokinetic potentials. IX. The electrical field of force at liquid-liquid interfaces" (with R. A. Gortner). *The Proceedings of the National Academy of Sciences*, 17:288-94. May, 1931.

IVAN D. JONES, Ph.D., Instructor in Agricultural Biochemistry

- "Notes on the tissue fluids of *Phoradendron juniperanum* parasitic on *Juniperus utahensis*" (with J. Arthur Harris and T. A. Pascoe). *Bulletin of the Torrey Botanical Club*, 57:113-16. 1930.

MAX C. MARKLEY, Ch.E., Instructor in Agricultural Biochemistry

- "The march of acidity in stored flour. II" (with C. H. Bailey). *Cereal Chemistry*, 8:29-38. 1931.

GEORGE S. TAYLOR, B.A., Instructor in Agricultural Biochemistry

Mimeographed chemistry syllabus for class use in the School of Agriculture.

J. WESLEY NELSON, B.S., Analytical Chemist

- "Quantitative determination of calcium, magnesium, and phosphorus in feed-stuffs and cattle excreta, improved technic" (with H. P. Morris and L. S. Palmer). *Industrial and Engineering Chemistry, Analytical Edition*, 3:164. April 15, 1931.

AGRICULTURAL ECONOMICS

OSCAR B. JESNESS, Ph.D., Professor of Agricultural Economics and Chief of the Division of Agricultural Economics

- "The economic farm unit." Pages 694-704 in *Real Estate Practice 1930*. National Association of Real Estate Boards, Chicago. 1930.
- "Research relating to co-operative marketing." *Journal of Farm Economics*, 12:233-45. 1930.
- "The economic farm unit." *National Real Estate Journal*, Vol. 31, No. 17, pp. 45-46. 1930.
- "New sources of taxation." *Minnesota Horticulturist*, 59:135. June, 1931.
- "Taxes and the farmer." Minnesota Farm Business Notes No. 101. April 20, 1931. Mimeographed pages.

WARREN C. WAITE, Ph.D., Professor of Agricultural Economics

- The Consumption of Dairy Products in Six New Jersey Townships* (with C. B. Howe). New Jersey Agricultural Experiment Station Bulletin 506. 1930. 47 pages.
- "On the term 'Change in Demand'." *Journal of Farm Economics*, 12:620. 1930.
- "Demand for butter in selected chain stores in New York City." Bureau of Agricultural Economics, Washington, D.C. 1931. Mimeographed pages.

LOUIS B. BASSETT, Associate Professor of Farm Management

- Cost of Combine Harvesting in Minnesota* (with George A. Pond). University of Minnesota Agricultural Experiment Station Bulletin No. 266. 1930. 31 pages.

EDWIN C. JOHNSON, Ph.D., Associate Professor of Farm Management

- Quality As a Factor in the Price of Kentucky Lambs* (with C. D. Phillips). Kentucky Agricultural Experiment Station Bulletin No. 302. 1930. 31 pages.
- The Agricultural Credit Situation in Kentucky* (with H. B. Price and C. J. Bradley). Kentucky Agricultural Experiment Station Bulletin No. 311. 1930. 53 pages.

Abstracts in *Social Science Abstracts*, Vol. 2, 1930. Nos. 10391, 16093. Vol. 3, 1931. Nos. 679, 941, 2536, 2548, 2556.

"Trucking livestock to the South St. Paul market" (with E. A. Johnson). *Minnesota Farm Business Notes* No. 95. October 20, 1930. 4 mimeographed pages.

GEORGE A. POND, Ph.D., Associate Professor of Agricultural Economics

Cost of Combine Harvesting in Minnesota (with L. B. Bassett). University of Minnesota Agricultural Experiment Station Bulletin No. 266. 1930. 31 pages.

Factors Affecting the Physical and Economic Cost of Butterfat Production in Pine County, Minnesota (with Mordecai Ezekiel). University of Minnesota Agricultural Experiment Station Bulletin No. 270. 1930. 14 pages.

Preliminary Report of Cost of Crop Production in Rock and Nobles Counties in 1930 (with G. A. Sallee and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 43. February, 1931. 17 mimeographed pages.

Third Annual Report of Better Farming Club of Rice County (with W. P. Ranney, R. C. Bevan, and Harry Hass). University of Minnesota Division of Agricultural Economics Report No. 44. March, 1931. 25 mimeographed pages.

Third Annual Report of Better Farming Club of Dodge and Goodhue Counties (with W. P. Ranney, R. C. Bevan, M. L. Armour, and M. A. Thorfinnson). University of Minnesota Division of Agricultural Economics Report No. 45. March, 1931. 25 mimeographed pages.

Third Annual Report of Better Farming Club of Freeborn County (with W. P. Ranney, R. C. Bevan, and W. M. Lawson). University of Minnesota Division of Agricultural Economics Report No. 46. March, 1931. 19 mimeographed pages.

Third Annual Report of Better Farming Club of Steele County (with W. P. Ranney, R. C. Bevan, and H. J. Van Metre). University of Minnesota Division of Agricultural Economics Report No. 47. April, 1931. 20 mimeographed pages.

Third Annual Report of Better Farming Club of Waseca County (with W. P. Ranney, R. C. Bevan, and M. C. Hansen). University of Minnesota Division of Agricultural Economics Report No. 48. April, 1931. 20 mimeographed pages.

Preliminary Report of Livestock Costs and Returns in Rock and Nobles Counties in 1930 (with G. A. Sallee and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 49. May, 1931. 8 mimeographed pages.

Preliminary Report of Farm Accounting Route in Rock and Nobles Counties in 1930 (with G. A. Sallee and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 50. May, 1931. 19 mimeographed pages.

"The place of farm accounting in research." *Journal of Farm Economics*, 13:49-56. January, 1931.

"Factors that affect profit on a beef producing farm." *American Hereford Journal*, 21:18-19. August 1, 1930.

"Elements of cost in dairy, swine, and poultry production." *Minnesota Farm Business Notes* No. 97. December, 1930. Mimeographed pages.

"The relationship of personal and family influences to farmers' earnings." *Minnesota Farm Business Notes* No. 99. February, 1931. Mimeographed pages.

REX W. COX, Ph.D., Assistant Professor of Agricultural Economics

"Roadside marketing." Sent to about 200 Minnesota weekly newspapers. September 5, 1930.

LEWIS F. GAREY, M.S., Assistant Professor of Agricultural Economics

Systems of Farming in Northwestern Minnesota (with F. F. Elliott). Minnesota Agricultural Experiment Station Bulletin No. 268. 1930. 20 pages.

Systems of Farming in Southern and Eastern Minnesota (with F. F. Elliott). Minnesota Agricultural Experiment Station Bulletin No. 276. 1931. 50 pages.

"Systems of farming in northwestern Minnesota." Sent to about 200 country newspapers. 1931.

Mimeographed manual for class use in farm organization. 39 pages.

Mimeographed syllabi for class use.

DOROTHEA D. KITTREDGE, M.A., Assistant Professor of Agricultural Economics

Minnesota Agricultural Indexes of Prices, Quantities and Cash Incomes 1910-1927 (with Albert G. Black). University of Minnesota Agricultural Experiment Station Technical Bulletin No. 72. 1930. 90 pages.

Review of Simon S. Kuznets, *Secular Movements in Production and Prices in Journal of Farm Economics*, 13:177. 1931.

Abstracts in *Social Science Abstracts*, Vol. 2. 1930. No. 9434.

"Farm income in Minnesota." *Minnesota Farm Business Notes* No. 94. September 20, 1930. 4 mimeographed pages.

Monthly items on Minnesota farm price index (with A. E. Erickson) in *Minnesota Farm Business Notes*. 1 page in each issue.

DON S. ANDERSON, B.S., Instructor in Agricultural Economics

"Some problems of co-operative creameries" (with L. L. Ulyot). *Minnesota Farm Business Notes* No. 96. November 20, 1930. 4 mimeographed pages.

WILLARD P. RANNEY, M.S., Instructor in Agricultural Economics

Third Annual Report of the Better Farming Club of Rice County (with G. A. Pond, R. C. Bevan, and H. A. Hass). University of Minnesota Division of Agricultural Economics Report No. 44. March, 1931. 25 mimeographed pages.

Third Annual Report of the Better Farming Club of Dodge and Goodhue Counties (with G. A. Pond, R. C. Bevan, M. L. Armour, and M. A. Thorfinnson). University of Minnesota Division of Agricultural Economics Report No. 45. March, 1931. 25 mimeographed pages.

Third Annual Report of the Better Farming Club of Freeborn County (with G. A. Pond, R. C. Bevan, and W. M. Lawson). University of Minnesota Division of Agricultural Economics Report No. 46. March, 1931. 19 mimeographed pages.

Third Annual Report of the Better Farming Club of Steele County (with G. A. Pond, R. C. Bevan, and H. J. Van Metre). University of Minnesota Division of Agricultural Economics Report No. 47. April, 1931. 20 mimeographed pages.

Third Annual Report of the Better Farming Club of Waseca County (with G. A. Pond, R. C. Bevan, and H. J. Van Metre). University of Minnesota Division of Agricultural Economics Report No. 48. April, 1931. 20 mimeographed pages.

"Finding the weak link in the chain." *Hoard's Dairyman*, 75:790-817. 1930.

"Climbing the ladder to success." *Ibid.*, 75:836-37. 1930.

"Dairy farmers' earnings in southeastern Minnesota, 1928-1931." *Minnesota Farm Business Notes* No. 102. May 20, 1931. 4 mimeographed pages.

GEORGE A. SALLEE, M.S., Instructor in Agricultural Economics

Preliminary Report of Cost of Crop Production in Rock and Nobles Counties in 1930 (with G. A. Pond and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 43. February, 1931. 17 mimeographed pages.

Preliminary Report of Livestock Costs and Returns in Rock and Nobles Counties in 1930 (with G. A. Pond and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 49. May, 1931. 12 mimeographed pages.

Preliminary Report of Farm Accounting Route in Rock and Nobles Counties in 1930 (with G. A. Pond and R. H. Loreaux). University of Minnesota Division of Agricultural Economics Report No. 50. May, 1931. 21 mimeographed pages.

"The earnings on beef cattle farms in southwestern Minnesota." *Minnesota Farm Business Notes* No. 92. July 20, 1930. 4 mimeographed pages.

LLOYD L. ULLYOT, B.S., Instructor in Agricultural Economics

"Audits beneficial to farm cooperatives." Appeared in 11 Minnesota newspapers. January 30, 1931.

- "Farmer elevators have made increased profit." Appeared in 12 Minnesota newspapers. July 17, 1930.
- Annual report of Minnesota farmer elevators. April 18, 1931. 13 mimeographed pages.
- "Some problems of cooperative creameries" (with Don S. Anderson). Minnesota Farm Business Notes No. 96. November 20, 1930. Mimeographed pages.
- "Costs and incomes of farmers' elevator companies in Minnesota for the crop year 1929-30." Minnesota Farm Business Notes No. 103. June 20, 1931. 4 mimeographed pages.

EDWIN A. JOHNSON, B.S., Research Assistant in Agricultural Economics

"Trucking livestock to the South St. Paul market" (with E. C. Johnson). Minnesota Farm Business Notes No. 95. October 20, 1930. 4 mimeographed pages.

AGRICULTURAL ENGINEERING

WILLIAM BOSS, Professor of Agricultural Engineering and Chief of the Division of Agricultural Engineering

- "The scope and purpose of the agricultural engineer's work." *Agricultural Engineering*, 2:378-80. November, 1930.
- "An engineer tries to run a church." *Presbyterian Advance*, 42:10-11. February 26, 1931.

HARRY B. ROE, B.S. in Eng., Professor of Agricultural Engineering

- "A Christmas message." *Gopher Countryman*, Vol. 6. December, 1930.
- "Mathematics in agriculture." *Sixth Yearbook of the National Council of Teachers of Mathematics*, pp. 86-101. February, 1931.
- "Temperatures on peat soil relative to summer frost control" (with J. H. Neal, B. R. Colby and B. C. Colby). *Agricultural Engineering*, 12:93-98 and 131-37. March and April, 1931.
- "Reclamation in the Mississippi watershed." *Ibid.*, 12:212-13. June, 1931.

ARTHUR J. SCHWANTES, M.S., Assistant Professor of Agricultural Engineering

- "Producing corn with motor power." *American Thresherman*, Vol. 33, No. 4, p. 20. 1930.
- "Making hay with mechanical power." *Ibid.*, Vol. 33, No. 5, p. 3. 1930.
- "The combine harvester in the northwest." *Ibid.*, Vol. 34, No. 1, p. 7. 1931.
- "Field trials of a new type of grain harvester." *Agricultural Engineering*, 12:59-61. 1931.

ARTHUR G. TYLER, B.S. in Eng., Assistant Professor of Agricultural Engineering

- "Drilling wells by modern methods." *American Thresherman*, Vol. 33, No. 5, p. 5. 1930.
- "Hydraulic rams pump water without cost." *Wadena Pioneer Journal*, July 1, 1930.
- "Hydraulic ram set up in 1885 is still going." *Cass Lake Times*, September 18, 1930.
- "Good water worth much—costs little." *Montevideo News*, December 12, 1931.
- "Ram brings farm water." *Minneapolis Journal*, February 22, 1931.

HALL B. WHITE, M.S., Assistant Professor of Agricultural Engineering

- Farm Building Plans* (with L. W. Neubauer). University of Minnesota Agricultural Extension Division Plans Nos. 308-15. 1930-31. 8 pages.
- "Building better farm buildings." *Mississippi Valley Lumberman*, 62:35-36. February 27, 1931.
- "The economics of farm buildings." *Agricultural Engineering*, 12:223-24. June, 1931.

- CHESTER L. BERGGREN, B.S., Instructor in Agricultural Engineering
 "A study in barn ventilation." *Northwest Farm Equipment Journal*, 45:30-31. March, 1931.
 "A study in barn ventilation." *Mississippi Valley Lumberman*, 62:34-35. March 6, 1931.
- J. GRANT DENT, Instructor in Agricultural Engineering
 "Strength tests of sewed and riveted leather splices." *Agricultural Engineering*, 11: 217-19. 1930.
 "Strength tests of leather splices." *Better Farm Equipment and Methods*, 3:5-6. 1931.
- PHILIP W. MANSON, B.S. in C.E., Instructor in Agricultural Engineering
Simple Test for the Impurities in Sand to Be Used for Concrete on the Farm (with Dalton G. Miller). University of Minnesota Agricultural Extension Division Circular 24. 1930. 4 pages.
 "The action of sulphate waters on concrete. Recent tests of specimens immersed in Medicine Lake, South Dakota" (with Dalton G. Miller). *Public Roads*, 12: 65-85. 1931.
- JESSE H. NEAL, M.S., Instructor in Agricultural Engineering
 "Temperatures of peat soil relative to summer frost control" (with H. B. Roe, B. R. Colby, and B. C. Colby). *Agricultural Engineering*, Vol. 12, No. 3, pp. 93-98; Vol. 12, No. 4, pp. 131-37. 1931.
- LOREN W. NEUBAUER, B.S. in C.E., Instructor in Agricultural Engineering
Farm Building Plans (with H. B. White). University of Minnesota Agricultural Extension Division Plans Nos. 308-15. 1930-31. 8 pages.

AGRICULTURAL SUBSTATIONS

- AUSTIN A. DOWELL, M.S., Superintendent of the Northwest School and Experiment Station and Professor of Agriculture
The School of Service. University of Minnesota, Northwest School and Experiment Station, Crookston Series, Vol. 24, No. 3. May, 1931. 28 pages.
 Editor, *The Northwest Monthly*, Vol. 14, No. 8 to Vol. 15, No. 7, inclusive.
 Weekly news articles from Northwest School and Station for northwestern Minnesota valley newspapers.
- ROBERT E. HODGSON, B.S., Superintendent of Southeast Experiment Station and Assistant Professor of Agriculture
Grow More Soybeans in Minnesota (with A. C. Army). University of Minnesota Agricultural Extension Division Special Bulletin No. 134. December, 1930. 12 pages.
Reed Canary Grass for Meadows and Pastures (with A. C. Army). University of Minnesota Agricultural Extension Division Special Bulletin No. 137, March, 1931. 8 pages.
 "Bang disease causes much loss to breeders." *Milking Shorthorn Journal*, 11:20-22. July, 1930.
 "Minnesota's fine farms have milking Shorthorns." *Ibid.*, 12:25-27, 31. January, 1931.
 News items for papers in various phases of livestock and agronomic experimental work.
- PAUL E. MILLER, M.Agr., Superintendent of the West Central School and Experiment Station and Professor of Agriculture
 "Message to graduates." *Moccasin*, 18:18. 1931.

MARK J. THOMPSON, M.S., Superintendent of the Northeast Experiment Station and Associate Professor of Farm Engineering

Editor, Agricultural editorials. *Stock and Dairy Farmer*, Vols. 17-18. 1930-31.
Associate Editor, Farm Management Department, *Stock and Dairy Farmer*, Vol. 17, Nos. 15-16; Vol. 18, Nos. 2-11. 1930-31.

JOHN A. ANDERSON, B.S., Assistant Professor of Horticulture, West Central School and Experiment Station

"New fruits for west central Minnesota." *Morris Tribune*, January 30, 1931.

ROY O. BRIDGFORD, M.S., Assistant Professor of Agronomy, West Central School and Experiment Station

Eradicating Perennial Weeds with Chlorates (with A. C. Arny and R. S. Dunham). University of Minnesota Agricultural Extension Division Circular No. 32. April 1930. 4 pages.

Barley in Minnesota (with F. J. Stevenson and R. F. Crim). University of Minnesota Agricultural Extension Division Special Bulletin No. 135. October, 1930. 12 pages.

"Correlation of factors affecting the yield in hard red spring wheat" (with H. K. Hayes). *Journal of American Society of Agronomy*, 23:106-17. 1931.

"The Rifle Club." *Moccasin*, 18:64. 1931.

"Grain Judging Team." *Ibid.*, 18:69. 1931.

"West Central Rifle Team." *Ibid.*, 18:72. 1931.

News items for country newspapers on various phases of agronomy.

RAYMOND S. DUNHAM, B.S.A., Assistant Professor of Agronomy and Agronomist, Northwest School and Experiment Station

Eradicating Perennial Weeds with Chlorates (with A. C. Arny and R. O. Bridgford). University of Minnesota Agricultural Extension Division Circular No. 32. April, 1930. 4 pages.

Spring Wheat in Minnesota (with H. K. Wilson). University of Minnesota Agricultural Extension Division Special Bulletin No. 133. December, 1930. 16 pages.

Mimeographed leaflet for class use on forage crops for northwestern Minnesota.

ALLEN W. EDSON, B.S., Assistant Professor of Farm Management, West Central School and Experiment Station

"Freshman football squad." *Moccasin*, 18:79. 1931.

News items relating to agriculture for country newspapers.

PHILIP S. JORDAN, B.S., Assistant Professor of Animal Husbandry, West Central School and Experiment Station

Fattening Lambs (with W. H. Peters). University of Minnesota Agricultural Experiment Station Bulletin No. 272. December, 1930. 26 pages.

Fattening Lambs for Market (with W. H. Peters). Preliminary Report S. 9, Morris. January 5, 1931. 7 pages.

Fattening Lambs (with W. H. Peters). Report of Experimental Trials S. 9 and S. 10. Morris. June 1, 1931.

News items for country newspapers on various phases of livestock production.

THOMAS M. MCCALL, M.S., Assistant Professor of Horticulture and Horticulturist, Northwest School and Experiment Station

"Observations and experiences with the newer fruits produced by the Minnesota Experiment Station." *Iowa State Horticultural Society Annual Report*, pp. 26-27. 1929.

"Treating potatoes five minutes without heat or thermometer." *Ibid.*, pp. 296-98. 1929.

CATHERINE GAINES, B.A., Instructor in English and Physical Training,
West Central School and Experiment Station

"Girls' Athletic Club." *Moccasin*, 18:52. 1931.

"The swimming pool." *Ibid.*, 18:97. 1931.

"Girl's A club." *Ibid.*, 18:98. 1931.

"Point makers." *Ibid.*, 18:99. 1931.

"Posture." *Ibid.*, 18:100. 1931.

"Field day." *Ibid.*, 18:104. 1931.

DIEDRICH T. GRUSSENDORF, B.A., Instructor in Farm Mechanics and Director of Home Projects, North Central School and Experiment Station

"Winter feeding for egg production." *North Central Quarterly*, 5:5. December, 1930.
A series of articles on chick suggestion for country newspapers.

ALBERT C. HEINE, Instructor in Physics and Farm Mechanics, West Central School and Experiment Station

"Football players individual write-ups." *Moccasin*, 18:76, 82-84. 1931.

"Football games." *Ibid.*, 18:85, 88. 1931.

"Basketball players individual write-ups." *Ibid.*, 18:89, 93. 1931.

"Check farm machinery now." *Better Farm Equipment and Methods*, Vol. 3, No. 7,
p. 25. 1931.

NANNA JELSTRUP, B.A., Instructor in English and Mathematics, West Central School and Experiment Station

Theme paragraphs. *Moccasin*, 18:14, 24, 48, 74, 106. 1931.

"The second generation." *Ibid.*, 18:49. 1931.

"Caleb Dorr scholarship students." *Ibid.*, 18:51. 1931.

"Future leaders in agriculture." *Ibid.*, 18:54. 1931.

"Girls' Glee Club." *Ibid.*, 18:56. 1931.

"Boys' Glee Club." *Ibid.*, 18:57. 1931.

"Barbarossa of Barbary." *Ibid.*, 18:58. 1931.

"First orchestra." *Ibid.*, 18:60. 1931.

"Beginners' orchestra." *Ibid.*, 18:61. 1931.

"The chorus." *Ibid.*, 18:62-63. 1931.

"A modern animal fable." *Ibid.*, 18:114. 1931.

"Speaking of night vigils." *Ibid.*, 18:116. 1931.

"When love and duty clash." *Ibid.*, 18:116. 1931.

"Homecoming." *Ibid.*, 18:129. 1931.

"History repeats itself." *Ibid.*, 18:131. 1931.

"Thanksgiving." *Ibid.*, 18:132. 1931.

"Christmas." *Ibid.*, 18:132. 1931.

"Women's Week plans completed." *Morris Sun*, April 30, 1931; *Morris Tribune*, May 1, 1931.

"West Central invites women." *Morris Tribune*, June, 1931; *Morris Sun*, June, 1931.

THEODORE S. LONG, B.A., Instructor in English and Public Speaking, West Central School and Experiment Station

"The school dance orchestra." *Moccasin*, 18:59. 1931.

"Declamation." *Ibid.*, 18:70. 1931.

"Debate." *Ibid.*, 18:71. 1931.

BESSIE L. SCHRAMEK, B.S., Instructor in Home Economics, West Central School and Experiment Station

"Young Women's Christian Association." *Moccasin*, 18:55. 1931.

OTTO W. SWENSON, Instructor in Agronomy, North Central School and Experiment Station

- "Minrus oats—Minnesota." *North Central Quarterly*, 5:2. March, 1931.
 "Winter protection for alfalfa." *Itasca County Independent*, November 29, 1930.
 "New grain varieties." *Ibid.*, January 9, 1931.

AGRONOMY AND PLANT GENETICS

HERBERT K. HAYES, D.Sc., Professor of Plant Genetics and Chief of the Division of Agronomy and Plant Genetics

- Double-Crosses of Corn for Distribution in Minnesota* (with I. J. Johnson and R. F. Crim). University of Minnesota Agricultural Experiment Station Bulletin No. 275. 1931. 14 pages.
 "Report of progress in corn improvement under the Purnell Act" (with I. J. Johnson, C. W. Doxtator, and H. L. Thomas). Pp. 36-41 in *United States Department of Agriculture Mimeographed Report*. 1930.
 "Shall I grow Trebi barley?" *Minnesota Seed Grower*, 3:1-2. 1930.
 "The corn improvement program for central Minnesota." *Ibid.*, 4:1. 1930.
 "The commercial use of double crossed corn in Minnesota." *Journal of the American Society of Agronomy*, 22:606-13. 1930.
 "Genetic factor relationships in the B-Lg group in maize" (with H. E. Brewbaker). *Ibid.*, 22:1035-40. 1930.
 "Barley varieties registered, III." *Ibid.*, 22:1040. 1930.
 "Correlation of factors affecting yield in hard red spring wheat" (with R. O. Bridgford). *Ibid.*, 23:106-17. 1931.

ALBERT C. ARNY, M.S., Associate Professor of Agronomy

- Grow More Soybeans in Minnesota* (with R. E. Hodgson). University of Minnesota Agricultural Extension Division Special Bulletin No. 134. 1930. 12 pages.
Reed Canary Grass for Meadows and Pastures (with R. E. Hodgson). University of Minnesota Agricultural Extension Division Special Bulletin No. 137. 1931. 8 pages.
Supplement to Flax Facts (with experiment station workers from the Montana State College, North Dakota Agricultural College, South Dakota State College, and United States Department of Agriculture). University of Minnesota Agricultural Extension Division Pamphlet No. 22. 1931. 4 pages.
Report of Flax Conference. University of Minnesota Mimeograph Department. 1931. 25 pages.
 "Weed eradication." *Minnesota Seed Grower*, 3:5-6. 1930.
 "Avoiding losses from weeds." *Ibid.*, 4:7-8. 1931.
 Multigraphed circular on eradicating perennial weeds.

HAROLD K. WILSON, Ph.D., Assistant Professor of Agronomy

- Small Grains in Minnesota* (with A. C. Arny). University of Minnesota Agricultural Experiment Station Bulletin No. 264. 1930. 83 pages.
Emergency Pasture and Hay Crop (with R. F. Crim). University of Minnesota Agricultural Extension Division Circular No. 33. 1930. 4 pages.
Spring Wheat in Minnesota (with R. S. Dunham). University of Minnesota Agricultural Extension Division Special Bulletin No. 133. 1930. 16 pages.
 "The Minnesota system of seed improvement." *First South Dakota Seed Growers' School*, p. 7. February 11, 1931.
 "Corn demonstrations." *Ibid.*, p. 16. February 11, 1931.
 "Some problems confronting the corn grower." *Minnesota Seed Grower*, 4:5-6. 1931.
 "Growing small grains in 1931." *Ibid.*, 4:7-8. 1931.

CHARLES W. DOXTATOR, M.S., Instructor in Agronomy and Plant Genetics

"Report of progress in corn improvement under the Purnell Act" (with H. K. Hayes, I. J. Johnson, and H. L. Thomas). Pages 36-41 in *United States Department of Agriculture Mimeographed Report*. 1930.

IVER J. JOHNSON, M.S., Instructor in Agronomy and Plant Genetics

Double-Crosses of Corn for Distribution in Minnesota (with H. K. Hayes and R. F. Crim). University of Minnesota Agricultural Experiment Station Bulletin No. 275. 1931. 14 pages.

"Report of progress in corn improvement under the Purnell Act" (with H. K. Hayes, C. W. Doxtator, and H. L. Thomas). Pages 36-41 in *United States Department of Agriculture Mimeographed Report*. 1930.

HORACE L. THOMAS, M.S., Instructor and Research Assistant in Agronomy and Plant Genetics

"Report of progress in corn improvement under the Purnell Act" (with H. K. Hayes, I. J. Johnson, and C. W. Doxtator). Pages 36-41 in *United States Department of Agriculture Mimeographed Report*. 1930.

ANIMAL HUSBANDRY

WALTER H. PETERS, M.Agr., Professor of Animal Husbandry and Chief of the Division of Animal Husbandry

Fattening Lambs (with P. J. Jordan). University of Minnesota Agricultural Experiment Station Bulletin No. 272. 1930. 26 pages.

Grinding Grain and Roughage, Feeding Molasses and Feeding Hay Grown on Peat Soil to Fattening Cattle. University of Minnesota Agricultural Experiment Station Bulletin No. 274. 1931. 28 pages.

Editor, Livestock Department, *The Farmer and Farm, Stock and Home*. 1930.

Mimeographed reports of livestock feeding experiments.

News items for papers on livestock subjects.

EVAN F. FERRIN, M.Agr., Professor of Animal Husbandry

Care and Feeding of Swine. University of Minnesota Agricultural Extension Division Special Bulletin No. 74. Revised, November, 1930. 16 pages.

Feeding Hulled Oats to Hogs. University of Minnesota Agricultural Extension Division Pamphlet No. 21. 1931. 5 pages.

"The effect of Smith-Hughes teaching and 4-H club work on animal husbandry curricula." Pages 245-49 in *Proceedings of the American Society of Animal Production*, 1931.

"Minnesota swine feeders' day." *Swine World*, Vol. 17, No. 14, p. 5. 1930.

"Selecting the most profitable brood sow type." *Ibid.*, Vol. 18, No. 4, p. 3. 1931.

"Feeding brood sows for a greater return." *Ibid.*, Vol. 18, No. 7, p. 5. 1931.

"Type in Duroc Jerseys." *National Duroc News*, Vol. 5, No. 5, p. 3. 1931.

"Present day type as measured by production tests." *Ibid.*, Vol. 5, No. 6, p. 3. 1931.

"Testing hogs." *Breeder's Gazette*, Vol. 96, No. 2, p. 10. 1931.

"Sow testing has come." *Successful Farming*, Vol. 28, No. 11, pp. 63-65. 1931.

Mimeograph reports of swine feeding investigations, H. 37-49.

LAWRENCE M. WINTERS, M.S., Associate Professor of Animal Husbandry

"Inbreeding work with beef cattle." *The American Society of Animal Production Record of Proceedings of the Twenty-third Annual Meeting*. 1930. Page 114.

"The need for good cattle on American farms." *The Shorthorn World*, 15:23. July 25, 1930.

"What is a pedigree?" *Ibid.*, 15:12. October 25, 1930.

- "The importance of proper feed and care for breeding animals." *Ibid.*, 15:3. November 25, 1930.
- "Livestock breeding as a career." *Ibid.*, 15:3. February 25, 1931.

PHILIP A. ANDERSON, B.S., Assistant Professor of Animal Husbandry

Docking and Castrating Lambs. University of Minnesota Agricultural Extension Division Pamphlet No. 14. 1930. 15 pages.

Articles sent Minnesota weeklies during 1930-31, as follows: "Docking pays dividends"; "Picking feeder lambs"; "Treat thin lambs for stomach worms"; "Failure to alter and dock cuts lamb price"; "Pasture for lambs"; "How to shear sheep, handle wool."

ALFRED L. HARVEY, M.S., Assistant Professor of Animal Husbandry

A Report of the Horse Breeding Industry in Minnesota. Stallion Registration Board Bulletin No. 17. 1930. 44 pages.

"The effect of the stallion law on the horse breeding industry in Minnesota." *Record of Proceedings of the Twenty-third Annual Meeting of the American Society of Animal Production*, pp. 177-80. 1930.

DAIRY HUSBANDRY

CHARLES H. ECKLES, D.Sc., Professor of Dairy Husbandry and Chief of the Division of Dairy Husbandry

Utilization of Sugar Beet Tops. University of Minnesota Agricultural Extension Division Special Bulletin No. 129. 1930. 8 pages.

Bone-chewing or Depraved Appetite in Cattle (with L. S. Palmer and T. W. Gullickson). University of Minnesota Agricultural Extension Division Special Bulletin No. 132. 1930. 8 pages.

"The feed requirements and the feed cost of dairy sires" (with O. G. Schaefer). *Journal of Dairy Science*, 12:165-73. 1930.

"Normal variations in the inorganic phosphorus of the blood of dairy cattle" (with L. S. Palmer and W. S. Cunningham). *Ibid.*, 13:174-95. 1930.

"*Thlaspi Arvense* (French weed) in relation to dairy products" (with W. B. Combs and Paul Derby). *Ibid.*, 13:308-18. 1930.

"Normal variations in the calcium content of the blood of dairy cattle" (with L. S. Palmer). *Ibid.*, 13:351-59. 1930.

"Effect of age and nutrition on the calcium phosphate-calcium carbonate ration in the bones of cattle" (with W. M. Neal, L. S. Palmer, and T. W. Gullickson). *Journal of Agricultural Research*, 42:115-21. 1931.

"Nutrients used for maintenance by growing dairy cattle" (with T. W. Gullickson). *Ibid.*, 42:593-602. May, 1931.

"Nutrient requirements for normal growth of dairy cattle" (with T. W. Gullickson). *Ibid.*, 42:603-16. May, 1931.

"Saline drinking water and abnormal livestock" (with L. S. Palmer). *Science*, 72:364-65. 1930.

Editor, Dairy Department, *The Farmer*, 1930-31.

WILLES B. COMBS, M.A., Professor of Dairy Husbandry

Fat Losses in Buttermilk (with S. T. Coulter). University of Minnesota Agricultural Experiment Station Bulletin No. 273. 1930. 30 pages.

"*Thlaspi Arvense* (French weed) in relation to dairy products" (with C. H. Eckles and Paul Derby). *Journal of Dairy Science*, 13:308-18. 1930.

"French weed and its relation to the quality of butter." *Dairy Record*, Vol. 31, No. 22, pp. 22-25. 1930.

"A comparison of the Minnesota, standard Babcock, and normal butyl alcohol tests for fat in buttermilk" (with S. T. Coulter). *Ibid.*, Vol. 31, No. 26, p. 23. 1930.

- "What are the fat losses in buttermilk?" (with S. T. Coulter). *Ibid.*, Vol. 31, No. 27, p. 18. 1930.
- "Can fat losses in buttermilk be controlled?" (with S. T. Coulter). *Ibid.*, Vol. 31, No. 29, pp. 16-18. 1930.
- "The overloaded churn versus fat losses in buttermilk" (with S. T. Coulter). *Ibid.*, Vol. 31, No. 31, p. 19. 1930.
- "Temperature of cream previous to holding and at churning in relation to fat losses in buttermilk" (with S. T. Coulter). *Ibid.*, Vol. 31, No. 38, p. 22. 1930.
- "Fat losses in buttermilk." *American Creamery and Poultry Produce Review*, Vol. 71, No. 2, pp. 72-75. 1930.
- "Determination of fat losses in buttermilk." *Creamery Journal*, Vol. 41, No. 22, pp. 5-20. 1930.

HAROLD MACY, Ph.D., Associate Professor of Dairy Bacteriology

- "Quantitative changes in the microflora of butter." *Journal of Dairy Science*, 13: 266-72. 1930.

THOR W. GULLICKSON, M.S., Assistant Professor of Dairy Husbandry

- Bone-chewing or Depraved Appetite in Cattle* (with C. H. Eckles and L. S. Palmer). University of Minnesota Agricultural Extension Division Special Bulletin No. 132. 1930. 8 pages.
- "Effect of age and nutrition on the calcium phosphate, calcium carbonate ratio in the bones of cattle" (with W. M. Neal, L. S. Palmer, and C. H. Eckles). *Journal of Agricultural Research*, 42:115-21. 1931.
- "Nutrients used for maintenance by growing dairy cattle" (with C. H. Eckles). *Ibid.*, 42:593-602. 1931.
- "Nutrient requirements for normal growth of dairy cattle" (with C. H. Eckles). *Ibid.*, 42:603-16. 1931.

SAMUEL T. COULTER, M.S., Instructor in Dairy Husbandry

- Fat Losses in Buttermilk* (with W. B. Combs). University of Minnesota Agricultural Experiment Station Bulletin No. 273. 1930. 30 pages.
- "A comparison of the Minnesota, standard Babcock, and normal butyl alcohol tests for fat in buttermilk" (with W. B. Combs). *Dairy Record*, Vol. 31, No. 26, p. 23. 1930.
- "What are the fat losses in buttermilk?" (with W. B. Combs). *Ibid.*, Vol. 31, No. 27, p. 18. 1930.
- "Can fat losses in buttermilk be controlled?" (with W. B. Combs). *Ibid.*, Vol. 31, No. 29, pp. 16-18. 1930.
- "The overloaded churn versus fat losses in buttermilk" (with W. B. Combs). *Ibid.*, Vol. 31, No. 31, p. 19. 1930.
- "Temperature of cream previous to holding and at churning in relation to fat losses in buttermilk" (with W. B. Combs). *Ibid.*, Vol. 31, No. 38, p. 22. 1930.

