

*The Bulletin of the*  
UNIVERSITY of MINNESOTA

Publications of the Faculties  
1938-1939

Volume XLIII, Number 15

February 28, 1940

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## FOREWORD

Good teaching, good research, and good service to the people of a state can come from a university only if the men and women who constitute the faculty are men and women with ideas. To be sure, they must have had adequate training and experience, but these alone will not make a university faculty noteworthy. There must, in addition, be the intellectual spark that sets the mind on fire. Then, and then only, will there develop the creative work that is the real test of scholarship.

In the pages that follow, the publications of the staff members of the University of Minnesota during 1938-39 are listed. The range of interests represented, and the comprehensiveness of the studies that have been undertaken are truly impressive. It would be difficult for anyone to turn these pages and not be convinced that the entries on them constitute clear evidence that the University of Minnesota, through staff writings and publications, is a stimulating intellectual center, and as such is serving the people of the state in a way that should justify the support they have given to it.

GUY STANTON FORD, *President*

# PUBLICATIONS OF THE FACULTIES

## ADMINISTRATION

GUY STANTON FORD, Ph.D., LL.D., Litt.D., L.H.D., President of the University of Minnesota

"Foreword." Pages v-viii in *Dictatorship in the Modern World*. Minneapolis: University of Minnesota Press. 1939.

"Foreword." Pages ix-x in *American History Since 1865*. New York: Harper and Brothers. 1939.

"Foreword." Pages ix-x in *An Introduction to Hispanic American History*. New York: Harper and Brothers. 1939.

"Address of welcome." Pages 29-30 in *Proceedings of the Nineteenth Annual Convention of the Association of College Unions*, held at the University of Minnesota December 1-3, 1938.

"An open letter from President Ford—statement appearing in booklet 'The Needs for the Biennium'." *Minnesota Alumni Weekly*, 38:207-10. November 26, 1938.

"Cap and Gown Day address," delivered May 11, 1939, University of Minnesota. *Ibid.*, 38:517-19. May 20, 1939.

"A message to the Class of 1939." *Ibid.*, 39:3-4. 1939.

Editor

*Dictatorship in the Modern World* (second edition). Minneapolis: University of Minnesota Press. 1939. 362 pages.

George M. Stephenson, *American History Since 1865*. New York: Harper and Brothers. 1939. 682 pages.

Tom B. Jones, *An Introduction to Hispanic American History*. New York: Harper and Brothers. 1939. 577 pages.

MALCOLM M. WILLEY, Ph.D., University Dean and Assistant to the President

"The supplementary needs of NYA college students" (with Dorothy G. Johnson). *School and Society*, 48:565-68. October 29, 1938.

"College cultural influences and the union." *Bulletin of the Association of College Unions*, pp. 6-12. December, 1938.

"Lotus Delta Coffman: educational statesman, 1875-1938." *Educational Record*, 20:10-27. January, 1939.

Reviews of

Frank Ernest Hill, *Listen and Learn in American Journal of Sociology*, 44:328-29. September, 1938.

Research memoranda on social aspects of the depression. Thirteen titles (New York, Social Science Research Council, 1937) in *American Sociological Review* 3:113-15. February, 1938.

Harold F. Clark, *Life Earnings in Selected Occupations in the United States* in *ibid.*, 4:298. April, 1939.

Lewis Mumford, *The Culture of Cities* in *Annals of the American Academy of Political and Social Science*, 200:328-29. November, 1938.

Howard B. Woolston, *Metropolis* in *ibid.*, 200:330-31. November, 1938.

Louis R. Wilson, *The Geography of Reading* in *ibid.*, 201:282-83. January, 1939.

Mowat G. Fraser, *The College of the Future* in *ibid.*, 202:265-66. March, 1939.

Walter M. Kotschnig, *Unemployment in the Learned Professions* in *Journal of Higher Education*, 10:54. January, 1939.

WILLIAM T. MIDDLEBROOK, B.S., M.C.S., Comptroller, and Secretary to the Board of Regents

"Establishing a classified service for the nonacademic staff." *Educational Business*, 21:9-10, 18, 22. October, 1938.

TRUE E. PETTENGILL, M.S., Assistant Registrar

"A revision in registration procedure at the University of Minnesota." *Journal of the American Association of Collegiate Registrars*, 14:295-98. 1939.

COLLEGE OF SCIENCE, LITERATURE, AND  
THE ARTS

ADMINISTRATION

JOHN T. TATE, Ph.D., D.Sc., Dean of the College of Science, Literature, and the Arts and Professor of Physics

"The dissociation of benzene ( $C_6H_6$ ), pyridine ( $C_5H_5N$ ) and cyclohexane ( $C_6H_{12}$ ) by electron impact" (with A. Hustrulid and P. Kusch). *Physical Review*, 54:1037-44. December 15, 1938.

