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*Publications of the Faculties*  
**1928-1930**



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1928-1930

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## FOREWORD

One particularly important phase of the life of a university community is reflected in the publications of members of the faculties.

The list of publications which appears in this volume is a long one. The wide variety of fields represented by these studies is impressive. But the thing of greatest value to the state and to the institution is the fact that in this list, as in those which have preceded it in earlier years, there are titles of articles and books recognized throughout the world as the fruit of original creative thought focused on problems crying for solution.

The University of Minnesota is proud of the quality of the publications of members of the faculties.

L. D. COFFMAN, *President*

## PUBLICATIONS OF THE FACULTIES

### ADMINISTRATION

WILLIAM T. MIDDLEBROOK, B.A., M.C.S., Comptroller

The workable office. *Journal of Home Economics* 21:1. January, 1929.

### 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

Who should go to college. Minneapolis: The University of Minnesota Press. 1930.  
22 pages.

Vocational and educational guidance in the high school and its relation to higher educa-  
tion. *Vocational Guidance Magazine* 7:15. 1928.

Advising college students. *Journal of Higher Education* 1, No. 6:315-20. June, 1930.

#### ANTHROPOLOGY

ALBERT ERNST JENKS, Ph.D., D.Sc., Professor of Anthropology and Chair-  
man of the Department of Anthropology

*Review of*

The antiquity of man in East Anglia. *Art and Archaeology* 26, No. 3:102-3. Septem-  
ber, 1928.

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

Readings in sociology (with Malcolm M. Willey). New York: Alfred A. Knopf. 1930.  
639 pages.

The problems of an empirical sociology. *Social Forces* 7:46-49. 1928.

Progress. *Scientific Monthly* 5:454-57. 1929.

The prejudices of men. *American Journal of Sociology* 3:804-21. 1929.

Some phases of the psychology of prejudice. *Journal of Abnormal and Social Psychology*  
24:118-29. 1930.

Der Einfluss der Geistesform auf Methode und Theorie. *Zeitschrift für Völkerpsychol-  
ogie und Soziologie* 6:10-21. 1930.

Magnitude of distribution, centrifugal spread, and centripetal elaboration of culture  
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*Review of*

Clifford Kirkpatrick, Religion in human affairs. *Annals of the American Academy of  
Political and Social Science* 146:273-74. 1929.

#### ASTRONOMY

CLIFFORD C. CRUMP, Ph.D., Professor of Astronomy and Chairman of the  
Department of Astronomy

The Perkins Observatory of the Ohio Wesleyan University. *Popular Astronomy* 27,  
No. 10:1-7. December, 1929.

William Otis Beal. *Ibid.* May-June, 1930.

WILLIAM OTIS BEAL,<sup>1</sup> Ph.D., Assistant Professor of Astronomy and Chairman of the Department of Astronomy

Francis Preserved Leavenworth. *Popular Astronomy* 37:117-19. 1929.

Continuity in the universe. *Minnesota Techno-Log* 9, No. 7:213, 233, 234. April, 1929.

## BOTANY

J. ARTHUR HARRIS,<sup>2</sup> Ph.D., Professor of Botany and Head of the Department of Botany

Activities of the Department of Botany, University of Minnesota, 1927, 1928. Minneapolis: The Colwell Press. 65, 59 pages. 1928, 1930.

Introduction (to *Reliquiae Holwayanae*, by Mary M. Holway). Minneapolis: University of Minnesota. Page 1.

Preface (to *Trees and shrubs of Minnesota*, by C. O. Rosendahl and F. K. Butters). Minneapolis: University of Minnesota. 1928. Pages v-vii.

The validity of analytical results (with A. E. Treloar). *Northwestern Miller* 154:946-47. 1928.

A note on the probable error of the standard deviation (with Marie M. Ness). *Journal of the American Statistical Association* 23:178-79. 1928.

A second category of limitations in the applicability of the contingency coefficient (with Chi Tu). *Ibid.* 24:367-75. 1929.

Mathematics in biology. *Scientific Monthly* 27:141-52. 1928.

Frontiers. *Ibid.* 30:19-32. 1930.

Criteria of the validity of analytical methods used by cereal chemists (with A. E. Treloar). *Cereal Chemistry* 5:333-51. 1928.

Illustrations of the application of a criterion of the deviation of an observed from a random distribution to the problem of seedling stand in Sea Island, Egyptian, and upland cotton (with G. J. Harrison and F. M. Wadley). *Journal of Agricultural Research* 36:603-14. 1928.

On the applicability of Pearson's equivalent probability  $r$  method to the problem of seedling mortality in Sea Island, Egyptian, and upland cotton (with Marie M. Ness). *Ibid.* 36:615-23. 1928.