ENTOMOLOGY AND ECONOMIC ZOOLOGY

WILLIAM A. RILEY, Ph.D., Professor of Entomology and Chief of the Division of Entomology and Economic Zoology

- How to Detect the Parasites of Fur-bearing Animals* (with Reed O. Christenson). University of Minnesota Agricultural Extension Pamphlet No. 18, 1931. 22 pages. (Reprinted in *American Fur Breeder*, Vol. 3, June, 1931.)
- "Malaria and Anopheles mosquitoes in Minnesota." *Minnesota Medicine*, 13:410-11. 1930.
- "Sarcocystis, a parasite that dines on duck flesh." *Fins, Feathers and Fur*, 22:22. March, 1931.
- "Collyricium faba as a parasite of poultry." *Poultry Science*, 10:204-7. 1931.
- "Some present-day problems of zoology teaching." *Science*, 73:169-73. 1931.
- "Erasmus Darwin and the biologic control of insects." *Ibid.*, 73:475-76. 1931.

ROYAL N. CHAPMAN, Ph.D., Professor of Entomology and Economic Zoology

"A comparison of temperature in widely different environments of the same climatic area" (with R. E. Wall, C. T. Schmidt, and Leslie Garlough). *Ecology*, 12:305-22. April, 1931.

ARTHUR GORDON RUGGLES, M.A., Professor of Entomology

"Preliminary notes on the biology and control of the pine leaf scale *Chionopsis pinifoliae*, Fitch." *Journal of Economic Entomology*, 24:115-19. 1931.

"White grubs." *Minnesota Horticulturist*, 59:72. 1931.

"Onion maggots." *Ibid.*, 59:72. 1931.

"Time of spraying the apple orchard." *Ibid.*, 59:100. 1931.

MAURICE C. TANQUARY, Ph.D., Professor of Apiculture

Monthly articles in *Minnesota Horticulturist* and *Gleanings in Bee Culture* (Medina, Ohio).

ALEXANDER A. GRANOVSKY, Ph.D., Associate Professor of Entomology

"Insects in relation to fruit injuries." *Minnesota Horticulturist*, 59:60-61. 1931.

CLARENCE E. MICKEL, Ph.D., Assistant Professor of Entomology

"Descriptions plus types vs. descriptions alone." *Psyche*, 37:118-31. 1930.

"Contributions to taxonomy of insects." *Annals of the Entomological Society of America*, 23:507-12. 1930.

JAMES D. WINTER, M.S., Assistant Professor of Entomology and Economic Zoology

"The apple maggot." *Minnesota Horticulturist*, 59:44. 1931.

"What every fruit grower should know about raspberry mosaic." *Ibid.*, 59:156. 1931. Mimeographed circulars of general interest to nurserymen.

RALPH T. KING, M.A., Instructor in Entomology and Economic Zoology

"Will you help save the partridge?" *Fins, Feathers and Fur*, 96:7-8. 1931.

HERBERT L. PARTEN, B.S., Instructor in Entomology and Economic Zoology

Mimeographed leaflets for general extension service use.

FRANCIS M. WADLEY, Ph.D., Instructor in Entomology and Economic Zoology

"*Toxoptera graminum*, especially as to factors affecting importance in the northern United States." *Annals of the Entomological Society of America*, 24:325. June, 1931.

ERWIN C. ALFONSUS, Assistant in Entomology and Economic Zoology

"A one-eyed bee (*Apis mellifica*)." *Annals of the Entomological Society of America*, 24:405-7. 1931.

GEORGE ALLEN MAIL, M.S., Assistant in Entomology and Economic Zoology

"Winter soil temperatures and their relation to subterranean insect survival." *Journal of Agricultural Research*, 41:571-92. October, 1930.

CARL T. SCHMIDT, Assistant in Entomology

"A comparison of temperature in widely different environments of the same climatic area" (with R. N. Chapman, R. E. Wall, and Leslie Garlough). *Ecology*, 12:305-22. April, 1931.

JOHN STANLEY, M.S., Assistant in Entomology and Economic Zoology

"Studies on the musculatory system and mouth parts of *Laelaps Echidninus* Berl." *Annals of the Entomological Society of America*. 24:1-17. March, 1931.

FORESTRY

HENRY SCHMITZ, Ph.D., Professor of Forestry and Chief of the Division of Forestry

Aspen: Availability, Properties and Utilization (with R. P. A. Johnson and Joseph Kittredge, Jr.) University of Minnesota Agricultural Experiment Station Technical Bulletin No. 70. August, 1930. 72 pages.

"What about toxicity tests." *Wood Preserving News*, 8:67-72. 1930.

"A suggested toximetric method for wood preservatives" (et al.). *Industrial and Engineering Chemistry, Analytical Edition*, 2:361-62. 1930.

Editorial staff, *Journal of Forestry*. In charge of section of forest education and reviews. 1930-31.

Reviews of

Wiedemann, *Hallimasch und Wurzelschwamm, zwei gefahrliche Waldfeinde* in *Journal of Forestry*, 28:998. 1930.

K. D. Bagchee, *Investigations on the Infestations of Peridermium complanatum, Barclay, on the Needles and of Peridermium himalayense n. sp. on the Stem of Pinus longifolia, Roxb.* in *ibid.*, 29:118. 1931.

JOHN H. ALLISON, Ph.B., M.F., Professor of Forestry

"The growth of jack, Norway and Scotch pine plantations on Hinckley loamy fine soil." *Journal of Forestry*, 29:381-83. 1931.

Review of F. G. Wilson, *Reforestation by Private Enterprise* in *Journal of Forestry*, 29:405-7. 1931.

EDWARD G. CHEYNEY, B.A., Professor of Forestry

Reviews of

J. A. Putnam, *Louisiana's Hardwood Industries and Their Possibilities* in *Journal of Forestry*, 28:221. 1930.

Harvey Stallard, *Secondary Succession in the Climax Forest Formations of Northern Minnesota* in *ibid.*, 28:476. 1930.

Ian J. Craib, *Some Aspects of Soil Moisture in the Forest* in *ibid.*, 28:1163. 1930.

John T. Auten, *A Soil Study of the Mont Alto State Forest* in *ibid.*, 29:592. 1931.

W. Th. Ovsiannikoff, *Observations on the Winter Snow Cover in the Vicinity of Talitski* in *ibid.*, 29:599. 1931.

RAPHAEL ZON, M.S., F.E., Professor of Forestry

The Upper Peninsula Forest Experiment Station—What It Is, What It Does. Marquette, Michigan: Upper Peninsula Development Bureau. 1930. 16 pages.

Second Growth White Pine in Wisconsin (with S. R. Gevorkiantz). University of Wisconsin Research Bulletin No. 98. 1930. 40 pages.

Logging Slash and Forest Protection (with Russell N. Cunningham). University of Wisconsin Research Bulletin No. 109. 1931. 30 pages.

"The search for forest facts." *American Forests and Forest Life*, 36:421-23. 1930.

"Quantity and nutrient contents of pine leaf litter." (Reprint.) *Journal of Forestry*, 28:715-27. May, 1930.

"Forestry and the economic crisis." *American Forests*, 37:91-92. 1931.

"The new public domain." *Ibid.*, 37:261-64, 280. 1931.

"The society comes of age." *Journal of Forestry*, 29:308-15. 1931.

"Resource development seen as depression cure." *St. Paul Pioneer Press*, January 4, 1931.

RANDOLPH M. BROWN, M.F., Assistant Professor of Forestry

Reviews of

S. R. Gevorkiantz, *Second Growth White Pine in Wisconsin: Its Growth, Yield and Commercial Possibilities* in *Journal of Forestry*, 29:112. January, 1931.

M. Ezekiel, *Methods of Correlation Analysis* in *ibid.*, 29:123. January, 1931.

Mimeographed text material for class use.

LOUIS W. REES, Ph.D., Assistant Professor of Forestry

Lumber Production and Wood Utilization in Southeastern Minnesota: With Special Reference to the Farm Woodlot. University of Minnesota Agricultural Experiment Station Bulletin No. 271. 1930. 28 pages.

Review of L. Chalk, *The Formation of Spring and Summerwood in Ash and Douglas Fir* in *Journal of Forestry*, 29:122. January, 1931.

THORVALD SCHANTZ-HANSEN, B.S., M.F., Assistant Professor of Forestry
in charge of Forest Experiment Station

"A new transplant board." *Journal of Forestry*, 28:1153-56. 1930.

"Current growth in Norway pine." *Ibid.*, 29:48-53. 1931.

"Some results of thinning 27-year-old jack pine." *Ibid.*, 29:544-50. 1931.

"Development of northern Minnesota wood industry." *Duluth Free Press*, June 26, 1930.

Special bulletin of Minnesota Arrowhead Association.

Special bulletin of northern Minnesota Engineers Society.

Mimeograph paper on raising conifers from seed.

HOME ECONOMICS

ALICE M. CHILD, M.A., Associate Professor of Home Economics

Recipes for the Use of Canned Foods in Cafeterias and Restaurants (with Grace Erskine). Washington, D. C.: National Cannery Association Bulletin 108-A. 1930. 22 pages.

Food Preparation Manual (with Kathryn Niles and Agnes Kolshorn). (Revised and enlarged). Minneapolis: Burgess-Roseberry Company. 1931. 95 pages.

Food Preparation Recipes (with Kathryn Niles). (Revised and enlarged.) Minneapolis: Burgess-Roseberry Company. 1931. 265 cards.

"The rôle of molasses in cooking making" (with Eva Stephens). *Food Industries*, 2:203-6. 1930.

"Salad dressings for garden salads." *Minnesota Horticulturist*, 58:178-79. 1930.

ETHEL L. PHELPS, M.S., Assistant Professor of Textiles and Clothing

"The microscopic identification of fur hairs." *American Fur Breeder*, 3:20. 1930.

KATHRYN B. NILES, M.S., Instructor in Home Economics

Food Preparation Manual (with Alice M. Child and Agnes Kolshorn). (Revised and enlarged). Minneapolis: Burgess-Roseberry Company. 1931. 95 pages.

Food Preparation Recipes (with Alice M. Child). (Revised and enlarged). Minneapolis: Burgess-Roseberry Company. 1931. 265 cards.

HORTICULTURE

WILLIAM H. ALDERMAN, B.S.A., Professor of Horticulture and Chief of
the Division of Horticulture

"Fruit growing problems of the immediate future." *Transactions of the Indiana Horticultural Society*, 69:155-62. 1929.

"Breeding new fruits." *Proceedings of the American Plant Propagators' Association*, 1930. Pages 3-7. July 15, 1930.

"Grasshopper control." *Country Gentleman*, 95:75. August, 1930.

"The Chief raspberry." *Ibid.*, 101:85. May, 1931.

"Good garden is good business." *The Farmer*, 49:6. April, 1931.

"Methods and uses of grafting." *Minnesota Horticulturist*, 59:23-25. 1931.

Editor, Column on Fruit Growers' Problems, *Minnesota Horticulturist*. 1931.

WILFRID GORDON BRIERLEY, Ph.D., Associate Professor of Horticulture
A Study of Senescence in the Red Raspberry Canes. University of Minnesota Agricultural Experiment Station Technical Bulletin No. 69. 1930. 36 pages.
 "Transpiration rates in old and new canes of the Latham raspberry as measured by non-toxic dyes." *American Society for Horticultural Science*, 27:152-57. 1930.
 "Pruning the red raspberry." *Minnesota Horticulturist*, 58:169-70. 1930.
 "New ideas in raspberry growing." *Ibid.*, 59:81-82. 1931.

TROY M. CURRENCE, Ph.D., Assistant Professor of Horticulture
Inheritance Studies in Phaseolus vulgaris. University of Minnesota Agricultural Experiment Station Technical Bulletin No. 68. 1930. 28 pages.
 "The effect of drainage depth on yield and quality of onions when grown on peat land." *Minnesota Horticulturist*, 59:114-15. 1931.
 "New pod color for snap beans." *Journal of Heredity*, 22:21-23. January, 1931.

FRED A. KRANTZ, Ph.D., Assistant Professor of Horticulture
 "Recent contributions to potato breeding and related subjects" (with R. M. Bailey). *Proceedings of the Seventeenth Annual Meeting of the Potato Association of America*, pp. 124-28. 1931.
 "A numbering and recording system for potato breeding" (with R. M. Bailey). *Ibid.*, pp. 128-31. 1931.
 "Market grower's page." *Minnesota Horticulturist*, 58:312. 1930; 59:69, 97. 1931.

LEWIS E. LONGLEY, M.S., Assistant Professor of Horticulture
Making the Home Lawn. University of Minnesota Agricultural Extension Division Special Bulletin No. 130. 1930. 11 pages.
Apple Breeding in Idaho (with C. C. Vincent). University of Idaho Agricultural Experiment Station Research Bulletin No. 8. 1930. 58 pages.
 "Influence of various propagating media on the rooting of cuttings and layers." *Proceedings American Plant Propagator's Association*. Pages 37-43. 1930.
 "Peat and acid sands for rooting greenhouse cuttings." *Florists' Exchange*, 75:15. 1930.
 Mimeographed list of books and bulletins on ornamental horticulture and floriculture. 4 pages.
 Mimeographed list of rock garden plants hardy in Minnesota. 3 pages.

ARTHUR N. WILCOX, Ph.D., Assistant Professor of Horticulture
 "A view of horticulture in Manitoba." *Minnesota Horticulturist*, 58:321-25 + pl. 1930.
 "Report on the research work of the fruit breeding farm." *Ibid.*, 59:31-32. 1931.
 "The new 'Chief' raspberry"; "The Minnesota No. 194 plum." Various Minnesota newspapers.
 News items for papers on various phases of fruit breeding and fruit growing.

ARTHUR E. HUTCHINS, B.S., Instructor in Horticulture
 "The present status of mulch paper in vegetable production." *Minnesota Horticulturist*, 59:15. 1931.
 "The home garden." *Ibid.*, 59:51-54. 1931.

PLANT PATHOLOGY AND BOTANY

EDWARD M. FREEMAN, Ph.D., Professor of Plant Pathology and Botany,
 Chief of Division of Plant Pathology and Botany, and Dean of the
 College of Agriculture, Forestry, and Home Economics
 "Educational preparedness versus compulsory military drill." *School and Society*, Vol. 32, No. 815, pp. 177-88. 1930.
 "The retiring day." *Ibid.*, Vol. 32, No. 835, pp. 851-57. 1930.

- "Necessary somewhere in the army." *Journal of Higher Education*, Vol. 1, No. 8, pp. 441-47. 1930.
- "R.O.T.C.—A waster of youth." *The Christian Century*, Vol. 48, No. 8, pp. 266-68. 1931.
- "Working your own way." *Minnesota Alumni Weekly*, Vol. 30, No. 2, pp. 427-28. 1931.
- "A dean's page." *Gopher Countryman*. 1930-31 issues.

ELVIN C. STAKMAN, Ph.D., Professor of Plant Pathology

- "Origin of physiologic forms of *Puccinia graminis* through hybridization and mutation" (with M. N. Levine and R. U. Cotter). *Scientific Agriculture*, 10:707-20. 1930.
- "Racial specialization of parasitic fungi." *Transactions Kentucky Academy of Science*, 3:93-96. 1930.

RODNEY B. HARVEY, Ph.D., Associate Professor of Plant Physiology and Botany.

- A Textbook of Plant Physiology* (with A. E. Murneek). New York: McGraw-Hill Book Company. 1930. 381 pages.
- International Address List of Plant Physiologists*. American Society of Plant Physiologists Bulletin No. 6. 1930. 36 pages.
- "Time and temperature factors in hardening plants." Page 2 in *Proceedings of the American Society of Plant Physiologists*, Des Moines meeting. 1929.
- "Measurement and control of temperature." Pt. 1, pages 1-6 in *Report of the Committee on Physical Methods of the American Society of Plant Physiologists*. 1930.
- "Tracing the transpiration stream with dyes." *American Journal of Botany*, 17:657-61. 1930.
- "The physiological laboratory of the Botanical Institute in the University of Zagreb." *Plant Physiology*, 5:183. 1930.
- "The relative transpiration rate at infection spots on leaves." *Phytopathology*, 20:359-62. 1930.
- "Use of oxides of unsaturated hydrocarbons for the eradication of barberries and other pests." *Ibid.*, 21:126. 1931.
- "Sprays for the protection of trees against sunscald and rodent injury." *Proceedings of the American Society for Horticultural Science*, 27:548-49. 1930.
- "Action of toxic agents used in the eradication of noxious plants." Page 4 in *Abstracts of Papers Presented Before the American Society of Plant Physiologists*, Cleveland. 1930.
- Review of Buchanan and Fulmer, *Physiology and Biochemistry of Bacteria*, Vols. 2 and 3, in *Plant Physiology*, 5:625. 1931.
- Editor, Department of Gardening and Flowers, *Home and Community Builder*. 1930-31.
- Mimeographed outlines for classes in Applied Plant Physiology.

JULIAN G. LEACH, Ph.D., Associate Professor of Plant Pathology

- The Acid-Mercury Dip, a Simplified Treatment for Seed Potatoes* (with R. C. Rose). University of Minnesota Agricultural Extension Circular No. 35. 1930. 4 pages.
- "The identity of the potato blackleg pathogene." *Phytopathology*, 20:743-51. 1930.
- "Further studies on the seed-corn maggot and bacteria with special reference to potato blackleg." *Ibid.*, 21:387-406. 1931.
- "Prepare for war on garden pests." *Minnesota Horticulturist*, 1:110-11. 1931.

ALVIN H. LARSON, B.S., Assistant Professor of Agricultural Botany

- "Wilhelm Hofmeister." *Plant Physiology*, 5:613-17. 1930.

HERMAN A. RODENHISER, Ph.D., Assistant Professor of Plant Pathology

- "Physiologic specialization and mutation in *Phlyctaena linicola* Speg." *Phytopathology*, 20:931-42. 1930.

LOUISE DOSDALL, Ph.D., Instructor in Plant Pathology

Review of Gaumann and Dodge, *Comparative Morphology of Fungi in Phytopathology*, 20:197-98. 1930.

"Mushrooms." *St. Paul Dispatch*, October 27, 1930.

HELEN HART, Ph.D., Instructor in Plant Pathology

"Stem rust losses reduced by using proper fertilizers on land." Pages 489-90 in *United States Department of Agriculture Yearbook*. 1931.

"Nicolas Theodore de Saussure." *Plant Physiology*, 3:425-29. 1930.

CHARLES S. HOLTON, M.S., Instructor in Plant Pathology

"The relation of physiologic specialization in *Tilletia* to recent epiphytotics of bunt in durum and Marquis wheats." *Phytopathology*, 21:687-94. 1931.

DELIA E. JOHNSON, Ph.D., Instructor in Plant Pathology

"The relation of the cabbage maggot and other insects to the spread and development of soft rot of *Cruciferae*." *Phytopathology*, 20:857-72. 1930.

POULTRY HUSBANDRY

ARTHUR CARLTON SMITH, B.S., Professor of Poultry Husbandry

The Care and Feeding of Chicks (revised). University of Minnesota Agricultural Extension Special Bulletin No. 83. 1930. 12 pages.

Feeding Poultry for Profit (revised). University of Minnesota Agricultural Extension Circular No. 20. 1930. 4 pages.

"Wheat as an excellent feed for chickens." *University Farm News Letter*, September 5, 1930.

"A poor hen house ventilator." *Minnesota Lake Tribune*, November 20, 1930; also appeared in 16 other papers.

"Guineas for game." About 100 Minnesota weeklies. April 24, 1930.

Editor

The American Standard of Perfection (revision of second edition). Fort Wayne, Indiana: American Poultry Association. 1930. 487 pages.

Service Department, *Wyandotte Herald*. 1930.

Service Department, *Leghorn World*. 1930.

Service Department, *Plymouth Rock Monthly*. 1930.

Poultry Department, "What every farmer wants to know." *The Farmer*. 1930.

FREDERICK BRUCE HUTT, Ph.D., Associate Professor of Poultry Husbandry

"Bovine quadruplets including twins apparently monozygotic." *Journal of Heredity*, 21:339-48. 1930.

"The work of the Department of Animal Genetics of the University of Edinburgh." *Proceedings of the American Society of Animal Production*, pp. 102-5. 1930.

"On the origin, common types and economic significance of teratological monsters in embryos of the domestic fowl." *Proceedings of the Fourth World's Poultry Congress*, London, 1930. Sec. A, pp. 195-202. 1931.

Review of M. A. Jull, *Poultry Husbandry* in *Journal of Heredity*, 22:23-24. 1931.

Abstracts in *Biological Abstracts*, Vol. 4, 1930. Nos. 25431, 27005, 28229. Vol. 5, 1931. Nos. 913, 1906, 2847, 2848.

"Ultra violet realities." *Minneapolis Journal*, December 5, 1930.

Items for newspapers on various phases of poultry husbandry.

RURAL SOCIOLOGY

CHARLES E. LIVELY, M.A., Associate Professor of Rural Sociology

Family Living Expenditures on Ohio Farms. Ohio Agricultural Experiment Station Bulletin No. 468. 1930. 36 pages.

Movement of Open Country Population in Ohio: The Family Aspect (with P. G. Beck). Ohio Agricultural Experiment Station Bulletin No. 467. 1930. 48 pages.

Some Relationships of the Variable, Cash Expenditure for Farm Family Living. Ohio Agricultural Experiment Station Mimeographed Bulletin No. 36. 1931. 22 pages.

"Expenditure for family living by farm families in the United States." Paper read before the American Country Life Association, Madison, Wisconsin, 1930. 7 mimeographed pages.

SOILS

FREDERICK J. ALWAY, Ph.D., D.Sc., Professor of Soil Chemistry and Chief of the Division of Soils

"Quantity and nutrient content of pine leaf litter" (with Raphael Zon). *Journal of Forestry*, 28:715-27. May, 1930.

"Early trials and use of reed canary grass as a forage plant. *Journal of the American Society of Agronomy*, 23:64-66. 1931.

CLAYTON O. ROST, Ph.D., Associate Professor of Soils

"Effects of superphosphate on the germination of corn." *Journal of the American Society of Agronomy*, 22:498-508. 1930.

"Consumption of commercial fertilizers in Minnesota in 1929." *Fertilizer Green Book*, 12:19-21. 1931.

PAUL R. McMILLER, M.S., Assistant Professor of Soils

Soil Survey of Wadena County, Minnesota (with others). United States Department of Agriculture, Bureau of Chemistry and Soils, Series 1926, No. 25. 53 pages and map.

CONSTANTIN C. NIKIFOROFF, Ph.D., Assistant Professor of Soils

"Solonetz and solonchak soils of the Red River Valley." *Proceedings of the American Soil Survey Association*. Bulletin 11, pp. 141-50. 1930.

"History of A, B, and C soil horizons." *Proceedings of the American Soil Survey Association*. Bulletin 12, pp. 67-70. 1931.

VETERINARY MEDICINE

CLIFFORD P. FITCH, M.S., D.V.M., D.Sc., Professor of Pathology and Bacteriology, Chief of Division of Veterinary Medicine, and Animal Pathologist

Studies of the Test Tube Agglutination Test for the Diagnosis of Bang's Disease (Contagious Abortion) (with C. R. Donham, Lucille M. Bishop, and W. L. Boyd). University of Minnesota Agricultural Experiment Station Technical Bulletin No. 73. 1930. 56 pages.

"The association of *Bacterium Abortus* Bang with hygroma of the knee of cattle" (with W. L. Boyd and A. L. Delez). *Cornell Veterinarian*, 20:263-69. 1930.

WILLARD L. BOYD, D.V.S., Professor of Veterinary Medicine

Studies of the Test Tube Agglutination Test for the Diagnosis of Bang's Disease (Contagious Abortion) (with C. P. Fitch, C. R. Donham, and Lucille M. Bishop.) University of Minnesota Agricultural Experiment Station Technical Bulletin No. 73. 1930. 56 pages.

"The association of *Bacterium Abortus* Bang with hygroma of the knee of cattle" (with A. L. Delez and C. P. Fitch). *Cornell Veterinarian*, 20:263-69. 1930.

"Studies in the use of calcium salts in the treatment of hypocalcemia of cattle." *Veterinary Alumni Quarterly of Ohio State University*, 19:3-12. 1931.

"Breeding problems of farm animals." *Ibid.*, 19:28-31. 1931.

HOWARD C. H. KERNKAMP, M.S., D.V.M., Associate Professor of Veterinary Medicine

Necro in Swine. University of Minnesota Agricultural Extension Division Special Bulletin No. 131. 1930. 10 pages.

"The transmission of pullorum disease among sexually mature fowls." *Journal of the American Veterinary Medical Association*, (n.s. 30) 3:280-94. 1930.

"Deficiency diseases of swine." *Veterinary Alumni Quarterly*, 18:112-21. 1930.

CHARLES R. DONHAM, M.S., D.V.M., Assistant Professor of Veterinary Medicine

Studies of the Test Tube Agglutination Test for the Diagnosis of Bang's Disease (Contagious Abortion) (with C. P. Fitch, Lucille M. Bishop, and W. L. Boyd). University of Minnesota Agricultural Experiment Station Technical Bulletin No. 73. 1930. 56 pages.

LUCILLE M. BISHOP, B.S., Instructor in Veterinary Medicine

Studies of the Test Tube Agglutination Test for the Diagnosis of Bang's Disease (Contagious Abortion) (with C. P. Fitch, C. R. Donham, and W. L. Boyd). University of Minnesota Agricultural Experiment Station Technical Bulletin No. 73. 1930. 56 pages.

AGRICULTURAL EXTENSION

FRANK W. PECK, M.S., Professor of Farm Management and Director of Agricultural Extension

Agricultural Outlook for 1931 (with S. B. Cleland and W. L. Cavert). University of Minnesota Agricultural Extension Division Pamphlet No. 20. January, 1931. 8 pages.

Editorial column, *Minnesota Extension News*. 1930-31.

Co-editor, *Minnesota Extension News*. 1930-31.

THEODORE A. ERICKSON, B.S., Associate Professor of Agricultural Education and State Club Leader

The Future Dairy Farmers of Minnesota. Combined Annual Report of Park Region Dairy Herd Improvement Association. 1930. 39 pages.

"Boys' and girls' 4-H clubs." *Minnesota Horticulturist*, Vol. 58, No. 9, p. 279; No. 10, p. 314; No. 11, p. 344. Vol. 59, No. 1, p. 11; No. 2, p. 37; No. 3, p. 65; No. 4, p. 93; No. 5, p. 121. 1930-31.

"Four-H clubs set record for 1930." *St. Paul Dispatch*, December 31, 1930.

JULIA O. NEWTON, B.S., Associate Professor of Agricultural Extension and State Home Demonstration Leader

News items for papers on various phases of state home demonstration work.

HAROLD R. SEARLES, B.S., Associate Professor of Agricultural Extension and Extension Dairyman

The Minnesota Statewide Cow Testing Association. University of Minnesota Agricultural Extension Division Pamphlet No. 13. 1930. 4 pages.

"Testing Minnesota cows." *Minneapolis Tribune*, April 26, 1931.
 Statewide Cow Testing Association news letter. Mimeographed.
 News items for papers on dairy cattle management, feeding, and testing.

PARKER O. ANDERSON, B.S., Assistant Professor of Agricultural Extension and Extension Forester

Common Forest Trees of Minnesota (with Wilbur R. Mattoon, U.S.D.A.). University of Minnesota Agricultural Extension Division Pamphlet No. 17. 1930. 54 pages.
 "Proper management of farm woodlots." *Minneapolis Journal*, December 15, 1930.
 "Helping farmers with woodlots." *Duluth Herald*, January, 1931.
 "Plant woodlots wisely." *Good Thunder Herald*, January 5, 1931.
 News items for papers on various phases of state extension forestry work.

WILLIAM A. BILLINGS, D.V.M., Assistant Professor of Veterinary Medicine and Extension Veterinarian

Turkey News Letter. Issued monthly.

EVA L. BLAIR, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Home Organization

Articles on home demonstration work. *Minneapolis Journal*, July 25, 1930; June 7, 1931.
 News items for papers on various phases of home demonstration organization work.

WILLIAM LANE CAVERT, Ph.D., Assistant Professor of Agricultural Extension and Extension Economist

Sources of Power on Minnesota Farms. University of Minnesota Agricultural Experiment Station Bulletin No. 262. 1930. 72 pages.
Agricultural Outlook for 1931 (with F. W. Peck and S. B. Cleland). University of Minnesota Agricultural Extension Division Pamphlet No. 20. January, 1931. 8 pages.
 "Farm leases in Minnesota." *Minnesota Farm Business Notes*, August, 1930. 4 pages.
 "Significance of a declining price level to farmers." *Ibid.*, March, 1930. 4 pages.
 "Life insurance for the business farmer." *Successful Farming*, 28:39-40. 1930.
 "Life insurance for the business farmer." *Ibid.*, 28:10, 48-51. 1931.
 "How about your insurance?" *Ibid.*, 29:17, 67. 1931.
 Editor, Special Farm Economics Department, *Minnesota Extension News*. 1930-31.
 News items for papers on various phases of state extension farm economics.

SPENCER B. CLELAND, M.S., Assistant Professor of Agricultural Extension and Extension Specialist in Farm Management

Agricultural Outlook for 1931 (with F. W. Peck and W. L. Cavert). University of Minnesota Agricultural Extension Division Pamphlet No. 20. January, 1931. 8 pages.
 "Minnesota successful bull association." *Hoard's Dairyman*, 75:878. October 10, 1930. Mimeographed program material for rural community organizations. Issued monthly.
 News items for papers on various phases of state extension farm economics.

CORA E. COOKE, B.S., Assistant Professor of Agricultural Extension and Extension Poultry Specialist

Poultry News Letter and *Record Farms Report*. Issued monthly.
 Mimeographed project material on "Marketing of good quality poultry"; "Good poultry for market"; "Top grade eggs for market."
 Publicity concerning poultry project, prepared for local newspapers in counties co-operating on the project.
 News items for papers on various phases of state poultry extension work.

RALPH F. CRIM, B.S., Assistant Professor of Agricultural Extension and Extension Agronomist

Emergency Pasture and Hay Crop (with H. K. Wilson). University of Minnesota Agricultural Extension Division Circular No. 33. 1930. 4 pages.

Barley in Minnesota (with F. J. Stevenson and R. O. Bridgford). University of Minnesota Agricultural Extension Division Special Bulletin No. 135. 1930. 12 pages.

Double-Crosses of Corn for Distribution in Minnesota (with H. K. Hayes and I. J. Johnson). University of Minnesota Agricultural Experiment Station Bulletin No. 275. 1931. 14 pages.

Editor, *Minnesota Seed Grower*. 1930-31. Bi-monthly publication.

Mimeographed reports on corn demonstrations, varietal demonstrations with small grains, and on Extension Agronomist Conference.

ARTHUR E. ENGBRETSON, B.S., Assistant Professor of Agricultural Extension and Extension Animal Husbandman

Multigraphed summary of 1930 Minnesota ton litter contest.

Multigraphed summary of 1930 Minnesota pork production contest.

Mimeographed material for ton litter and pork production contestants.

News items for papers on various phases of swine extension work.

BELLE O. FISH, M.S., Assistant Professor of Agricultural Extension and Extension Specialist in Child Development

Mimeographed subject-matter material for project leaders.

EDWIN A. HANSON, B.S., Assistant Professor of Dairy Husbandry and Extension Dairy Specialist

Mimeographed material on timely topics for 4-H dairy calf members.

News items for the papers on various phases of the extension dairy project.

ROGER S. MACKINTOSH, M.S., Assistant Professor and Exhibit Specialist

"American Association of Nurserymen." *Minnesota Horticulturist*, 58:207-10. 1930.

"The road beautiful pays." *Ibid.*, 59:86-87. 1931.

Editor, *Minnesota Horticulturist*, Minnesota State Horticultural Society. 1930-31.

MARY MAY MILLER, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Home Management

Multigraphed subject-matter material for use of local leaders in home management project.

WILLIAM E. MORRIS, B.S., Assistant Professor of Agricultural Extension and Extension Animal Husbandman

Report of 1930 Minnesota Lamb Production Contest. University of Minnesota Agricultural Extension Division Pamphlet No. 19. 1931. 4 pages.

Report of the Fifth Minnesota Carload Baby Beef Contest. University of Minnesota Agricultural Extension Division Pamphlet No. 23. 1931. 4 pages.

"The 4-H Baby Beef Club calf." 4 multigraphed pages.

Mimeographed project material.

News items for papers on various phases of livestock extension work.

GEORGE H. NESOM, B.S., Assistant Professor of Soils and Soils Specialist

Mixing Fertilizers on the Farm (with C. O. Rost). University of Minnesota Agricultural Extension Division Pamphlet. March, 1931. 7 multigraphed pages.

"Grow alfalfa, the most important crop for Hubbard, Ottertail, and Wadena Counties."

Pages 47-49 in *Combined Annual Report of Park Region Dairy Herd Improvement Association*. January, 1931.

"Preparing the soil for alfalfa." *St. Paul Dispatch*, April 18, 1931.

HENRY A. PFLUGHOEFT, B.S., Assistant Professor of Agricultural Extension and District Club Leader

Mimeographed outline of suggestive program for 4-H clubs.

M. LOIS REID, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Clothing

Mimeographed subject-matter material for project leaders.

RAYMOND C. ROSE, M.S., Assistant Professor of Agricultural Extension and Extension Plant Pathologist

The Acid-Mercury Dip, a Simplified Treatment for Seed Potatoes (with J. G. Leach). University of Minnesota Agricultural Extension Division Circular No. 35. 1930. 4 pages.

Reduce Smut Losses (with C. S. Holton). University of Minnesota Agricultural Extension Division Folder No. 28.

Why So Much Smut in Spring Wheat? (with R. J. Haskell, W. E. Brentzel, E. A. Walker, and Waldo Kidder). United States Department of Agriculture, Bureau of Plant Industry, Plant Disease Reporter, Supplement 77. November, 1930.

W. BRUCE SILCOX, M.S., Assistant Professor of Agricultural Extension and Extension Economist in Marketing

The Foreign Type Cheese Industry in Wisconsin. University of Wisconsin Agricultural Experiment Station Research Bulletin No. 103. December, 1930. 36 pages. "Early dairy price increase doubtful." *Extension Service News*, 10:3-4. December, 1930.

WESLEY D. STEGNER, B.S., Assistant Professor of Agricultural Extension and District Club Leader

Farm-Family Partnerships. University of Minnesota Agricultural Extension Division Special Bulletin No. 136. March, 1931. 24 pages.

EVES E. WHITFIELD, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Clothing

Mimeographed subject-matter material for project leaders.

RAMER LEIGHTON, Assistant in Agricultural Extension, in charge Dairy Herd Improvement

Dairy Herd Improvement News Letter (multigraphed). Issued monthly.

DAN C. DVORACEK, B.S.A., Extension Economist in Marketing

"Marketing dairy products." Pages 85-87 in *Combined Annual Report of Park Region Dairy Herd Improvement Association*. 1930.

"Fish marketing on the north shore of Lake Superior." *Two Harbors Chronicle*, April 29, 1931.

News items for papers on agricultural outlook and marketing problems.

HAROLD LEROY HARRIS, B.S., Extension Publicity Specialist

"Agent gives editors his news." *Agricultural Leaders' Digest*, Vol. 11, No. 3, pp. 16-17. 1930.

"Agent holds publicity school." *Ibid.*, Vol. 11, No. 4, pp. 44-45. 1930.

"Six premier Minnesota dairymen." *Hoard's Dairymen*, 76:224, 255. 1931.

"Durocs show superiority over other breeds." *Duroc Journal-Bulletin*, Vol. 29, No. 2, p. 3. 1931.

"Redwood county declares war." *Successful Farming*, 9:8, 87. 1931.

Co-editor, *Minnesota Extension News*. 1930-31.

SCHOOL OF AGRICULTURE

JOHN O. CHRISTIANSON, B.A., Assistant Professor of Social Sciences and
Acting Principal of the School of Agriculture

"What is normal business?" *Cooperative Shipper*, Vol. 11, No. 5. May, 1931.