Abstracts

"Ionization and dissociation of  $CHBrF_2$  by electron impact" (with R. F. Baker). *Ibid.*, 55:236. January 15, 1939.

"The heat of dissociation of carbon monoxide" (with H. D. Hagstrom). *Ibid.*, 55:1136. June 1, 1939; *Bulletin of the American Physical Society*, 14:33. 1939.

Editor

*Physical Review*. 1938-39.

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CLAYTON D'A. GERKEN, M.S., Instructor, Assistant to Dean R. R. Shumway, Students' Work Committee.

Study aids for use of students. 1938-39. 30 mimeographed pages.

ANTHROPOLOGY

WILSON D. WALLIS, Ph.D., Professor of Anthropology and Chairman of the Department of Anthropology

"Variability in race hybrids." *American Anthropologist*, 40:680-97. 1938.

WALTER B. CLINE, Ph.D., Assistant Professor of Anthropology

*The Sinkaieth or Southern Okanagon of Washington* (with Rachel S. Commons, May Mandelbaum, R. H. Post, and L. V. W. Walters). General Series in Anthropology, No. 6, Contributions from the Laboratory of Anthropology, 2. Menasha, Wisconsin: George Banta Publishing Company. 1938. 262 pages.

DAVID G. MANDELBAUM, Ph.D., Instructor in Anthropology

"Polyandry in Kota Society." *American Anthropologist*, 40:574-83. October-December, 1938.

LLOYD A. WILFORD, LL.B., Ph.D., Junior Archeologist

"The Sauk Valley skeleton" (with A. E. Jenks). *Bulletin of Texas Archaeological and Paleontological Society*, 10:136-68. September, 1938.

"Notes and news." *American Antiquity*, 4:285-86. January, 1939.

ASTRONOMY

WILLEM J. LUYTEN, Ph.D., Professor of Astronomy and Chairman of the Department of Astronomy

"Bruce Proper Motion Survey"

"I. First report." *Publications of the Astronomical Observatory, University of Minnesota*, Vol. 2, No. 5, pp. 73-77. Minneapolis: University of Minnesota Press. 1938.

"II. A catalogue of 2,350 variable stars found with the blink microscope." *Publications of the Astronomical Observatory, University of Minnesota*, Vol. 2, No. 6, pp. 79-119. Minneapolis: University of Minnesota Press. 1938.



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- "IV. The frequency of proper motions in the South Polar Cap." *Publications of the Astronomical Observatory, University of Minnesota*, Vol. 2, No. 8, pp. 161-81. Minneapolis: University of Minnesota Press. 1939.
- "V. A discussion of double stars with common proper motion." *Publications of the Astronomical Observatory, University of Minnesota*, Vol. 2, No. 9, pp. 183-209. Minneapolis: University of Minnesota Press. 1939.
- "On the distribution of absolute magnitudes in the vicinity of the sun." *Monthly Notices of the Royal Astronomical Society*, 98:677-81. 1938.
- "Parallaxes of two faint stars with large proper motion." *Bulletins of Harvard College Observatory*, No. 910. 1939.
- "Note on a faint binary star." *Ibid.*, No. 910. 1939.
- "On the apsidal motion of MR Cygni and Boss 5070." *Bulletin of the Astronomical Institutes of the Netherlands*, 8:285-87. 1938.

## BOTANY

C. OTTO ROSENDAHL, Ph.D., Professor of Botany and Head of the Department of Botany

"Additional notes on *Najas* in Minnesota." *Rhodora*, 41:187-89. May, 1939.

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

- "Effects of prolonged use of extremely low-fat diet on an adult human subject" (with W. R. Brown, A. E. Hansen, and I. McQuarrie). *Journal of Nutrition*, 16:511-24. 1938.
- "A note on the constitution of linoleyl alcohol prepared by the sodium reduction of linoleic acid" (with E. S. Miller and J. P. Kass). *Journal of the American Chemical Society*, 61:482-83. 1939.
- "The elaidinization of linoleic acid" (with J. P. Kass). *Ibid.*, 61:1062-66. 1939.
- "Chemistry of the essential fatty acids" (with J. B. Brown, J. P. Kass, and W. O. Lundberg). *Proceedings of the American Institute of Nutrition*, 17:14. 1939.
- Abstract of R. H. Barnes, E. S. Miller, and G. O. Burr, "A study of the effect of adrenalectomy and iodoacetic acid poisoning on the intestinal absorption of spectroscopically active fats" in *Proceedings of the American Physiological Society*, p. 11. 1939.

FREDERIC K. BUTTERS, Ph.D., Professor of Botany

*Elementary Taxonomy Laboratory Guide* (with E. C. Abbe and G. W. Burns). Minneapolis: University of Minnesota Mimeograph Department. 1939. 73 pages.

