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A BIBLIOGRAPHY  
OF THE HISTORY OF AGRICULTURE  
IN THE UNITED STATES



UNITED STATES  
DEPARTMENT OF AGRICULTURE

MISCELLANEOUS PUBLICATION

No. 84



UNITED STATES DEPARTMENT OF AGRICULTURE  
MISCELLANEOUS PUBLICATION No. 84

WASHINGTON, D. C.

NOVEMBER, 1930

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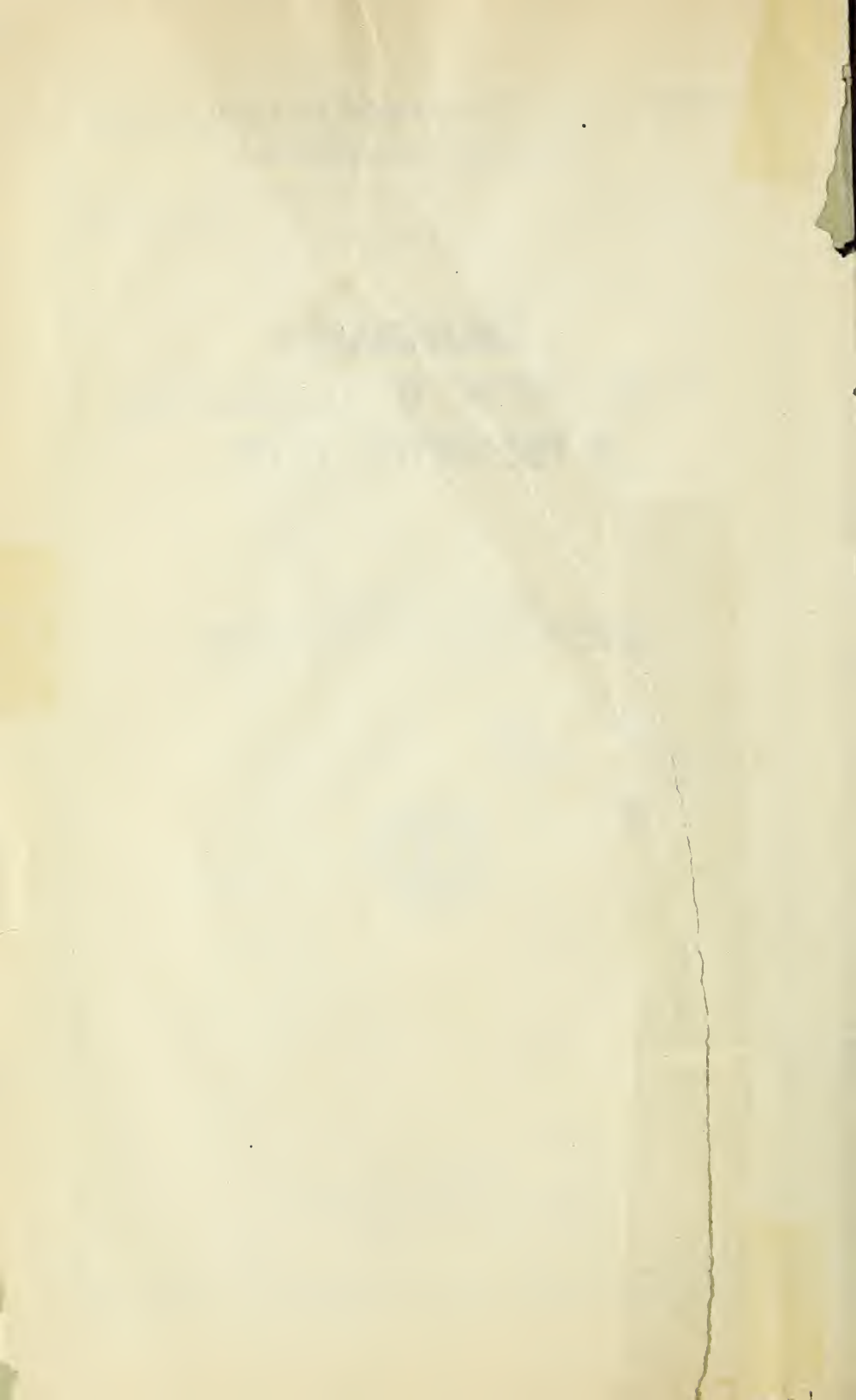
EVERETT E. EDWARDS