A possible relationship between soil salinity and stand in cotton. *Ibid.* 37:213-31. 1928.

The correlation between the soil salinity and flowering date in cotton. *Ibid.* 38:109-12. 1929.

A criterion of the differentiation of varieties, or of the differentiation of experimental areas with respect to their capacity to produce seedling stand of cotton (with George J. Harrison and Edna K. Lockwood). *Ibid.* 38:601-21. 1929.

Pushing back the horizon in the field of the life sciences. *Texts and Synoptic Outlines of Addresses Delivered at the Religious Workers Conference* 8:49-64. 1928; Minneapolis: University of Minnesota. *Bulletin* 32, No. 6:106-21. February, 1929.

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The determination of intra-class and inter-class equivalent probability coefficients of correlation (with Borghild Gunstad and Marie M. Ness). *Ibid.* 64:115-41. 1930.

Application of mathematical methods to biological problems. *Yearbook of the Carnegie Institution of Washington* 27:324-29. 1928.

The death rates of three standard breeds of fowls (with D. C. Boughton) (reprint of summary and discussion only). *International Review of Poultry Science* 1:40-41. 1928.

<sup>1</sup> Died February 15, 1930.

<sup>2</sup> Died April 24, 1930.



- Comparison of the physical factors of habitats (with John Kuenzel and W. S. Cooper). *Ecology* 10:47-66. 1929.
- Field work of the Department of Botany. *Minnesota Chats* 11:8-11. 1929.
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- Criticism of the limitation of the statistical method. *Ibid.* 22:263-69. 1930.
- The biological significance of certain differences between the values of the correlation coefficient, correlation ratio, and contingency coefficient (with Chi Tu and Marian Wilder). *American Journal of Botany* 17:175-85. 1930.
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#### JOSEPHINE ELIZABETH TILDEN, M.S., Professor of Botany

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- The distribution of marine algae, with special reference to the flora of the Pacific Ocean (a preliminary paper). *Proceedings of the Third Pan-American Science Congress, Tokyo* 1:946-53. 1928.
- Index algarum universalis (eleventh issue). Minneapolis: The Colwell Press. 1929, 1930. Cards 24,479-25,000; Series II, cards 25,001-27,000, second issue 27,001-28,000.
- A phycological examination of fossil red salt from three localities in the southern states. *American Journal of Science* 19:297-304. 1930.
- Algal food, feeding and case-building habits of the larva of the midge fly, *Tanytarsus dissimilis* (with W. J. Cavanaugh). *Ecology* 11:281-87. 1930.
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#### FREDERIC KING BUTTERS, Ph.D., Associate Professor of Botany

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#### WILLIAM SKINNER COOPER, Ph.D., Professor of Botany

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RODNEY B. HARVEY, Ph.D., Associate Professor of Plant Physiology and Botany

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

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NED L. HUFF, M.A., Assistant Professor of Botany

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ALAN E. TRELOAR, B.S. Agr., M.S., Research Associate in Botany

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

Note on the influence of change of sex on intensity of heredity (with J. A. Harris and Marian Wilder). *Proceedings of the Society for Experimental Biology and Medicine* 26:851-54. 1929.

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OSCAR W. FIRKINS, M.A., Professor of Comparative Literature

What is poetry? *London Mercury* 20:387-88. 1929.

The strange visitor. *Minnesota Daily*. November 16, 1929. Page 2.

Tulip and Camellia: the two Dumas. *Cornhill Magazine* (n. s.) (London) No. 404: 233-54. 1930.

Three sonnets to J. C. H. (John Corrin Hutchinson). *Minnesota Alumni Weekly* 29:383. 1930.

Two passengers for Chelsea (reprint). *Golden Book* 11:95-103. 1930.

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Chauncey B. Tinker, The good estate of poetry. *Saturday Review of Literature* 5:1159. 1929.

Hervey Allen, Sarah Simon. *Ibid.* 5:1189. 1929.

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I. A. Richards, Practical criticism. *Ibid.* 6:1045. 1930.

C. Hartley Grattan, The critique of humanism. *Ibid.* 6:1124. June 14, 1930.

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

Beowulf and the fight at Finnsburg (revised edition, with supplement). Boston: D. C. Heath and Co. 1928. clxiv and 446 pages.

Altenglische wortkundliche Randglossen. *Beiblatt zur Anglia* 40: 21-32. 1929.

*Belücan* in dem altenglischen Reisesegen. *Ibid.* 40:283-84. 1929.