"Rich returns from 'useless' studies named by F. K. Butters." *Minnesota Chats*, Vol. 21, No. 2, pp. 1-2. October 25, 1938.

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

"Ancient dunes of the upper Mississippi Valley as possible climatic indicators." *Bulletin of the American Meteorological Society*, 19:193-204. May, 1938.

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ERNST C. ABBE, Ph.D., Assistant Professor of Botany

*Elementary Taxonomy Laboratory Guide* (with F. K. Butters and G. W. Burns). Minneapolis: University of Minnesota Mimeograph Department. 1939. 73 pages.

Abstract of T. T. Earle and E. C. Abbe, *Inflorescence and Floral Anatomy and Morphology of "Leitneria floridana" Chapm.* in *American Journal of Botany*, 25:5s. 1938.

Methods in histological and cytological research (with J. E. Merrick). 1939. 82 ditto pages.

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

*Syllabus of Lectures in General Botany* (second edition). Minneapolis: Perine Book Company. 1939. 48 pages.

*Laboratory Manual and Syllabus for General Morphology of Plants* (second edition). Minneapolis: Perine Book Company. 1939. 37 pages.

## ELMER S. MILLER, Ph.D., Assistant Professor of Botany

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"Immediate effect of cross pollination on the carotenoid pigments in the endosperm of maize" (with I. J. Johnson). *Cereal Chemistry*, 16:88-92. 1939.

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"The effect of adrenalectomy on the rate of fat absorption" (with R. H. Barnes, A. N. Wick, and E. M. Mackay). *Proceedings of the Society for Experimental Biology and Medicine*, 40:651-55. 1939.

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Literature citations for class use. 1938-39. 11 ditto pages.

## LAURENCE S. MOYER, Ph.D., Assistant Professor of Botany

"Electrokinetic aspects of protein chemistry." Pages 228-43 in *Cold Spring Harbor Symposia in Quantitative Biology*, Vol. 6. Cold Spring Harbor, Long Island, New York: The Biological Laboratory. 1938.

"Comparisons of electro-osmosis, electrophoresis, and streaming potential and their theoretical significance." *Transactions of the Electrochemical Society*, 73:481-95. 1938.

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"XIII. A comparison of the isoelectric points of dissolved and crystalline amino-acids" (with H. A. Abramson). *Journal of General Physiology*, 21:729-44. 1938.

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"The polar groups of protein and amino-acid surfaces in liquids" (with H. A. Abramson and M. H. Gorin). *Chemical Reviews*, 24:345-66. 1939.

## DONALD B. LAWRENCE, Ph.D., Instructor in Botany

"Trees on the march: Notes on the recent volcanic and vegetational history of Mount St. Helens." *Mazama*, 21:49-54. 1938.

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## GEORGE W. BURNS, B.A., Teaching Assistant in Botany

*Elementary Taxonomy Laboratory Guide* (with E. C. Abbe and F. K. Butters). Minneapolis: University of Minnesota Mimeograph Department. 1939. 73 pages.

## WILLIS A. EGGLE, M.S., Teaching Assistant in Botany

Abstract in *Bulletin of the Ecological Society of America*, 19:40. December, 1938.

## JOHN W. MOORE, Ph.D., Junior Botanist

"*Euphorbia dentata* and *Salsola collina* in Minnesota." *Rhodora*, 40:135-36. 1938.

Laboratory outlines, bibliographies, and tests for class use. 1938-39. 45 ditto pages.

ROBERT A. PHILLIPS, B.S., Junior Botanist

"Hospital landscaping and gardening." *Journal of the American Hospital Association*, 13:75-83. 1939.

Weekly articles on landscape gardening and plant culture. *Minneapolis Sunday Tribune*, 1938-39.

WILLIAM R. BROWN, Ph.D., National Live Stock and Meat Board Fellow

"Effects of prolonged use of extremely low-fat diet on an adult human subject" (with G. O. Burr, A. E. Hansen, and I. McQuarrie). *Journal of Nutrition*, 16:511-24. 1938.

J. PETER KASS, Ph.D., Associate Chemist, Hormel Foundation

"A note on the constitution of linoleyl alcohol prepared by the sodium reduction of linoleic acid" (with E. S. Miller and G. O. Burr). *Journal of the American Chemical Society*, 61:482-83. 1939.

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WALTER O. LUNDBERG, Ph.D., Associate Chemist, National Live Stock and Meat Board

"Chemistry of the essential fatty acids" (with G. O. Burr, J. B. Brown, and J. P. Kass). *Proceedings of the American Institute of Nutrition*, 17:14. 1939.

THOMAS T. EARLE, Ph.D., Assistant in Botany

Abstract of E. C. Abbe and T. T. Earle, *Inflorescence and Floral Anatomy and Morphology of "Leitneria floridana"* *Chapm. in American Journal of Botany*, 25:5s. 1938.