THE LAW SCHOOL

WILBUR H. CHERRY, B.A., LL.B., Professor of Law

"The recommendation of the Minnesota Crime Commission as viewed in 1930." Pages
14-18 in *Conference on Government Relationships, 1930*. University of Minnesota
Bulletin, Vol. 34, No. 24. March 31, 1931.

RALPH H. DWAN, B.A., LL.B., S.J.D., Professor of Law

Reviews of

Munroe Smith, *The Development of European Law in Minnesota Law Review*, 15:131-32.
December, 1930.

Hastings Lyon and Herman Block, *Edward Coke Oracle of the Law in ibid.*, 15:367.
February, 1931.

Lloyd A. Wilford, *Administration of Workmen's Compensation in Minnesota in ibid.*,
15:845-46. June, 1931.

Editor-in-chief, *Minnesota Law Review*, 1930-31.

HARVEY SHEELY HOSHOUR, B.A., LL.B., Professor of Law

"Bids as acceptances in auctions 'without reserve'." *Minnesota Law Review*, 15:375-
90. March, 1931.

Review of W. R. Vance, *Handbook of the Law of Insurance in Minnesota Law Review*,
15:364-67. February, 1931.

HENRY L. MCCLINTOCK, LL.B., S.J.D., Professor of Law

Review of William F. Walsh, *A Treatise on Equity in Minnesota Law Review*, 15:
844-45. June, 1931.

HENRY ROTTSCHAEFER, B.A., J.D., S.J.D., Professor of Law

"State jurisdiction of income for tax purposes." *Harvard Law Review*, 44:1075-1101.
May, 1931.

"The power of the states to tax intangibles." *Minnesota Law Review*, 15:741-66. June,
1931; *North Carolina Law Review*, 9:415-40. June, 1931.

Reviews of

James Hart, *Tenure of Office Under the Constitution in Minnesota Law Review*, 15:
133-35. 1930.

G. Hankin and C. A. Hankin, *Progress of the Law in the United States Supreme Court
in ibid.*, 15:259. 1931.

J. G. Robinson, *Saving Taxes in Drafting Wills and Trusts in ibid.*, 15:488-89. 1931.

E. Jordan, *Theory of Legislation in ibid.*, 15:613-15. April, 1931.

Arthur L. Goodhart, *Essays in Jurisprudence and the Common Law in ibid.*, 15:731-32.
1931.

C. G. Haines, *The Revival of Natural Law Concepts in Illinois Law Review*, 25:601-3.
1931.

J. H. Landman, *The Case Method of Studying Law in Michigan Law Review*, 29:
395-97. 1931.

Frederick Hallis, *Corporate Personality in ibid.*, 29:534-38. 1931.

Jerome Frank, *Law and the Modern Mind in Harvard Law Review*, 44:481-84. 1931.

Joseph J. Klein, *Federal Income Tax: 1931 Cumulative Supplement in Cornell Law
Quarterly*, 16:635. June, 1931.

Jay M. Lee, *Minimizing Taxes in Yale Law Journal*, 40:1335-36. June, 1931.

Abstracts in *Social Science Abstracts*, Vol. 2, 1930. Nos. 10687, 10695, 11928, 13400, 15028, 15040, 15048, 15050, 15091, 16417, 16421, 16450. Vol 3, 1931. Nos. 2981, 2985.

WILLIAM L. PROSSER, B.A., LL.B., Assistant Professor of Law

Reviews of

James Montgomery Beck, *May It Please the Court in Minnesota Law Review*, 15:617-18. April, 1931.

Henry A. Johnston, *What Rights Are Left* in *ibid.*, 15:846-47. June, 1931.

ARTHUR C. PULLING, Librarian

Reviews of

Roland Williamson, *The Law Library in the Capitol, Washington, D.C.* in *Minnesota Law Review*, 15:259-60. January, 1931.

Fred A. Eldean, *How to Find the Law* in *ibid.*, 15:846. June, 1931.

THE MEDICAL SCHOOL

ANATOMY

CLARENCE M. JACKSON, M.S., M.D., LL.D., Professor of Anatomy and Head of the Department of Anatomy

"The effects of high sugar diets on the growth and structure of the rat." *Journal of Nutrition*, 3:61-77. 1930.

"The changes during desiccation and rehydration in the body and organs of the Leopard frog (*Rana pipiens*) (with V. D. E. Smith). *Biological Bulletin*, 60:80-93. 1931.

"The effects of deficient water-intake on the growth of the rat" (with V. D. E. Smith). *American Journal of Physiology*, 97:146-53. 1931.

"Changes in the physical measurements of the male students at the University of Minnesota during the last thirty years" (with D. C. MacKinnon). *American Journal of Anatomy*, 47:405-23. 1931.

"The effect of different types of dietary deficiency on the size of various organs" (abstract). *Anatomical Record*, 48:24. 1931.

"Changes in stature, weight, and body build of female students at the University of Minnesota during a period of eighteen years." *Ibid.*, 49:71-80. 1931.

HAL DOWNEY, Ph.D., Professor of Anatomy

"Diseases of the blood." Chapter 28, pages 569-612 in E. T. Bell, editor, *Textbook of Pathology*. Philadelphia: Lea and Febiger. 1930.

"Reactions of subcutaneous tissue to sodium ricinoleate and other foreign substances" (with Martha Ekola). *Folia Haematologica*, 43:454-74. 1931.

"Origin of monocytes in monocytic leukemia and leukemic reticulo-endotheliosis." *Anatomical Record*, 48 (supplement):16. 1931.

American editor, *Folia Haematologica* (Leipzig). 1930-31.

ANDREW T. RASMUSSEN, Ph.D., Professor of Neurology

"An aberrant (recurrent) pyramidal bundle in the cat." *Journal of Comparative Neurology*, 51:229-35. 1930.

"Origin of the basophilic cells in the posterior lobe of the human hypophysis." *American Journal of Anatomy*, 46:461-75. 1930.

"The absolute and relative weight of the different components of the normal adult female hypophysis and comparison with that of the male." *Anatomical Record*, 48:31. 1931.

"Proportions of the various constituents of the normal adult human female hypophysis." *Proceedings of the Society for Experimental Biology and Medicine*, 28:716-17. 1931.

Abstracts of all articles of endocrine interest appearing during the year in *Zeitschrift für Anatomie und Entwicklungsgeschichte*, *Zeitschrift für Konstitutionslehre*, and *Ergebnisse der Anatomie und Entwicklungsgeschichte in Endocrinology*, Vols. 14 and 15. 1930-31.

CLAY B. FREUDENBERGER, Ph.D., Instructor in Anatomy

"A comparison of the Wistar albino and Long-Evans hybrid strains of rats" (abstract). *Anatomical Record*, 48:19. February 25, 1931.

BACTERIOLOGY AND IMMUNOLOGY

WINFORD PORTER LARSON, M.D., Professor of Bacteriology and Head of the Department of Bacteriology

"The rôle of the fatty acid compounds of the phagocytes in neutralizing bacterial toxins." *Proceedings of the Society for Experimental Biology and Medicine*, 27:963. June, 1930.

ROBERT G. GREEN, M.A., M.D., Professor of Bacteriology and Immunology

"Tularemia in relation to wild life." *Proceedings of the Twenty-third Convention of the International Association of Game, Fish and Conservation Commissioners*, pp. 53-56. September 12, 1929.

"Epizootic fox encephalitis I. General description" (with N. R. Ziegler, B. B. Green, and E. T. Dewey). *American Journal of Hygiene*, 12:109-29. 1930; "II. General consideration of fur-range epizootics." *Ibid.*, 13:201-23. 1931.

"Tularemia in wild life and its transmission to man." *Journal Lancet*, 50:241-49. 1930; Commentary: "The hosts of tularemia." *Journal of the American Medical Association*, 95:667. 1930.

"Tularemia in muskrats." *Fins, Feathers and Fur*, 96:6. April, 1931.

ARTHUR T. HENRICI, M.D., Professor of Bacteriology

Molds, Yeasts and Actinomycetes. New York: Wiley and Sons. 1930. 296 pages.

HALVOR ORIN HALVORSON, Ch.E., Ph.D., Assistant Professor of Bacteriology and Immunology

A Report on the Sewage Disposal Plant of the George A. Hormel Company. Presented to a legislative committee on February 22, 1931. University of Minnesota Mimeograph Department. 1931. 25 pages.

"An innovation in meat packing waste treatment." *Municipal Sanitation*, 2:166-70. 1931.

"A complete treatment of packing house sewage by superchlorination." *American City*, 44:108-9. June, 1931.

BERYL B. GREEN, M.A., Instructor in Bacteriology and Immunology

"Epizootic fox encephalitis I. General description" (with R. G. Green, N. R. Ziegler, and E. T. Dewey). *American Journal of Hygiene*, 12:109-29. 1930.

CHARLES EDWARD SKINNER, Ph.D., Instructor in Bacteriology

"Is the Eijkman test an aid in the detection of fecal pollution of water?" (with J. W. Brown). *Journal of Bacteriology*, 20:139-50. 1930.

"Presence of *Azotobacter* and absence of *Thiobacillus thiooxidans* in peat soils" (with I. J. Nygard). *Ecology*, 11:558-61. 1930.

MEDICINE

GEORGE E. FAHR, M.D., Professor of Medicine

- "The effect of general systemic arteriosclerosis upon the heart and the systemic circulation" (with Jay Davis). *Annals of Internal Medicine*, 4:211-16. 1930.
- "The significance of the systolic murmur." *Nebraska State Medical Journal*, 15:458-62. 1930.
- "Experiments leading to a possible basis for vaccine therapy in acute rheumatic fever" (with B. J. Clawson). *Proceedings of the Society for Experimental Biology and Medicine*, 27:964-65. 1930.
- "The normal osmotic pressure of the plasma proteins of man" (with Arthur Kerkhof and Claire Conklin). *Ibid.*, 28:718-19. 1931.
- "The osmotic pressure of plasmic proteins in nephritis" (with Arthur Kerkhof and Claire Conklin). *Ibid.*, 28:720-21. 1931.
- "Hemodynamics of arteriosclerosis" (with Jay Davis and Russel Spittler). *American Journal of Physiology*, 96:426-38. 1931.

J. CHARNLEY MCKINLEY, M.D., Ph.D., Professor of Neuropathology

- "Diffuse subcortical sclerosis of the brain." *Minnesota Medicine*, 14:62. January, 1931.

HENRY E. MICHELSON, B.S., M.D., Professor of Dermatology and Syphilis and Director of the Division of Dermatology

- "Studies on the superficial lymph glands in early syphilis." *Pre-Sessional Volume, American Dermatological Association*, pp. 233-45. 1931.

S. MARX WHITE, B.S., M.D., F.A.C.P., Professor of Medicine

Member Advisory Editorial Board, *American Journal of Syphilis*, St. Louis, Mo.
Associate editor, *Journal Lancet*, Minneapolis, Minn.

JOHN BUTLER, M.D., Associate Professor of Dermatology

- "Erythema annulare centrifugum." *Pre-Sessional Volume, American Dermatological Association*, pp. 275-83. 1931.

EDWIN L. GARDNER, M.D., Associate Professor of Medicine

- "Protean pathological manifestations of rheumatic fever." *Minnesota Medicine*, 14:12-13. January, 1931.

HARRY G. IRVINE, M.D., Associate Professor of Dermatology and Syphilis

- "Some common skin diseases." *Minnesota Public Health Nurse*, 3:4-5. December, 1930.
- "Special uses of liquid oxygen in dermatology." *British Journal of Actinotherapy and Physiotherapy*, 6:95-96. 1931.

HOBART A. REIMANN, M.D., Associate Professor of Medicine

- "Agglutinin formation during kala-azar" (with H. L. Chung). *Archives of Internal Medicine*, 20:782. 1930.
- "Splenic enlargement." *New York State Journal of Medicine*, 30:1233. 1930.
- "The relationship of fungi to splenomegaly of unknown origin" (with T. J. Kurotchkin). *American Journal of Medical Sciences*, 181:107. 1931.
- "Studies on the etiology of trachoma" (with A. Pillat). *Journal of Experimental Medicine*, 53:687. May, 1931.
- "Attempts to produce bronchomoniliasis in monkeys" (with T. J. Kurotchkin). *American Journal of Tropical Medicine*, 11:151. 1931.

K. WILHELM STENSTROM, Ph.D., Associate Professor of Biophysics

- "Studies of skin protection to ultra-violet light by previous irradiation" (with Joseph B. Gaida). *Proceedings of the Society for Experimental Biology and Medicine*, 27:775. 1930.

- "Important facts concerning the diathermy machine and its current." *Archives of Physical Therapy, X-Ray and Radium*, 11:395-405. August, 1930.
- "Color changes produced by Roentgen rays in some aqueous solutions" (with Anne Lohmann). *Radiology*, 16:322-27. 1931.
- "Effect of Roentgen radiation on solutions of tyrosine phenol and tryptophane" (with Anne Lohmann). *Ibid.*, 16:432-34. 1931.
- "Biophysical principles of physical therapy." *Ibid.*, 16:730-36. 1931.
- "Light—its photodynamic activity and use as a therapeutic agent" (with F. W. Schultz and E. M. L. Clausen). *White House Conference on Child Health and Protection*, Sec. 1, Div. 1, Part 2, pp. 133-53. 1931.

SAMUEL E. SWEITZER, M.D., Associate Professor of Dermatology and Syphilis

- "The treatment of *psoriasis vulgaris* with intravenous acriflavine" (with Philip K. Allen). *Minnesota Medicine*, 13:818. November, 1930.
- "Tuberculide en plaque." *Pre-Sessional Volume, American Dermatological Association*, pp. 111-19. 1931.

CHARLES BENJAMIN WRIGHT, B.A., M.D., Associate Professor of Medicine

- "Primary carcinoma of the liver." *Journal Lancet*, 50:321. July 15, 1930.
- "Report on undulant fever." *Minnesota Medicine*, 14:377-78. April, 1931.
- "Diet in heart disease." *Minnesota Public Health Nurse*, 4:6-7. June, 1931.

KARL W. ANDERSON, M.D., Assistant Professor of Medicine

- "Carcinoma of the stomach." *Minnesota Medicine*, 13:643. September, 1930.

ARCHIE H. BEARD, B.A., M.D., F.A.C.P., Assistant Professor of Medicine

- "Relationship of high fats in the development of arteriosclerosis in diabetes." *Journal Lancet*, 50:465-69. October 1, 1930.

CHARLES D. FREEMAN, M.D., Assistant Professor of Dermatology

- "Pemphigus neonatorum congenita or impetigo neonatorum congenita." *Pre-Sessional Volume, American Dermatological Association*, pp. 45-49. 1931.

CHAUNCEY A. MCKINLAY, B.A., M.D., Assistant Professor of Medicine

- "Valvular heart disease in young adults." *Minnesota Medicine*, 13:624. September, 1930.
- "Concerning limitations of the clinical significance of low basal metabolic rates." *Ibid.*, 13:624-27. September, 1930.
- "Report of a case of pulmonary abscess following tonsillectomy, terminating in fatal hemoptysis." *Journal Lancet*, 51:334-36. May, 1931.

ERNEST SIDNEY MARIETTE, M.D., B.S., Assistant Professor of Medicine

- "Vocational training in a sanatorium." *Everybody's Health*, 15:14. July, 1930.
- "General management of pulmonary tuberculosis." *Annals of Internal Medicine*, 4:723-32. January, 1931; *Transactions of the National Tuberculosis Association for 1930*, pp. 370-80. 1931.
- "Gauging the sanatorium's future by its past and present." *Modern Hospital*, 36:90. January, 1931.
- "Mantoux tuberculin test." *Osseo Press*, October 30, 1930; *Minnetonka Record*, 2:20-21.

MORRIS H. NATHANSON, B.S., M.D., Assistant Professor of Medicine

- "Electrocardiographic study of movements of the heart with change of posture." *Proceedings of the Society for Experimental Biology and Medicine*, 28:766-70. 1931.

HARRY OERTING, M.D., Assistant Professor of Medicine

"The non-articular forms of rheumatic fever." *Minnesota Medicine*, 14:14-15.
January, 1931.

"Subacute bacterial endocarditis involving the tricuspid valve only." *Ibid.*, 14:82.
January, 1931.

THOMAS ZISKIN, M.D., Assistant Professor of Medicine

"Cardiac neuroses." *Journal-Lancet*, 50:178-80. May 15, 1930.

"Sir James Mackenzie." *Ibid.*, 50:386-90. August 15, 1930.

THOMAS B. HARTZELL, M.D., Lecturer on Medicine

"The patients' needs." *Journal of the American Dental Association*, 17:1833-36.
October, 1930.

"The pulpless tooth." *Dental Cosmos*, 72:1177-83. November, 1930.

PHILIP K. ALLEN, M.D., Instructor in Dermatology

"Intravenous vaccine therapy in staphylococcic infections" (with B. J. Clawson).
Archives of Dermatology and Syphilology, 23:894-900. 1931.

JAMES B. CAREY, B.S., M.D., Instructor in Medicine

"A case of myxoedema and diabetes." *Minnesota Medicine*, 13:578. August, 1930.

"Three cases of pernicious anemia with fatal termination during liver therapy." *Archives
of Internal Medicine*, 14:893. June, 1931.

CARL B. DRAKE, B.A., M.D., Instructor in Medicine

"The chemical aspect of sclerotic changes in the aortic valve." *Minnesota Medicine*,
13:628-31. 1930.

EVERETT K. GEER, B.S., M.D., Instructor in Medicine

"Evulsion of the phrenic nerve for pulmonary tuberculosis." *Minnesota Medicine*,
13:545. 1930.

WILLIAM H. HENGSTLER, M.D., Instructor in Nervous and Mental Diseases

"Encephalitis." *Minnesota Medicine*, 13:888. December, 1930.

"The problem of the functional nervous case." *Ibid.*, 14:308. April, 1931.

"Neurological aspect of head injuries." *Ibid.*, 14:509-13. June, 1931.

MAX H. HOFFMAN, B.S., M.D., Instructor in Medicine

"Rheumatic carditis." *Minnesota Medicine*, 14:8. January, 1931.

FRANK L. JENNINGS, M.D., F.A.C.P., Instructor in Medicine

"General treatment of pulmonary tuberculosis." *Clinical Medicine and Surgery*, 37:
820. 1930.

GORDON R. KAMMAN, B.S., M.D., F.A.C.P., Instructor in Nervous and
Mental Diseases

"Alcoholic polyneuritis with cranial nerve involvement: Korsakow syndrome." *Minnesota
Medicine*, 14:259-60. March, 1931.

JOHN F. MADDEN, M.S., M.D., Instructor in Dermatology and Syphilology

"A study of five hundred cases of late syphilis with particular reference to early
treatment." *American Journal of Syphilis*, 14:451-61. October, 1930.

GEORGE NOEL RUHBERG, B.S., M.D., Instructor in Nervous and Mental Diseases

- "Books as a therapeutic agent." *Trained Nurse and Hospital Review*, 85:182-83. August, 1930.
 "Jake paralysis" (editorial). *Minnesota Medicine*, 13:418. June, 1930.
 "Encephalitis" (with W. H. Hengstler). *Ibid.*, 13:888-90. December, 1930.
 "The psychopathic hospital" (editorial). *Ibid.*, 14:265-66. March, 1931.

MORSE J. SHAPIRO, B.S., M.D., Instructor in Medicine

- "Electrocardiographic changes in quiescent rheumatic disease in children and young adults." *American Heart Journal*, 5:504. April, 1930.
 "Heart disease in childhood." *Minnesota Public Health Nurse*, 3:7. December, 1930.
 "Organized care of patients with acute rheumatic endocarditis." *Minnesota Medicine*, 14:428-30. May, 1931.
 "Juvenile rheumatism and heart disease in children." Mimeographed and mailed to members of Minnesota Institute of Public Health Nurses. March, 1931.

DALE D. TURNACLIFF, B.S., M.D., Instructor in Dermatology and Syphilis
 Editor, Case reports of Minnesota Dermatological Society. *Archives of Dermatology and Syphilis*, 1930-31.

LOUIS H. WINER, M.D., Instructor in Dermatology

- "Local amyloidosis of the skin." *Archives of Dermatology and Syphilology*, 23:866-71. 1931.

OBSTETRICS AND GYNECOLOGY

JENNINGS C. LITZENBERG, B.S., M.D., F.A.C.S., Professor of Obstetrics and Gynecology and Head of the Department of Obstetrics and Gynecology

- "Effect of postpartum care on the mother." *American Child Health Association Transactions*, 6:101-6. 1929.
 "Management of the third stage of labor with special reference to blood loss" (with L. A. Calkins and E. D. Plass). *American Journal of Obstetrics and Gynecology*, 21:175-86. February, 1931.

ARTHUR E. BENJAMIN, M.D., Assistant Professor of Obstetrics and Gynecology

- "Report of a case of phlegmonous enteritis." *Minnesota Medicine*, 14:457-58. May, 1931.
 Discussion of Dr. James Johnson, *Acute Mechanical Obstruction of Lower Bowel in Minnesota Medicine*, 14:635-42. July, 1931.

WILLIAM H. CONBIT, B.S., M.D., F.A.C.S., Assistant Professor of Obstetrics and Gynecology

- "Non-specific vaginitis." *Minnesota Medicine*, 14:319. April, 1931.

RAE T. LAVAKE, B.A., M.D., F.A.C.S., Assistant Professor of Obstetrics and Gynecology

- "Care of teeth during pregnancy." *Dental Survey*, 7:42-44. 1931.

SAMUEL B. SOLHAUG, M.D., Ph.D., Assistant Professor of Obstetrics and Gynecology

- "The life of Widal—an historical sketch." *Journal-Lancet*, 19:474-75. 1930.

JOHN A. URNER, M.D., Ph.D., Assistant Professor of Obstetrics and Gynecology

"The changes in the mammary glands of the pregnant albino rat deprived of vitamin E." *Transactions of the Section of Obstetrics, Gynecology and Abdominal Surgery of the American Medical Association*, pp. 34-41. 1930.

EVERETT CHARLES HARTLEY, B.A., M.D., Instructor in Obstetrics and Gynecology

"The tetanoid syndrome and its relation to menstrual cramps." *American Journal of Obstetrics and Gynecology*, 21:725. May, 1931.

"A point of view in medicine." *Minnesota Medicine*, 14:611-17. 1931.

Reviews of

Logan Clendening, *Modern Methods of Treatment in Minnesota Medicine*, 14:477. May, 1931.

Willy Meyer, *Cancer in ibid.*, 14:477. May, 1931.

George H. Weaver, *General Medicine in ibid.*, 14:388. April, 1931.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

FRANK E. BURCH, M.D., F.A.C.S., Professor of Ophthalmology and Oto-Laryngology and Head of the Department of Ophthalmology and Oto-Laryngology

"The eye grounds in general practice" (The Joseph Schneider Foundation lecture in ophthalmology). *Transactions of the Interstate Medical Assembly*, pp. 283-88. 1930.

"Some considerations of muscle surgery with special reference to the tucking operation." *American Journal of Ophthalmology*, 14:489-97. 1931.

WILLIAM W. LEWIS, M.D., F.A.C.S., Assistant Professor of Ophthalmology and Oto-Laryngology

"Presbyopia, the bugbear." *American Journal of Ophthalmology*, 13:806-8. 1930.

JOHN A. PRATT, M.D., F.A.C.S., Assistant Professor of Ophthalmology and Oto-Laryngology

"Our eighteenth century method of treating suppurative otitis media—a criticism and a remedy." *Journal of the American Medical Association*, 95:1258-61. October, 1930.

VIRGIL J. SCHWARTZ, B.S., M.D., Instructor in Ophthalmology and Oto-Laryngology

"Intra-ocular blastomycosis." *Pre-Sessional Volume, Section on Ophthalmology, American Medical Association*, pp. 273-83. 1930; *Archives of Ophthalmology*, 5:581-90. April, 1931.

Editor

Progress, 1930.

Eye, Ear, Nose, and Throat, 1930.

Minnesota Medicine, 1930.

PATHOLOGY

ELEXIOUS THOMPSON BELL, B.S., M.D., Professor of Pathology and Head of the Department of Pathology

Textbook of Pathology (revision of *Outlines of Pathology*) (with B. J. Clawson, Hal Downey, J. C. McKinley, J. S. McCartney, Jr., and C. J. Watson). Philadelphia: Lea and Febiger. 1930. 627 pages.

- "Causes of hypertension" (with A. H. Pedersen). *Annals of Internal Medicine*, 4:227-37. 1930.
- "Experimental glomerulonephritis in a monkey" (with B. J. Clawson). *American Journal of Pathology*, 7:57-61. 1931.
- "Clinical pathologic conferences" (semi-monthly contributions). *Journal-Lancet*, 1930-31.

BENJAMIN JUNIOR CLAWSON, M.D., Ph.D., Professor of Pathology

- "Diseases of the heart." Pages 358-79 in E. T. Bell, editor, *Textbook of Pathology* (revision of Outlines of Pathology). Philadelphia: Lea and Febiger. 1930. 627 pages.
- "The relation of experimental rheumatoid inflammation to allergy." *Annals of Internal Medicine*, 4:433-39. 1930.
- "Experimental glomerulonephritis in a monkey" (with E. T. Bell). *American Journal of Pathology*, 7:57-61. 1931.
- "Experiments leading to a possible basis for vaccine therapy in acute rheumatic fever" (with G. E. Fahr). *Proceedings of the Society for Experimental Biology and Medicine*, 27:964-65. 1930.
- "Intravenous vaccine treatment for staphylococcal infections" (with P. K. Allen). *Archives of Dermatology*, 23:894-900. 1931.
- "Experiments relative to a possible basis for vaccine treatment of acute rheumatic fever." *Journal of Infectious Diseases*, 49:90-97. 1931.

WILLIAM A. O'BRIEN, M.D., Associate Professor of Pathology

- "Training of medical technicians." *Transactions of the American Hospital Association*, 16:946-51. 1930.
- "The autopsy." *Mid-Continent Mortician*, 7:8-10. April, 1931.
- "The nurse in the cancer problem." *Minnesota Public Health Nurse*, 4:2-3. April, 1931.
- "Correlation clinics in the freshman and sophomore year." *Journal of the Association of American Medical Colleges*, 6:145-49. 1931.
- "Cause of death following treatment for the relief of prostatic obstruction" (with G. J. Thomas and E. W. Exley). *Journal of Urology*, 25:343-50. 1931.
- "Pathological department of university hospitals." *Minnesota Medicine*, 14:583-84. 1931.
- Editor
- "Consultation Bureau." *Minnesota Medicine*, 1930-31.
- "Health from the air." *Everybody's Health*, 1930-31.
- University Hospitals staff meetings. Mimeographed, weekly, regular school year, 1930-31.

KANO IKEDA, M.D., Assistant Professor of Pathology

- "Gastric manifestations of lymphatic aleukemia (*Pseudoleukemia gastrointestinalis*)." *American Journal of Clinical Pathology*, 1:167-85. March, 1931.

JAMES SHEARER MCCARTNEY, JR., B.A., M.D., Assistant Professor of Pathology

- "The mycoses." Pages 165-70 in E. T. Bell, editor, *Textbook of Pathology*. Philadelphia: Lee and Febiger. 1930.
- "Diseases of the liver and gallbladder." Pages 491-509 in E. T. Bell, editor, *Textbook of Pathology*. Philadelphia: Lee and Febiger. 1930.

JOHN FRANKLIN NOBLE, M.D., Assistant Professor of Pathology

- "Leukemoid blood picture of the myeloid type" (with Hal Downey and S. G. Major). *Folia Haematologia*, 41:493-511. 1930.

PEDIATRICS

IRVINE MCQUARRIE, Ph.D., M.D., Professor of Pediatrics and Head of the Department of Pediatrics

- "The effect of induced changes in the state of hydration of the body on the occurrence of seizures in epileptic children" (with R. C. Manchester and Clara Husted). *Proceedings of the Society for Research in Nervous and Mental Diseases, a Symposium on Epilepsy*. Baltimore: Williams and Wilkins. 1931. 18 pages.
- "The rôle of water in nutrition" (with E. F. Adolph). *Report of White House Conference, Sec. 1, Div. 3, Part 2*, pp. 197-217. 1931.
- "The influence of state of hydration on the insensible loss of weight in children" (with R. C. Manchester and Clara Husted). *Journal of Nutrition*, 4:39-61. 1931.
- "Further studies on the water and mineral exchange in epileptic children." *American Journal of Diseases of Children*, 40:902. 1931.

JAMES T. CHRISTISON, M.D., Associate Professor of Pediatrics

Mimeographed copies of lectures for seniors and juniors in the training school for nurses.

ERLING S. PLATOU, M.D., Assistant Professor of Pediatrics

- "Erysipelas, comparative study of more recent methods of treatment" (with W. H. Ude). *Journal of the American Medical Association*, 95:1-4. 1930.
- "Poliomyelitis, an evaluation of serum therapy" (with C. A. Stewart). *Journal-Lancet*, 51:201. 1931.
- "Serotherapy of measles and poliomyelitis" (with C. A. Stewart). *Minnesota Medicine*, 14:42. 1931.

LAWRENCE F. RICHDORF, M.D., Ph.D., Assistant Professor of Pediatrics

- "Life of Abraham Jacobi." *Journal-Lancet*, 50:475-78. October, 1930.
- "Sedgwick and breast feeding." *Ibid.*, 51:67-70. February, 1931.
- "Poliomyelitis." *Minnesota Public Health Nurse*, 3:2-3. December, 1930.
- "Your food and your health." *Ibid.*, 3:6-7. May, 1930.
- "The typhoid mortality rate in Minnesota." *Minnesota Municipalities*, 15:452. December, 1930.

CHESTER A. STEWART, M.D., Ph.D., Assistant Professor of Pediatrics

- "Serotherapy of measles and poliomyelitis." *Minnesota Medicine*, 14:42. 1931.
- "Development and progress of pediatrics in the Northwest." *Journal-Lancet*, 51:71. 1931.
- "Poliomyelitis, an evaluation of serum therapy" (with E. S. Platou). *Ibid.*, 51:201. 1931.

EDWARD D. ANDERSON, B.A., M.D., Instructor in Pediatrics

- "Some observations on pseudohypertrophic muscular dystrophy." *Archives of Pediatrics*, 48:375-79. June, 1931.

ARILD E. HANSEN, B.S., M.D., Instructor in Pediatrics

- "Variations in plasma phosphatase, phosphorus, calcium and glucose following the administration of glucose and of calcium glycerophosphate" (with Mildred R. Ziegler and I. McQuarrie). *Proceedings of the Society for Experimental Biology and Medicine*, 28:860. June, 1931.

ROBERT ROSENTHAL, M.D., Instructor in Pediatrics

- "Pachymeningitis hemorrhagica interna." *Minnesota Medicine*, 14:547-51. 1931.
- Review of John F. Fulton, *Selected Readings in the History of Physiology in Minnesota Medicine*, 13:853-54. 1930.

W. RAY SHANNON, M.S., M.D., Instructor in Pediatrics

- "Case of tetany and edema in the new born." *Minnesota Medicine*, 13:476-83. July, 1930.
- "Immunology of diphtheria and scarlet fever." *Ibid.*, 14:47-54. January, 1931.
- "Tetany, generalized edema, and the cerebral compression in the new born." *Archives of Pediatrics*, 48:153-73. March, 1931.
- "Relation of the physical condition to the problem child." *Everybody's Health*, 16:16. 1931.

DAVID M. SIPERSTEIN, M.A., M.D., Instructor in Pediatrics

- "Blood transfusion in pediatrics with special reference to the intraperitoneal route." *Journal-Lancet*, 50:547-50. November, 1930.
- "New trend in the diet of infants." *Ibid.*, 51:287-88. May, 1931.
- "Acute intussusception in infancy." *Archives of Pediatrics*, 48:31-41. January, 1931.

ALEXANDER R. STEWART, M.D., C.M., Instructor in Pediatrics

- "Observations on serotherapy in scarlet fever." *Minnesota Medicine*, 14:537. June, 1931.

ALBERT V. STOEISSER, M.D., Ph.D., Instructor in Pediatrics

- "The toxin-antitoxin union." *Journal of Infectious Diseases*, 48:255-81. March, 1931.
- "How and what to feed the pre-school child." *Everybody's Health*, 15:16-17. October, 1930.
- "Pasteurized milk for the infant and child." *Ibid.*, 15:111. November, 1930.
- "Allergic diseases in infancy and childhood." *Ibid.*, 16:16-17. February, 1931.

ROBERT L. WILDER, B.S., M.D., Instructor in Pediatrics

- "The action of atropine and adrenaline on gastric tonus and hypermotility induced by insulin hypoglycemia" (with L. H. Schwartz). *American Journal of Physiology*, 96:54-58. January, 1931.
- "The use of toxoid for immunization against diphtheria." *Minnesota Medicine*, 14:86-87. January, 1931.

RUDOLF ENGEL, M.D., Special Fellow in Pediatrics

- "Ueber Imidazolderivate im Harn Leberkranker" (with F. Kauffmann). *Zeitschrift fuer klinische Medizin*, 114:405-31. 1930.

PHARMACOLOGY

RAYMOND N. BIETER, M.D., Ph.D., Assistant Professor of Pharmacology

- "The secretion pressure of the aglomerular kidney." *American Journal of Physiology*, 97:66. 1931.

PHYSIOLOGY

ELIAS P. LYON, Ph.D., M.D., LL.D., D.Sc., Professor of Physiology and Dean of Medical School

- "Science and health." *Semicultural Publication of the University of Southern California*, pp. 66-78. 1930.
- "Science and health." *University of Manitoba Quarterly*, 4:7-13. 1930.
- "Science, health and salesmanship." *Survey Graphic*, 19:264-66, 293. June, 1931.
- "Health is automatic." *Readers Digest*, 19:258-60. 1931.
- "A conference on heredity as applied to man." *Science*, 73:421. 1931.
- "Cultural value of the medical curriculum." *Journal of the Association of American Medical Colleges*, 6:84-93. March, 1931.
- "Humidity in the home." *Hygeia*, 9:20-23. 1931.

JESSE FRANCIS McCLENDON, Ph.D., Professor of Physiologic Chemistry

- "Variations in the polarization capacity and resistance of the skin" (with Allan Hemingway). *Journal of General Physiology*, 13:621-26. 1930.
- "Sugar in 0.02 cc. blood by the method of Folin and Malmros." *Proceedings of the Society for Experimental Biology and Medicine*, 27:773-75. 1930.
- "Basal metabolic rate and surface area of children between the ages of three and five years" (with D. A. Collins). *Archives of Pediatrics*, 24:521-23. August, 1930.
- "Hydrogen ion determination." *American Naturalist*, 64:289-99. 1930.
- "The psychogalvanic reflex as related to the polarization-capacity of the skin" (with Allan Hemingway). *American Journal of Physiology*, 94:77-83. 1930.
- "Ovarian hormone and metabolism" (with Lillas Myrick, Claire Conklin, and I. H. Wilson). *Ibid.*, 97:82-85. 1931.
- "The determination of traces of iodine. V. Further refinements in technique" (with Roe E. Remington and Harry von Kolnitz). *Journal of the American Chemical Society*, 53:1245-49. 1931.

FREDERICK H. SCOTT, Ph.D., M.B., D.Sc., Professor of Physiology

- "The spleen and blood concentration" (with B. A. Flesche and L. B. Winkelstein). *American Journal of Physiology*, 93:689. 1930.
- "The initial effect of vasoconstriction on the concentration of the blood" (with L. B. Winkelstein). *Ibid.*, 97:570-71. 1931.