Eine germanisch-englische Formel: ein stilistisch-syntaktischer Streifzug. *Britannica, Max Förster zum sechzigsten Geburtstage*. Pages 1-22. 1929.

Jottings on Old English poems. *Anglia* 53:225-34. 1929.

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F. Holthausen, Beowulf (sixth edition). *Beiblatt zur Anglia* 41:8-12. 1930.

### ENGLISH

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

English prose, 1600 to 1660 (with Douglas Bush). New York: Doubleday, Doran and Company. 1930. 622 pages.

JOSEPH M. THOMAS, Ph.D., Professor of English and Assistant Dean for the Senior College

Great English prose writers (with Hardin Craig). New York: F. S. Crofts and Company. 1929. 841 pages.

Nineteenth century prose (with Hardin Craig). New York: F. S. Crofts and Company. 1929. 825 pages.

*General editor*

The College Library. 4. Selections from the writings of Thomas Carlyle, edited by Allen Benham; 5. The faerie queene, edited by George R. Potter and James Cline. New York: Harper and Brothers, 1928, 1929. Each 350 pages.

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

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Samuel C. Chew, Thomas Hardy. *Chicago Daily News*, p. 14. September 12, 1929.

Vere H. Collins, Talks with Thomas Hardy at Max Gate. *Ibid.*, p. 14. September 12, 1929.

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MARTIN B. RUUD, Ph.D., Professor of English

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Lilias E. Armstrong and Ida C. Ward, A handbook of English intonation. *Modern Language Notes* 43:567-68. 1928.

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ELMER E. STOLL, Ph.D., Professor of English

Poets and playwrights. Minneapolis: University of Minnesota Press. 1930. viii and 304 pages.

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

English prose 1600-1660 (with C. A. Moore). New York: Doubleday, Doran and Company. 1930. 622 pages.

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Making culture hum. *Ibid.* 69:591-95. 1929.

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Is there a Canadian literature? *Ibid.* 11:12-14. 1929.

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Some notes on Keats. *Philological Quarterly* 8:13-15. 1929.

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The varied hues of pessimism. *Dalhousie Review* 9:271-78. 1929.  
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L. Cazamian, Criticism in the making. *Ibid.* 70:324-25. 1929.

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E. Blunden, Nature in English literature. *Ibid.* 70:456-57. 1929.

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E. Chapin and R. Thomas, A new approach to poetry. *Ibid.* 70:457. 1929.

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H. Pearson, Ventilations. *Ibid.* 71:118-19. 1930.

O. Elton, C. E. Montague: a memoir. *Ibid.* 71:220. 1930.

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C. Gardner, Vision and vesture. *Ibid.* 71:230-31. 1930.

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

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ELIZABETH ATKINS, Ph.D., Assistant Professor of English

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MURIEL B. CARR, Ph.D., Assistant Professor of English

*Review of*

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L. BURTRON HESSLER, Ph.D., Assistant Professor of English

Why edit Shakespeare? *English Journal* 17, No. 9. November, 1928.

CHARLES W. NICHOLS, Ph.D., Assistant Professor of English

A reverend alterer of Shakespeare. *Modern Language Notes* 44:30-32. 1929.

*Editor*

*Macbeth*. New York: Oxford Book Company. 1930.

LUCILE C. DEINARD, M.A., Instructor in English

Some American poets and their work. Federated Women's Clubs of Minnesota publication. Spring, 1929.

ADAH G. GRANDY, B.L., Instructor in English

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EDGAR W. WEAVER, B.A., Instructor in English

Program for club study on contemporary drama. Minneapolis: University of Minnesota. 1930. 30 mimeographed pages.

ALLEN E. WOODALL, M.A., Instructor in English

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## GEOGRAPHY

DARRELL HAUG DAVIS, Ph.D., Professor of Geography and Head of the Department of Geography

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A study of the succession of human activities in the Kentucky mountains. *Journal of Geography* 29, No. 3:85-100. March, 1930.

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

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

Location factors in the iron and steel industry. *Economic Geography* 4:241-52. July, 1928.

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**SAMUEL N. DICKEN, B.A., Instructor in Geography**

Kentucky Karst landscapes. *Annals of the Association of American Geographers* 20, No. 1:27-28. 1930.

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Jean Genet, *Esquisse d'une Civilisation Oubliée*. *Books Abroad* 3:2, 118. 1929.

## GEOLOGY AND MINERALOGY

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

The origin of the deposits of sulphide ores of the Mississippi Valley. *Economic Geology* 24:221-71. May, 1929.

**FRANK F. GROUT, Ph.D., Professor of Geology**

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

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CLARENCE M. JACKSON, M.S., M.D., LL.D., Professor of Anatomy and  
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