JEAN E. MERRICK, B.S., Assistant Technician in Botany

Methods in histological and cytological research (with E. C. Abbe). 1939. 82 ditto pages.

#### CLASSICS

MARBURY B. OGLE, Ph.D., Professor of Classics and Chairman of the Department of Classics

Review of Eleanor Shipley Duckett, *The Gateway to the Middle Ages in Speculum*, 14:115. January, 1939.

JOSEPH B. PIKE, M.A., (deceased), Professor of Classics, Emeritus

*Frivolities of Courtiers and Footprints of Philosophers* (A translation of the First, Second, and Third Books, and Selections from the Seventh and Eighth Books of the *Policraticus* of John of Salisbury). Minneapolis: University of Minnesota Press. 1938. 436 pages.

JOHN L. HELLER, Ph.D., Assistant Professor of Classics

Review of Benno Janzer, *Historische Untersuchungen zu den Redenfragmenten des M. Porcius Cato* in *Classical Weekly*, 32:70. November 28, 1938.

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#### ENGLISH

JOSEPH W. BEACH, Ph.D., Professor of English and Chairman of the Department of English

Reviews of

Andre Malraux, *Man's Hope* in *Kenyon Review*, 1:215-17. Spring, 1939.

Ernest A. Baker, *The History of the English Novel*, Vol. 9, "The Day before Yesterday" in *Modern Languages Notes*, 54:474. June, 1939.

CECIL A. MOORE, Ph.D., Professor of English

"Preface." Pages vii-ix in D. Mallam, editor, *Letters of William Shenstone*. Minneapolis: University of Minnesota Press. 1939.

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

"A major in the humanities." *Interpreter*, 12:3. June, 1939.

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Joseph Mersand, *Chaucer's Romance Vocabulary in Modern Language Notes*, 54:140. February, 1939.

L. F. Hawkins, *The Place of Group F in the Canterbury Chronology* in *ibid.*, 54:141. February, 1939.

Sister M. E. Whitmore, *Medieval English Domestic Life and Amusements in the Works of Chaucer* in *ibid.*, 54:142. February, 1939.

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

"Recent Shakespeare criticism." *Shakespeare-Jahrbuch*, 74:50-81. 1938.

"Recent Elizabethan criticism." *E. L. H., A Journal of English Literary History*, 6:39-57. March, 1938.

"Shakespeare's Jew." *University of Toronto Quarterly*, 8:139-54. January, 1939.

"Jaques, and the antiquaries." *Modern Language Notes*, 54:79-85. February, 1938.

"Shakespeare forbears." *Ibid.*, 54:332-39. May, 1939.

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HUNTINGTON BROWN, B.Litt. (Oxon.), Ph.D., Associate Professor of English

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JAMES T. HILLHOUSE, Ph.D., Associate Professor of English

"The Scott letters in the Huntington Library" (with Mildred Lambert Hillhouse). *Huntington Library Quarterly*, 2:319-52. April, 1939.

Review of Willi Bühler, *Die Erlebte Rede im englischen Roman. Ihre Vorstufen und ihre Ausbildung im Werke Jane Austens*. (Swiss Studies in English) in *Journal of English and Germanic Philology*, 37:312-14. April, 1938.

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

"Pleasures of the chase." *Interpreter*, 13:1, 4. May, 1939.

"Regionalism in American literature." *Minnesota History*, 20:105-18. June, 1939.

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

"Bird-song in England." *Sewanee Review*, 47:204-14. April-June, 1939.

"A passage in 'Thanatopsis.'" *American Literature*, 11:217-18. May, 1939.

"Henry M. Nichols and frontier Minnesota." *Minnesota History*, 19:247-70. September, 1938.

"The Northampton Colony and Chanhassen." *Ibid.*, 20:140-45. June, 1939.

JOHN T. FLANAGAN, Ph.D., Assistant Professor of English

"Morgan Neville, early western chronicler." *Western Pennsylvania Historical Magazine*, 21:255-66. December, 1938.

"An early discussion of place names." *American Speech*, 14:157-59. April, 1939.

"Bayard Taylor's Minnesota visits." *Minnesota History*, 19:399-418. December, 1938.

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Review of Herbert Grause, *Wind without Rain* in *Minnesota History*, 20:183-84. June, 1939.

English Grammar Test, Part I and Part II (with Ruth Christie, Frances K. del Plaine, and Margaret Scallon). Minneapolis: University of Minnesota Printing Department. 1938. 6 pages.

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

"Teacher vs. educator." *Interpreter*, 13:1, 3-4. January, 1939.

HAROLD E. BRIGGS, M.A., Instructor in English

"The class of 1942." *Interpreter*, 13:1-2. October, 1938.