ESTHER M. GREISHEIMER, M.D., Ph.D., Assistant Professor of Physiology

- "Glycogen formation in rats II" (with Olga H. Johnson). *Journal of Nutrition*, 3:297-302. 1930.
- "Spatial discrimination" (with S. K. Wirt). *Proceedings of the Society for Experimental Biology and Medicine*, 28:341-42. 1930.
- "True glucose tolerance in forty-two normal individuals" (with G. W. Holt). *Ibid.*, 28:547-48. 1931.
- "Individual variation in fasting blood sugar" (with G. W. Holt). *Ibid.*, 28:764-65. 1931.
- "Individual variation in serum calcium in normal men and women" (with Ruth E. Boynton). *Ibid.*, 28:907, 913. 1931.
- "Glycogen formation from amino acids" (with F. P. Army). *American Journal of Physiology*, 97:526-27. 1931; *Proceedings of the Society for Experimental Biology and Medicine*, 28:894-96. 1931.

ALLAN HEMINGWAY, Ph.D., Assistant Professor of Physiologic Chemistry

- "Peak voltage measurement in diathermy." *Radiology*, 15:670. 1930.
- "Surface heating with two types of diathermy electrodes." *Journal of Laboratory and Clinical Medicine*, 16:271. 1930.

JOSEPH T. KING, M.D., Ph.D., Assistant Professor of Physiology

- "A stronger coagulant for heparin-plasma." *American Journal of Physiology*, 93:665. 1930.
- "Tissue culture technique." *Archiv für experimentelle Zellforschung*, 9:341-49. 1930.
- "An 'activated' extract for coagulating heparin-plasma." *Ibid.*, 10:467-73. 1931.

DEAN A. COLLINS, M.A., Instructor in Physiology

- "Basal metabolic rate and surface area of children." *Proceedings of the Society for Experimental Biology and Medicine*, 27:128. 1929.
- "The correction for undercooling in material of high solid content." *Ibid.*, 28:896-98. 1931.
- "Basal metabolic rate and surface area of children between the ages of three and five years." *Archives of Pediatrics*, 47:521-23. August, 1930.

PREVENTIVE MEDICINE AND PUBLIC HEALTH

ALBERT J. CHESLEY, M.D., Associate Professor of Preventive Medicine and Public Health

"Time, cooperation and research measure success in health work." *American Journal of Public Health*, 20:1275-86. December, 1930.

JAY ARTHUR MYERS, Ph.D., M.D., F.A.C.P., Associate Professor of Preventive Medicine and Public Health

Seventh Medical Report of the Lymanhurst School for Tuberculous Children, 1928-29. Minneapolis: Department of Public Welfare. March, 1931. 8 pages.

Eighth Medical Report of the Lymanhurst School for Tuberculous Children, 1929-30. Minneapolis: Department of Public Welfare. March, 1931. 8 pages.

"New aspects of tuberculosis prevention." *Western Hospital Review*, 16:39. October, 1930.

"Protecting the child from tuberculosis." *Hygeia*, 8:1009-12. November, 1930.

"The prevention of tuberculosis among nurses." *American Journal of Nursing*, 30:1361. November, 1930.

"Roentgenographic examination of the chest" (with Marjorie Wulff). *Medical Journal and Record*, 132:927. December 3, 1930.

"Tuberculosis—a family disease." *Journal of the Outdoor Life*, 27:575-92. 1930.

"Arthur A. Law—soldier and surgeon." *Ibid.*, 28:207-9. April, 1931.

"Fresh air faddism." *Aerologist*, 6:5. October, 1930.

"What happens to the tuberculous child?" *Ibid.*, 7:18. April, 1931.

"Crystallization of our knowledge of tuberculosis in infancy and childhood." *Transactions of the Twenty-sixth Annual Meeting of the National Tuberculosis Association, 1930*, pp. 164-72; *Hospital Social Service*, 23:560-69. June, 1931.

"Some points in the differential diagnosis of chest diseases" (with Leila Kernkamp). *Minnesota Medicine*, 14:301-7. April, 1930.

"Detection and treatment of respiratory infections among university students" (with E. Hanson). *Ibid.*, 14:425. May, 1931.

"Newer aspects of the prevention of tuberculosis." *Journal of the American Veterinary Medical Association*, 78:385-99. March, 1931.

"G. Walter Holden—a modern fighter of fate." *Optimist*, pp. 6-8. April, 1931.

"Jeffries Wyman—fighter of fate." *Ibid.*, pp. 5-7. May, 1931.

"Artemus Ward." *Ibid.*, pp. 6-9. June, 1931.

"Control childhood tuberculosis." *Parent-Teacher Broadcaster*, pp. 4-5. March, 1931.

"Health legislation." *Journal-Lancet*, 51:238. April 1, 1931.

"Pulmonary tuberculosis in Northwest." *Ibid.*, 51:253-56. April 15, 1931.

"Tuberculosis control in rural communities." *Ibid.*, 51:271. April 15, 1931.

"The antivaccinationist." *Ibid.*, 51:272. April 15, 1931.

"Dietary deficiencies." *Ibid.*, 51:298-99. May 1, 1931.

"A self-appointed health authority." *Ibid.*, 51:329-30. May 15, 1931.

"The Minneapolis School Board." *Ibid.*, 51:330-31. May 15, 1931.

"Our present knowledge of the vitamins (vitamin A in nutrition)." *Dental Survey*, 7:38-39. June, 1931.

"Some necessary qualifications for tuberculosis nursing." *Trained Nurse and Hospital Review*, 86:804-10. June, 1931.

Chairman, Editorial Board, *Journal-Lancet*, 1930.

Associate editor

Journal of the Outdoor Life, 1928.

American Review of Tuberculosis, 1930.

RUTH E. BOYNTON, M.S., M.D., Assistant Professor of Preventive Medicine and Public Health and Chief Medical Counsellor for Women, Students' Health Service

"The tuberculin reaction in college women." *Proceedings of the American Student Health Association*, 14:98-102. December, 1930.

"Individual variation in serum calcium in normal men and women" (with Esther Greisheimer). *Proceedings of the Society for Experimental Biology and Medicine*, 28:907, 913. June, 1931.

ELLETT M. DEBERRY, B.A., M.D., Assistant Professor of Preventive Medicine and Public Health and Mental Hygienist

"Mental hygiene work in the Students' Health Service." *Proceedings of the American Student Health Association*, 10:154. December, 1929.

HARRY DEWITT LEES, B.M. (TOR.) Assistant Professor of Preventive Medicine and Public Health and Assistant Director of Students' Health Service

"Immunization against diphtheria." *Journal-Lancet*, 61:147. February, 1931.

"Scarlet fever." *Ibid.*, 61:211. March, 1931.

"Smallpox." *Ibid.*, 61:357. May, 1931.

HAROLD ARTHUR WHITTAKER, Ph.G., B.A., Assistant Professor of Preventive Medicine and Public Health

"Committee on milk production and control." Section II C, Appendix in *Preliminary Committee Reports of the White House Conference on Child Health and Protection*. New York: Century Company. 1930.

"The lake stream pollution problem in Minnesota." *Fins, Feathers, and Fur*, 91:12, 13. November, 1930.

"Preliminary report of Committee on Milk Production and Control." *Public Health Reports*, 46:769-811. 1931.

RALPH V. ELLIS, M.D., M.A., Instructor in Preventive Medicine and Public Health

"A rational classification of the food allergens." *Journal of Allergy*, 2:246. 1931.

NORMAN P. JOHNSON, B.A., M.D., Instructor in Preventive Medicine and Public Health

"An unexploited therapeutic opportunity in periodic health examinations of young adults." *Minnesota Medicine*, 14:526-30. June, 1931.

RADIOLOGY

LEO G. RIGLER, B.S., M.D., Associate Professor of X-Ray

"Paravertebral abscess" (with W. H. Ude and M. B. Hanson). *Radiology*, 15:471-79. 1930.

"Mediastinal pleural effusion" (with J. Sagel). *American Journal of Roentgenology*, 24:225-33. 1930.

"Roentgen observations on the movement of pleural effusions." *Ibid.*, 25:220-32. 1931.

"Kümmell's disease." *Ibid.*, 25:749-53. June, 1931.

"X-ray burns of the physician's hands" (editorial). *Minnesota Medicine*, 12:553-54. September, 1930.

"Early diagnosis of carcinoma of the stomach." *Ibid.*, 13:784-87. 1930.

"The value of the X-ray examination in pulmonary tuberculosis." *Radiological Reviews*, 52:348-51. 1930.

"Roentgen diagnosis of small pleural effusions." *Journal of the American Medical Association*, 96:104-8. 1931.

"Outline of Roentgen diagnosis. Introduction." *Journal-Lancet*, 51:143-47. February 15; "Bones and joints." *Ibid.*, 51:181-84, 204-8. March 1, 15; "Diseases of joints." *Ibid.*, 51:233-35, 294-96. April 1, May 1; "The thorax." *Ibid.*, 51:386-89, 417-20. June 15, July 1, 1931.

Outline of Roentgen diagnosis (revised).

WALTER H. UDE, M.D., Instructor in Roentgenology

- "Erysipelas, a comparative study of the more recent methods of treatment" (with E. S. Platou). *Journal of the American Medical Association*, 95:1. July 5, 1930.
- "Paravertebral abscess, an early Roentgen sign of tuberculosis spondylitis" (with L. G. Rigler and M. B. Hanson). *Radiology*, 15:471. 1930.
- "Erysipelas, further comparative studies of the more recent methods of treatment." *Archives of Physical Therapy*, 12:1. January, 1931.

SURGERY

OWEN H. WANGENSTEEN, M.D., Ph.D., Professor of Surgery and Head of the Department of Surgery

- "The evaluation of the expulsion of enemas as a criterion of intestinal obstruction" (with Reinhold O. Goehl). *Archives of Internal Medicine*, 46:669-79. October, 1930.
- "Evaluation of X-ray evidence as a criterion of strangulation obstruction" (with R. O. Goehl, F. W. Lynch, and C. Borman). *Proceedings of the Society for Experimental Biology and Medicine*, 27:952-54. 1930.
- "Observations on the transfusion of portal blood from dogs with intestinal obstruction to normal recipients" (with H. A. Carlson and F. W. Lynch). *Ibid.*, 27:954-57. 1930.
- "Observations on intestinal obstruction following the intravenous injection of particulate material" (with H. H. Cooke). *Ibid.*, 27:957-58. 1930.
- "Have the adrenal glands a specific detoxifying function in intestinal obstruction?" (with H. H. Cooke). *Ibid.*, 27:959-61. 1930.
- "The effect of ether and chloroform on kidney function in dogs with obstructive jaundice" (with B. Dalton, L. Sperling, and H. Dvorak). *Ibid.*, 27:961-62. 1930.
- "Value of X-ray evidence of bowel obstruction in various states of intestinal stasis" (with H. A. Carlson, H. J. Dvorak, F. W. Lynch, and C. Borman). *Ibid.*, 28:343-44. 1930.
- "Influence of morphine on intestinal activity in experimental obstruction" (with H. J. Dvorak, H. A. Carlson, T. C. Erickson, and V. D. Smith). *Ibid.*, 28:434-37. 1931.
- "Observations on hunger sensations in a patient after total gastrectomy" (with H. A. Carlson). *Ibid.*, 28:545-47. 1931.
- "Pancreatic cyst." *Journal-Lancet*, 50:3-6. May 15, 1930.
- "Congenital intestinal atresia" (with C. H. Webb). *American Journal of Diseases of Children*, 41:262-84. 1931.
- "Elaboration of criteria upon which the early diagnosis of acute intestinal obstruction may be made: with special consideration of the value of X-ray evidence." *Radiology*, 17:44-62. 1931.
- "Acute bowel obstruction." *Minnesota Medicine*, 14:16. 1931.
- "Correlation of function with cause of death following experimental intestinal obstruction at varying levels" (with N. L. Leven). *Archives of Surgery*, 22:658-65. 1931.
- "An experimental and clinical study of acute pancreatitis (pancreatic necrosis): with special reference to the significance of the biliary tract factor" (with N. L. Leven and M. H. Manson). *Ibid.*, 23:47-73. 1931.
- "Recognition of branchial or other cervical cysts by X-ray examination." *Annals of Surgery*, 93:790-92. 1931.
- "Early diagnosis of acute intestinal obstruction" (editorial). *Surgery, Gynecology and Obstetrics*, 52:785-87. 1931.

WALLACE H. COLE, M.D., Associate Professor of Surgery and Head of the Division of Orthopedic Surgery

- "Leg lengthening for shortening due to infantile paralysis." *Minnesota Medicine*, 13:904. December, 1930.
- "Free joint bodies." *Ibid.*, 14:354. April, 1931.
- "Final report on a case of bone cyst of the patella." *Radiology*, 16:752-56. May, 1931.

EMIL S. GEIST, M.D., F.A.C.S., Associate Professor of Orthopedic Surgery
 "Intracapsular fracture of the neck of the femur: a reply to Dr. Royal Whitman of New York." *Journal-Lancet*, 51:230. 1931.

ARTHUR T. MANN, B.S., M.D., F.A.C.S., Associate Professor of Surgery
 "Case report: Bone autograft in the clavicle." *Minnesota Medicine*, 14:461-70. May, 1931.
 "Case report: Gangrene of the hand." *Ibid.*, 14:670-75. July, 1931.
 "President's address, Minneapolis Surgical Society." *Ibid.*, 14:675. July, 1931.

ARTHUR A. ZIEROLD, M.D., Ph.D., Associate Professor of Surgery
 "Surgery of the infant abdomen." *Minnesota Medicine*, 13:826. November, 1930.

CARL C. CHATTERTON, M.D., F.A.C.S., Assistant Professor of Orthopedic Surgery
 "Gillette State Hospital for Crippled and Deformed Children" (history). *Minnesota Medicine*, 14:439-40. May, 1931.

EDWARD T. EVANS, B.S., M.D., F.A.C.S., Assistant Professor of Surgery
 "The Davis treatment of compression fractures of the spine with a suggested method in dislocations." *Minnesota Medicine*, 14:135-41. February, 1931.
 "Permanent disabilities of the extremities" (with M. O. Henry). *Ibid.*, 14:171-74. February, 1931.
 "Acute poliomyelitis." *Ibid.*, 14:396-98. May, 1931.

WALTER A. FANSLER, M.A., M.D., F.A.C.S., Assistant Professor of Surgery
 "The origin of polypi of the large bowel, with especial reference to adenoma: preliminary report." *Journal of the American Medical Association*, 95:1969-70. December 27, 1930.
 "Proctology and quackery." *Journal-Lancet*, 51:140-42. February 15, 1931.

PAUL W. GIESSLER, M.D., F.A.C.S., Assistant Professor of Orthopedic Surgery
 "Tuberculosis disease of the bones and joints." Pages 102-19 in J. A. Myers, *Tuberculosis Among Children*. Springfield, Illinois: Charles C. Thomas. 1930.

RALPH THOMAS KNIGHT, B.A., M.D., F.A.C.S., Assistant Professor of Surgery
 "Pulmonary complications of general anesthesia." *Minnesota Medicine*, 13:694-98. October, 1930.
 Review of L. Winfield Kohn, *Practical Treatise on Diseases of the Digestive System in Minnesota Medicine*, 14:475. May, 1931.

STANLEY ROBERT MAXEINER, M.D., F.A.C.S., Assistant Professor of Surgery
 "A few practical points influencing the safety and the success of local anesthesia in the hands of the general surgeon." *Journal-Lancet*, 49:13-15. 1929.
 "Case reports." *Ibid.*, 50:586-87. 1930.
 "Local anesthesia." *Minnesota Medicine*, 13:691. October, 1930.

WILLIAM T. PEYTON, M.D., Ph.D., Assistant Professor of Surgery
 "Embolectomy." *Annals of Internal Medicine*, 4:440-46. 1930.
 "Circulatory tests previous to amputation." *Minnesota Medicine*, 13:896-901. 1930.
 "The Cancer Institute at the University of Minnesota." *Surgery, Gynecology and Obstetrics*, 52, 2A:528. February 15, 1931.
 "The dimensions and growth of the palate in the normal infant and in the infant with gross maldevelopment of the upper lip and palate: a quantitative study." *Archives of Surgery*, 22:704-37. 1931.

EMIL C. ROBITSHEK, M.D., F.A.C.S., Assistant Professor of Surgery

"Acute perforated peptic ulcer: report of 53 operated cases." *Minnesota Medicine*, 13: 465. July, 1930.

"The tannic acid treatment of cutaneous burns." *Journal-Lancet*, 30:3. October 1, 1930. Abstracts of

E. Holman, *The Fundamental Principle Underlying the Treatment of Intrapulmonary Abscess and Persistent Bronchial Fistulae* in *International Abstract of Surgery*, p. 122. February, 1931.

J. B. Deaver, *An Opinion on the Present High Operative Mortality in Acute Appendicitis* in *ibid.*, p. 134. February, 1931.

J. B. Flick, *Bronchial Neoplasms; Surgical Aspects* in *ibid.*, p. 224. March, 1931.

GILBERT J. THOMAS, M.D., F.A.C.S., Assistant Professor of Urology

"Inflammatory obstruction of the ureter caused by psoas abscess secondary to tuberculosis of the spine" (with T. J. Kinsella). *Transactions of the American Association of G. U. Surgeons*, 23:239-43. 1930.

"Multiple cystine calculi in the left kidney with obstruction at the ureteropelvic juncture and multiple cystine calculi in the bladder in a boy of four years" (with F. C. Rodda). *Ibid.*, 23:451-58. 1930.

"Causes of death following treatment for the relief of prostatic obstruction." *Journal of Urology*, 35:343-50. March, 1931.

ROSCOE C. WEBB, B.A., M.D., D.N.B., F.A.C.S., Assistant Professor of Surgery

"Fracture of the neck of the femur in a nonagenarian." *Annals of Surgery*, 92:1112-14. December, 1930.

"Abscess of liver complicating acute appendicitis." *Journal-Lancet*, 51:1114-16. February 1, 1931.

"Hepatic abscess following acute appendicitis with recovery" (with Ernest R. Anderson). *Minnesota Medicine*, 14:155. February, 1931.

"Hyperthyroidism complicating diabetes mellitus." *Ibid.*, 14:546. June, 1931.

ARNOLD SCHWYZER, M.D., F.A.C.S., Professorial Lecturer on Surgery

"Carcinoma of stomach without recurrence after twenty-four years after operation." *Annals of Surgery*, 92:540-44. October, 1930.

"Surgery of the pharynx." *Transactions of Interstate Medical Association*, pp. 438-46. October 23, 1930.

"Spinal anesthesia with materially reduced dose of spinocain." *Minnesota Medicine*, 13:855-59. December, 1930.

ORWOOD J. CAMPBELL, B.S., M.D., Instructor in Surgery

"The early diagnosis and treatment of malignancy of the breast." *Minnesota Medicine*, 13:803-6. 1930.

RICHARD R. CRANMER, M.D., F.A.C.S., Instructor in Surgery

"Ovarian pregnancy." *Surgery, Gynecology and Obstetrics*, 52:98-101. 1931.

FREDERICK E. B. FOLEY, Ph.B., M.D., Instructor in Urology

"A new method for cystoscopic surgical treatment of ureterocele." *Urologic and Cutaneous Review*, 35:49-52. 1931.

L. HAYNES FOWLER, M.D., Instructor in Surgery

"Surgical anatomy of the thyroid gland with special reference to the relations of the recurrent laryngeal nerve." *Surgery, Gynecology and Obstetrics*, 49:59-65. July, 1929.

JAMES M. HAYES, M.D., M.S. in Surgery, F.A.C.S., Instructor in Surgery

"Modern treatment of varicose veins." *Minnesota Medicine*, 13:564. August, 1930.

"Medical organization" (editorial). *Journal-Lancet*, 51:154-55. February 15, 1931.

MYRON O. HENRY, M.D., F.A.C.S., Instructor in Surgery

"An analysis of 100 consecutive cases of back strain." *Minnesota Medicine*, 13:572.
1930.

"Permanent disabilities of the extremities" (with E. T. Evans). *Ibid.*, 14:171-74. 1931.

WILLIAM P. HERBST, M.D., M.S. in Surgery, Instructor in Urology

"A satisfactory method of obtaining prostatic and seminal vesicular secretions for bacterial staining." *Minnesota Medicine*, 14:184. February, 1931.

HAROLD E. HULLSIEK, M.D., Instructor in Surgery

"Fallacies in the treatment of rectal disease." *Journal-Lancet*, 50:267-70. June 15,
1930.

"Ambroise Paré." *Minnesota Medicine*, 13:648-51. September, 1930.

"Benign polypi of the colon and their relation to malignancy." *Journal of the Iowa State Medical Society*. Vol. 21, No. 6, pp. 279-84. June, 1931.

THOMAS J. KINSELLA, B.S., M.D., F.A.C.S., Instructor in Surgery

"Bilateral collapse of the lung in pulmonary tuberculosis." *Transactions of the Association of Resident and Ex-Resident Physicians of Mayo Clinic*, Vol. 10. 1929.

"Bilateral thoracoplasty: an experimental study upon the dog and the monkey." *Proceedings of the Society for Experimental Biology and Medicine*, 27:780-81. 1930.

"Selection of the patient with pulmonary tuberculosis for collapse therapy." *Journal-Lancet*, 51:29-34. January 15, 1931.

OSWALD S. WYATT, B.S., M.D., Instructor in Surgery

"Hypertrophic pyloric stenosis." *Minnesota Medicine*, 14:540-45. June, 1931.

SCHOOL OF NURSING

BARBARA A. THOMPSON, R.N., Assistant Professor of Nursing

"What weekly planned assignments mean to student nurses." *Modern Hospital*,
34:109-16. June, 1930.

PHOEBE GORDON, B.A., Instructor in Nursing

"Nursing costs." *American Journal of Nursing*, 30:1495-97. 1930.

"Student or graduate nurse service" (with Esther M. Thompson). *Ibid.*, 31:569-72.
May, 1931.

LUCILE PETRY, M.A., Instructor in Nursing and Supervisor of Clinical Instruction

"Problems in the use of the case study method." *American Journal of Nursing*, 31:
231-35. 1931.

ESTHER M. THOMPSON, R.N., M.A., Instructor in Nursing

"Student or graduate nurse service" (with Phoebe Gordon). *American Journal of Nursing*, 31:569-72. May, 1931.

UNIVERSITY HOSPITALS

PAUL H. FESLER, Superintendent, University Hospitals

- "The hospital—is it worth its cost?" *Hospital Management*, 27:56-58. 1929.
 "The economics of nursing service and education, from the standpoint of the hospital administration." *Hospital Progress*, 11:285-88. 1930.
 "Hospital rates." *Bulletin of the American Hospital Association*, 5:9-17. May, 1931.
 "Discussions." *Transactions of the American Hospital Association Meeting, New Orleans*, pp. 183-85, 187, 188, 479, 480, 499, 503, 504, 505, 506, 514, 520, 525-28, 664, 745-47. 1930.

GERTRUDE I. THOMAS, Instructor in Dietetics and Dietitian, University Hospital

- The Phantom Oarsman*. Minneapolis: Brown and Phelps. March 27, 1931. 44 pages.
Minnesota, All Hail (words for song). Minneapolis: Schmidt Publishing Company. October, 1931.

THE COLLEGE OF DENTISTRY

PROSTHETIC DENTISTRY

WILLIAM F. LASBY, B.S., D.D.S., F.A.C.D., Dean of the College of Dentistry and Professor of Prosthetic Dentistry and Orthodontia

- "Dental education." *Journal of the Minnesota State Dental Association*, 9:53-56. July, 1930; *Journal of the American Dental Association*, 17:1824-26. October, 1930.
 Editorial. *Journal of the Minnesota State Dental Association*, 10:21-22. April, 1931.

CARL O. FLAGSTAD, D.D.S., Professor of Prosthetic Dentistry

- "Practical denture service." *Minneapolis District Dental Journal*, 13:11-15. March, 1930.
 "Discussion of Dr. Hugh W. MacMillan's lecture." *Ibid.*, 14:14-17. June, 1931.

OSCAR A. WEISS, D.M.D., Professor of Prosthetic Dentistry and Orthodontia

- Discussion of H. W. MacMillan, *The Clinical Application of Uni-lateral, Balanced Occlusion to Prosthetic Dentistry in Minneapolis District Journal*, 14:9-11. March, 1931.

LEE A. HARKER, D.D.S., Assistant Professor of Oral Anatomy and Prosthetic Dentistry

- "Is there a field for dental hygienists today?" *Journal of the American Dental Hygienists Association*, 4:17-18. December, 1930.

CROWN AND BRIDGE WORK

PETER J. BREKHUS, B.A., D.D.S., Professor of Crown and Bridge Work and Oral Diagnosis

- Abstract of *Study of Dental Caries in 10,445 University Freshman Students in Journal of the American Dental Association*, 18:1350-56. 1931.

WILLIAM D. VEHE, D.D.S., Professor of Crown and Bridge Work and Operative Dentistry

- "Some basic principles underlying porcelain veneer crown technic." *Journal of the American Dental Association*, 17:2167-75. December, 1930.

"A consideration of fundamental principles in porcelain veneer crown procedure." *Pacific Coast Dental Conference Proceedings, Second Triennial Meeting, July 8, 1929*, pp. 134-42.

AMOS S. WELLS, D.D.S., Professor of Crown and Bridge Work

"Hygienic and aesthetic bridge work." *Minneapolis District Journal*, 14:15-16. June, 1931.

OPERATIVE DENTISTRY

HAROLD C. WITTICH, D.D.S., Instructor in Operative Dentistry

"Children's dentistry." *Journal of the Minnesota State Dental Association*, 9:99-103. October, 1930.

ORAL HYGIENE AND PATHOLOGY

CARL W. WALDRON, D.D.S., M.D., F.A.C.S., F.A.C.D., L.D.S., Professor of Oral Hygiene and Pathology and Oral Surgery

"Foods, fads, and dentistry." *Journal of the Minnesota State Dental Association*, 9:61-62. July, 1930.

"The classification of tumors of the jaws." *Proceedings of the Seventh Annual Meeting of the American Association of Dental Schools*, pp. 233-40. March, 1930.

"The rôle of preventive dentistry in the field of preventive medicine." *Ibid.*, pp. 299-303. March, 1930.

"Growth and tumors of the gums and gingivae" (with H. G. Worman). *Dental Survey*, Vol. 7, No. 1, pp. 29-34; No. 2, pp. 33-36. January, February, 1931.

"The relationship of the physician and the dentist." *Ibid.*, Vol. 7, No. 4, pp. 22-25; No. 5, pp. 45-48, 63; No. 6, pp. 31-34. April, May, June, 1931.

"Injuries of the mucous membrane, due to ill fitting dentures" (with H. G. Worman). *Ibid.*, 7:47-50. March, 1931.

"Cystic tumors of the jaws in children" (with H. G. Worman). *Ibid.*, 7:45-48. May, 1931.

"Cystic tumors of the mandible" (with H. G. Worman). *Ibid.*, 7:31-34. June, 1931.

HAROLD F. WAHLQUIST, B.S., D.D.S., M.D., Associate Professor of Oral Diagnosis and Oral Hygiene and Pathology

"Vincent's angina, a contagious disease." *Journal of the American Dental Hygienists Association*, 5:9-12. March, 1931.

HAROLD G. WORMAN, D.D.S., Instructor in Oral Hygiene and Pathology

"Seven varieties of pills." *Minneapolis District Dental Journal*, 14:23-26. 1931.

"Growths and tumors of the gums and gingivae" (with C. W. Waldron). *Dental Survey*, Vol. 7, No. 1, pp. 29-34; No. 2, pp. 33-36. January, February, 1931.

"Injuries of the mucous membrane, due to ill fitting dentures" (with C. W. Waldron). *Ibid.*, 7:47-50. March, 1931.

"Cystic tumors of the jaws in children" (with C. W. Waldron). *Ibid.*, 7:45-48. May, 1931.

ORAL SURGERY

HERMAN A. MAVES, D.D.S., F.A.C.D., Professor of Oral Surgery

"A future journey for Delta Sigma Delta during 1931." *Delta Sigma Delta Cosmos*, 37:20-23. February, 1931.

THE SCHOOL OF MINES AND METALLURGY

METALLOGRAPHY

RALPH L. DOWDELL, Ph.D., Professor of Metallography

- "Phases of the metastable iron-carbon constitution diagram." *Metals and Alloys*, 1:515-19. 1930.
- "Effects of deoxidation and mold conditions on the tensile properties of carbon steel castings" (with J. V. McCrae). *Transactions of the American Society for Steel Treating*, 18:159-211. 1930.
- "Preliminary studies on the effect of deoxidation and mold conditions on the tensile properties of carbon steel castings" (with J. V. McCrae). *Bureau of Standards Journal of Research*, 5:265-77. August, 1930.
- "Bearing bronzes with additions of zinc, phosphorus, nickel and antimony" (with E. M. Staples and C. E. Eggenschwiler). *Ibid.*, 5:349-64. August, 1930.
- "A study of the so-called 'over-reduced' condition in molten steel" (with J. V. McCrae and L. Jordan). *Ibid.*, 5:1123-49. 1930.
- "The tensile properties of alloy steels at elevated temperatures as determined by the 'short-time' method" (with W. Kahlbaum and W. A. Tucker). *Ibid.*, 6:199-218. 1931.

MINES EXPERIMENT STATION

JOHN J. CRAIG, E.M., Assistant Metallurgist

Mining Directory of Minnesota for 1930. University of Minnesota Bulletin, Vol. 34, No. 31. May 1, 1931. 227 pages.

THE COLLEGE OF PHARMACY

PHARMACEUTICAL CHEMISTRY

CHARLES H. ROGERS, Ph.D., D.Sc. in Phm., Professor of Pharmaceutical Chemistry

"Post-graduate study in the College of Pharmacy of the University of Minnesota." *Minnesota State Pharmaceutical Association Proceedings*, pp. 138-42. February, 1931.

CHARLES V. NETZ, Phm.C., M.S. in Phm., Instructor in Pharmaceutical Chemistry

"Report as field representative, Minnesota State Pharmaceutical Association, for 1930." *Minnesota State Pharmaceutical Association Proceedings*, pp. 61-70. February, 1931.

"Report of Research Committee for 1930." *Ibid.*, pp. 169-70. February, 1931.

Abstracts in *Yearbook of the American Pharmaceutical Association*, Vols. 16-17, pp. 25, 85, 106, 110, 213, 267. 1927-28.

PHARMACOGNOSY

EARL B. FISCHER, B.S. in Phm., Associate Professor of Pharmacognosy and Pharmaceutical Botany

- "Inorganic constituents of vegetable drugs" (with E. L. Newcomb). *Drug Trade Bureau of Public Information*, Bulletin No. 50. November 28, 1930.
- "Report of Committee on Drug Plant Culture." *Minnesota State Pharmaceutical Association Proceedings*, pp. 107-9. February, 1931.
- "The cultivation, collection and preparation of digitalis in the medicinal plant garden of the College of Pharmacy of the University of Minnesota" (with C. E. Smyithe). *Ibid.*, pp. 109-12. February, 1931.

CHARLES E. SMYTHE, Instructor in Pharmacognosy

"The cultivation, collection and preparation of digitalis in the medicinal plant garden of the College of Pharmacy of the University of Minnesota" (with E. B. Fischer). *Minnesota State Pharmaceutical Association Proceedings*, pp. 109-12. February, 1931.

PHARMACY

FREDERICK J. WULLING, Phm.D., LL.M., D.Sc. *causa honoris*, Dean of the College of Pharmacy, Professor of Pharmacology, and Director of University Medicinal Plant Gardens

- "A pharmacy week experiment." *Druggists Circular*, 74:40-62. October, 1930.
- "Pharmaceutical federation" (translation). *Apotheker-Zeitung*, 10:138. December, 1930.
- "Federation." *Northwestern Druggist*, 38:83-84. November, 1930.
- "Visits to prescription departments." *Ibid.*, 39:14, 139. March, 1931.
- "College of Pharmacy notes." *Ibid.*, 38:102. July, 38:87. November, 38:71-72. December, 1930; 39:84. January, 39:127. February, 39:95. April, 39:107. May, 1931; *Apotheker-Zeitung*. 50:65. July; 50:117. November, 1930.
- "Wulling advocates five-year course." *Minnesota Daily*, Vol. 32, No. 71, pp. 1, 3. February 4, 1931.
- "The chairman's address." *Minnesota State Pharmaceutical Association Proceedings*, pp. 87-88. February, 1931.
- "Report of Committee on College of Pharmacy" (with P. Vadheim). *Ibid.*, pp. 97-100. February, 1931.
- "Report of Committee on Education (queries and papers, etc.)" (with G. H. Countryman). *Ibid.*, pp. 104-7. February, 1931.
- "College of Pharmacy of the University of Minnesota, 1929-30 (historical)." *Ibid.*, pp. 153-65. February, 1931.
- "The needs of the College of Pharmacy of the University of Minnesota." *Ibid.*, pp. 170-75. February, 1931.
- "Garth's dispensary." *Ibid.*, pp. 178-94. February, 1931.
- "College of Pharmacy report for biennium 1928-1930." *Ibid.*, pp. 286-300. February, 1931.
- "Report of Committee on Professional Standards" (with V. Noreen). *Ibid.*, pp. 124-25. February, 1931; *American Pharmaceutical Journal*, 20:405. April, 1931.
- "The chairman's address—extracts." *Journal of the American Pharmaceutical Association*, 20:285. March, 1931.
- "An appreciation of William Arthur Frost." *Ibid.*, 19:1266. November, 1930; *Minnesota State Pharmaceutical Association Proceedings*, p. 96. February, 1931.
- "The College of Pharmacy." Page 50 in *Freshman Week*, University of Minnesota Bulletin, Vol. 34, No. 42. July 15, 1931.

GUSTAV BACHMAN, Phm.D., Professor of Pharmacy

- "A proposed method for quantitative analysis of liquor calcis sulphuratae" (with L. Jack). *Minnesota State Pharmaceutical Association Proceedings*, pp. 165-69. February, 1931.
- Editor, Proceedings of the Forty-seventh Annual Convention of the Minnesota State Pharmaceutical Association. 1931. 290 pages.

RUGNAR ALMIN, Phm.C., Instructor in Pharmacy

- "Report of Committee on Drug Adulterations." *Minnesota State Pharmaceutical Association Proceedings*, pp. 150-53. February, 1931.

LAURINE D. JACK, Phm.C., B.S. in Phm., Instructor in Pharmacy

- "A proposed method for the quantitative analysis of liquor calcis sulphuratae" (with G. Bachman). *Minnesota State Pharmaceutical Association Proceedings*, pp. 165-69. February, 1931.

DEL D. TURNER, Phm.C., Instructor in Pharmacy

"Disintegration of aspirin tablets." *Minnesota State Pharmaceutical Association Proceedings*, p. 178. February, 1931.

THE COLLEGE OF EDUCATION

ADMINISTRATION

MELVIN EVERETT HAGGERTY, Ph.D., Dean of the College of Education and Professor of Educational Psychology

Minnesota Reading Examination for College Students (with A. C. Eurich). Minneapolis: University of Minnesota Press. 1930. 10 pages.

Haggerty-Olson-Wickman Behavior Rating Schedules. Yonkers: World Book Company. 1930. 21 pages.

Minnesota Reading Examination for College Students—Manual of Directions (with A. C. Eurich). Minneapolis: University of Minnesota Press. 1931. 18 pages.

Collegiate Educational Research—the Report of the Committee on Educational Research for the Biennium 1928-30. University of Minnesota Bulletin, Vol. 34, No. 7. 1931. 147 pages.

"The improvement of college instruction through educational research" in *Proceedings of Higher Education*, Vol. II. Chicago: University of Chicago Press. 1930.

"Biennial report of the College of Education." Pages 95-104 in *Publications of the Faculties, 1928-30*. University of Minnesota Bulletin, Vol. 33, No. 43. 1930; Pages 329-43 in *The President's Report for the Years 1928-30*. *Ibid.*, Vol. 33, No. 50. 1930.

"The University College of Education as related to other divisions of the University." Chapter 9, pages 90-118 in A. C. Eurich, editor, *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.

"An address to the alumni." Chapter 22, pages 263-68 in A. C. Eurich, editor, *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.

"Report of the Committee on the Professorial Training of College Teachers." *North Central Association Quarterly*, 5:56-60. 1930.

"The improvement of college instruction through educational research." *Educational Record*, 12:43-70. January, 1931; *Bulletin of the American Association of University Professors*, 17:380-92. 1931.