Associate Agricultural Economist, Division of Statistical  
and Historical Research, Bureau of Agricultural Economics

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UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1930



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# A BIBLIOGRAPHY OF THE HISTORY OF AGRICULTURE IN THE UNITED STATES

## FOREWORD

This bibliography is an amplification of a brief list of references prepared in the fall of 1927 for use in a course on the history of agriculture in the United States, taught in the graduate school of the United States Department of Agriculture.

Only in the sections pertaining to agriculture in the strict sense of the word has an effort been made to list more than the main references. A few publications issued prior to 1900 and after 1929 are given, but only the literature printed during the intervening years has been carefully searched. No systematic attempt has been made to include pertinent items in publications of State departments of agriculture and in agricultural periodicals. The same is true of breed books and texts devoted primarily to agricultural methods.

In conformity with general governmental policy, the annotations are elucidations of titles and descriptions rather than critical evaluations.

The abbreviations of the titles of the periodicals cited are those employed in the Experiment Station Record and are listed in the United States Department of Agriculture Department Bulletin 1330.

The work on this bibliography has been done in the Bureau of Agricultural Economics library, the United States Department of Agriculture library, and the Library of Congress. The author wishes especially to thank the members of the Bureau of Agricultural Economics library and the Division of Statistical and Historical Research who aided in preparing the manuscript.

## GENERALITIES

### AMERICAN HISTORIES; A SELECTED LIST

BEARD, CHARLES AUSTIN, and MARY RITTER BEARD. THE RISE OF AMERICAN CIVILIZATION. New York, Macmillan Co., 1927. 2 v. (1)

A synthesis containing material of interest and value to the student of the history of American agriculture. It is useful as a survey of American history.

CALLENDER, GUY STEVENS, editor. SELECTIONS FROM THE ECONOMIC HISTORY OF THE UNITED STATES, 1765-1860, WITH INTRODUCTORY ESSAYS. Boston, Ginn & Co., 1909. 819 p. (2)

Note particularly the editorial essays.

CHANNING, EDWARD. A HISTORY OF THE UNITED STATES. New York, Macmillan Co., 1905 and later. (3)

Six volumes have been published. These cover the years 1000-1865. The footnotes and notes at the end of each chapter direct the reader to primary and secondary materials on the topics considered. Several of the volumes have chapters on agriculture.

**FAULKNER, HAROLD UNDERWOOD.** AMERICAN ECONOMIC HISTORY. New York and London, Harper & Bros., 1924. 721 p., maps. (Harper's Historical Series, edited by G. S. Ford.) (4)

Bibliographies at the end of each chapter.

This economic history of the United States is written from the historical point of view. Reviews in the Amer. Econ. Rev. 15: 90-91, March, 1925; Jour. Polit. Econ. 33: 361-362, June, 1925; and Amer. Hist. Rev. 30: 371-372, January, 1925.

Professor Faulkner has also written a shorter and less technical work on the same subject for the World Today Bookshelf series entitled "Economic History of the United States" (New York, Macmillan Co., 1928. 301 p.) It has suggested readings at the end of each chapter and a working list of books for students in American economic history on p. 291-294.

For a complete list of economic histories of the United States with discriminating comments thereon, consult p. 25 of N. S. B. Gras, *The Rise and Development of Economic History*, Econ. Hist. Rev. 1: January, 1927.