RUTH CHRISTIE, M.A., Instructor in English

English Grammar Test, Part I and Part II (with Margaret Scallon, Frances K. del Plaine, and J. T. Flanagan). Minneapolis: University of Minnesota Printing Department. 1938. 6 pages.

ARTHUR M. COON, Ph.D., Instructor in English

"Izaak Walton's occupation and residence." *Notes and Queries*, 176:110-12. February 18, 1939.

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Abstract of Arthur M. Coon, *The Life of Izaak Walton*. Pages 26-28 in *Cornell University Abstracts of Theses, 1938*. Ithaca, N. Y.: Cornell University Press. 1939.

Reviews of

Naomi Jacob, *Straws in Amber in Minneapolis Star*. April 15, 1939.

Theodore Jorgenson and Nora O. Solum, *Ole Edvard Rølvaag in Minneapolis Star*. May 6, 1939.

FRANCIS K. DEL PLAINE, M.A., Instructor in English

*Written English, Form B* (with Adah G. Grandy). New York: Cordon Company. 1939. 230 pages.

English Grammar Test, Part I and Part II (with Ruth Christie, Margaret Scallon, and J. T. Flanagan). Minneapolis. University of Minnesota Printing Department. 1938. 6 pages.

JOHAN S. EGILSRUD, Ph.D., Instructor in English

Reviews of

Ignace Jan Paderewski, *Paderewski in Minneapolis Journal*. December 18, 1938.

Geraldine Farrar, *Such Sweet Compulsion in ibid.* January 8, 1939.

David Monrad Johansen, *Edvard Grieg in ibid.* March 19, 1939.

Music criticism and editing of Sunday music page in *Minneapolis Journal*. November 1, 1938 to June 15, 1939.

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

*Written English, Form B* (with Frances K. del Plaine). New York: Cordon Company. 1939. 230 pages.

CLIFFORD I. HAGA, B.A., Instructor in English

Reviews of

Laura Krey, *And Tell of Time in Minnesota Techno-Log*, 19:16. October, 1938.

J. W. N. Sullivan, *Isaac Newton in ibid.*, 19:37. November, 1938.

Byron Soule, *Library Guide for the Chemist in ibid.*, 19:63. December, 1938.

Roger Burlingame, *March of the Iron Men in ibid.*, 19:87. January, 1939.

Albert Einstein and Leopold Infeld, *The Evolution of Physics in ibid.*, 19:111. February, 1939.

Lancelot Hogben, *Science for the Citizen in ibid.*, 19:137. March, 1939.

Edward MacCurdy (editor), *The Notebooks of Leonardo da Vinci in ibid.*, 19:157. April, 1939.

STEPHEN B. HUMPHREY, M.A., Instructor in English

"Straight-time employers" (with J. A. Farley). *Commonweal*, 28:518-20. September 16, 1938.

DUNCAN MALLAM, M.A., Instructor in English

Editor, *Letters of William Shenstone*. Minneapolis: University of Minnesota Press. 1939. xxvi + 475 pages.

FRANZ MONTGOMERY, Ph.D., Instructor in English

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## HARRY B. ROE, C.E., Professor of Agricultural Engineering and Acting Chief of the Division of Agricultural Engineering

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## ARTHUR J. SCHWANTES, M.S., Associate Professor of Agricultural Engineering

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ANDREW HUSTRULID, Ph.D., Assistant Professor of Agricultural Engineering

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JAMES B. TORRANCE, B.S., Assistant Professor of Agricultural Engineering

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

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

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J. GRANT DENT, Instructor in Agricultural Engineering

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THEODORE A. ERICKSON, B.S., Associate Professor of Agricultural Extension and State Club Leader

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Editor, 4-H Club Department, *Minnesota Horticulturist*, 1938-39.

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HAROLD R. SEARLES, B.S., Associate Professor of Agricultural Extension and Extension Dairyman

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PARKER O. ANDERSON, B.S., Assistant Professor of Agricultural Extension and Extension Forester

*Planting the Standard Windbreak*. University of Minnesota Agricultural Extension Bulletin 196. 1939. 16 pages.

About 40 news articles for various country papers, extension news, and daily papers on different seasonal phases of farm forestry. 1938-39.

Mimeographed material for use in carrying on the forestry project in the various counties. 1938-39.

WILLIAM A. BILLINGS, D.V.M., Assistant Professor of Agricultural Extension and Extension Veterinarian

*Timely Truths about Poultry Troubles*. (Revised.) University of Minnesota Agricultural Extension Bulletin 154. June, 1939. 32 pages.

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EVA L. BLAIR, B.S., Assistant Professor of Agricultural Extension and Extension Nutritionist

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Publicity articles for use in counties, also series of articles for newspapers of the state. 1938-39.