"The peril in mass education." *Bulletin of the Association of American Colleges*, 17: 74-88. 1931.

ADMINISTRATION AND SUPERVISION

LEO J. BRUECKNER, Ph.D., Professor of Elementary Education

Diagnostic and Remedial Teaching of Arithmetic. Philadelphia: Winston. 1930. 341 pages.

Mathematics for Junior High Schools, Book I and Book II (with G. O. Bunting and C. J. Anderson) and *Book III* (with L. Farnamand and E. Woolsey). Philadelphia: Winston. 1931. Book I, 370 pages; Book II, 370 pages; and Book III, 456 pages.

Self Supervision for Teachers. Washington: Department of Elementary School Principals Bulletin. June, 1931. 10 pages.

"The organization of a remedial program in reading." Pages 155-63 in *Seventeenth Annual Schoolmen's Week Proceedings*. University of Pennsylvania School of Education Bulletin. 1930.

"Tools and techniques of diagnosis in arithmetic." Pages 174-82 in *Seventeenth Annual Schoolmen's Week Proceedings*. University of Pennsylvania School of Education Bulletin. 1930.

- "How the techniques of educational diagnosis have affected instruction in secondary schools." Pages 193-98 in *Seventeenth Annual Schoolmen's Week Proceedings*. University of Pennsylvania School of Education Bulletin. 1930.
- "Diagnosis of pupil difficulties in their school work." *Minnesota State Parent-Teachers Magazine*, pp. 17-19. November, 1930.
- "Enriching instruction in arithmetic." *League Scrip*, 11:13-14, 29-30. 1931.
- Review of G. Hildreth, *Psychological Service for School Problems in Elementary School Journal*, 31:471. February, 1931.
- Abstracts in *Record of Current Education Publications, Bulletin No. 3*. 1931. Nos. 1391, 1397, 1399, 1402, 1409.

HARL R. DOUGLASS, Ph.D., Professor of Secondary Education

- Objective Tests on "Modern Methods in High School Teaching."* New York: Houghton Mifflin Company. 1931. 32 pages.
- "Trends in secondary school organization." Chapter 5 in *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.
- "Research in secondary education." Chapter 16 in *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.
- "The contribution of research to secondary school curriculum construction." *School and Society*, 32:11-15. September, 1927.
- "The high school principal supervises." *Minnesota Journal of Education*, 9:101-2, 113. November, 1930.
- "Types and fields of curriculum research during 1929." *School Review*, 38:656-62. November, 1930.
- "A further note on the correctness of certain error formula." *Journal of Educational Psychology*, 21:621-24. November, 1930.
- "The current trend in the organization of teaching." *League Scrip*, 11:3-4, 26, 31. 1931.
- "Methods of student-teacher rating." *Educational Administration and Supervision*, 17:342-45. May, 1931.

FRED ENGELHARDT, Ph.D., Professor of Educational Administration

- Public School Organization and Administration*. Boston: Ginn and Company. 1931. 594 pages.
- Mathematics (Seventh School Year)* (with Mary L. Edwards). New York: D. Appleton and Company. 1931. 232 pages.
- Mathematics (Eighth School Year)* (with Mary L. Edwards). New York: D. Appleton and Company. 1931. 273 pages.
- Mathematics (Ninth School Year)* (with Mary L. Edwards). New York: D. Appleton and Company. 1931. 418 pages.
- "Changing practices in the administration of the teaching personnel." Pages 162-73 in *The Changing Educational World*. Minneapolis: The University of Minnesota Press. 1931.
- "Educating school administrators." Pages 279-83 in *The Changing Educational World*. Minneapolis: The University of Minnesota Press. 1931.
- "Growing cost of education." *League Scrip*, 10:5. 1930.
- "The administrative and fiscal control of state universities and colleges." *Proceedings of the Association of Governing Boards of State Universities and Allied Institutions*, pp. 90-98. 1930.
- "Differentiation in classroom teaching." *Educational Administration and Supervision*, 16:321. 1930.
- "Determining the plan of organization for a local school system." *School Executives Magazine*, 50:75. 1930.
- "The future school district." *American School Board Journal*, 81:51. 1930.
- "Selecting the superintendent." *Ibid.*, 82:37. 1931.
- "Securing and holding the job." *Minnesota Mentor*, 5:5. 1931.

WESLEY E. PEIK, Ph.D., Assistant Professor of Education

The Training of Teachers in North Dakota (reprint). Bismarck, North Dakota: Department of Education, State of North Dakota. 1931. 74 pages.

Recitation Analysis and Survey: Check Sheet and Manual. Minneapolis: Educational Test Bureau. 1931. 12 pages.

"Twenty-five years of development in elementary education." Pages 238-44 in *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.

INGOLF O. FRISWOLD, M.A., Instructor in Education

"A selected and annotated bibliography on public school publicity." *League Scrip*, 11: 13-16, 36-38. December, 1930.

"Maladjustments in school administration." *American School Board Journal*, 82:45-46, 128-33. February, 1931.

"Research with a purpose." *Minnesota Journal of Education*, 11:313-15. 1931.

JOHN ERLE GRINNELL, M.A., Assistant in Secondary Education

Abstracts of Masters' and Doctors' Theses in Education, University of Minnesota (with J. G. Umstattd). Eta Chapter of Phi Delta Kappa: University of Minnesota Educational Research Bulletin No. 1, July 1, 1928 to July 1, 1929. 27 pages; No. 2, July 1, 1929 to July 1, 1930. 35 pages.

Schoolmen's Week for 1931 (with J. G. Umstattd). Eta Chapter of Phi Delta Kappa: University of Minnesota Educational Research Bulletin No. 3. 1931.

"Methods of securing a vital school information service for patrons." *School Review*, 38:456-61. June, 1930.

"A race that taught English literature." *English Journal*, 19:463-70. June, 1930.

"Writing school news." *League Scrip*, 11:9-10, 25. December, 1930.

"Securing adequate training for junior high school teachers." *Educational Administration and Supervision*, 17:279-86. April, 1931.

AGRICULTURAL EDUCATION

ASHLEY V. STORM, Ph.D., Professor of Agricultural Education

"Kary Cadmus Davis—man of action." *Peabody Reflector*, 4:83-86. 1931.

ALBERT M. FIELD, Ph.D., Associate Professor of Agricultural Education

Comparative Placing Guides for Judging Livestock (with V. E. Nylin). St. Paul: Webb Publishing Company. 8 pages.

"Who are the future farmers of America?" *Gopher Countryman*, 8:5-16. 1931.

"The radio in education." *Visitor*, Vol. 18, No. 5. 1931.

"Education for farming and farm life." *Ibid.*, Vol. 18, No. 6. 1931.

"The demonstration as a factor in learning and teaching." *Ibid.*, Vol. 18, No. 8. 1931.

"Agriculture in high schools." *Farmer and Farm, Stock, and Home*, 49:7. 1931.

Editor

Visitor, 1930-31.

Special Methods Department, *Agricultural Education Magazine*, 1931.

Self-evaluation guide for teachers of agriculture.

Evaluation guide for rating team demonstrations.

Numerous news items in *Visitor* and the press on various phases of the program for instruction in agriculture.

VICTOR E. NYLIN, M.S., Instructor in Agricultural Education

"Analytic index of the United States Department of Agriculture yearbook for 1930." *Visitor*, 18:1-6. September, 1930.

"The use of the tabulating machine in livestock judging contests." *Ibid.*, 18:1, 2. December, 1930.

EDUCATIONAL PSYCHOLOGY

WILFORD S. MILLER, Ph.D., Professor of Educational Psychology

"Young bright children in senior high school." *School Review*, 39:69-71. 1931.

HERBERT A. CARROLL, Ph.D., Assistant Professor of Educational Psychology

Generalization of Bright and Dull Children (Contributions to Education, No. 439). New York: Bureau of Publications, Teachers College, Columbia University. 1930. 62 pages. *Journal of Educational Psychology*, 21:489-99. October, 1930.

"Spelling and the gifted child." *Minnesota Journal of Education*, 11:174-76. January, 1931.

"The effect of intelligence upon phonetic generalization." *Journal of Applied Psychology*, 15:168-81. April, 1931.

Review of N. D. M. Hirsch, *Twins* in *Journal of Educational Psychology*, 21:633-34. November, 1930.

ALVIN C. EURICH, Ph.D., Assistant Professor of Educational Psychology and Assistant Director, Educational Research

Minnesota Reading Examination for College Students (with M. E. Haggerty). Minneapolis: University of Minnesota Press. 1930. 10 pages.

Examiner's Manual for the Minnesota Reading Examination for College Students (with M. E. Haggerty). Minneapolis: University of Minnesota Press. 1930. 18 pages.

"An analysis of self-ratings on studiousness traits." *Journal of Applied Psychology*, 14:577-91. 1930.

"The relation of speed of reading to comprehension." *School and Society*, 32:404-6. 1930.

"Four types of examinations compared and evaluated." *Journal of Educational Psychology*, 22:268-78. 1931.

Reviews of

Carl Murchison, *The Foundations of Experimental Psychology* in *Journal of Educational Research*, 22:146-48. 1930.

G. B. Watson and Ralph Spence, *Educational Problems for Psychological Study* in *School Review*, 38:787-88. 1930.

R. A. Davis, *Mentality of Orphans* in *Elementary School Journal*, 31:629-31. 1931.

Editor and collaborator, *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931. 311 pages.

HERBERT E. CHAMBERLAIN, B.A., M.D., Professorial Lecturer on Education

"School clinics." Reprint for *First International Congress on Mental Hygiene*, May 9, Session A, 1930.

"Child guidance clinic." *League Scrip*, 11:41-42. 1930.

"Scientific child study as a basis for educational systems." *Boletín del Instituto Interamericano de Protección a la Infancia*, 4:666-75. 1931.

"Meeting the specific needs of individual children." *Bulletin of the Department of Elementary School Principals*, 10:659-64. 1931.

JOHN M. JACOBSEN, M.A., Instructor in Education

"Transfer of training?" *Minnesota Journal of Education*, 11:141-43. 1930.

"Athletics and scholarship in the high school." *School Review*, 39:280-87. 1931.

PHILLIP J. RULON, M.A., Instructor in Educational Psychology

"Report of a high school personnel department" (with R. Smith). *Journal of Educational Research*, 22:375-80. 1930.

GENERAL EDUCATION

PALMER O. JOHNSON, Ph.D., Assistant Professor of Education

"Students of land-grant colleges—an evaluation of the land-grant institutions in terms of their end products—their graduates." *Journal of Higher Education*, 2:239-46. May, 1931.

"Elementary botany as a prerequisite to sequent courses." *Science Education*, 15:201-15. May, 1931.

Reviews of

John M. Presson, *Achievement Tests in Biology for Secondary School Use in School Review*, 39:231-33. 1931.

William S. Gray, *The Training of College Teachers* in *ibid.*, 39:470-72. June, 1931.

HISTORY AND PHILOSOPHY OF EDUCATION

JEAN H. ALEXANDER, M.A., Instructor in Education

"Chronological outline of the development of public education in Minnesota." Pages 245-59 in A. C. Eurich, editor, *The Changing Educational World*. Minneapolis: University of Minnesota Press. 1931.

HOME ECONOMICS EDUCATION

CLARA M. BROWN, M.A., Associate Professor of Home Economics

"New type examinations." *Home Economics News*, 2:14. 1931.

ELLA J. ROSE, M.S., Assistant Professor of Home Economics Education

"The coordination of the special methods course in home economics with the experience in observation and teaching." *Journal of Home Economics*, 23: 445-47. June, 1931.

Editor, *Minnesota Home Economics Association Newsletter*, 1930-31.

THEORY AND PRACTICE OF TEACHING

REWY BELLE INGLIS, M.A., Assistant Professor of Education

Adventures in English Literature (with H. C. Schweikert, Alice Cooper, Marion Sturdevant, and W. R. Benét). New York: Harcourt, Brace. 1931. 1133 pages.

Literature Tests. New York: Harcourt, Brace. 71 pages.

Gamma form of English essentials tests.

DORA V. SMITH, Ph.D., Assistant Professor of Education

Class Size in High School English: Methods and Results. Minneapolis: University of Minnesota Press. 1931. 309 pages.

"Problems of class size and the efficiency of instruction in English." *English Journal*, 19:724-36. November, 1930.

"Experiments in handling larger classes." *Ibid.*, 20:371-78. May, 1931.

"Suggested content for the course in children's literature." *Elementary English Review*, 8:127-33. June, 1931.

CLAUDE NEWTON STOKES, Ph.D., Assistant Professor of Education

A Comparative Study of the Results of a Certain Individual Method and a Certain Group Method of Instruction in Ninth Grade Mathematics. New York: Henry Holt and Company. 1930. 105 pages.

"Building tests in junior high school mathematics." *Mathematics Teacher*, 23:403-12. November, 1930.

JAMES G. UMSTATTD, Ph.D., Assistant Professor of Education

- Abstracts of Masters' and Doctors' Theses in Education, University of Minnesota* (with J. E. Grinnell). Eta Chapter of Phi Delta Kappa. University of Minnesota Educational Research Bulletin No. 1, July 1, 1928 to July 1, 1929. 27 pages; No. 2, July 1, 1929 to July 1, 1930. 35 pages.
- Schoolmen's Week for 1931* (with J. E. Grinnell). Eta Chapter of Phi Delta Kappa: University of Minnesota Educational Research Bulletin No. 3. 1931.
- "Requirements for Graduate School degrees for students in education, University of Minnesota." Chapter 12 in *National Society of College Teachers of Education Yearbook*, No. 19, 1931.
- "Research studies in placement." *Minnesota Journal of Education*, 11:253-55, 262-63. March, 1931.
- "Student self-support at Minnesota." *Minnesota Mentor*, 5:9-11, 27-29. 1931.
- "Placement problems of seniors and alumni." *Ibid.*, 5:12-13, 18. 1931.
- "Alumni placements in 1930." *Minnesota Alumni Weekly*, May 16, 1931.

TRADE AND INDUSTRIAL EDUCATION

HOMER J. SMITH, Ph.D., Professor of Industrial Education

- "Industrial arts and trade training." Pages 67-71 in John J. Metz, editor, *Bruce's School Shop Annual*. Milwaukee: Bruce Publishing Company. 1931.
- "Exetasis (the research precept)." Pages 11-12 in William E. Warner, editor, *Epsilon Pi Tau Review*. 1931.
- "Bibliography on testing: a list of tests and scales and periodical references" (with DeWitt Hunt). Pages 74-87 in *Epsilon Pi Tau Review*. 1931.
- "Vocational education in the secondary schools." (Current Comment Series.) *Industrial Arts and Vocational Education*, 20:177. May, 1931.
- "The methods of training evening school teachers in small communities." Committee Report. Fourteenth Annual Report—Regional Conference on Trade and Industrial Education. St. Louis, 1931. *Federal Board for Vocational Education Miscellaneous Bulletin*, 12:64-66. 1931.
- Reviews of
 Howard C. Hill, *Readings in Vocational Life in School Review*, 39:77-78. January, 1931.
 Robert W. Selvidge and Verne C. Fryk'lund, *Principles of Trade and Industrial Teaching* in *ibid.*, 39:310-11. April, 1931.
 Emanuel E. Ericson, *Teaching Problems in Industrial Arts* in *ibid.*, 39:312-13. April, 1931.

RALPH T. CRAIGO, B.S., Instructor in Trade and Industrial Education

- "Vocational guidance connected with training." *Industrial Arts and Vocational Education*, 20:75-77. March, 1931.
- Articles on "After high school what?"; "Information about Dunwoody Industrial Institute for teachers and parents"; "Facts about Dunwoody Institute"; "Trade or industrial training offered at Dunwoody Institute."

THE UNIVERSITY HIGH SCHOOL

CHARLES WILLIS BOARDMAN, Ph.D., Principal of the University High School and Associate Professor of Education

- "An analysis of pupil ratings of high school teachers." *Educational Administration and Supervision*, 16:440-46. 1930.
- Review of Jerry J. Vineyard and Charles F. Poole, *Student Participation in School Government in School Review*, 39:394. 1931.

EDGAR BRUCE WESLEY, Ph.D., Assistant Professor of Education and Head of Social Science Department, University High School

Workbook to Accompany Hayes and Moon's Ancient and Medieval History (with I. O. Foster). New York: Macmillan. 1930. 143 pages.

Manual to Accompany "American History" (with Thomas M. Marshall). New York: Macmillan. 1930. 113 pages.

"Workbooks in the social studies." *Historical Outlook*, 22:151-53. 1931.

"Recent developments in the social studies." *Minnesota Education Association Journal*, 11:360-61. May, 1931.

Reviews of

Theodore Maynard, *DeSoto and the Conquistadores in Mid-America*, 13:82-83. 1930.

George D. Lyman, *John Marsh, Pioneer: the Story of a Trailblazer on Six Frontiers* in *Historical Outlook*, 22:176. 1931.

Thirteen textbooks in the social studies in *ibid.*, 22:32-34. 1931.

Eight workbooks in history in *ibid.*, 22:236. 1931.

Grant Foreman, *Indians and Pioneers: the Story of the American Southwest Before 1830 in Mid-America*, 13:359-61. April, 1931.

G. D. Brewerton, *Overland with Kit Carson* in *Mississippi Valley Historical Review*, 18:131-32. June, 1931.

Three mimeographed tests for use in the American Historical Association's investigation of the social studies.

OLIVER R. FLOYD, M.A., Instructor in Education and Principal of the University High School

Review of Elene Michell, *Teaching Values in New-Type History Tests* in *School Review*, 39:73-74. January, 1931.

VERNE C. FRYKLUND, M.A., Instructor in Industrial Education

Principles of Trade and Industrial Education (with Robert W. Selvidge). Peoria, Illinois: Manual Arts Press. 1930. 420 pages.

"Purposes of testing." Pages 27-28 in W. E. Warner, editor, *Epsilon Pi Tau Review*, 1931.

"The place of reasoning in the shop." *Industrial Education Magazine*, 32:223-26. 1931.

"The plan of procedure." *Industrial Arts and Vocational Education*, 20:77-80. 1931.

Review of W. E. Roberts, *Woodwork in the Junior High School* in *School Review*, 39:233. 1931.

Instruction sheets monthly since September, 1930 for *Popular Homecraft Magazine*.

LESLIE N. GARLOUGH, Ph.D., Instructor in Biology

"A comparison of temperatures in widely different environments of the same climatic area" (with Royal N. Chapman, Robert Wall, and Carl T. Schmidt). *Ecology*, 12:305-22. 1931.

Mimeographed syllabus and topical tests in general biology, for class use.

MARY S. GOLD, M.A., Instructor in History

"Teacher or optimist—a reply." *School and Society*, 32:94. July, 1930.

"Preliminary criticism for student teachers in history." *Educational Administration and Supervision*, 16:631. 1930.

S. E. TORSTEN LUND, M.A., Instructor in Education

"The personal interview in high school guidance." *School Review*, 39:196-207. March, 1931.

ELEANOR P. MARLOWE, M.A., Instructor in Latin

A Vergil Test. New York: New York University Service Bureau for Classical Teachers. 1931. 5 pages.

"Games for Vergil students." *Classical Journal*, 26:641-43. 1931.
Review of Ullman, Henry, and White, *Third Latin Book* in *Classical Journal*, 26:463-66.
1931.

RANDOLPH B. SMITH, M.A., Instructor in Education

"Report of a high school personnel department" (with P. J. Rulon). *Journal of Educational Research*, 22:375-80. 1930.

MYRTLE VIOLET SUNDEEN, M.A., Instructor in Special Methods and Critic Teacher

Tartarin de Tarascon. New York: American Book Company. 1931. 290 pages.

Review of Friedman, Arjona, and Carvajal, *Spanish Book One* in *School Review*, 39:315-16. April, 1931.

LUCY MARY WILL, M.A., Instructor, Critic Teacher, and Supervisor of German

"Annual meeting of the Association of Modern Language Teachers of Central West and South." Pages 115-18 in Max Griebisch, editor, *Monatshefte für deutschen Unterricht*. University of Wisconsin. April, 1931.

"In Germany with a student tour." *Minnesota Mentor*, 5:15. 1930.

"Purin word list officially adopted." *Modern Language Journal*, 15:160-61. May, 1931.

"A grammar lesson with review and drill." *Ibid.*, 15:365-69. May, 1931.

"Training for reading." *German Quarterly*, 4:425-31. May, 1931.

THE GRADUATE SCHOOL—MAYO FOUNDATION ADMINISTRATION

GUY STANTON FORD, Ph.D., LL.D., Dean of the Graduate School and Professor of History

"The mental, social and historical sciences." Pages 95-105 in reprint *Trends in Graduate Work*. University of Iowa Studies No. 194. 1931.

"Professional education at the graduate level." *Journal of the Proceedings and Addresses of the Thirty-Second Annual Conference of the Association of American Universities*, pp. 101-11. 1930.

"The good and bad in American education." *Current History*, 34:527-33. 1931.

Reviews of

F. M. Kircheisen, *Furstenbriefe an Napoleon I* in *Journal of Modern History*, 2:671-72. December, 1930.

W. H. Allison and others, *Guide to Historical Literature* in *ibid.*, 2:718, 722. 1931.

Karl Griewank, *Briefwechsel der Königin Luise* in *American Historical Review*, 36:383-85. January, 1931.

BACTERIOLOGY AND IMMUNOLOGY

EDWARD CARL ROSENOW, M.D., Professor of Experimental Bacteriology

"Serum treatment of chronic ulcerative colitis" (with J. A. Bargen and G. F. C. Fasting). *Archives of Internal Medicine*, 46:1039-47. 1930.

"Focal infection and elective localization." *International Clinics*, 2:29-64. 1930.

"Herding infection und elektive Lokalisation." *Verhandlungen der deutschen Gesellschaft für innere Medizin*, 42:408-38. 1930.

"Elective localization of streptococci." *Dental Record*, 50:349-51. 1930.

"The relation of streptococci to the filterable virus of epizootic encephalitis of the fox." *Journal of Infectious Diseases*, 48:304-34. 1931.

"Zusammenfassung der Forschungsergebnisse über Fokalinfektion und elektive Lokalisation." *Medizinische Klinik*, 27:325-26. 1931.

GEORGE MARSH HIGGINS, Ph.D., Assistant Professor of Experimental Biology

- "The absorption and transference of particulate material by the great omentum" (with C. G. Bain). *Surgery, Gynecology, and Obstetrics*, 50:851-60. 1930.
- "Phrenic neurectomy and peritoneal absorption" (with M. G. Beaver and W. S. Lemon). *American Journal of Anatomy*, 45:137-57. 1930.
- "The emptying of the gallbladder following restoration from acute experimental cholecystitis" (with G. T. Murphy). *Archives of Surgery*, 20:756-61. 1930.
- "Effects of selective solar energy, with and without supplementary irradiation, on growth of chicks and development of parathyroid glands. *Proceedings of Staff Meeting of Mayo Clinic*, 5:61. March 5, 1930.
- "The influence of irradiation by air-cooled quartz-mercury arcs on the incubation of eggs" (with C. Sheard). *Journal of Experimental Zoology*, 57:205-22. 1930.
- "The growth and development of chicks as influenced by irradiation of long visible and ultra-violet wave lengths, respectively, with and without supplementary irradiation of various types" (with W. I. Foster and C. Sheard). *American Journal of Physiology*, 94:84-90. 1930.
- "Further investigations on the effects of radiant energy on the development of the parathyroid glands of chicks" (with W. I. Foster and C. Sheard). *Ibid.*, 94:91-100. 1930.
- "Absorption from the pleural cavity of dogs. I. The cytologic aspect (with W. S. Lemon). *American Journal of the Medical Sciences*, 181:697-710. 1931.

LLOYD B. JENSEN, Ph.D., Assistant Professor of Bacteriology

- "Elective localization and cataphoretic potential of streptococci" (with E. C. Rosenow). *Proceedings of the Society for Experimental Biology and Medicine*, 27:442-44. 1930

LUTHER THOMPSON, Ph.D., Assistant Professor of Bacteriology

- "An organism isolated from two cases of 'hairy tongue'" (with H. Montgomery). *Journal of the American Medical Association*, 93:114. 1929.
- "The use of potato-extract broth in growing diplococcus pneumoniae for typing" (with N. Larson). *Journal of Bacteriology*, 19:33. 1930.

HIRAM ELI ESSEX, Ph.D., Instructor in Experimental Biology

- "Pseudomonas pyocanea a significant factor in the disease of chickens" (with F. D. McKenney and F. C. Mann). *Journal of the American Veterinary Medical Association*, 77:174-81. 1930.
- "The physiologic action of the venom of the honeybee (*Apis mellifera*)" (with J. Markowitz and F. C. Mann). *American Journal of Physiology*, 94:209-14. 1930.
- "The physiologic action of rattlesnake venom (crotalin). IX. Activity of protein fractions of crotalin" (with F. C. Mann and J. Markowitz). *Ibid.*, 97:22-25. 1931;
- "X. Influence of crotalin on the viscosity of blood" (with E. J. Blades and J. Markowitz). *Ibid.*, 97:26-31. 1931.
- "Studies on immunity to rattlesnake venom (crotalin)" (with F. C. Mann and J. Markowitz). *Ibid.*, 97:180-99. 1931.
- "Effect of rattlesnake venom on Flexner-Jobling's carcinoma in the white rat (*Mus norvegicus Albinus*)" (with J. T. Priestley). *Proceedings of the Society for Experimental Biology and Medicine*, 28:550-51. 1931.

BIOPHYSICS

CHARLES SHEARD, Ph.D., Professor of Physics

- "The influence of irradiation by air-cooled quartz-mercury arcs on the incubation of eggs" (with G. M. Higgins). *Journal of Experimental Zoology*, 57:205-22. 1930.
- "Effects of ultraviolet, visible and infrared irradiation on tissue, with a special reference to the parathyroid glands and calcium metabolism." *Journal of the American Dental Association*, 17:2189-98. 1930.

- "The growth and development of chicks as influenced by irradiation of long visible and ultra-violet wave lengths, respectively, with and without supplementary irradiation of various types" (with G. M. Higgins and W. I. Foster). *American Journal of Physiology*, 94:84-90. 1930.
- "Further investigations on the effects of radiant energy on the development of the parathyroid glands of chicks" (with G. M. Higgins and W. I. Foster). *Ibid.*, 94: 91-100. 1930.
- "Ultra-violet spectrophotometry: apparatus and experimental methods" (with G. E. Davis). *Journal of the Optical Society of America*, 21:47-58. 1931.
- "The relationship between electrical differences of potential in the skin and normal basal metabolism" (with Charlotte Purdy and A. Johnson). *Science*, 73:46-49. 1931.
- "The electromotive thermometer. An instrument and a method for measuring intramural, intravenous, superficial and cavity temperatures." *American Journal of Clinical Pathology*, 1:209-26. 1931.

EDWARD JAMES BALDES, Ph.D., Assistant Professor of Physics

- "The physiologic action of rattlesnake venom (crotalin). X. Influence of crotalin on the viscosity of blood" (with H. E. Essex and J. Markowitz). *American Journal of Physiology*, 97:26-31. 1931.

JOHN MOUK ORT, B.C.E., Ph.D., Assistant Professor of Physics

- "Active glucose" (with C. E. Clifton). *Journal of Physiological Chemistry*, 34:853-62. 1930.
- "Hydrion concentration and edema in perfused hearts of rabbits" (with J. Markowitz). *American Journal of Physiology*, 94:60-64. 1930.
- "Osmotic pressure, bound water and edema in perfused hearts" (with J. Markowitz). *Ibid.*, 96:541-46. 1931.

MEDICINE

PAUL ARTHUR O'LEARY, M.D., Professor of Dermatology

- "Pigmentation of the skin in Addison's disease, *acanthosis nigricans* and *hemochromatosis*" (with H. Montgomery). *Archives of Dermatology and Syphilology*, 21:970-84. 1930.
- "Pyoderma (*echthyma*) gangrenosum: clinical and experimental observations in five cases occurring in adults" (with L. A. Brunsting and W. H. Goeckerman). *Ibid.*, 22:655-80. 1930.
- "A clinical study of one hundred and three cases of scleroderma" (with R. Nomland). *American Journal of Medical Sciences*, 180:95-112. 1930.
- "Diagnostic and physiologic studies in certain forms of scleroderma" (with A. W. Adson and G. E. Brown). *Annals of Internal Medicine*, 4:531-54. 1930.
- "Surgical treatment of vasospastic types of scleroderma by resection of sympathetic ganglia and trunks" (with A. W. Adson and G. E. Brown). *Ibid.*, 4:555-68. 1930.
- "Typhoid vaccine in the treatment of neurosyphilis." *Medical Clinics of North America*, 14:639-44. 1930.
- "Further observations on the treatment of acute syphilis with bismuth arsphenamine sulphionate (bismarsen)" (with L. A. Brunsting). *New York State Journal of Medicine*, 30:1223-27. 1930.
- "Gastric syphilis: data accumulated from eighty-nine cases." *American Journal of Surgery*, 11:286-93. 1931.
- "Observation on the treatment of syphilis of the liver." *Journal of the American Medical Association*, 96:183-87. 1931.
- "Pellagra secondary to benign and carcinomatous lesions and dysfunction of the gastrointestinal tract: report of thirteen cases" (with G. B. Eusterman). *Archives of Internal Medicine*, 47:633-49. 1931.

LEONARD GEORGE ROWNTREE, M.D., D.Sc., Professor of Medicine

- "Bilateral lumbar and thoracic sympathetic ganglionectomy and ramisectomy for polyarthritis of the lower end of the upper extremities" (with A. W. Adson). *Transactions of the Association of American Physicians*, 44:221-30. 1929.
- "Arthritis." *Interstate Postgraduate Medical Assembly of North America*, pp. 17-25. 1929.
- "Results of resection of sympathetic ganglia and trunks in seventeen cases of chronic 'infectious' arthritis" (with A. W. Adson and P. S. Hench). *Annals of Internal Medicine*, 4:447-54. 1930; *Transactions of the Association of American Physicians*, 45:226-39. 1930.
- "Certain clinical and terminal pictures in hepatic disease." *Medical Clinics of North America*, 13:1399-15. 1930.
- "Further results of sympathetic ganglionectomy and ramisectomy in chronic infectious arthritis" (with A. W. Adson and J. G. Mayo). *Ibid.*, 13:1529-32. 1930.
- "The treatment of chronic 'infectious' arthritis by sympathetic ganglionectomy and trunk resection" (with P. S. Hench, M. S. Henderson, and A. W. Adson). *Journal of Laboratory and Clinical Medicine*, 15:1247-56. 1930.
- "The treatment of patients with Addison's disease with the 'cortical hormone' of Swingle and Pfiffner" (with C. H. Greene). *Science*, 72:482-83. 1930.
- "Poisoning from cinchophen" (editorial). *Minnesota Medicine*, 13:331-32. 1930.
- "Changes in the tissues following the administration of excessive quantities of water" (with C. H. Greene). *Journal of Clinical Investigation*, 9:6-7. 1930.
- "The treatment of patients with Addison's disease with the extract of the suprarenal cortex prepared by Swingle and Pfiffner" (with C. H. Greene). *Ibid.*, 10:166-67. 1931.
- "Observations on the clinical course and effects of treatment in 112 cases of portal cirrhosis with ascites" (with C. B. Chapman and A. M. Snell). *Ibid.*, 10:172-73. 1931.
- "Addison's disease: experiences in treatment with various suprarenal preparations" (with C. H. Greene, W. W. Swingle, and J. J. Pfiffner). *Journal of the American Medical Association*, 96:231-35. 1931.
- "Renal function after bilateral denervation of the kidney in normal dogs" (with J. M. Caldwell and H. Marx). *Journal of Urology*, 25:351-66. 1931.
- "The association of diabetes insipidus and diabetes mellitus" (with F. N. Allan). *Endocrinology*, 15:97-106. 1931.

WALTER CLEMENT ALVAREZ, M.D., Associate Professor of Medicine

- "The influence of sex on the incidence of gastro-intestinal disease" (with K. Hosoi). *Human Biology*, 2:63-98. 1930.
- "The age and sex distributions of patients at the Mayo Clinic" (with H. Ascanio). *Ibid.*, 2:185-98. 1930.
- "Blood pressure in 6,255 prisoners and 442 prison guards: a statistical analysis" (with L. L. Stanley). *Archives of Internal Medicine*, 46:17-39. 1930.
- "Digestion: efficiency with various foods and under various conditions" (with J. H. Childrey and F. C. Mann). *Ibid.*, 46:361-74. 1930.
- "Mesenteric lymphadenitis in adults, a cause of pseudo-appendicitis, indigestion, diarrhea, and arthritis." *Medical Clinics of North America*, 14:605-17. 1930.
- "Gastro-intestinal troubles that now go undiagnosed." *Annals of Internal Medicine*, 4:39-53. 1930.
- "Conduction in different parts of the small intestine. I. Distance traversed by a disturbance and rate of travel" (with K. Hosoi). *American Journal of Physiology*, 94:448-58. 1930.
- "How waves go down the bowel." *American Journal of Surgery*, 10:444-47. 1930.
- "Indigestion which is best treated medically." *Southern Medical Journal*, 24:9-13. 1930.
- "Discounting some common food fallacies." *Everybody's Health*, 15:28. 1930.
- "The art of medicine." *Minnesota Medicine*, 14:227-32. 1931.
- "Opinions of 470 physicians in regard to the advantages and disadvantages of using bran and roughage." *Ibid.*, 14:296-300. 1931.

"Puzzling types of indigestion." *Journal of the Tennessee State Medical Association*, 23:330-39. 1930; *New Orleans Medical and Surgical Journal*, 83:515-29. 1931.

WALTER MEREDITH BOOTHBY, M.A., M.D., Associate Professor of Medicine

"Postoperative parathyroid insufficiency" (with S. F. Haines and J. deJ. Pemberton). *American Journal of the Medical Sciences*, 181:81-96. 1931.

"Metabolic studies during pregnancy and menstruation" (with Irene Sandiford and Theodore Wheeler). *American Journal of Physiology*, 96:191-202. 1931.

"The danger of overdosage with parathormone." *Journal of Clinical Investigation*, 10:176. 1931.

"Stoffwechselanalysen am Gesunden unter verschiedenen Bedingungen" (with H. Bernhardt). *Zeitschrift für klinische Medicine*, 116:219-40. 1931.

GEORGE ELGIE BROWN, M.D., Associate Professor of Medicine

"Physiologic effects of thoracic and lumbar sympathetic ganglionectomy or trunk-section" (with A. W. Adson). Chapter 33, pages 721-65 in *Association for Research in Nervous and Mental Disease, Vol. IX. The Vegetative Nervous System*. Baltimore: Williams and Wilkins Company. 1930.

"The systolic blood pressure in cases of duodenal and gastric ulcer (a statistical study)" (with H. H. Hartman). *Archives of Internal Medicine*, 44:843-55. 1929.

"The blood in lipid nephrosis; with special reference to the absence of anemia" (with D. L. Wilbur). *Ibid.*, 45:611-23. 1930.

"Peripheral arterial disease in polycythemia vera (with H. Z. Giffin). *Ibid.*, 46:705-17. 1930.

"Thoracic and lumbar sympathetic ganglionectomy in peripheral vascular diseases: therapeutic value" (with A. W. Adson). *Journal of the American Medical Association*, 94:250-53. 1930.

"Observations on the surface capillaries in man following cervicothoracic sympathetic ganglionectomy." *Journal of Clinical Investigation*, 9:115-37. 1930.

"Daily and monthly rhythm in the blood pressure of a man with hypertension: a three-year study." *Annals of Internal Medicine*, 3:1177-89. 1930.

"Hourly rhythms in blood pressure in persons with normal and elevated pressures" (with S. C. Mueller). *Ibid.*, 3:1190-1200. 1930.

"Diagnostic and physiologic studies in certain forms of scleroderma" (with A. W. Adson and P. A. O'Leary). *Ibid.*, 4:531-54. 1930.

"Surgical treatment of vasospastic types of scleroderma by resection of sympathetic ganglia and trunks" (with A. W. Adson and P. A. O'Leary). *Ibid.*, 4:555-68. 1930.