**GABRIEL, RALPH HENRY, editor.** THE PAGEANT OF AMERICA; A PICTORIAL HISTORY OF THE UNITED STATES. New Haven, Yale Univ. Press; [etc.], 1926 and later. 15 v. (5)

This series gives a pictorial history of America from the early Norse voyages to Vinland to the present. Each volume includes several hundred pictures, maps, and diagrams with accompanying explanatory paragraphs which give a history of the subject covered by that particular volume. The volumes in this series are a convenient place to go for pertinent pictures illustrative of American history.

The following volumes are of particular interest to students of the history of American agriculture: 1, *Adventurers in the Wilderness*, by Clark Wissler, Constance Lindsay Skinner, and William Wood; 2, *The Lure of the Frontier*, by Ralph Henry Gabriel; 3, *Toilers of Land and Sea*, by Ralph Henry Gabriel; 4, *The March of Commerce*, by Malcolm Keir; 5, *The Epic of Industry*, by Malcolm Keir; 8, *Builders of the Republic*, by Frederic Austin Ogg; 9, *Makers of a New Nation*, by John Spencer Bassett.

**HART, ALBERT BUSHNELL, editor.** THE AMERICAN NATION: A HISTORY. New York and London, Harper & Bros., 1904-1917. 27 v. and an index volume. (6)

Each volume has a chapter at the end entitled "Critical Essay on Authorities." These chapters are subdivided into topics. The pertinent volumes of this series are cited in the appropriate places in this bibliography.

**JOHNSON, ALLEN, editor.** THE CHRONICLES OF AMERICA. New Haven, Yale Univ. Press; [etc.], 1919-1921. 50 v. (7)

These volumes, based on source material and recent historical monographs, are planned to tell truthfully, concisely, and vividly, the story of America's past. They have many illustrations and maps. Each volume has an annotated, bibliographical note, frequently of considerable length, at the end. Attention is given to social and economic history in certain volumes. The pertinent volumes of this series are cited in the appropriate places in this bibliography.

**LIPPINCOTT, ISAAC.** ECONOMIC DEVELOPMENT OF THE UNITED STATES. 2d ed. New York, London, D. Appleton & Co., 1927. 771 p., maps, diagrs. (8)

References at the end of most of the chapters.

Written from the economic point of view. Review in Amer. Hist. Rev. 27: 583-585. April, 1922.

**MCMASTER, JOHN BACH.** A HISTORY OF THE PEOPLE OF THE UNITED STATES, FROM THE REVOLUTION TO THE CIVIL WAR. New York, D. Appleton & Co., 1883-1913. 8 v., maps. (9)

The author's emphasis is upon the life of the masses as distinguished from the governing groups. Those using these volumes will be interested in William T. Hutchinson, John Bach McMaster, *Historian of the American People*, Miss. Valley Hist. Rev. 16: 23-49. June, 1929. See also the comments by Allan Nevins, on p. 369-371 of his *Recent Progress of American Social History*, Jour. Econ. and Business Hist. 1: 365-383. May, 1929.

**PARRINGTON, VERNON LOUIS.** MAIN CURRENTS IN AMERICAN THOUGHT; AN INTERPRETATION OF AMERICAN LITERATURE FROM THE BEGINNINGS TO 1920. New York, Harcourt, Brace & Co., 1927-1930. 3 v. (10)

Bibliography at end of each volume.

V. 1, *The Colonial Mind, 1620-1800*; v. 2, *The Romantic Revolution in America, 1800-1860*; v. 3, *The Rise of Critical Realism in America*.



PARRINGTON, VERNON LOUIS—Continued.

A social interpretation of American literature. It has been referred to as a supplement to the *Rise of American Civilization*, by Charles A. and Mary R. Beard.