Multigraphed and mimeographed subject material for nutrition project, to be used by counties carrying the project. 1938-39.

SPENCER B. CLELAND, M.S., Assistant Professor of Agricultural Extension and Extension Economist in Farm Management

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**CORA COOKE, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Poultry**

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News items for papers on various phases of state extension poultry work. 1938-39.

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**RALPH F. CRIM, B.S., Assistant Professor of Agricultural Extension and Extension Agronomist**

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**WILLIAM H. DANKERS, Ph.D., Assistant Professor of Agricultural Extension and Extension Economist in Marketing**

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**BELLE O. FISH, M.S., Assistant Professor of Agricultural Extension and Extension Specialist in Child Development**

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Mimeographed outlines and subject-matter material for use in family relationships projects. 1938-39. 40 pages.

**INEZ M. HOBART, M.A., Assistant Professor of Agricultural Extension and Extension Nutritionist**

Home Demonstration Syndicate Feature. Issued by the University of Minnesota Agricultural Extension Division. Published weekly in 68 country weekly newspapers in Minnesota. 1938-39.

News items and articles for newspapers on various phases of state extension nutrition work. 1938-39.

Multigraphed and mimeographed outlines and subject material for leaders and members, to be used by counties carrying the nutrition project. 1938-39.

**HELEN B. LARMORE, M.S., Assistant Professor of Agricultural Extension and Extension Specialist in Clothing**

Home Demonstration Syndicate Feature. Issued by the University of Minnesota Agricultural Extension Service. Published weekly in 68 country weekly newspapers in Minnesota. 1938-39.

**JAMES B. McNULTY, M.S., Assistant Professor of Agricultural Extension and Extension Economist in Farm Management**

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**MARY M. MILLER, M.S., Assistant Professor of Agricultural Extension and Extension Economist in Home Management**

Home Demonstration Syndicate Feature. Issued by the University of Minnesota Agricultural Extension Service. Published weekly in 68 country weekly newspapers in Minnesota. 1938-39.

Advance and follow-up publicity prepared for newspapers in counties where home management project is being carried. 1938-39.

Mimeographed leaflets on subject-matter relative to rural youth project. 1938-39.

**WILLIAM E. MORRIS, M.S., Assistant Professor of Agricultural Extension and Extension Animal Husbandman**

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**GEORGE H. NESOM, B.S., Assistant Professor of Soils and Extension Specialist in Soils**

Mimeographed subject material for soils project to be used in counties carrying project. 1938-39.

**SKULI H. RUTFORD, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Agricultural Conservation**

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EVES E. WHITFIELD, B.S., Assistant Professor of Agricultural Extension and Extension Specialist in Clothing

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Advance and follow-up publicity prepared for newspapers in counties where clothing project is being carried. 1938-39.

Multigraphed and mimeographed outlines and subject-matter relative to clothing project work. 1938-39.

Monthly items for Minnesota Farm Security Administration. 1938-39.

HENRY G. ZAVORAL, B.S., Assistant Professor of Agricultural Extension and Extension Animal Husbandman

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EDWARD W. AITON, B.S., Instructor in Agricultural Extension and Publicity Specialist

Editor

*Weekly News Letter* (with H. L. Harris). (Clip sheet of University Farm Publicity, issued for Minnesota newspapers). 1938-39.

"This Month on the Farm" (with H. L. Harris). Syndicated cartoon and information feature supplied each month to 200 Minnesota newspapers. 1938-39.

WALLACE W. BROOKINS, M.S., Instructor in Agricultural Extension and Extension Agronomist

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RUBY CHRISTENSON, B.S., Instructor in Agricultural Extension and Rural Youth Agent

*Rural Youth News Letter*. Issued quarterly. 1938-39. 7 mimeographed pages.

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DANIEL C. DVORACEK, B.S., Extension Economist in Marketing

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EDWARD J. FALVEY, B.A., LL.B., Extension Specialist in Agricultural Conservation

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ELDRED M. HUNT, B.S., Extension Horticulturist

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KENNETH W. INGWALSON, B.S., Instructor in Agricultural Extension and State Club Agent

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CHARLOTTE KIRCHNER, B.S., Instructor in Agricultural Extension and Extension Specialist in Home Furnishings

Home Demonstration Syndicate Feature. Issued by the University of Minnesota Agricultural Extension Service. Published weekly in 68 country weekly newspapers in Minnesota. 1938-39.

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RAMER D. LEIGHTON, B.S., Instructor in Agricultural Extension and Extension Dairyman

*Dairy Herd Improvement News Letter*. Issued monthly. 1938-39. 4 to 6 mimeographed pages.

*Dairy Herd Improvement Annual Summary*. University of Minnesota Agricultural Extension Division. 1938. 30 multigraphed pages.