LOUIS A. BUIE, M.D., Associate Professor of Medicine

"A description of the arterial blood supply of the pelvic colon" (with C. E. Pope). *Transactions of the American Proctological Society*, pp. 78-100. 1929.

GEORGE BYSSCHE EUSTERMAN, M.D., Associate Professor of Medicine

"Pellagra following operation for gastric ulcer; the significance of analysis of gastric content in the diagnosis of carcinoma of the stomach." *Medical Clinics of North America*, 14:553-63. 1930.

"Peptic ulcer at the juncture of the esophagus and cardia; and ulceration of the esophagus" (with J. D. Camp and H. J. Moersch). *Ibid.*, 14:565-71. 1930.

"Carcinoma of the prostate gland with early extensive metastasis to the cervical, axillary, and inguinal lymph nodes" (with S. F. Adams). *Ibid.*, 14:573-74. 1930.

"Gastric syphilis: observations based on ninety-three cases." *Journal of the American Medical Association*, 96:173-79. 1931.

"Pellagra secondary to benign and carcinomatous lesions and dysfunction of the gastrointestinal tract: report of thirteen cases" (with P. A. O'Leary). *Archives of Internal Medicine*, 47:633-49. 1931.

HERBERT ZIEGLER GIFFIN, B.S., M.D., Associate Professor of Medicine

- "Chronic ulcerative colitis associated with splenomegaly" (with J. A. Barga:n). *Medical Clinics of North America*, 13:1451-54. 1930.
- "Further observations on chronic ulcerative colitis associated with splenomegaly" (with J. A. Barga:n). *Ibid.*, 14:591-603. 1930.
- "Peripheral arterial disease in polycythemia vera" (with G. E. Brown). *Archives of Internal Medicine*, 46:705-17. 1930.
- "Treatment of secondary anemia" (with C. H. Watkins). *Journal of the American Medical Association*, 95:587-93. 1930.
- "Response of secondary anemia to fetal liver" (with C. H. Watkins). *Journal of Clinical Investigation*, 10:170-71. 1931.

WILLIAM HENRY GOECKERMAN, M.D., Associate Professor of Dermatology

- "Epidermophytosis of the hands and feet." *Journal-Lancet*, 50:230-31. 1930.
- "The relationship of emotions and cutaneous lesions." *Medical Clinics of North America*, 14:645-49. 1930.
- "Pyroderma (*echthyma*) gangrenosum: clinical and experimental observations in five cases occurring in adults" (with L. A. Brunsting and P. A. O'Leary). *Archives of Dermatology and Syphilology*, 22:655-80. 1930.
- "Tuberculids." *Minnesota Medicine*, 13:462-64. 1930.
- "Recurrent lymphangitis." *Ibid.*, 13:902-3. 1930.

NORMAN McDONNELL KEITH, B.A., M.D., Associate Professor of Medicine

- "Severe chronic renal insufficiency: three cases of diffuse nephritis of long duration" (with E. G. Wakefield). *Medical Clinics of North America*, 13:1485-93. 1930.
- "Atypical pulmonary sepsis simulating septicemia. Report of a case" (with E. L. Kellum). *Ibid.*, 14:663-69. 1930.
- "Perinephritic abscess" (with W. M. Smith). *Ibid.*, 14:723-17. 1930.
- "Some newer aspects in the problem of essential hypertension" (with J. W. Kernohan). *Annals of Internal Medicine*, 4:217-21. 1930.
- "The action and excretion of nitrates" (with Mary Whelan and E. G. Bannick). *Archives of Internal Medicine*, 46:797-832. 1930.
- "A study of inorganic sulphates in relation to the acid-base equilibrium in renal insufficiency and 'renal acidosis'" (with E. G. Wakefield). *Journal of Clinical Investigation*, 9:19. 1930.
- "Untoward effects of intravenous sodium chloride solution in severe renal insufficiency" (with E. G. Wakefield). *Ibid.*, 10:161. 1931.
- "The effect of a solution of acacia in restoring diminished body fluid" (with M. A. Walker). *American Journal of Physiology*, 95:561-72. 1930.
- "The distribution of electrolytes between serum and transudates" (with J. L. Bollman, Carl H. Greene, and E. G. Wakefield). *Journal of Biological Chemistry*, 91:203-16. 1931.

WILLIS STORRS LEMON, M.B., Associate Professor of Medicine

- "The significance of hemoptysis in the diagnosis of thoracic disease." *Canadian Medical Association Journal*, 22:639-46. 1930.
- "Anatomical and physiological aspects of the diaphragm." *American Review of Tuberculosis*, 22:685-701. 1930.
- "Rare intrathoracic tumors." *Weekly Roster and Medical Digest*, 25:7-27. 1930.
- "Absorption from the pleural cavity of dogs. I. The cytologic aspect" (with G. M. Higgins). *American Journal of the Medical Sciences*, 181:697-710. 1931.

WILLIAM ALBERT PLUMMER, M.D., Associate Professor of Medicine

- "Reasons for urging thyroidectomy in cases of adenomatous goiter without hyperthyroidism." *Medical Clinics of North America*, 13:1387-97. 1930.
- "Surgical operations and associated infections as possible etiological factors in the development of exophthalmic goiter and hyperthyroidism from adenomatous goiter" (with Charles Mayo, 2nd). *Journal of Clinical Investigation*, 10:175. 1931.

FREDERICK ARTHUR WILLIUS, M.D., M.S. in Medicine, Associate Professor of Medicine

- "Rheumatic cardiac disease with special reference to the newer concepts of rheumatic fever." *Journal of the Michigan State Medical Society*, 29:721-27. 1930.
- "Two cases of secondary tumor of the heart in children, in one of which the diagnosis was made during life" (with S. Amberg). *Medical Clinics of North America*, 13:1307-16. 1930.
- "A study of the course of syphilitic cardiovascular disease." *American Heart Journal*, 6:113-15. 1930.
- "Some principles underlying the treatment of heart failure." *Nebraska State Medical Journal*, 16:136-41. 1931.
- "The differential diagnosis of disease of the heart." *Journal-Lancet*, 51:34-41. 1931.
- "Functional disorders." *Journal of the Iowa State Medical Society*, 21:21-24. 1931.
- "Prognosis in heart disease." *Minnesota Medicine*, 14:405-10. 1931.

HENRY WILLIAM WOLTMAN, B.S., M.D., Ph.D. in Neurology, Associate Professor of Neurology

- "Pathologic changes in the spinal cord and peripheral nerves in diabetes mellitus" (with R. M. Wilder). *Archives of Internal Medicine*, 44:576-603. 1929.
- "Injuries of the spinal cord and spinal column" (with J. R. Learmonth). *Medical Clinics of North America*, 13:1325-46. 1930.
- "The diagnosis of tumors involving the spinal cord." *Journal of the American Medical Association*, 95:1398-1401. 1930.
- "Intramedullary tumors of the spinal cord: a review of fifty-one cases, with an attempt at histologic classification" (with J. W. Kernohan and A. W. Adson). *Archives of Neurology and Psychiatry*, 25:679-701. 1931.

ARLIE RAY BARNES, M.A., M.D., M.S. in Medicine, Assistant Professor of Medicine

- "Electrocardiographic localization of myocardial infarcts." *Medical Clinics of North America*, 14:671-86. 1930.
- "Calcareous aortic valvular disease" (with H. M. Margolis and F. O. Zillessen). *American Heart Journal*, 6:349-74. 1931.
- "Electrocardiographic changes produced by experimental occlusion of coronary vessels in the dog." *Journal of Clinical Investigation*, 10:173-74. 1931.

HARRY MILTON CONNER, M.D., Assistant Professor of Medicine

- "Treatment of pernicious anemia with an aqueous extract of liver." *Archives of Internal Medicine*, 45:702-5. 1930.
- "Further observations on the treatment of pernicious anemia with gastric tissue of swine." *Minnesota Medicine*, 13:865-67. 1930.
- "The feeding of gastric tissue in the treatment of pernicious anemia." *Journal of the American Medical Association*, 96:500-503. 1931.
- "Blood pathology in relation to surgery." *Journal of Laboratory and Clinical Medicine*, 16:647-54. 1931.
- "Unusual phagocytosis by reticular cells in a patient having a gram-negative bacillus in the blood" (with F. J. Heck). *Journal of Clinical Investigation*, 10:181-82. 1931.

JOHN BENEDICT DOYLE, M.D., M.S. in Neurology, Assistant Professor of Neurology

- "Ganglioneuroma of the third ventricle with diabetes insipidus and hypopituitarism" (with J. W. Kernohan). *Journal of Nervous and Mental Diseases*, 73:55-61. 1931.
- "Symptomatic treatment for narcolepsy" (with L. E. Daniels). *Journal of the American Medical Association*, 96:1370-72. 1931.

FRED W. GAARDE, B.S., M.D., Assistant Professor of Medicine

- "The prognosis of pleurisy with effusion." *Journal of the American Medical Association*, 95:249-50. 1930.
- "A study of bronchial reflexes in the guinea pig" (with M. W. Binger and J. Markowitz). *American Journal of Physiology*, 96:647-56. 1931.

CARL HARTLEY GREENE, M.D., Ph.D., Assistant Professor of Medicine

- "The composition of the bile following the relief of biliary obstruction: report of a series of illustrative cases" (with C. H. Fredrickson and W. Walters). *Annals of Surgery*, 91:686-93. 1930.
- "The treatment of patients with Addison's disease with the 'cortical hormone' of Swingle and Piffner (with L. G. Rowntree). *Science*, 72:482-83. 1930.
- "Changes in the tissues following the administration of excessive quantities of water" (with L. G. Rowntree). *Journal of Clinical Investigation*, 9:6-7. 1930.
- "The composition of the bile following the relief of biliary obstruction" (with C. H. Fredrickson and W. Walters). *Ibid.*, 9:30. 1930.
- "The treatment of patients with Addison's disease with the extract of the suprarenal cortex prepared by Swingle and Piffner" (with L. G. Rowntree). *Ibid.*, 10:166-67. 1931.
- "Addison's disease: experiences in treatment with various suprarenal preparations" (with L. G. Rowntree, W. W. Swingle, and J. J. Piffner). *Journal of the American Medical Association*, 96:231-35. 1931.
- "Functional tests in the surgical diagnosis and treatment of diseases of the liver and bile ducts" (with A. M. Snell and W. Walters). *Journal of Laboratory and Clinical Medicine*, 16:765-74. 1931.
- "The distribution of electrolytes between serum and transudates" (with J. L. Bollman, N. M. Keith, and E. G. Wakefield). *Journal of Biological Chemistry*, 91:203-16. 1931.

HOWARD RUSSELL HARTMAN, B.S., M.D., Assistant Professor of Medicine

- "The systolic blood pressure in cases of duodenal and gastric ulcer (a statistical study)" (with G. E. Brown). *Archives of Internal Medicine*, 44:843-55. 1929.
- "Results of abdominal exploration in cases in which the preoperative diagnosis was cholecystitis or cholelithiasis" (with A. B. Rivers). *Ibid.*, 45:523-34. 1930.
- "Relationship of blood pressure to hemorrhage in peptic ulcer in males." *Medical Clinics of North America*, 13:1299-1305. 1930.

JOHN SILAS LUNDY, B.A., M.D., Assistant Professor of Anesthesia

- "Anesthesia for dental operations." *Journal of the American Dental Association*, 17:1012-20. 1930.
- "Administration of synthetic carbon dioxide in dental operations done under nitrous oxide-oxygen anesthesia." *Ibid.*, 17:1544-51. 1930.
- "Intravenous anesthesia: particularly hypnotic, anesthetic and toxic effects of certain new derivatives of barbituric acid." *Current Researches in Anesthesia and Analgesia*, 9:210-17. 1930.
- "The use of several new derivatives of barbituric acid" (with C. F. Dixon). *Minnesota Medicine*, 13:679-81. 1930.

HAMILTON MONTGOMERY, M.D., M.S. in Dermatology, Instructor in Dermatology

- "An organism isolated from two cases of 'hairy tongue'" (with L. Thompson). *Journal of the American Medical Association*, 93:114. 1929.
- "Pigmentation of the skin in Addison's disease, *acanthosis nigricans* and *hemochromatosis*" (with P. A. O'Leary). *Archives of Dermatology and Syphilology*, 21:970-84. 1930.
- "*Larva migrans* (creeping eruption)." *Ibid.*, 22:813-21. 1930.
- "Systemic blastomycosis." *Medical Clinics of North America*, 14:651-62. 1930.

FREDERICK PAUL MOERSCH, B.S., M.D., Assistant Professor of Neurology
 "Nervous and mental phenomena associated with paroxysmal tachycardia." *Brain*, 53:
 244-58. 1930.

HERMAN JOHN MOERSCH, M.D., M.S. in Medicine, Assistant Professor of
 Medicine

"Peptic ulcer at the juncture of the esophagus and cardia: and ulceration of the
 esophagus" (with J. D. Camp and G. B. Eusterman). *Medical Clinics of North
 America*, 14:565-71. 1930.

"Fistula between the esophagus and the tracheobronchial tree." *Ibid.*, 14:715-21. 1930.

"Pharyngo-esophageal mediastinal fistula reentering the esophagus: report of case"
 (with E. S. Judd). *Minnesota Medicine*, 13:413-15. 1930.

"Treatment of pulmonary abscess by bronchoscopy." *Annals of Surgery*, 93:1126-31.
 1931.

HARRY LEE PARKER, M.B., Ch.B., M.S. in Neurology, Assistant Professor
 of Neurology

"Epileptiform convulsions: the incidence of attacks in cases of intracranial tumor."
Archives of Neurology and Psychiatry, 23:1032-41. 1930.

"Epidemic encephalitis: respiratory syndrome." *Medical Clinics of North America*,
 13:1347-62. 1930.

"Metastatic abscesses of the brain." *American Journal of the Medical Sciences*, 180:
 699-711. 1930.

"The relationship of epileptic seizures to brain tumor." *Minnesota Medicine*, 14:245-48.
 1931.

LEDA JUNE STACY, M.D., Assistant Professor of Medicine

"Poisoning from cinchophen" (with F. R. Vanzant). *Minnesota Medicine*, 13:327-28.
 1930.

"Results obtained in the treatment of carcinoma of the cervix uteri with radium and
 Roentgen rays from 1915 to 1923 inclusive" (with J. H. Bliss and H. H. Bowling).
American Journal of Radiology and Roentgen Therapy, 24:54-62. 1930.

"Results following the Kocher operation for prolapsus uteri." *Medical Clinics of North
 America*, 13:1481-84. 1930.

"Results of various operations for prolapse of the uterus" (with V. S. Counsellor).
Journal of the American Medical Association, 95:983-88. 1930.

PORTER PAISLEY VINSON, B.S., B.A., M.D., Assistant Professor of Medi-
 cine

"Spontaneous pneumothorax following bronchoscopic aspiration of pulmonary abscess:
 report of three cases." *Medical Clinics of North America*, 13:1379-85. 1930.

"Foreign bodies in the bronchi overlooked at bronchoscopic examination, report of three
 cases." *Ibid.*, 14:855-90. 1930.

"Spontaneous pneumothorax complicating cardiospasm" (with H. G. Wood). *Archives
 of Otolaryngology*, 12:508-10. 1930.

"The swallowed silk thread as a guide in esophageal instrumentation." *Ibid.*, 13:94-96.
 1931.

"Carcinoma of the pancreas with esophageal obstruction from metastasis to the lymph
 nodes of the mediastinum: report of a case" (with J. M. Marshall). *Minnesota
 Medicine*, 14:352-53. 1931.

"Foreign body (needle) in the esophagus: report of a case." *Ibid.*, 14:443. 1931.

"Cicatricial (benign) stricture of the esophagus of unknown origin: report based on
 forty cases." *Surgery, Gynecology and Obstetrics*, 52:955-57. 1931.

SAMUEL FRANKLIN ADAMS, M.D., M.S. in Medicine, Instructor in Medicine

"Carcinoma of the prostate gland with early and extensive metastasis to the cervical, axillary, and inguinal lymph nodes" (with G. B. Eusterman). *Medical Clinics of North America*, 14:573-74. 1930.

"A case of diabetes mellitus with thrombo-angiitis obliterans." *Ibid.*, 14:581-83. 1930.

"Mild diabetes and severe diabetes" (with M. Patmos and E. C. Bartels). *Ibid.*, 14:799-803. 1930.

FRANK NATHANIEL ALLAN, M.B., B.S., Instructor in Medicine

"The history of the treatment of diabetes by diet." *Journal of the American Dietetic Association*, 6:1-9. 1930.

"The surgical treatment of hyperinsulinism" (with E. S. Judd and W. C. Boeck). *Journal of the American Medical Association*, 94:1116-19. 1930.

"Renal glycosuria, with ketosis during surgical complications" (with F. R. Vanzant). *American Journal of the Medical Sciences*, 180:670-76. 1930.

"Diabetes mellitus associated with Addison's disease (report of two cases)." *Journal of Clinical Investigation*, 10:169. 1931.

"The association of diabetes insipidus and diabetes mellitus" (with L. G. Rowntree). *Endocrinology*, 15:97-106. 1931.

EDWIN GEORGE BANNICK, B.S., M.D., Instructor in Medicine

"Bleeding duodenal ulcer with perforation and obstruction: complications in the pre-operative management." *Medical Clinics of North America*, 14:745-50. 1930.

"Diffuse amyloidosis of unknown etiology" (with N. W. Barker). *Ibid.*, 14:773-81. 1930.

"The action and excretion of nitrates" (with N. M. Keith and Mary Whelan). *Archives of Internal Medicine*, 46:797-832. 1930.

CLIFFORD JOSEPH BARBORKA, M.D., M.S. in Medicine, Instructor in Medicine

"Epilepsy in adults: results in the treatment by ketogenic diet in 100 cases." *Archives of Dermatology and Syphilology*, 23:904-14. 1930.

"Obesity." *Medical Clinics of North America*, 14:701-13. 1930.

"Migraine: results of treatment by ketogenic diet in fifty cases." *Journal of the American Medical Association*, 95:1825-28. 1930.

JACOB ARNOLD BARGEN, M.D., M.S. in Medicine, Instructor in Medicine

"The association of chronic ulcerative colitis and multiple polyps" (with M. W. Comfort). *Annals of Internal Medicine*, 4:122-33. 1930.

"Chronic ulcerative colitis associated with splenomegaly" (with H. Z. Giffin). *Medical Clinics of North America*, 13:1451-54. 1930.

"Further observations on chronic ulcerative colitis associated with splenomegaly" (with H. Z. Giffin). *Ibid.*, 14:591-603. 1930.

"Ulcerative colitis as a complication of abdominal operations" (with F. W. Rankin). *Minnesota Medicine*, 13:375-78. 1930.

"Tuberculosis of the intestine: its differential diagnosis." *Ibid.*, 13:457-61. 1930.

"Chronic ulcerative colitis: a review of investigations on etiology." *Archives of Internal Medicine*, 45:559-72. 1930.

"Serum treatment for chronic ulcerative colitis" (with E. C. Rosenow and G. F. C. Fasting). *Ibid.*, 46:1039-47. 1930.

"Inflammatory diseases of the large intestine." *International Clinics*, 3:202-10. 1930.

"Regional migratory chronic ulcerative colitis" (with H. M. Weber). *Surgery, Gynecology, and Obstetrics*, 50:964-72. 1930.

"Inflammatory cecal tumors: diagnosis of type of obscure etiology" (with M. F. Jacobs). *Archives of Surgery*, 20:832-50. 1930.

"Vaccination against peritonitis in surgery of the colon: further report" (with F. W. Rankin). *Ibid.*, 22:98-105. 1931.

"The diagnosis of malignant disease of the colon and rectum." *Indiana State Medical Association Journal*, 23:567-71. 1930.

"Conditions commonly called colitis." *American Journal of Roentgenology*, 25:308-13. 1931.

"The treatment of ulcerative lesions of the large intestine." *Northwestern Medicine*, 30:205-9. 1931.

NELSON WAITE BARKER, M.D., M.S. in Medicine, Instructor in Medicine

"Diffuse amyloidosis of unknown etiology" (with E. G. Bannick). *Medical Clinics of North America*, 14:775-81. 1930.

"The congo-red test with special reference to excretion of the dye in the urine" (with A. M. Snell). *Journal of Laboratory and Clinical Medicine*, 16:262-70. 1930.

"Polycythemia vera and chronic pulmonary disease." *Archives of Internal Medicine*, 47:94-103. 1931.

MAURICE B. BONTA, B.A., B.S., M.D., Instructor in Medicine

"Splenectomy in Gaucher's disease." *Archives of Surgery*, 21:851-59. 1930.

PHILIP WALLING BROWN, B.A., M.D., M.S. in Medicine, Instructor in Medicine

"Diverticulitis of the colon" (with F. W. Rankin). *Surgery, Gynecology, and Obstetrics*, 50:836-47. 1930.

"Inflammatory lesions of the rectum and colon." *Medical Clinics of North America*, 13:1473-79. 1930.

LOUIS ALBERT BRUNSTING, M.D., M.S. in Dermatology, Instructor in Dermatology

"Pyoderma (*echthyma*) gangrenosum: clinical and experimental observations in five cases occurring in adults" (with W. H. Goeckerman and P. A. O'Leary). *Archives of Dermatology and Syphilology*, 22:655-80. 1930.

"Further observations on the treatment of acute syphilis with bismuth arsenamine sulphionate (bismarsen)" (with P. A. O'Leary). *New York State Journal of Medicine*, 30:1223-27. 1930.

"Syphilitic juxta-articular nodes." *American Journal of Syphilis*, 15:42-49. 1931.

MANDRED WHITSET COMFORT, M.D., M.S. in Neurology, Instructor in Medicine

"Carcinoma of the rectum in young persons" (with F. W. Rankin). *Journal of the Tennessee State Medical Association*, 22:37-42. 1929.

"The association of chronic ulcerative colitis and multiple polyps" (with J. A. Bargen). *Annals of Internal Medicine*, 4:122-33. 1930.

"Submucous lipomata of the gastro-intestinal tract: report of twenty-eight cases." *Surgery, Gynecology, and Obstetrics*, 52:101-18. 1931.

"Intermittent obstructive jaundice caused by neuroma of the cystic bile duct" (with W. Walters). *Annals of Surgery*, 93:1142-45. 1931.

DELLA GAY DRIPS, M.S., M.D., Instructor in Medicine

"Sarcoma in uterine fibromyoma; adenomyoma of the abdominal wall; complete uterine prolapse." *Medical Clinics of North America*, 14:691-99. 1930.

LOUIS SANDERS FAUST, M.D., M.S. in Medicine, Instructor in Medicine

"Fibrosarcoma of a Meckel's diverticulum producing intestinal hemorrhage" (with W. Walters). *Minnesota Medicine*, 14:233-36. 1931.

WILLIAM PARKER FINNEY, B.A., M.D., Instructor in Medicine

"Deformity from fatty atrophy in the arm occasioned by injections of pituitrin in cases of diabetes insipidus" (with J. W. Harmeier). *Medical Clinics of North America*, 13:1533-37. 1930.

HAROLD C. HABEIN, B.A., M.D., Instructor in Medicine

"Some medical aspects of prostatic obstruction." *Medical Clinics of North America*, 14:751-65. 1930.

SAMUEL FAITOUTE HAINES, M.D., M.S. in Medicine, Instructor in Medicine

"Angina pectoris associated with exophthalmic goiter and hyperfunctioning adenomatous goiter" (with E. J. Kepler). *Medical Clinics of North America*, 13:1317-23. 1930.
 "Postoperative parathyroid insufficiency" (with W. M. Boothby and J. deJ. Pemberton). *American Journal of the Medical Sciences*, 181:81-96. 1931.

PHILIP SHOWALTER HENCH, B.A., M.D., Instructor in Medicine

"Uremio' stomatitis" (with B. E. Hempstead). *Journal of Clinical Investigation*, 9:22. 1930.
 "The course and prognosis in chronic infectious arthritis: a study of relapses" (with D. G. Ghrist). *Medical Clinics of North America*, 13:1499-1518. 1930.
 "The treatment of chronic 'infectious' arthritis by sympathetic ganglionectomy and trunk resection" (with M. S. Henderson, L. G. Rowntree, and A. W. Adson). *Journal of Laboratory and Clinical Medicine*, 15:1247-56. 1930.
 "The treatment of dental foci in chronic rheumatic disease." *Journal of the British Dental Society*, 75:257-64. 1930; *Dental Survey*, 6:19-26. 1930.
 "The treatment of chronic rheumatic diseases with special reference to patent remedies and the cults" (with E. H. Ryncarson). *American Medicine*, 25:642-50. 1930.
 "Results of resection of sympathetic ganglia and trunks in seventeen cases of chronic 'infectious' arthritis" (with A. W. Adson and L. G. Rowntree). *Annals of Internal Medicine*, 4:447-54. 1930; *Transactions of the Association of American Physicians*, 45:226-39. 1930.

BAYARD TAYLOR HORTON, M.D., M.S. in Medicine, Instructor in Medicine

"Intermittent claudication in the extremities with pulsating vessels." *Medical Clinics of North America*, 14:783-97. 1930.
 "Evidence shown in roentgenograms of changes in the vascular tree following experimental sympathetic ganglionectomy" (with W. McK. Craig). *Archives of Surgery*, 21:698-701. 1930.
 "Pyloric block with special reference to musculature, myenteric plexus and lymphatics." *Ibid*, 22:438-62. 1931.
 "Bacteriologic studies in thrombo-angiitis obliterans" (with A. H. E. Dorsey). *Journal of Clinical Investigation*, 10:164-65. 1931.

CHARLES KORAN MAYTUM, M.D., Instructor in Medicine

"The differential diagnosis of asthma." *Medical Clinics of North America*, 14:729-44. 1930.

CHARLES FLETCHER MCCUSKEY, M.D., Instructor in Anesthesia

"The choice of an anesthetic adaptable to the patient and the disease" (with F. M. Moxon). *West Virginia Medical Journal*, 26:521-31. 1930.

LAURA MARY MOENCH, M.D., M.S. in Medicine, Instructor in Medicine

"Fibromyoma, sarcoma and adenocarcinoma in the same uterus." *Medical Clinics of North America*, 14:687-89. 1930.

ANDREW BAPTISTE RIVERS, M.D., M.S. in Medicine, Instructor in Medicine

"Results of abdominal operations in cases in which the preoperative diagnosis was cholecystitis or cholelithiasis" (with H. R. Hartman). *Archives of Internal Medicine*, 45:523-34. 1930.

"Significant factors in the course and diagnosis of peptic ulcer." *Medical Clinics of North America*, 14:575-80. 1930.

"The significance of hematemesis." *Texas State Journal of Medicine*, 26:492-99. 1930.

"Foreign bodies in the stomach" (with H. L. Davison). *Annals of Internal Medicine*, 4:742-51. 1931.

"A clinical study of duodenitis, gastritis, and gastrojeunitis." *Ibid.*, 4:1265-81. 1931.

"The association of peptic ulcer and cholecystic disease" (with J. B. Mason). *Minnesota Medicine*, 14:330-35. 1931.

IRENE SANDIFORD, Ph.D., Instructor in Medicine

"Metabolic studies during pregnancy and menstruation" (with Theodora Wheeler and W. M. Boothby). *American Journal of Physiology*, 96:191-202. 1931.

CARL FRANK SCHLOTTHAUER, D.V.M., Instructor in Experimental Medicine

"The significance of partial agglutination reactions for bovine infectious abortion." *Cornell Veterinarian*, 20:363-67. 1930.

"The incidence of goiter in dogs in southern Minnesota" (with H. D. Caylor and F. D. McKenney). *Journal of the American Veterinary Medical Association*, 76:811-19. 1930.

"The inguinal incision for castration of the dog." *Ibid.*, 77:782-83. 1930.

"The incidence and types of disease of the thyroid of adult horses." *Ibid.*, 78:211-18. 1931.

"Tetanus in a dog: report of a case." *North American Veterinarian*, 11:45-46. 1930.

"Treatment of a compound fracture of the metacarpus in a deer." *Ibid.*, 12:23-24. 1931.

HARRY LEROY SMITH, M.D., M.S. in Medicine, Instructor in Medicine

"Digitalis delirium with colored vision: report of one case." *Journal of the Iowa State Medical Society*, 21:173-74. 1931.

"Electrocardiography: a brief general consideration." *Journal Lancet*, 51:313-15. 1931.

ALBERT MARKLEY SNELL, M.D., M.S. in Medicine, Instructor in Medicine

"The complications and sequelae of prolonged obstructive jaundice" (with E. S. Judd and F. R. Vanzant). *Medical Clinics of North America*, 13:1417-38. 1930.

"Intrahepatic jaundice" (with F. M. Jordan). *Northwest Medicine*, 29:295-303. 1930.

"The congro-red test with special reference to excretion of the dye in the urine" (with N. W. Barker). *Journal of Laboratory and Clinical Medicine*, 16:262-70. 1930.

"Functional tests in the surgical diagnosis and treatment of diseases of the liver and bile ducts" (with C. H. Greene and W. Walters). *Ibid.*, 16:765-74. 1931.

"Some clinical features of obstructive jaundice" (with F. M. Jordan). *Minnesota Medicine*, 13:699-707. 1930.

"Unusual deficiency syndrome secondary to duodenal occlusion and ulcerative colitis" (with L. D. Bumpus). *Ibid.*, 14:336-40. 1931.

"Observations on the clinical course and effects of treatment in 112 cases of portal cirrhosis with ascites" (with L. G. Rowntree and C. B. Chapman). *Journal of Clinical Investigation*, 10:172-73. 1931.

CHARLES HAMILTON WATKINS, Ph.D., M.D., Instructor in Medicine

"Treatment of secondary anemia" (with H. Z. Giffin). *Journal of the American Medical Association*, 95:587-93. 1930.

"The practical value of examination of blood smears" (with F. J. Heck). *Minnesota Medicine*, 13:860-64. 1930.

"Response of secondary anemia to fetal liver" (with H. Z. Giffin). *Journal of Clinical Investigation*, 10:170-71. 1931.

JAMES FISHER WEIR, B.A., M.D., Instructor in Medicine

"Clinical consideration of some types of intrahepatic jaundice" (with F. M. Jordan) *Medical Clinics of North America*, 13:1461-72. 1930.

HARRY G. WOOD, M.D., Instructor in Medicine

"Spontaneous pneumothorax complicating cardiospasm" (with P. P. Vinson). *Archives of Otolaryngology*, 12:508-10. 1930.

LLOYD HIRAM ZIEGLER, M.A., M.D., Instructor in Neurology

"Psychosis associated with myxedema." *Journal of Neurology and Psychopathology*, 11:20-27. 1930.

"Neuropsychiatric clinic." *Medical Clinics of North America*, 13:1363-77. May, 1930.

"Psychotic and emotional phenomena associated with amyotrophic lateral sclerosis." *Archives of Neurology and Psychiatry*, 24:930-36. November, 1930.

"Palsy of the cranial nerves." *Minnesota Medicine*, 13:880-87. December, 1930.

"Learning and forgetting." *Journal of Higher Education*, Vol. 2, No. 3, March, 1931.

OBSTETRICS AND GYNECOLOGY

ROBERT DANIEL MUSSEY, M.D., Professor of Obstetrics

"Pregnancy following splenectomy" (with G. G. Burkley). *Medical Clinics of North America*, 13:1455-60. May, 1930.

LAWRENCE MERRILL RANDALL, M.D., Instructor in Obstetrics and Gynecology

"Friedman's hormone test for pregnancy" (with T. B. Magath). *Journal of the American Medical Association*, 96:1933-35. 1931.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

WILLIAM LEMUEL BENEDICT, M.D., Professor of Ophthalmology

"Abscess of the brain from the standpoint of the ophthalmologist." *Laryngoscope*, 40:325-35. 1930.

"Adenocarcinoma of the lacrimal gland (so-called mixed tumor)" (with A. C. Broders) *American Journal of Ophthalmology*, 13:585-95. 1930.

"Shönlein-Henoch's purpura with intra-ocular hemorrhage and iritis: report of a case." *Journal of the American Medical Association*, 95:1577-79. 1930.

"The significance of temporary blindness." *Journal Lancet*, 13:891-95. 1930.

"Cranial sinus thrombosis: ophthalmologic aspects." *Surgery, Gynecology, and Obstetrics*, 52:464-70. 1931.

HAROLD IRVING LILLIE, B.A., M.D., Professor of Otolaryngology, Rhinology, and Laryngology

"The problem of disease of the paranasal sinuses." *Minnesota Medicine*, 13:877-79. December, 1930.

"Cases from the clinic of Harold I. Lillie" (with H. L. Williams, Jr.). *Surgical Clinics of North America*, 10:81-88. 1930.

"Pulmonary complications associated with thrombosis of the sigmoid sinus: report of a case." *Annals of Otolaryngology, Rhinology, and Laryngology*, 40:30-33. 1931.

GORDON BALGARNIE NEW, D.D.S., M.D., Professor of Rhinology, Laryngology and Stomatology

- "Tumors of the nose and throat: a review of the literature" (with W. Kirch). *Archives of Otolaryngology*, 11:657-68. 1930.
- "Unusual laryngological conditions." *Laryngoscope*, 40:606-10. 1930.
- "Paralysis of the superior laryngeal nerves associated with arteriosclerosis of the central nervous system" (with J. H. Childrey). *Ibid.*, 11:752-55. 1930.
- "Primary blastomycosis of the tongue" (with J. H. Childrey). *Ibid.*, 12:184-89. 1930.
- "Tumors of the nose and throat: a review of the literature for 1930" (with W. Kirch). *Ibid.*, 13:735-48. 1931.
- "Chronic stridor in childhood sometimes erroneously attributed to enlargement of the thymus" (with R. L. J. Kennedy). *Journal of the American Medical Association*, 96:1286-89. 1931.

WALTER IVAN LILLIE, M.D., M.S. in Ophthalmology, Associate Professor of Ophthalmology

- "Chiasmal syndrome produced by chronic local arachnoiditis: report of eight cases" (with W. McK. Craig). *Archives of Ophthalmology*, 5:558-74. 1931.

CARL M. ANDERSON, M.D., Assistant Professor of Oto-Laryngology

- "Suppuration in the paranasal sinuses as a factor in focal infection: review of four hundred cases." *Journal of the American Medical Association*, 94:1889-91. 1930.

FRED ADAM FIGI, M.D., Assistant Professor of Oto-Laryngology

- "Treatment of malignant tumors of the mouth and throat." *Journal of the American Radium Society*, 3:648-56. 1930.
- "Primary carcinoma of the trachea." *Archives of Otolaryngology*, 12:446-56. 1930.
- "Early diagnosis and treatment of malignant conditions of the mouth and lips." *Minnesota Medicine*, 13:788-92. 1930.

BERT EUGENE HEMPSTEAD, B.A., M.D., Assistant Professor of Oto-Laryngology

- "'Uremic' stomatitis" (with P. S. Hench). *Journal of Clinical Investigation*, 9:22. 1930.

HENRY PATRICK WAGENER, M.D., M.S. in Ophthalmology, Assistant Professor of Ophthalmology

- "Retinal vascular changes in hypertension." *Annals of Internal Medicine*, 4:222-26. 1930.
- "Benign melanoma and melano-epithelioma of the choroid" (with W. L. A. Wellbrook). *Archives of Ophthalmology*, 4:509-15. 1930.

PATHOLOGY

WILLIAM CARPENTER MACCARTY, M.S., M.D., Professor of Pathology

- "A cytologic study of Hodgkin's disease, lymphosarcoma and lymphatic leukemia." *Journal of Cancer Research*, 14:394-99. 1930.
- "Principles of prognosis in cancer." *Journal of the American Medical Association*, 96:30-33. 1931; *American Society for the Control of Cancer Bulletin*, 13:1-2. 1931.
- "The present status of knowledge of cancer." *American Journal of Clinical Pathology*, 1:85-91. 1931.