SCHLESINGER, ARTHUR MEIER, and DIXON RYAN FOX, editors. *A HISTORY OF AMERICAN LIFE* . . . Ashley H. Thorndike and Carl Becker, consulting editors. New York, Macmillan Co., 1927 and later. 12 v. (11)

A cooperative work which for the first time attempts to survey American history from the standpoint of cultural development rather than from that of the growth of political activities and constitutions. Each volume has a long chapter entitled "Critical Essay on Authorities." The material in these chapters is classified and considered under appropriate topics such as agriculture and the public lands, labor, and transportation and shipping. Each volume has carefully selected pictures, chiefly reproductions of illustrations contemporary with the events depicted.

Until recently, the majority of the American people have been engaged in agriculture or in occupations directly connected with agriculture. The volumes of this series, particularly those covering the period before the development of urban and industrial influences, are a social history of an agricultural people.

The following is a list of the volumes of this series: 1, *The Coming of the White Man, 1492-1848*, by Herbert I. Priestley; 2, *The First Americans, 1607-1690*, by Thomas Jefferson Wertenbaker; 3, *Provincial Society, 1690-1763*, by James Truslow Adams; 4, *1763-1790*, by E. B. Greene; 5, *1790-1830*, by D. R. Fox; 6, *The Rise of the Common Man, 1830-1850*, by Carl Russell Fish; 7, *1850-1865*, by A. C. Cole; 8, *The Emergence of Modern America, 1865-1878*, by Allan Nevins; 9, *1878-1898*, by Ida M. Tarbell; 10, *1878-1898*, by A. M. Schlesinger; 11, *The Quest for Social Justice, 1898-1914*, by Harold Underwood Faulkner; 12, *World War and Prosperity, 1914-1927*, by Preston W. Slosson. Those with complete titles have already been published.

## INTERPRETATIONS OF AMERICAN HISTORY

### ECONOMIC HISTORY

ASHLEY, SIR WILLIAM. *THE PLACE OF ECONOMIC HISTORY IN UNIVERSITY STUDIES*. *Econ. Hist. Rev.* 1: 1-11. January, 1927. (12)

Presented as the chairman's address at the economic history section of the Anglo-American Conference of Professors and Teachers of History, London, July 16, 1926.

CALLENDER, GUY S. *THE POSITION OF AMERICAN ECONOMIC HISTORY*. *Amer. Hist. Rev.* 19: 80-97. October, 1913. (13)

Reprinted in Schmidt and Ross, p. 1-16. (See item 789.)

CLAPHAM, JOHN HAROLD. *THE STUDY OF ECONOMIC HISTORY: AN INAUGURAL LECTURE*. Cambridge, Univ. Press, 1929. 40 p. (14)

GRAS, N. S. B. *THE RISE AND DEVELOPMENT OF ECONOMIC HISTORY*. *Econ. Hist. Rev.* 1: 12-34. January, 1927. (15)

See also his earlier article, *The Present Condition of Economic History*, *Quart. Jour. Econ.* 34: 209-224. February, 1920.

STAGES IN ECONOMIC HISTORY. *Jour. Econ. and Business Hist* 2: 395-418. May, 1930. (16)

Read at the meeting of the American Economic Association, Washington, D. C., Dec. 27, 1929.

SCHLESINGER, ARTHUR MEIER. *NEW VIEWPOINTS IN AMERICAN HISTORY*. New York, Macmillan Co., 1926. 299 p. (17)

Bibliographical note at end of each chapter.

See ch. 3, *Economic Influences in American History*, p. 47-71.

SÉE, HENRY EUGÈNE. *THE ECONOMIC INTERPRETATION OF HISTORY*. Translated, with introduction, by Melvin M. Knight. New York, Adelphi Co., 1929. 154 p. (18)

SELIGMAN, EDWIN R. A. *THE ECONOMIC INTERPRETATION OF HISTORY*. 2d ed., rev. New York, Columbia Univ. Press, 1922. 166 p. (19)

The prefatory note states that the book is substantially a reproduction, with some alterations, additions, and rearrangements, of articles that appeared in the *Political Science Quarterly*, v. 16-17.