News items for newspapers on various phases of dairy extension and herd improvement work. 1938-39.

HAROLD R. LEWIS, B.S., Instructor in Agricultural Extension and Publicity Specialist

Editor

*Weekly News Letter* (with H. L. Harris). (Clip sheet of University Farm Publicity, issued for Minnesota newspapers.) 1938-39.

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Educational newspaper articles about Agricultural Conservation Program. 1938-39.

Articles for publication in farm magazines and daily newspapers. 1938-39.

BEATRICE McGRATH, B.S., Instructor in Agricultural Extension and Assistant State Leader Home Demonstration

Home Demonstration Syndicate Feature. Issued by the University of Minnesota Agricultural Extension Service. Published weekly in 68 country weekly newspapers in Minnesota. 1938-39.

HERBERT L. PARTEN, B.S., Instructor in Agricultural Extension and Extension Entomologist

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WILLIAM A. PETERS, B.S., Extension Specialist in Agricultural Conservation  
*Rural Program Helps*. Issued monthly. 1938-39. 5 mimeographed pages.

MILDRED SCHENCK, B.S., Instructor in Agricultural Extension and State Club Agent

*Canning Project* (with Amy Wessel and May Sontag). (Revised.) University of Minnesota Agricultural Extension 4-H Bulletin No. 17. 1938. 12 pages.

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MAY SONTAG, B.S., Instructor in Agricultural Extension and State Club Agent

*Canning Project* (with Mildred Schenck and Amy Wessel). (Revised.) University of Minnesota Agricultural Extension 4-H Bulletin No. 17. 1938. 12 pages.

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MATHIAS A. THORFINNSON, B.S., Extension Specialist in Soil Conservation  
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AMY WESSEL, B.S., Instructor in Agricultural Extension and State Club Agent

*Canning Project* (with Mildred Schenck and May Sontag). (Revised.) University of Minnesota Agricultural Extension 4-H Bulletin No. 17. 1938. 12 pages.

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Editor, *4-H News Letter*. Issued monthly. 1938-39. 10 mimeographed pages.

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SYLVAN T. WARRINGTON, M.A., Instructor in Agricultural Extension and Extension Assistant Economist in Marketing

*Livestock Shipping Associations* (with A. A. Dowell). University of Minnesota Agricultural Experiment Station Bulletin No. 339. 1938. 24 pages.

*Minnesota Livestock Outlook for 1939*. University of Minnesota Agricultural Extension Pamphlet No. 56. 1938. 6 pages.

- Refrigerated Locker Service for Rural Patrons.* University of Minnesota Agricultural Extension Bulletin 202. June, 1939. 16 pages.
- "Variations in prices paid for hogs in Minnesota" (with W. C. Waite). *Farm Business Notes*, No. 187, pp. 1-3. July, 1938.
- "Hog outlook." *Ibid.*, No. 190, p. 3. October, 1938.
- "Variations in the cost of locker plants" (with A. A. Dowell and L. J. Fenske). *Ibid.*, No. 195, pp. 1-2. March, 1939.

## AGRICULTURAL SUBSTATIONS

### CROOKSTON

THOMAS M. MCCALL, M.S., Associate Professor and Superintendent of the Northwest School and Experiment Station

*Program of the Twenty-ninth Annual Farmers' Week and Women's Meetings at Crookston.* University of Minnesota, Northwest School and Experiment Station, Crookston Series. January, 1939.

Editor, *Northwest Monthly*, 1938-39.

Items for northwestern Minnesota newspapers on the work of the Northwest School and Experiment Station. 1938-39.

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

"Growth and yield in wheat, oats, flax, and corn as related to environment." *Journal of the American Society of Agronomy*, 30:895-908. November, 1938.

JOHN W. MLINAR, B.S., Assistant Professor and Registrar, Northwest School and Experiment Station

Editor, *Home Project News*, Vol. 5, Nos. 1-6. 1939.

Co-editor (with Dorothy M. Smith).

*Aggie Rouser*, Vol. I, Nos. 1-10. 1938-39.

*Red River Aggie*. 1939.

Items for northwestern Minnesota newspapers on the work of the Northwest School and regular contributor to *Northwest Monthly*, monthly school publication. 1938-39.

DOROTHY M. SMITH, M.A., Instructor, Northwest School and Experiment Station

Co-editor (with J. W. Mlinar)

*Aggie Rouser*. Vol. I, Nos. 1-10. 1938-39.

*Red River Aggie*. 1939.

### DULUTH

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

"Arrowhead agriculture—then and now." *Stock and Dairy Farmer*, 27:7. May, 1938.

"Meet'n our own folk." *Ibid.*, 27:7, 11. June, 1938.

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"Engineering on the farm calendar." *Ibid.*, 28:5. March, 1939.