RALPH G. MILLS, M.D., Professor of Pathology

- "Cystitis emphysematosa. III. Report of an additional case in man, associated with cystitis cystica." *Journal of Urology*, 24:217-31. 1930.
- "Means of securing postmortem examinations." *Bulletin of American College of Surgeons*, 14:4-57. December, 1930.
- "The effect of prolonged exposure of the siliceous spicules of a freshwater sponge (*Spongilla fragilis*) to the action of animal tissues; a contribution to the pathogenesis of silicosis in man." *American Journal of Hygiene*, 13:224-34. January, 1931.
- "Osteoporosis associated with hyperthyroidism, from the chemical standpoint" (with A. E. Osterberg). Page 73 in Staff Meetings of the Mayo Clinic, February 4, 1931.

HAROLD E. ROBERTSON, B.A., M.D., Professor of Pathology

- "The staging of a clinical pathologic conference." *The Proceedings of the Congress on Medical Education, Medical Licensure and Hospitals*, pp. 59-64. 1929.
- "Postmortem examinations in graduate medical instruction." *Journal of the Association of American Medical Colleges*, 5:216-21. 1930.
- "The problems of cancer mortality statistics." *Journal Lancet*, 50:409-12. 1930.

ARTHUR HAWLEY SANFORD, M.A., M.D., Professor of Clinical Pathology

- "The rôle of the clinical pathologist." *Journal of the American Medical Association*, 95:1465-67. 1930.

LOUIS BLANCHARD WILSON, M.D., Professor of Pathology

- "The graduate study of morbid anatomy by the military surgeon." *Military Surgeon*, 56:613-20. 1930.
- "The hospital's relation to the practitioners of medicine." *Bulletin of the American Hospital Association*, pp. 1-8. April, 1931.

ALBERT CROMPTON BRODERS, M.D., M.S. in Pathology, D.Sc., Associate Professor of Pathology

- "Adenocarcinoma of the lacrimal gland (so-called mixed tumor)" (with W. L. Benedict). *American Journal of Ophthalmology*, 13:585-95. July, 1930.
- "The effect of treatment in cases of carcinoma: a study of malignancy in metastatic growths after removal or irradiation of primary growths" (with R. C. Mills and H. D. Caylor). *Surgery, Gynecology, and Obstetrics*, 52:824-31. 1931.
- "Modification of Wilson's fresh frozen section technic." *Journal of Laboratory and Clinical Medicine*, 16:734-38. 1931.
- "Primary fibromyxochondrosarcoma of endometrial stroma" (with F. W. Rankin). *American Journal of Surgery*, 12:74-75. 1931.

THOMAS BYRD MAGATH, M.D., Ph.D., Associate Professor of Clinical Pathology and Parasitology

- "A comparison of the intracerebral method with other methods of inoculating guinea pigs for the diagnosis of tuberculosis" (with W. H. Feldman). *American Review of Tuberculosis*, 22:514-30. 1930.
- "Poisoning from snake bite in the United States" (editorial). *Journal of Laboratory and Clinical Medicine*, 15:797-801. 1930.
- "Sickle cell anemia" (editorial). *Ibid.*, 16:637-40. 1931.
- "American Journal of Clinical Pathology" (editorial). *American Journal of Clinical Pathology*, 11:93-94. 1931.
- "Diphyllobothrium latum" (editorial). *Ibid.*, 11:187-89. 1931.
- "Friedman's hormone test for pregnancy" (with L. M. Randall). *Journal of the American Medical Association*, 96:1933-35. 1931.

JESSE LOUIS BOLLMAN, B.A., M.S., M.D., Assistant Professor of Experimental Pathology

- "The hydrogen-ion concentration of the contents of the intestine" (with F. C. Mann). *Archives of Pathology*, 9:1293. 1930.
- "The reaction of the content of the gastro-intestinal tract" (with F. C. Mann). *Journal of the American Medical Association*, 95:1722-24. 1930.
- "The relation of the liver to the utilization of levulose" (with F. C. Mann). *American Journal of Physiology*, 93:671-72. 1930.
- "The physiology of the liver. XIX. The utilization of fructose following complete removal of the liver" (with F. C. Mann). *Ibid.*, 96:683-95. 1931.
- "A method for making a satisfactory fistula at any level of the gastro-intestinal tract" (with F. C. Mann). *Annals of Surgery*, 93:794-97. 1931.
- "The distribution of electrolytes between serum and transudates" (with Carl H. Greene, N. M. Keith, and E. G. Wakefield). *Journal of Biological Chemistry*, 91:203-16. 1931.

HAROLD D. CAYLOR, M.D., M.S., Assistant Professor of Pathology

- "The incidence of goiter in dogs in southern Minnesota" (with C. F. Schlotthauer and E. D. McKenney). *Journal of the American Veterinary Medical Association*, 76:811-19. 1930.
- "Leiomyosarcoma of the urinary bladder" (with W. Walters). *Journal of Urology*, 24:303-11. 1930.

JAMES WATSON KERNOHAN, M.B., Ch.B., B.A.O., M.A., Assistant Professor of Pathology

- "Adoption of Bielschowsky's silver impregnation method for material embedded in paraffin or celloidin." *Transactions of the American Microscopical Society*, 49:58-61. 1930.
- "Tumor of the gasserian ganglion: sheath neuroma" (with J. R. Learmonth). *Brain*, 53:86-91. 1930.
- "Ganglioneuroma of the third ventricle with diabetes insipidus and hypopituitarism" (with J. B. Doyle). *Journal of Nervous and Mental Diseases*, 73:55-61. 1931.
- "Some newer aspects in the problem of essential hypertension" (with N. M. Keith). *Annals of Internal Medicine*, 4:217-21. 1930.
- "Intramedullary tumors of the spinal cord: a review of fifty-one cases, with an attempt at histologic classification" (with A. W. Adson and H. W. Woltman). *Archives of Neurology and Psychiatry*, 25:679-701. 1931.

WILLIAM HUGH FELDMAN, D.V.M., M.S., Instructor in Comparative Pathology

- "Extranephric embryonic nephroma in a hog." *Journal of Cancer Research*, 14:116-19. 1930.
- "A comparison of the intracerebral method with other methods of inoculating guinea pigs for the diagnosis of tuberculosis" (with T. B. Magath). *American Review of Tuberculosis*, 22:514-30. 1930.
- "The so-called lymphoid hyperplasia of animals." *Journal of the American Veterinary Medical Association*, 77:294-312. 1930.
- "The museum of pathology: a neglected institution." *Ibid.*, 77:554-60. 1930.
- "A modification of the medium of Sweany and Evanoff for culturing the organism of bovine tuberculosis." *Ibid.*, 78:527-30. 1931.
- "Susceptibility of the gopher (*Citellus tridecemlineatus*) to *Mycobacterium tuberculosis*." *American Journal of Pathology*, 7:139-46. 1931.
- "The pathological changes following experimental exposure of dogs to *Mycobacterium tuberculosis* of avian origin." *Ibid.*, 7:147-56. 1931.

ALLEN ARTHUR CHARLES NICKEL, B.S., B.D., M.D., Instructor in Pathology

- "The bacteriology of chronic prostatitis and seminal vesiculitis, and elective localization of the bacteria as isolated." *Journal of Urology*, 24:343-57. 1930.
- "Duodenitis, duodenal ulcer and gastric ulcer: experimental lesions produced with streptococci obtained from surgically resected ulcer-bearing tissue and from other foci of infection." *Annals of Internal Medicine*, 3:1084-96. 1930.
- "The prostate gland as a focus of infection in arthritis" (with L. G. Stuhler). *Medical Clinics of North America*, 13:1519-27. 1930.
- "Purpura of infectious origin (*Urticaria hemorrhagica*)" (with L. G. Stuhler). *Ibid.*, 14:805-10. 1930.

PEDIATRICS

HENRY FREDERICK HELMHOLZ, B.S., M.D., Professor of Pediatrics

- "Preventive pediatrics." Pages 1-16 in *Johns Hopkins University School of Hygiene and Public Health, De Lamar Lectures, 1929-1930*. Baltimore: Johns Hopkins University.
- "Eight years' experience with the ketogenic diet in the treatment of epileps;" (with H. M. Keith). *Journal of the American Medical Association*, 95:707-9. 1930.
- "Rheumatic fever in childhood." *Minnesota Medicine*, 14:5-7. 1931.
- "A syndrome characterized by congenital clouding of the cornea and by other anomalies" (with Ethel R. Harrington). *American Journal of Diseases of Children*, 41:793-800. 1931.

SAMUEL AMBERG, M.D., Associate Professor of Pediatrics

- "Two cases of secondary tumor of the heart in children, in one of which the diagnosis was made during life" (with F. A. Willius). *Medical Clinics of North America*, 13:1307-16. 1930.
- "The effect of atropine on the bladder of the child" (with O. Grob). *American Journal of Diseases of Children*, 41:507-12. 1931.

ROGER L. J. KENNEDY, M.D., M.S. in Pediatrics, Instructor in Pediatrics

- "Chronic stridor in childhood sometimes erroneously attributed to enlargement of the thymus" (with G. B. News). *Journal of the American Medical Association*, 96:1286-89. 1931.

PHYSIOLOGY AND PHYSIOLOGIC CHEMISTRY

EDWARD CALVIN KENDALL, Ph.D., Professor of Physiologic Chemistry

- "A study of glutathione II. The determination of reduced glutathione in tissues" (with B. F. McKenzie and H. L. Mason). *Journal of Biological Chemistry*, 86:623-34. 1930; III. "The structure of glutathione" (with B. F. McKenzie and H. L. Mason). *Ibid.*, 87:55-79. 1930; IV. "Determination of the structure of glutathione" (with B. F. McKenzie and H. L. Mason). *Ibid.*, 88:409-23. 1930.
- "Oxidation of cobaltous cysteine" (with J. E. Holst). *Proceedings of the Society for Experimental Biology and Medicine*, 28:674-75. 1931.
- "The removal of traces of oxygen from nitrogen." *Science*, 73:394-97. 1931.

ARNOLD ERWIN OSTERBERG, B.S. in Ch.E., Ph.D., Assistant Professor of Physiologic Chemistry

- "Chemical determinations of the glycogen ratio in the bundle of His and the cardiac muscle in man and in the horse" (with H. W. Hefke and W. M. Yater). *Archives of Internal Medicine*, 45:760-71. 1930.

JACOB MARKOWITZ, M.B., Ph.D., M.S. in Experimental Surgery, Instructor in Physiology

- "The toxic effects of defibrinated blood when perfused through the isolated mammalian heart" (with J. F. Herrick). *American Journal of Physiology*, 89: 698-705. 1929.
- "The rôle of glycogen in the contraction of the perfused heart of the rabbit" (with F. C. Mann and V. Witting). *Ibid.*, 94:35-40. 1930.
- "Hydrion concentration of edema in perfused hearts of rabbits" (with J. M. Ort). *Ibid.*, 94:60-64. 1930.
- "A plethysmographic study of the thyroid gland of the dog" (with F. C. Mann and J. B. Mason). *Ibid.*, 94:125-34. 1930.
- "The physiologic action of the venom of the honeybee (*Apis mellifera*)" (with H. E. Essex and F. C. Mann). *Ibid.*, 94:209-14. 1930.
- "Studies on the innervation of the large bowel. II. The influence of the lumbar colonic nerves in the distal part of the colon" (with J. R. Learmonth). *Ibid.*, 94:501-4. 1930.
- "Osmotic pressure, bound water and edema in perfused hearts" (with J. M. Ort). *Ibid.*, 96:541-46. 1931.
- "A study of bronchial reflexes in the guinea pig" (with M. W. Binger and F. W. Gaarde). *Ibid.*, 96:647-56. 1931.
- "Studies on the physiology of the liver. XX. The detoxicating function of the liver with special reference to strychnine" (with F. C. Mann and J. T. Priestley). *Ibid.*, 96:696-708. 1931.
- "The physiologic action of rattlesnake venom (crotalin). IX. Activity of protein fractions of crotalin" (with H. E. Essex and F. C. Mann). *Ibid.*, 97:22-25. 1931; X. "Influence of crotalin on the viscosity of blood" (with E. J. Baldes and H. E. Essex). *Ibid.*, 97:26-31. 1931.
- "Studies on immunity to rattlesnake venom (crotalin)" (with F. C. Mann and H. E. Essex). *Ibid.*, 97:180-99. 1931.
- "The influence of repeated injections of chicken embryo on the health and growth of the chicken" (with G. M. Higgins). *Journal of Experimental Zoology*, 57:205-22. 1930.

HAROLD LAWRENCE MASON, Ph.D., Instructor in Physiologic Chemistry

- "A plethysmographic study of the thyroid gland of the dog" (with F. C. Mann and J. Markowitz). *American Journal of Physiology*, 94:125-34. 1930.
- "A study of glutathione. II. The determination of reduced glutathione in tissues" (with E. C. Kendall and B. F. McKenzie). *Journal of Biological Chemistry*, 86:623-34. 1930; III. "The structure of glutathione" (with B. F. McKenzie and E. C. Kendall). *Ibid.*, 87:55-79. 1930; IV. "Determination of the structure of glutathione" (with E. C. Kendall and B. F. McKenzie). *Ibid.*, 88:409-23. 1930; V. "The spontaneous cleavage of glutathione in aqueous solution." *Ibid.*, 90: 25-32. 1931; VI. "The preparation of oxidized glutathione." *Ibid.*, 90:409-16. 1931.

MARSCHELLE HARNLY POWER, Ph.D., Instructor in Physiologic Chemistry

- "Distribution of the blood sugar between plasma and corpuscles in man" (with Ruth Peterson). *Proceedings of the Society for Experimental Biology and Medicine*, 28:548-50. 1931.

MARY WHELAN, M.A., Instructor in Physiologic Chemistry

- "The action and excretion of nitrates" (with E. G. Bannick and N. M. Keith). *Archives of Internal Medicine*, 46:797-832. 1930.

CHARLES MARTELL WILHELMJ, M.D., M.S., Instructor in Physiology

"The influence of nutrition on the response to certain amino acids. I. The effect of fasting." *American Journal of Physiology*, 93:69-85. 1930; II. "The effect of fasting followed by diets high in carbohydrates" (with F. C. Mann). *Ibid.*, 93:258-66. 1930.

"Researches on the physiology of the blood: a review of data published in America during 1929" (with F. C. Mann). *Folia Haematologica*, 43:235-46. 1930.

RADIOLOGY

ALEXANDER BERKELEY MOORE, M.D., Associate Professor of Roentgenology

"An appraisal of the motor-test-meal in the roentgenologic examination of the stomach and small bowel." *American Journal of Roentgenology*, 23:503-9. 1930.

"Progress in the roentgenologic diagnosis of diaphragmatic hernia" (with B. R. Kirklin). *Journal of the American Medical Association*, 95:1966-69. 1930.

HARRY HERMAN BOWING, B.S., M.D., Assistant Professor of Radiology

"Results obtained in the treatment of carcinoma of the cervix uteri with radium and Roentgen rays from 1915 to 1923" (with L. J. Stacy and J. H. Bliss). *American Journal of Radiology and Roentgen Therapy*, 24:54-62. 1930.

"The present status of radiotherapy for carcinoma of the uterine cervix" (with R. E. Fricke). *Radiological Review*, 52:124-26. 1930.

"Results obtained by irradiation of carcinoma of the cervix uteri" (with R. E. Fricke). *Journal Lancet*, 51:195-99. 1931.

"Irradiation of carcinoma of the cervix uteri" (with R. E. Fricke). *Minnesota Medicine*, 14:237-44. 1931.

"Treatment by radium." *American Journal of Roentgenology*, 25:482-89. 1931.

"Treatment of carcinoma of the rectum by radium" (with R. E. Fricke, L. A. Buie, and F. R. Harper). *Ibid.*, 25:644-53. 1931.

ARTHUR ULDERIC DESJARDINS, M.D., M.S. in Radiology, Assistant Professor of Radiology

"Roentgen-ray treatment in certain benign and inflammatory conditions." *Indianapolis Medical Journal*, 1929. 7 pages.

"Irradiation as a means of differentiating certain varieties of tumors." *Medical Clinics of North America*, 14:619-38. 1930.

"The value of radiotherapy in mediastinal tumors." *California and Western Medicine*, 32:371-81. 1930.

"The specific radiosensitiveness of lymphocytes and its significance in radiotherapy." *Ibid.*, 33:775-81. 1930.

"Radiotherapy for inflammatory conditions." *Journal of the American Medical Association*, 96:401-8. 1931.

"The status of radiology." *Ibid.*, 96:1749-53. 1931.

"L'exploration radiologique dans la cholecystite et la lithiase biliaire." *Journal de radiologie et d'electrologie*, 15:65-83. 1931; *Assn. d. Med. de Langue Franc. de l'Amerique du Nord, Congres*, 11:153-66. 1930.

BYRD RAYMOND KIRKLIN, M.D., Assistant Professor of Radiology

"Sources of error in cholecystography." *Radiological Review*, 52:75-76. 1930.

"The radiologist's liability insurance" (editorial). *American Journal of Roentgenology*, 24:67-68. 1930.

"Roentgenologically demonstrable changes in bone in Gaucher's disease. Report of a case" (with H. W. Hefke). *Ibid.*, 24:258-61. 1930.

"Cholecystographic diagnosis of papillomas of the gallbladder." *Ibid.*, 25:46-50. 1931.

"Necessity for accurate technic in oral cholecystograph: errors attributable to technical lapses." *Ibid.*, 25:596-601. 1931.

- "Progress in the roentgenologic diagnosis of diaphragmatic hernia" (with A. B. Moore). *Journal of the American Medical Association*, 95:1966-69. 1930.
- "Preston M. Hickey. An appreciation." *American Journal of Radiology*, 25:172-73. 1931.
- "Roentgenologic manifestations of the more common inflammatory diseases of the lungs." *Wisconsin Medical Journal*, 30:89-92. 1931.

JOHN DEXTER CAMP, B.S., B.Ch., M.D., Instructor in Radiology

- "Further observations on the direct roentgenologic signs of gastrojejunal and jejunal ulcer." *Radiology*, 15:274-78. 1930.
- "The roentgenologic significance of pyloric and prepyloric deformities." *Ibid.*, 16:847-55. 1930.
- "Intracranial calcification and its roentgenologic significance." *American Journal of Roentgenology*, 23:615-24. 1930.
- "Peptic ulcer at the juncture of the esophagus and cardia; and ulceration of the esophagus" (with H. J. Moersch and G. B. Eusterman). *Medical Clinics of North America*, 14:565-71. 1930.
- "Roentgenologic signs of postoperative gastrojejunal and jejunal ulcer. *Ibid.*, 14:767-72. 1930.

FRANCES ADELIA FORD, M.D., M.S. in Medicine, Instructor in Radiology

- "Distant metastasis in carcinoma of the cervix of the uterus." *Minnesota Medicine*, 13:489-94. 1930.
- "Irradiation therapy in ovarian disorders." *Radiology*, 16:936-41. 1931.

ROBERT ELMER FRICKE, B.A., M.D., Instructor in Radiology

- "The present status of radiotherapy for carcinoma of the uterine cervix" (with H. H. Bowing). *Radiologic Review*, 52:124-26. 1930.
- "Results obtained by irradiation of carcinoma of the cervix uteri" (with H. H. Bowing). *Journal Lancet*, 51:195-99. 1931.
- "Irradiation of carcinoma of the cervix uteri" (with H. H. Bowing). *Minnesota Medicine*, 14:237-44. 1931.
- "Treatment of carcinoma of the rectum by radium" (with H. H. Bowing, F. R. Harper, and L. A. Buie). *American Journal of Roentgenology*, 25:644-53. 1931.

EUGENE THOMAS LEDDY, B.A., M.D., Instructor in Radiology

- "The roentgen treatment of metastasis to the vertebrae and the bone of the pelvis from carcinoma of the breast." *American Journal of Roentgenology and Radium Therapy*, 24:657-72. 1930.
- "The treatment of boils and carbuncles by roentgen rays" (with S. A. Morton). *Minnesota Medicine*, 13:554-55. 1930.
- "The effect of varying volumes of air on the distribution of roentgen energy in a non-homogeneous medium" (with V. Witting). *Radiology*, 15:579-84. 1930.

SURGERY

DONALD CHURCH BALFOUR, M.D., Professor of Surgery

- "Sarcoma of the stomach" (with J. C. McCann). *Surgery, Gynecology, and Obstetrics*, 50:948-53. 1930.
- "Evaluation of statistics" (editorial). *Ibid.*, 51:135-36. 1930.
- "Results of gastroenterostomy for ulcer of the duodenum and stomach." *Annals of Surgery*, 92:558-62. 1930.
- "Recent progress in surgery" (with A. H. McIndoe). *International Clinics*, Series 40, Vol. 1, pp. 266-92. March, 1930.
- "Recent advances in surgery" (with H. I. Down). *Ibid.*, Series 41, Vol. 1, pp. 268-302. March, 1931.

WILLIAM FREDERICK BRAASCH, B.S., M.D., Professor of Urology

- "Resection of the renal pelvis, the kidney and the ureter for urinary obstruction and hydronephrosis" (with W. Walters). *Journal of the American Medical Association*, 93:1710-15. 1929.
- "Intravenous urography" (editorial). *Surgery, Gynecology, and Obstetrics*, 51:421-23. 1930.
- "Resection of the presacral nerve in the treatment of cord bladder" (with J. R. Learmonth). *Ibid.*, 51:494-99. 1930.
- "Tuberculosis of the kidney." *Journal of Urology*, 23:669-85. 1930.
- "Anomalous renal rotation and associated anomalies." *Ibid.*, 25:9-21. 1931.
- "The value of uroselectan in renal lithiasis." *Ibid.*, 25:265-74. 1931.
- "Intravenous urography." *American Journal of Roentgenology*, 25:196-208. 1931.

HUGH CABOT, B.A., M.D., LL.D., Professor of Surgery

- "Coccus infections of the kidney; their frequency and their relation to the upper respiratory tract" (with R. M. Nesbit). *Annals of Surgery*, 92:766-73. 1930.
- "The choice of anesthetics with particular reference to the protection of the patient" (with H. Lamb). *Ohio State Medical Journal*, 26:997-1001. 1930.
- "Postoperative lung complications" (editorial). *Surgery, Gynecology, and Obstetrics*, 52:120-21. 1931.
- "The changing relation between nursing and medicine." *Modern Hospital*, 36:57-60. 1931.
- "Explosions occurring during the use of ethylene" (with F. D. Johnston). *Archives of Surgery*, 22:195-224. 1931.

MELVIN STARKEY HENDERSON, M.D., Professor of Orthopedic Surgery

- "The increasing incidence of fractures" (editorial). *Surgery, Gynecology, and Obstetrics*, 51:561-63. 1930.
- "Injuries to the semilunar cartilages of the knee joint." *Ibid.*, 51:720-26. 1930.
- "The treatment of chronic 'infectious' arthritis by sympathetic ganglionectomy and trunk resection" (with P. S. Hench, L. G. Rowntree, and A. W. Adson). *Journal of Laboratory and Clinical Medicine*, 15:1247-56. 1930.
- "Habitual dislocation of the shoulder: results of treatment, especially by the tenosuspension operation." *Journal of the American Medical Association*, 95:1653-58. 1930.
- "Fractures with special reference to the hip, ankle and elbow." *Archives of Surgery*, 93:968-83. 1931.

EDWARD STARR JUDD, M.D., Professor of Surgery

- "Gastric and duodenal ulcers. Disease of the gall bladder." *Interstate Postgraduate Medical Assembly of North America, Proceedings*, pp. 359-64. 1929.
- "Cholecystitis." *Ibid.*, pp. 375-78. 1929.
- "Art of surgery." *Surgery, Gynecology, and Obstetrics*, 51:479-83. 1930.
- "The surgical treatment of hyperinsulinism" (with W. C. Boeck and F. N. Allan). *Journal of the American Medical Association*, 94:1116-19. 1930.
- "Gallstones of the ampulla of Vater" (with J. M. Marshall). *Ibid.*, 95:1061-64. 1930.
- "Total gastrectomy with report of a successful case" (with J. M. Marshall). *Surgery, Gynecology, and Obstetrics*, 50:1008-11. 1930.
- "The complications and sequelae of prolonged obstructive jaundice" (with F. R. Vanzant and A. M. Snell). *Medical Clinics of North America*, 13:1417-38. 1930.
- "Pharyngo-esophageal mediastinal fistula reentering the esophagus: report of a case" (with H. J. Moersch). *Minnesota Medicine*, 13:413-15. 1930.
- "The results of operations for excision of ulcer of the duodenum" (with M. E. Hazeltine). *Annals of Surgery*, 92:563-73. 1930.
- "Some historic considerations of the development of surgery of the biliary tract" (with A. H. McIndoe). *Southern Medical Journal*, 24:42-45. 1931.
- "A review of urologic surgery" (with A. J. Scholl, L. D. Keyser, G. S. Foulds, J. Verbrugge, and A. A. Kitzman). *Archives of Surgery*, 21:162-84, 865-86, 1040-56. 1930; 22:503-26, 666-90. 1931.

"Pancreatic cysts: report of forty-seven cases" (with H. Mattson and H. R. Mahorner). *Ibid.*, 22:838-49. 1931.

"Ulcers of the stomach and duodenum" (with J. M. Marshall). *Medical Arts*, 34:11-13. 1931.

"The importance of overshadowed or silent diseases, with special reference to hyperthyroidism" (with C. F. Dixon). *Western Journal of Surgery*, 1:699-701. November, 1930.

FRANK CHARLES MANN, M.A., M.D., Professor of Experimental Surgery

"The reaction of the content of the gastro-intestinal tract" (with J. L. Bollman). *Journal of the American Medical Association*, 95:1722-24. 1930.

"Digestion: Efficiency with various foods and under various conditions" (with W. C. Alvarez and J. H. Childrey). *Archives of Internal Medicine*, 46:361-74. 1930.

"The hydrogen-ion concentration of the contents of the intestine" (with J. L. Bollman). *Archives of Pathology*, 9:1293. 1930.

"*Pseudomonas pyocanea* a significant factor in a disease of chickens" (with H. E. Essex and F. D. McKenney). *Journal of the American Veterinary Medical Association*, 77:174-81. 1930.

"Researches on the physiology of the blood: review of data published in America during 1929" (with C. M. Wilhelmj). *Folia Haematologica*, 43:235-46. 1930.

"Experimentally produced lesions of the liver." *Western Journal of Surgery*, 49:784-85. 1930.

"The influence of nutrition on the response to certain amino acids. I. The effect of fasting" (with C. M. Wilhelmj). *American Journal of Physiology*, 93:69-85. 1930; II. "The effect of fasting followed by diets high in carbohydrates" (with C. M. Wilhelmj). *Ibid.*, 93:258-66. 1930.

"The rôle of the lung in the metabolism of fat" (with C. Markowitz). *Ibid.*, 93:521-27. 1930.

"The relation of the liver to the utilization of levulose" (with J. L. Bollman). *Ibid.*, 93:671-72. 1930.

"The rôle of glycogen in the contraction of the perfused heart of the rabbit" (with J. Markowitz and V. Witting). *Ibid.*, 94:35-40. 1930.

"A plethysmographic study of the thyroid gland of the dog" (with J. B. Mason and J. Markowitz). *Ibid.*, 94:125-34. 1930.

"The physiologic action of the venom of the honeybee (*Apis mellifera*)" (with H. E. Essex and J. Markowitz). *Ibid.*, 94:209-14. 1930.

"The physiology of the liver. XIX. The utilization of fructose following complete removal of the liver" (with J. L. Bollman). *Ibid.*, 96:683-95. 1930.

"Studies on the physiology of the liver. XX. The detoxicating function of the liver with special reference to strychnine" (with J. T. Priestley and J. Markowitz). *Ibid.*, 96:696-708. 1930; XXI. "The rôle of the liver in the formation of lymph" (with C. Markowitz). *Ibid.*, 96:709-12. 1931.

"The physiologic action of rattlesnake venom (crotalin). IX. Activity of protein fractions of crotalin" (with H. E. Essex and J. Markowitz). *Ibid.*, 97:22-25. 1931.

"Studies on immunity of rattlesnake venom (crotalin)" (with J. Markowitz and H. E. Essex). *Ibid.*, 97:180-99. 1931.

"The experimental transplantation of the ureteral orifices to the anterior wall of the abdomen" (with J. M. McCaughan). *Annals of Surgery*, 93:637-38. 1931.

"A method for making a satisfactory fistula at any level of the gastro-intestinal tract" (with J. L. Bollman). *Ibid.*, 93:794-97. 1931.

"The physiology of the liver." *Journal of Medicine*, 12:128-31. 1931.

CHARLES HORACE MAYO, M.A., LL.D., M.D., B.Sc., F.A.C.S., Professor of Surgery

"Abdominal pain." *Inter-State Postgraduate Medical Assembly of North America, Proceedings*, pp. 107-11. 1929.

"Chemical hysterectomy." *Transactions of the Southern Surgical Association*, 42:79-82. 1929.

- "Enfermedades neoplasicas" (with W. J. Mayo). *Gaceta medica Espanola*, 4:446-50. 1930.
- "The function of the liver in relation to surgery. La funcion del higado en relacion con la cirugia." *Anales de Cirugia*, 2:120-29. 1930.
- "Philosophic considerations of the gallbladder." *Annals of Surgery*, 92:640-43. 1930.
- "Carcinoma of the cervical stump following subtotal hysterectomy" (with Charles Mayo, 2nd). *Ibid.*, 93:1215-19. 1931.

ALFRED WASHINGTON ADSON, M.D., M.A., M.S. in Surgery, Associate Professor of Surgery

- "Physiologic effects of thoracic and lumbar sympathetic ganglionectomy or trunk-section" (with G. E. Brown). Chapter 33, pages 721-65, in *Association for Research in Nervous and Mental Disease, Vol. IX. The Vegetable Nervous System*. Baltimore: Williams and Wilkins Company. 1930.
- "Bilateral lumbar and thoracic sympathetic ganglionectomy and ramiseotomy for polyarthritis of the lower end and of the upper extremities" (with L. G. Rowntree). *Transactions of the Association of American Physicians*, 44:221-30. 1929.
- "Further results of sympathetic ganglionectomy and ramiseotomy in chronic and infectious arthritis" (with J. G. Mayo and L. G. Rowntree). *Medical Clinics of North America*, 13:1529-32. 1930.
- "Diagnostic and physiologic studies in certain forms of scleroderma" (with G. E. Brown and P. A. O'Leary). *Annals of Internal Medicine*, 4:531-54. 1930.
- "Surgical treatment of vasospastic types of scleroderma by resection of sympathetic ganglia and trunks" (with P. A. O'Leary and G. E. Brown). *Ibid.*, 4:555-68. 1930.
- "The treatment of chronic 'infectious' arthritis by sympathetic ganglionectomy and trunk resection, in the treatment of peripheral vascular diseases." *Colorado Medicine, of Laboratory and Clinical Medicine*, 15:1247-56. 1930.
- "The treatment of injuries to the head." *International Journal of Medicine and Surgery*, 43:617-20. 1930.
- "Indications for, and the therapeutic value of sympathetic ganglionectomy and trunk resection, in the treatment of peripheral vascular diseases." *Colorado Medicine*, 27:460-67. 1930.
- "Results of resection of sympathetic ganglia and trunks in seventeen cases of chronic 'infectious' arthritis" (with L. G. Rowntree and P. S. Hench). *Annals of Internal Medicine*, 4:447-54. 1930; *Transactions of the Association of American Physicians*, 45:226-39. 1930.
- "Cervicothoracic ganglionectomy, trunk resection and ramiseotomy by the posterior intrathoracic approach." *American Journal of Surgery*, 11:227-32. 1931.
- "Intramedullary tumors of the spinal cord: review of fifty-one cases with an attempt at histologic classification" (with J. W. Kernohan and H. W. Woltman). *Archives of Neurology and Psychiatry*, 25:679-701. 1931.
- "Sympathectomy for peripheral vascular diseases." *Physiotherapy Review*, 11:42. 1931.

LOUIS ARTHUR BUIE, B.A., M.D., Associate Professor of Surgery

- "Factitial proctitis: a justifiable lesion observed in patients following irradiation" (with G. E. Malmgren). *International Clinics*, 3:68-77. 1930.
- "Carcinoma of the rectum treated by radium" with H. H. Bowling, F. R. Harper, and R. E. Fricke). *American Journal of Roentgenology*, 25:641-53. 1931.

HERMAN C. BUMPUS, JR., Ph.B., M.D., M.S. in Urology, Associate Professor of Urology

- "Interstitial cystitis: its treatment by overdistension of the bladder." *Medical Clinics of North America*, 13:1495-98. 1930.

- "Renal tuberculosis: changing conception in the decade 1920-1930" (with G. J. Thompson). *American Journal of Surgery*, 9:545-51. 1930.
- "Diagnosis of ureteral kinks after intravenous medication" (with G. J. Thompson). (Editorial.) *Radiology*, 15:504. 1930.
- "Intravenous urography." *Journal Lancet*, 51:10-13. 1931.
- "History of regional anesthesia in urology." *Journal of the American Medical Association*, 96:83-88. 1931.
- "Unusual duplication of renal pelvis." *Journal of Urology*, 25:39-41. 1931.
- "Tests of function of each kidney separately: a comparison of the value of specific gravity of urine with excretion of phenolsulphonephthalein." *Ibid.*, 25:387-94. 1931.

JOHN LEWIS CRENSHAW, M.D., Associate Professor of Urology

- "Renal tuberculosis with calcification." *Journal of Urology*, 23:515-33. 1930.
- "Vesical diverticulum in the female" (with F. W. Schacht). *Ibid.*, 24:393-410. 1930.

BOYD S. GARDNER, D.D.S., Associate Professor of Dental Surgery

- "The value of yearly general examinations in the practice of dentistry." *Dental Survey*, 6:29-32. 1930.
- "Extraction of teeth; emphasizing the advantages of local anesthesia in difficult cases." *Journal of the American Dental Association*, 18:105-10. 1931.

STUART WILLIAM HARRINGTON, M.D., M.S. in Surgery, Associate Professor of Surgery

- "Amebic hepatic subphrenic and pulmonary abscesses." *Archives of Surgery*, 21:1146-60. 1930.
- "Diaphragmatic hernia associated with traumatic gastric erosion and ulcer." *Surgery, Gynecology, and Obstetrics*, 51:504-21. 1930.
- "Intrathoracic new growths: results of surgical treatment in twenty-four cases." *Ibid.*, 51:647-66. 1930.
- "Surgical treatment of tumors of the lung and mediastinum." *Ibid.*, 52:417-27. 1931.

VERNE CARLETON HUNT, B.S., M.D., M.S. in Surgery, Associate Professor of Surgery

- "Renal tuberculosis." *Ohio State Medical Journal*, 26:411-14. 1930.
- "A consideration of the surgical procedures in the treatment of malignant disease of the urinary bladder." *American Journal of Surgery*, 10:69-77. 1930.
- "The surgical treatment of duodenal and gastric ulcer." *California and Western Medicine*, 34:11-15. 1931.
- "Actinomycosis of the kidney" (with Charles Mayo, 2nd). *Annals of Surgery*, 93:501-5. 1931.

JAMES CARROTHERS MASSON, M.D., Associate Professor of Surgery

- "The problem of the control of cancer with special reference to cancer of the uterus." *Journal of the American Medical Association*, 1929; *Transactions of Section on Obstetrics, Gynecology, and Abdominal Surgery of the American Medical Association*, 1929, pages 1-9.
- "Pseudomyxoma peritonaei originating from mucocele of the appendix" (with R. A. Hamrick). *Surgery, Gynecology, and Obstetrics*, 50:1023-29. 1930.
- "Pseudomyxoma peritonaei secondary to ovarian cyst adenoma" (with R. A. Hamrick). *Canadian Medical Association Journal*, 22:508-12. 1930.
- "Extra-uterine pregnancy: antecedent and subsequent histories of 471 cases." *Minnesota Medicine*, 13:822-25. 1930.
- "The trend of present-day medical education." *Journal of the American Medical Association*, 95:765-66. 1930.

HENRY WILLIAM MEYERDING, M.D., M.S. in Orthopedic Surgery, Associate Professor of Orthopedic Surgery

"Spondylolisthesis." *Journal of Bone and Joint Surgery*, 13:39-48. 1931.