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- "Chores of springtime." *Ibid.*, 28:5, 14. May, 1939.
- "Fruits recommended for planting in Minnesota, 1939. Report of the fruit list committee" (with T. L. Aamodt, W. H. Alderman, W. G. Brierley, C. Ash, and L. R. Fischer). *Minnesota Horticulturist*, 67:57. 1939.
- Editor, Farm Management Section, *Stock and Dairy Farmer*. 1938-39.
- Three editorials each month for the *Stock and Dairy Farmer*. 1938-39.
- Mimeographed material on Northeast Minnesota Cooperative Field Crop Tests. 1938.

## EXCELSIOR

- FRED E. HARALSON, Assistant Superintendent of the Fruit Breeding Farm, Excelsior
- "Annual report of the Minnesota Fruit Breeding Farm" (with W. H. Alderman). *Minnesota Horticulturist*, 66:183-94. 1938.

## GRAND RAPIDS

- RAYMOND L. DONOVAN, B.S.A., Associate Professor and Superintendent of the North Central School and Experiment Station
- "The search for natural history areas in Minnesota" (with A. N. Wilcox, W. J. Breckenridge, T. B. Magath, H. E. Stork, and G. Swanson). *Proceedings of the Minnesota Academy of Science*, 6:20-25. 1938.
- CLARENCE L. COLE, B.S., Assistant Professor, North Central School and Experiment Station
- Artificial Insemination of Farm Animals* (with R. E. Comstock, L. M. Winters, W. W. Green, and J. J. Bulik). University of Minnesota Agricultural Experiment Station Bulletin No. 336. 1938. 20 pages.
- "Artificial insemination in dairy cattle" (with L. M. Winters). *Journal of Dairy Science*, 22:107-10. February, 1939.

## MORRIS

- THEODORE H. FENSKE, B.S., Assistant Professor and Superintendent of the West Central School and Experiment Station
- Weekly news articles to 75 papers in West Central Minnesota.
- Editor
- West Central School News*, Vol. 21, Nos. 1-4. 1938-39.
- Bulletin of the University of Minnesota, Morris Series*, Vol. 29, Nos. 3, 4; Vol. 30, Nos. 1, 2. 1938-39.
- JOHN A. ANDERSON, B.S., Assistant Professor of Horticulture, West Central School and Experiment Station
- "Home beautification notes." *Projector of W.C.S.A.* 1938-39.
- "Potato growing notes." *Ibid.* 1938-39.
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- "Suggestions for home planting." *West Central School News*, Vol. 22, No. 1. March, 1939.
- Hardy Shrubs, Trees, and Perennials, Their Description and Uses. 1938. 7 mimeographed pages for class use.
- ROY O. BRIDGFORD, M.S., Assistant Professor of Agronomy, West Central School and Experiment Station
- Types of Farming*. 1938-39. 36 mimeographed pages.
- "High quality barley necessary for best price." West Central Minnesota newspapers, June 21, 1938.

- "The rust situation." West Central Minnesota newspapers, July 6, 1938.  
 "The weather of 1938." *Morris Tribune, Morris Sun, Starbuck Times*, December 31, 1938.  
 "Morris Station to distribute new oats." West Central Minnesota newspapers, March 1, 1938.  
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ALLEN W. EDSON, B.S., Assistant Professor of Farm Management, West Central School and Experiment Station

- "T. H. Fenske, Lambda, heads large school." *Sickle and Sheaf*, Vol. 29, No. 2. January, 1939.  
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PHILIP S. JORDAN, B.S., Assistant Professor of Animal and Dairy Husbandry, West Central School and Experiment Station

- Chopped vs. Whole Alfalfa Hay (with W. H. Peters). January 5, 1939. 7 mimeographed pages.

GLENN I. PRICKETT, B.A., Assistant Professor, West Central School and Experiment Station

- 4-H Messenger*, Grant County, Minnesota. April 1 to July 1, 1938.  
 "4-H club activities in Grant County, Minnesota." *Elbow Lake Herald*, weekly news contributions from April 1 to June 30, 1938.  
 Editor, *Projector of W.C.S.A.*, July 1 to October 1, 1938.

ALBERT C. HEINE, Instructor in Agricultural Engineering and Coach, West Central School and Experiment Station

- "Harvest reminders." *Project of W.C.S.A.* July, 1938.  
 "Tractor notes." *Ibid.* August, 1938.  
 "Tractor." *Ibid.* September, 1938.  
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JOSEPHINE LUTZ, B.A., Instructor in Art Education

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- Travelling Minnesota Artists Association Show—1 water color.
- Walker Gallery, Minnesota Artists Council Show—2 shows, 2 paintings.
- Monticello College, Invited Show—1 gouache painting.
- Women's Club Annual Show—1 gouache painting.
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