JOHN DE JARNETTE PEMBERTON, B.A., M.D., M.S. in Surgery, Associate Professor of Surgery

"Recurring exophthalmic goiter; its relation to the amount of tissue removed in operation on the thyroid gland." *Journal of the American Medical Association*, 94:1483-89. 1930.

"Hyperparathyroidism: with report of a case" (with K. B. Geddie). *Annals of Surgery*, 92:202-11. 1930.

"Postoperative parathyroid insufficiency" (with W. M. Boothby and S. F. Haines). *American Journal of the Medical Sciences*, 181:81-96. 1931.

FRED WHARTON RANKIN, M.A., M.D., Associate Professor of Surgery

"Cancer of the colon and rectum." *Interstate Postgraduate Medical Assembly of North America*, pp. 333-37. 1929.

"The surgical treatment of exophthalmic goiter." *Journal of the Oklahoma State Medical Association*, 22:343-46. 1929.

"Carcinoma of the rectum in young persons" (with M. W. Comfort). *Journal of the Tennessee State Medical Association*, 22:37-42. 1929.

"Malignancy of the large bowel." *Northwest Medicine*, 29:500-505. 1930.

"Surgical procedures for lesions of the colon." *Journal of the Indiana State Medical Association*, 23:517-21. 1930.

"A review of surgery of the colon and rectum at the Mayo Clinic for the year 1929." *International Clinics*, 3:188-201. 1930.

"Ulcerative colitis as a complication of abdominal operations" (with J. A. Bargaen). *Minnesota Medicine*, 13:375-78. 1930.

"The diagnosis of malignant conditions of the colon." *Ibid.*, 13:796-802. 1930.

"Diverticulitis of the colon" (with P. W. Brown). *Interstate Postgraduate Medical Assembly of North America*, 319-27. 1929; *Surgery, Gynecology, and Obstetrics*, 50:836-47. 1930.

"Carcinoma of the small bowel" (with Charles Mayo, 2nd). *Surgery, Gynecology, and Obstetrics*, 50:939-47. 1930.

"The element of time in graded operations" (editorial). *Ibid.*, 52:784-85. 1931.

"Section of the sympathetic nerves of the distal part of the colon and the rectum in the treatment of Hirschsprung's disease and certain types of constipation" (with J. R. Learmonth). *Annals of Surgery*, 92:710-20. 1930.

"Postoperative parotiditis: treatment without and with radium" (with B. M. Palmer). *Ibid.*, 92:1007-13. 1930.

"Splenectomy for haemorrhagic purpura of children" (with R. S. Anderson). *Ibid.*, 93:749-54. 1931.

"Tumors of the carotid body: report of twelve cases including one of bilateral tumor" (with W. L. A. Wellbrock). *Ibid.*, 93:801-10. 1931.

"Vaccination against peritonitis in surgery of the colon: further report" (with J. A. Bargaen). *Archives of Surgery*, 22:98-105. 1931.

"Primary fibromyxochondrosarcoma of endometrial stroma" (with A. C. Broders). *American Journal of Surgery*, 12:74-75. 1931.

WALTMAN WALTERS, M.D., M.S. in Surgery, Associate Professor of Surgery

"Resection of the renal pelvis, the kidney and ureter for urinary obstruction and hydronephrosis" (with W. F. Braasch). *Journal of the American Medical Association*, 93:1710-15. 1929.

"Physiological and chemical studies following successful total gastrectomy for carcinoma." *Ibid.*, 95:102-6. 1930.

- "Indications for and results of conservative operations on the kidney." *Ibid.*, 95:1335-38. 1930.
- "The composition of the bile following the relief of biliary obstruction" (with C. H. Fredrickson and C. H. Greene). *Journal of Clinical Investigation*, 9:30. 1930.
- "Leiomyosarcoma of the urinary bladder" (with H. D. Caylor). *Journal of Urology*, 24:303-11. 1930.
- "Resection of the renal pelvis for hydronephrosis: its complications and results." *Surgery, Gynecology, and Obstetrics*, 51:711-16. 1930.
- "Operations on solitary kidneys and ureters: report of fifty-two cases" (with W. C. Wright). *Ibid.*, 51:836-39. 1930.
- "The composition of the bile following the relief of biliary obstruction: report of a series of illustrative cases" (with C. H. Fredrickson and C. H. Greene). *Annals of Surgery*, 91:686-93. 1930.
- "The surgical treatment of some congenital abnormalities of the genito-urinary tract." *Ibid.*, 93:862-67. 1931.
- "Obstructive jaundice: its surgical aspects." *Ibid.*, 93:1137-41. 1931.
- "Intermittent obstructive jaundice due to neuroma of the cystic bile duct" (with M. W. Comfort). *Ibid.*, 93:1142-45. 1931.
- "Malignant lesions of the kidneys, bladder and prostate gland and testes." *Minnesota Medicine*, 13:808-12. 1930.
- "Fibrosarcoma of a Meckel's diverticulum producing intestinal hemorrhage" (with L. S. Faust). *Ibid.*, 14:233-36. 1931.
- "Surgical treatment of gastric lesions." *Northwest Medicine*, 30:175-78. 1931.
- "Functional tests in the surgical diagnosis and treatment of diseases of the liver and bile ducts" (with A. M. Snell and C. H. Greene). *Journal of Laboratory and Clinical Medicine*, 16:765-74. 1931.

LOUIE THOMAS AUSTIN, D.D.S., Assistant Professor of Dental Surgery

- "The effect of studies on focal infection in dentistry with special reference to the extraction of teeth." *Ohio State Dental Society Bulletin*, 2:101-5. 1929.
- "A review of forty cases of retained fractured roots of anterior teeth." *Journal of the American Dental Association*, 17:1930-32. 1930.
- "Retained deciduous teeth" (with E. C. Stafne). *Dental Cosmos*, 72:707-12. 1930.

WINCHELL MCKENDREE CRAIG, B.A., M.D., Assistant Professor of Surgery

- "Evidence shown in roentgenograms of changes in the vascular tree following experimental sympathetic ganglionectomy" (with B. T. Horton). *Archives of Surgery*, 21:698-701. 1930.
- "Head injuries." *Minnesota Medicine*, 14:131-34. 1931.
- "Chiasmal syndrome produced by chronic local arachnoiditis: Report of eight cases" (with W. I. Lillie). *Archives of Ophthalmology*, 5:558-74. 1931.
- "Spinal cord compression: Tumors and allied non-traumatic conditions." *American Journal of Surgery*, 12:303-13. 1931.

RALPH KALB GHORMLEY, B.S., M.D., Assistant Professor of Orthopedic Surgery

- "Forty-second report of progress in orthopedic surgery" (with others). *Archives of Surgery*, 21:539-54, 702-16. 1930.
- "Forty-third report of progress in orthopedic surgery" (with others). *Ibid.*, 22:325-52. 1931.
- "Forty-fourth report of progress of orthopedic surgery" (with others). *Ibid.*, 22:857-74. 1931.
- "Backache from the orthopedic viewpoint." *Minnesota Medicine*, 14:249-53. 1931.

JAMES ROGNVALD LEARMONTH, M.B., Ch.M., Assistant Professor of Surgery

- "Tumor of the gasserian ganglion: sheath neuroma" (with J. W. Kernohan). *Brain*, 53:86-91. 1930.

- "Resection of the presacral nerve in the treatment of cord bladder" (with W. F. Braasch). *Surgery, Gynecology, and Obstetrics*, 51:494-99. 1930.
- "Studies on the innervation of the large bowel. II. The influence of the lumbar colonic nerves on the distal part of the colon" (with J. Markowitz). *American Journal of Physiology*, 94:501-4. 1930.
- "Injuries of the spinal cord and spinal column" (with H. W. Woltman). *Medical Clinics of North America*, 13:1325-46. 1930.
- "Section of the sympathetic nerves of the distal part of the colon and the rectum in the treatment of Hirschsprung's disease and certain types of constipation" (with F. W. Rankin). *Annals of Surgery*, 92:710-20. 1930.

WILLIAM HARRISON VON LACKUM, B.S., M.D., Assistant Professor of Urology

- "Gonorrhoeal spurs a misnomer" (with E. J. Palmoque). *Journal of the American Medical Association*, 95:472-73. 1930.
- "Prostatitis and other foci of infection in relation to low backache" (with S. G. Major). *Medical Journal and Record*, 132:365-67. 1930.

VIRGIL SHEETZ COUNSELLER, B.S., M.D., M.S. in Surgery, Instructor in Surgery

- "Chemical hysterectomy." *Surgical Clinics of North America*, 10:155-57. 1930.
- "Results of various operations for prolapse of the uterus" (with L. J. Stacy). *Journal of the American Medical Association*, 95:983-88. 1930.
- "Leukoplakic vulvitis or kraurosis vulvae; its relation to carcinoma and its surgical treatment." *Minnesota Medicine*, 14:312-18. 1931.

CLAUDE FRANK DIXON, B.S., M.D., M.S. in Surgery, Instructor in Surgery

- "Medical and surgical aspects of goiter." *New Orleans Medical and Surgical Journal*, 82:735-40. 1930.
- "General considerations of surgical conditions of the thyroid gland" (with W. A. Dawley). *Journal Lancet*, 50:437-41. 1930.
- "The use of several new derivatives of barbituric acid" (with J. S. Lundy). *Minnesota Medicine*, 13:679-81. 1930.
- "The importance of overshadowed or silent diseases, with special reference to hyperthyroidism" (with E. S. Judd). *Western Journal of Surgery*, 1:699-701. 1930.

EDWARD C. STAFNE, D.D.S., Instructor in Dental Surgery

- "Retained deciduous teeth" (with L. T. Austin). *Dental Cosmos*, 72:707-12. 1930.

LOUIS GEORGE STUHLER, M.D., Instructor in Urology

- "The prostate gland as a focus of infection in arthritis" (with A. A. C. Nickel). *Medical Clinics of North America*, 13:1519-27. 1930.
- "Purpura of infectious origin (*Urticaria hemorrhagica*)" (with A. A. C. Nickel). *Ibid.*, 14:805-10. 1930.

THE SCHOOL OF BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION

RUSSELL ALGER STEVENSON, Ph.D., Dean of the School of Business Administration

- "Accounting in the engineering curriculum." *Accounting Review*, 5:205-8. December, 1929.
- "Avenues of entry to the accounting profession." *Ibid.*, 6:140-41. June, 1931.
- "The transfer student in the School of Business Administration at the University of Minnesota." *Journal of Business of the University of Chicago*, Vol. 3, Pt. 2, No. 4, pp. 138-53. 1930.

GEORGE FILIPETTI, Ph.D., Professor of Economics and Business Administration

"Engineering courses in school of business curricula." *Journal of Engineering Education*, 21:318-23. 1930.

"Instalment credit and business depression." *Management Review*, 20:3-6. 1931.

ROLAND SNOW VAILE, M.A., Professor of Marketing

"The effects of advertising during depressions." *Printer's Ink*, 154:41-44. January 1, 1931.

ARTHUR BORAK, Ph.D., Assistant Professor of Economics

"The Chicago, Milwaukee, and St. Paul Railroad: Recent history of the last trans-continental." *Journal of Economic and Business History*, 3:81-117. 1930.

WALTER RALEIGH MYERS, Ph.D., Assistant Professor of Business Administration

"Bank failures and bank mergers." *Interpreter*, 5:1-4. May, 1931.

HARRY J. OSTLUND, B.A., Assistant Professor of Accounting

Some Cost Aspects of the Featuring of Retail Drug Store Merchandise in Ten Cent Sizes. New York: Statistical Division, National Wholesale Druggists' Association, Bulletin 13. July, 1930. 7 pages.

The Utilization of Salesmen by Service Wholesale Druggists. New York: Statistical Division, National Wholesale Druggists' Association, Bulletin 14. December, 1930. 12 pages.

WAYNE E. BUTTERBAUGH,¹ M.S., Professorial Lecturer on Traffic and Transportation

Transportation. New York: Alexander Hamilton Institute. 1930. 345 pages.

Industrial Traffic Management. Washington: U. S. Department of Commerce, Transportation Division. 172 pages.

"Trend of traffic education." *Portland Traffic Broadcast*, Vol. 8, No. 6. November, 1930.

"Education progress in traffic management." *Associated Traffic Clubs of America Bulletin.* November, 1930.

"Industrial waste in transportation." *British Transport Weekly.* December, 1930.

"General survey of traffic education," *International Trade and Finance*, Vol. 7, No. 2. December, 1930.

"Traffic education methods," Part I. *Ibid.*, Vol. 7, No. 3. January, 1931; Part II. *Ibid.*, Vol. 7, No. 4. February, 1931.

"Railroad land grants." *Traffic World*, Vol. 19, No. 8. February, 1931.

"Do railways and inland waterways compete for the same traffic?" *Ibid.*, Vol. 19, No. 9. March, 1931.

Series of 5 articles on Traffic Administration, Materials Handling and Distribution. Vol. 4:7-8-9-10-11. Oct., Nov., Dec., 1930-Jan., Feb., 1931.

"The business man's view of traffic management." *Railway and Marine News*, Vol. 15, No. 5. April, 1931.

BEN W. PALMER, M.A., LL.B., Lecturer in Business Administration

"Anniversaries." *Minneapolis Tribune*, daily for one year beginning October 1, 1930.

AMBROSE FULLER, Assistant in Business Administration

"Legislative results of interest to municipalities." *Minnesota Municipalities*, 16:226-31. June, 1931.

¹ Died June 24, 1931.

ECONOMICS

ROY G. BLAKEY, Ph.D., Professor of Economics

- Report on Taxation in West Virginia* (submitted to the governor of West Virginia).
Charleston: The State of West Virginia. 1931. xxviii and 452 pages.
- State Income Taxation*. League of Minnesota Municipalities Publication No. 31. 1930.
iii and 34 pages. Reprinted in *Minnesota Municipalities*, 16:19-31, 65-76, 130-33.
1931.
- "Special state tax investigations." Paper given at Conference of the National Tax Association, Kansas City, Missouri, October 23, 1930. *Proceedings of National Tax Association*, 23:366-70. 1931.

ALVIN H. HANSEN, Ph.D., Professor of Economics

- "The decline of laissez faire." *American Economic Review, Supplement*, 30:8-9. 1931.
- "The business depression of 1930." *Ibid.*, 30:198-201. 1931.
- "World-wide business depression." *Gopher Business News*, 5:26-27. 1930; 6:7, 19.
1931.
- Reviews of
- E. L. Kirkpatrick, *The Farmer's Standard of Living* in *Journal of the American Statistical Association*, 25:233-34. 1930.
- John P. Bibby, *Unemployment: An Analysis and Suggested Solutions* in *American Economic Review*, 20:523-25. 1930.
- William F. Ogburn and William Jaffe, *The Economic Development of Post-war France: A Survey of Production* in *ibid.*, 20:705-7. 1930.
- Paul H. Douglas, *Real Wages in the United States, 1890-1926* in *ibid.*, 20:747-52. 1930.

ARTHUR WILLIAM MARGET, Ph.D., Professor of Economics and Banking

- "Irving Fishers Theorie des Zinsens." *Zeitschrift für Nationalökonomie*, 2:665-85. 1931.
- "The present business depression: prospect for an early revival." *Gopher Business News*, 5:3-4. 1930.
- Reviews of
- Friedrich A. Hayek, *Geldtheorie und Konjunkturtheorie* in *American Economic Review*, 20:269-70. 1930.
- Bruno Moll, *Logik des Geldes* in *Journal of Political Economy*, 39:262-63. 1931.
- I. Fisher, *The Theory of Interest* in *Zeitschrift für Nationalökonomie*, 2:665-85. 1931.

BRUCE D. MUDGETT, Ph.D., Professor of Economics and Statistics

- "The college aptitude and psychological test ratings in their relation to scholastic performance by School of Business Administration students." Mimeographed pages.

EMERSON P. SCHMIDT, M.A., Assistant Professor of Economics

- "The changing economics of the Supreme Court." *Annals of the American Academy of Political and Social Science*, 147:61-66. 1930.
- "Terminable public utility franchises." *Pacific Municipalities*, pp. 47-48. February, 1930.
- "The present impasse of old age pensions." *Social Science*, 5:157-66. 1930.
- "Public ownership: a social philosophy or economic expedient." *Commonwealth Review*, 12:154-55. 1930.
- "The regulation of interstate public utilities." *Ibid.*, 12:208-14. 1930.
- "Public utility districts provided in Oregon." *Ibid.*, 12:279-81. 1930.
- "Labor displacement in the street railway industry." *National Municipal Review*, 19:459-60. 1930.
- "War-debt and war-indemnity scholarship plan" (with Philip George Nesperius). *Christian Science Monitor*, September 22, 1930.
- "An oversight in unemployment figures." *New Republic*, 64:154. 1930.
- "Public utility power districts for Oregon." *Public Ownership*, 12:212-13. 1930.
- "Unemployment severity rates." *American Federationist*, 38:173-74. 1931.

"Movement for the public ownership of power in Oregon." *Journal of Land and Public Utility Economics*, 7:52-60. 1931.

"Municipal ownership re-adapted." *Public Utilities Fortnightly*, 7:732-40. 1931.

"Public utility districts in Oregon." *Oregon Journal*, August 12, 1930, and numerous other newspapers.

Reviews of

National Industrial Conference Board, *Mergers in Industry* in *American Federationist*, 37:603-4. 1930.

Mary La. Dame, *The Filene Store* in *ibid.*, 37:1134-35. 1930.

E. H. Spengler, *Land Values in New York in Relation to Transit Facilities* in *ibid.*, 38:877-78. 1931.

E. Sait, *Democracy in Commonwealth Review*, 12:87-88. 1930.

ROBERT M. WEIDENHAMMER, Ph.D., Assistant Professor of Business Economics

"Anti-Trust Gesetze gegen Radiomonopol." *Magazin der Wirtschaft*, 6:1636-40. August, 1930.

Reviews of

R. W. Goldschmidt, *Das deutsche Grossbankkapital in seiner neuen Entwicklung* in *American Economic Review*, 18:722. December, 1929.

Seager and Gulick, *The Trust Problem* in *ibid.*, 19:514-18. September, 1930.

Joseph S. Lawrence, *Wallstreet and Washington* in *ibid.*, 19:764-66. December, 1930.

A. Salz, *Macht und Wirtschaftsgesetz* in *ibid.*, 20:101. March, 1931.

H. Levy, *Volkscharakter und Wirtschaft ein wirtschafts—philosophisches essay* in *ibid.*, 20:115. March, 1931.

Keezer and May, *Public Control of Business* in *ibid.*, 20:146-47. March, 1931.

Herbert Feist, *Europe: the World's Banker, 1870-1914* in *ibid.*, 20:165-66. March, 1931.

Paul Deutsch, *Konjunktur und Unternehmung* in *Accounting Review*, 5:197. June, 1930.

Adolph Hertlein, *Die Kapital—und Erfolgsrechnung als Grundlage der Wirtschaftlichkeit* in *ibid.*, 5:198. June, 1930.

Guido Fischer, *Die Kurzfristige Abrechnung* in *ibid.*, 5:270. September, 1930.

Wilhelm Voss, *Handbuch für das Revision und Treuhandwesen* in *ibid.*, 5:273. September, 1930.

John T. Madden and Marcus Nadler, *Foreign Securities* in *Journal of Political Economy*, 28:720-22. December, 1930.

Felix Somary, *Wandlungen der Weltwirtschaft seit dem Weltkriege* in *ibid.*, 29:126-27. February, 1931.

Irving Fisher, *The Stock Market Crash and After* in *Journal of Business of the University of Chicago*, 3:477-78. October, 1930.

Simon S. Kunznets, *Secular Movements of Production and Prizes* in *ibid.*, 4:96-97. January, 1931.

ARTHUR R. UPGREN, B.A., Instructor in Economics

"The course of business recovery in relation to the building industry." *Minnesota Federation of Engineering and Architectural Societies*, 2:26-31. February, 1930.

"Investment trust developments in 1930." *Gopher Business News*, 6:5, 8, 11, 13. 1931.

GENERAL EXTENSION DIVISION

RICHARD R. PRICE, M.A., Ed.D., Professor and Director of University Extension

"University extension." Pages 367-406 in Raymond A. Kent, editor, *Higher Education in America*. Boston: Ginn and Company. 1930.

"Address of welcome." Page 6 in *Conference on Government Relationships, 1930*. University of Minnesota, Bulletin, Vol. 34, No. 24. March 31, 1931.

"It's dogged does it." *Interpreter*, 5:1. January, 1931.

"Functions of the public forum." *Minnesota Chats*, 13:4. June 17, 1931.

ROSS L. FINNEY, Ph.D., Associate Professor of Educational Sociology

"The tide is turning." *Journal of Educational Sociology*, 4:619-24. June, 1931.

ALGERNON H. SPEER, B.A., Head of Correspondence Study Department

"Forward the ten million." *Interpreter*, 3:1. February, 1929.

"Learning the habit of learning." *Ibid.*, 5:1, 4. February, 1931.

"The distinction of worth." *Ibid.*, 4:1. February, 1930; *The Broadcaster*, page 12. September, 1930.

"Going to school—an investment." *Minnesota Parent-Teacher*, 5:506-7. July, 1929.

"Opportunities for a university education through extension courses." *Ibid.*, 5:509. July, 1929.

"Educational opportunities." *Ibid.*, 6:546. September, 1929.

"Opportunities in education." *Ibid.*, 6:770-71. June, 1930.

"A departure at Winnipeg." *Ibid.*, 7:23. November, 1930.

"Thousands take work by correspondence." *Minnesota Alumni Weekly*, 30:263. January, 1931.

"Study by mail broadens field as students increase." *Minnesota Chats*, 13:2. January, 1931.

THOMAS A. H. TEETER, B.S. in C.E., Associate Professor of Engineering and Associate Director of Summer Session

"What factors govern adult education." *Interpreter*, 4:1. May, 1930.

"The Summer Session." *Alumni Weekly*, 18:330. February 14, 1931.

OLIVER C. EDWARDS, M.E., Assistant Professor of Mechanical Engineering

Complete text in trigonometry prepared for Extension classes. University of Minnesota Mimeograph Department.

Complete text in analytic geometry prepared for Extension classes. University of Minnesota Mimeograph Department.

HERBERT SORENSON, Ph.D., Assistant Professor of Educational Psychology

"Adult ages as a factor in learning." *Journal of Educational Psychology*, 31:451-59. September, 1930.

"Some extra-mural and intra-mural comparisons in college ability and achievement." *Journal of Educational Research*, 23:43-46. 1931.

"The pedagogy of visual education." *American Cinematographer*, 11:13, 22. 1931.

"Some psychological factors that operate in adult education." Proceedings of the 38th Annual Meeting of the American Psychological Association, Inc. *Psychological Bulletin*, 28:249-50. 1931.

JOHN WALKER POWELL, B.A., S.T.B., D.D., Lecturer in English Literature

Editorials, *Minneapolis Sunday Journal*.

Mimeographed syllabi for class use.

MUNICIPAL REFERENCE BUREAU

MORRIS B. LAMBIE, Ph.D., Professor of Political Science and Chief of the Municipal Reference Bureau

Reviews of

Leonard D. White and collaborators, *The Civil Service in the Modern State in American Political Science Review*, 25:452. 1931.

R. MacGregor Dawson, *The Civil Service in Canada* in *ibid.*, 25:453. 1931.

Editor

Minnesota Municipalities, 1930-31.

Minnesota Year Book, 1930. Minneapolis: League of Minnesota Municipalities.

Proceedings of Conference on Governmental Relationships, 1930. University of Minnesota Bulletin, Vol. 34, No. 24. 1931.

THE UNIVERSITY LIBRARY

FRANK K. WALTER, M.A., M.L.S., University Librarian, Director of the Division of Library Instruction, and Professor of Library Methods

"German books in the American library." *Recent German Books* (Leipzig), Winter issue, 1930. Pages 3-5.

"Some important foreign books for the small library" (excerpts). *Modern Librarian* (Lahore, India), 1:30-32. December, 1930.

"Clash or cooperation" (editorial). *Libraries*, 36:163. April, 1931.

"Bookmaking a librarian wants." *Library Journal*, 56:388. May 1, 1931.

"The Division of Library Instruction, University of Minnesota." *Minnesota Department of Education, Library Notes and News*, 9:215-16. September, 1930; 10:28-29. June, 1931.

Review of United States Office of Education, Survey of Land-Grant Colleges and Universities. Pt. 8. *Libraries in Journal of Higher Education*, 2:305-11. June, 1931; *Libraries*, 36:225-26. May, 1931.

HAROLD GARFIELD RUSSELL, B.A., B.L.S., Assistant Professor of Library Methods

"The foreign dealer: A study of the booktrade." 1930. 15 mimeographed pages.

EDNA L. GOSS, B.L.S., Head of the Catalog Department

"The cataloging of serials." *Catalogers' and Classifiers' Yearbook, 1930*; (compiled by the Catalog Section of the American Library Association), 2:73-92. 1931.

CLARA BALDWIN, Instructor in Library Instruction

Editor, *Library Notes and News*, 1930-31. Minnesota Department of Education.

DELLA MCGREGOR, Instructor in Library Work with Children

"Who are illustrating our children's books?" *New York Libraries*, 12:65-70. May, 1930.

"Suggestive list of illustrators and some of their work" (summary). *Ibid.*, 12:99-106. August, 1930.

Editor, *Children's Library Yearbook, 1931*, Vol. 3. Chicago: American Library Association. 1931.

HARRIET A. WOOD, Instructor in Library Instruction

"Can school libraries be made to serve a fuller educational purpose?" *League Scrip*, 11:17-19, 35, 38. January, February, 1931.

"County library system wins popular favor." *Minnesota Parent-Teacher*, 7:2. February, 1931.

"Minnesota children do read." *Minnesota Journal of Education*, 11:169-70. January, 1931.

JESSIE L. ARMS, Ph.B., B.L.S., Classifier, University Library

"A short bibliography of classification, 1920-1929." *Special Libraries*, 21:273-75. September, 1930.

THE MUSEUM OF NATURAL HISTORY

THOMAS SADLER ROBERTS, M.D., Professor of Ornithology, Director of the Museum of Natural History, and Professor of Pediatrics Emeritus

"The season, April 15 to June 15, 1930, Minnesota region." *Bird-Lore*, 32:285-88. 1930.

"The season, June 15 to August 15, 1930, Minnesota region." *Ibid.*, 32:363. 1930.

"The season, August 15 to October 15, 1930, Minnesota region." *Ibid.*, 32:436-37. 1930.

- "The season, October 15 to December 15, 1930, Minnesota region." *Ibid.*, 33:17-19. 1930.
- "The season, December 15, 1930, to February 15, 1931, Minnesota region." *Ibid.*, 33:132-34. 1931.
- "The season, February 15 to April 15, 1931. Minnesota region." *Ibid.*, 33:199-201. 1931.
- Mimeographed notes for class use.

WILLIAM KILGORE, Curator, Museum of Natural History

Twelve descriptive labels of approximately five hundred words each to go with portable group habitat cases for school circulation.

INSTITUTE OF CHILD WELFARE

JOHN E. ANDERSON, Ph.D., Professor of Psychology and Director of the Institute of Child Welfare

- Your Child Year by Year* (with F. L. Goodenough). (Revised edition of *A Modern Baby Book and Child Development Record*.) New York: Parents' Publishing Company. 1930. 396 pages.
- Child Care and Training* (with Marion L. Faegre). (3rd edition, revised). Minneapolis: University of Minnesota Press. 1930. 274 pages.
- Experimental Child Study* (with F. L. Goodenough). New York: Century Company. 1931. xv and 544 pages.
- "Preliminary report, Committee on the Infant and Preschool Child." Pages 149-99 in *Preliminary Reports of the White House Conference on Child Health and Protection*. New York: Century Company. 1930.
- "A parent education program." Pages 70-73 in *First Yearbook on Parent Education*. Washington: National Congress of Parents and Teachers. 1930.
- "The Institute of Child Welfare, University of Minnesota." Pages 197-98 in *First Yearbook on Parent Education*. Washington: National Congress of Parents and Teachers. 1930.
- "The infant and preschool child." Report of Section III, Committee B. Pages 153-66 in *White House Conference 1930. Addresses and Abstracts of Committee Reports*. New York: Century Company. 1931.
- "The methods of child psychology." Chapter 1, pages 1-27 in Carl Murchison, editor, *A Handbook of Child Psychology*. Worcester: Clark University Press. 1931.
- "Pediatrics and child psychology." *Journal of the American Medical Association*, 95: 1015-18. 1930.
- "Discover typical American family and typical American child." *School Life*, 16:61-62. 1930.
- "Squaring the family circle" (with Marion L. Faegre). *Journal of Religious Education*, 25:920-24. 1930.
- "The nation surveys its child education." *New York Times*, November 9, 1930.
- "The White House Conference on Child Health and Protection." *Journal-Lancet*, 51: 137-40. 1931.
- "Parent education in the Institute of Child Welfare of the University of Minnesota." *Childhood Education*, 7:257-59. 1931.
- Editor
Child Psychology Number, Psychological Bulletin, Vol. 28, No. 4. April, 1931.
Institute of Child Welfare Monograph Series. Minneapolis: The University of Minnesota Press. 1930, 1931.
- Sixteen-lesson correspondence course on "Later Childhood and Adolescence." (Prepared by Marion L. Faegre). University of Minnesota Mimeograph Department.
- Mimeographed booklets presenting radio talks of Institute of Child Welfare: *The Home as Preparation for Living*, 58 pages, 1930; *Practical Implications of Recent Research in Child Development*, 54 pages, 1931; *The Home Education of Young Children*, 40 pages, 1931. University of Minnesota Mimeograph Department.

JOSEPHINE C. FOSTER, M.A., Ph.D., Principal of the Nursery School and Kindergarten and Associate Professor in the Institute of Child Welfare
The Young Child and His Parents (with J. E. Anderson). (Revised edition.) Minneapolis: University of Minnesota Press. 1930. 247 pages.

"Distribution of the teacher's time among children in the nursery school and kindergarten." *Journal of Educational Research*, 22:172. 1930.

"Play activities of children in the first six grades." *Child Development*, 1:248-54. 1930.

"Social training of the young child." *Journal of the National Education Association*, 20:135. 1931.

ESTHER MCGINNIS, Ph.D., Associate Professor in Charge of Parent Education

"Group discussion." Report of Section III, Committee IIIA, Part II. Pages 176-79 in *White House Conference Report on Parent Education, Content and Method*. 1931.

"The development of the boy or girl as a worthy member of the home." *Home Economics News*, 1:73-75. July, 1930.

"Progressive education and the public school." *Minnesota Parent-Teacher*, 7:4. October, 1930.

"Opportunities for parent education offered by the Institute of Child Welfare, University of Minnesota." *Ibid.*, 7:8. November, 1930.

"Adolescence. An interesting phase of growing youth." *Ibid.*, 7:4. February, 1931.

"Significant physical changes are mark of early adolescent period." *Ibid.*, 7:4. March, 1931.

"Parental responsibility" (editorial). *Ibid.*, 7:5. April, 1931.

"Boy and girl friendships." *Ibid.*, 7:4. May, 1931.

"The National Council of Parent Education." *News Letter of the Minnesota Home Economics Association*, Vol. 9, No. 2, pp. 1-4. January, 1931.

"The Institute of Child Welfare." *Minnesota Journal of Education*, 11:215-17. February, 1931.

Mimeographed outlines and bibliographies for distribution.

News items for papers on parent education.

Radio talks given over WLB, mimeographed for distribution: "The Institute of Child Welfare," pp. 1-6. 1930; "Freedom and authority," pp. 32-37. 1931; "Fear in children," pp. 46-49. 1931; "Financial responsibility," pp. 54-58. 1931. University of Minnesota Mimeograph Department.

MARION L. FAEGRE, B.A., Assistant Professor of Parent Education

"A boarding mother's project." Report of Section III, Committee IIIA, Subcommittee No. 5. Pages 172-75 in *White House Conference on Child Health and Protection. Types of Parent Education, Content and Method*. 1930.

"Adolescence." Report of Section III, Committee IIIA, Subcommittee No. 5. Pages 157-58 in *White House Conference on Child Health and Protection. Types of Parent Education, Content and Method*. 1930.

"Squaring the family circle" (with John E. Anderson). *Journal of Religious Education*, 25:920-24. 1930.

"Directing children's reading." *Children's Library Yearbook, American Library Association*, No. 3, pp. 42-46. 1931.

"A new understanding of childhood." *Public Health Nurse*, 25:210-11. 1931.

"Parent education for boarding mothers." *Proceedings of the Minnesota Conference of Social Work*, 37th Annual Session, 1930, pp. 31-34.

"Youth: its meaning, genesis and appraisal," *Journal of American Association of University Women*. 1930. 15 pages.

Sixteen-lesson correspondence course on "Later Childhood and Adolescence." University of Minnesota Mimeograph Department. 1931.

White House Conference Leaflets: Published by White House Conference on Child Health and Protection.

Series on Growth—5 pamphlets

Series on Personality—5 pamphlets

Series on Habits—5 in series.

- FLORENCE L. GOODENOUGH, Ph.D., Professor, Institute of Child Welfare
Your Child Year by Year (with J. E. Anderson). (Revised edition of *A Modern Baby Book and Child Development Record*.) New York: Parents' Publishing Company. 1930. 396 pages.
- Experimental Child Study* (with J. E. Anderson). New York: Century Company. 1931. xv and 544 pages.
- "Children's drawing." Chapter 14, pages 480-514 in Carl Murchison, editor, *A Handbook of Child Psychology*. Worcester: Clark University Press. 1931.
- "Interrelationships in the behavior of young children." *Child Development*, 1:29-47. 1930.
- "A comparative study of finger tapping in children and adults" (with M. A. Tinker). *Ibid.*, 1:152-59. 1930.
- "A comparative study of several methods of measuring speed of tapping in children and adults" (with M. A. Tinker). *Journal of Genetic Psychology*, 38:146-60. 1930.
- "Why study our children." *Child Study*, 7:289-92. 1930.

- MARY M. SHIRLEY, Ph.D., Assistant Professor, Institute of Child Welfare
The First Two Years: A Study of Twenty-five Babies. Part I. *Postural and Locomotor Development*. Institute of Child Welfare Monograph Series No. 6. Minneapolis: The University of Minnesota Press, 1931. 203 pages.
- "An experiment in teaching laboratory psychology by the project method" (with Kate Hevner). *Journal of Applied Psychology*, 14:309-54. 1930.
- "How babies learn to walk." *Parents' Magazine*, Vol. 5, No. 12, pp. 22-23. 1930.
- Editing four University of Minnesota 1931-32 M.A. or Ph.D. theses for publication.

- ALICE M. LEAHY, M.A., Lecturer, Institute of Child Welfare
 "Punching psychological and sociological data on Hollerith cards." *Journal of Applied Psychology*, 15:199-207. June, 1931.

- JOSEPH T. COHEN, D.D.S., Dental Research Worker, Institute of Child Welfare
 "A study of the exposed enamel area of the deciduous and permanent teeth." *Journal of Dental Research*, 11:461. June, 1931.
- "Incidence of gingivitis in sick children." *Ibid.*, 11:462-63. June, 1931.
- "Eruption of teeth in subnormal children." *Ibid.*, 11:463. June, 1931.

- ROBERT L. WILDER, M.D., Medical Assistant, Institute of Child Welfare
 "The action of atropine and adrenaline on gastric tonus and hypermotility induced by insulin hypoglycemia" (with F. W. Schlutz). *American Journal of Physiology*, 96:54-58. January, 1931.

PHYSICAL EDUCATION FOR WOMEN

- J. ANNA NORRIS, M.D., Director of the Department of Physical Education for Women

"Physical education today." *Minnesota Journal of Education*, 11:303-5. 1930.

- GERTRUDE M. BAKER, M.A., Assistant Professor of Physical Education
 "The supervision of practice teaching in physical education in undergraduate institutions in the United States." *Research Quarterly of the American Physical Education Association*, 1:122-32. 1930.