## THE FRONTIER

- ALMACK, JOHN C. THE SHIBBOLETH OF THE FRONTIER. *Hist. Outlook* 16: 197-202. May, 1925. (20)  
 A criticism of the view that "the controlling factor in American life and character has been the frontier."
- BECKER, CARL. FREDERICK JACKSON TURNER. AMERICAN MASTERS OF SOCIAL SCIENCE; AN APPROACH TO THE STUDY OF THE SOCIAL SCIENCES THROUGH A NEGLECTED FIELD OF BIOGRAPHY, edited by Howard W. Odum, ch. 9. New York, Henry Holt & Co., 1927. (21)  
 An indication of the import of Professor Turner's work and a bibliography of his books and articles are included.
- BIZZILLI, P. GEOPOLITICAL CONDITIONS OF THE EVOLUTION OF RUSSIAN NATIONALITY. *Jour. Modern Hist.* 2: 27-36. March, 1930. (22)  
 Bibliographical footnotes.  
 A study of the growth of American and Russian nationality through geographic expansion.  
 See also John Gould Fletcher's *The Two Frontiers: A Study in Historical Psychology*. New York, Coward-McCann, 1930.
- BOWMAN, ISAIAH. THE PIONEER FRINGE. *Foreign Affairs* 6: 49-66. October, 1927. (23)  
 A study of the pioneer fringe in pioneer lands of to-day.
- EMERSON, GUY. THE NEW FRONTIER; A STUDY OF THE AMERICAN LIBERAL SPIRIT, ITS FRONTIER ORIGIN, AND ITS APPLICATION TO MODERN PROBLEMS. New York, Henry Holt & Co., 1920. 314 p. (24)  
 Appendix (Bibliography of American history), p. 305-308.
- FISH, CARL RUSSELL. THE FRONTIER A WORLD PROBLEM. *Wis. Mag. Hist.* 1: 121-141. December, 1917. (25)  
 Delivered as the annual address before the State Historical Society of Wisconsin, Oct. 25, 1917.
- GABRIEL, RALPH HENRY. THE LURE OF THE FRONTIER. A story of race conflict. New Haven, Yale Univ. Press; [etc.], 1929. 327 p., illus., incl. maps. (The Pageant of America; A Pictorial History of the United States, edited by Ralph Henry Gabriel, v. 2). (26)  
 Note particularly the foreword, *The American Frontier*, p. 1-6, and also the maps showing the extent of settlement at various times. The chapter titles are: 1, In the Shadow of the Appalachians; 2, The Foothold Across the Mountains; 3, In the Country of the Iroquois; 4, The Old Northwest; 5, The Conquest of the Old Southwest; 6, In the Great Lakes Country; 7, Expansion and Exploration; 8, Traders and Trappers on the Great Plains; 9, The Mountain Wilderness; 10, Texas and California; 11, The New Indian Policy; 12, The Frontier of the Plains; 13, Meeting the Challenge of the Desert; 14, Alaska.
- HAZARD, LUCY LOCKWOOD. THE FRONTIER IN AMERICAN LITERATURE. New York, T. Y. Crowell Co., 1927. 308 p. (27)  
 General bibliography, p. 301-304; also a bibliography at end of each chapter.
- HEATON, HERBERT. THE DEVELOPMENT OF NEW COUNTRIES.—SOME COMPARISONS. *Minn. Hist.* 10: 3-25. March, 1929. (28)
- HULBERT, ARCHER BUTLER. FRONTIERS, THE GENIUS OF AMERICAN NATIONALITY. Boston, Little, Brown & Co., 1929. 266 p. (29)  
 See especially ch. 3, *The Soil Factor in American Unification*, p. 34-57; also ch. 13, *A Road Made Rough with Bayonets*, p. 201-219, which deals with sectionalism.
- HUNTINGTON, ELLSWORTH. WHY THE AMERICAN WOMAN IS UNIQUE. *Nation* 125: 105-107. August 3, 1927. (30)
- MODE, PETER G. REVIVALISM AS A PHASE OF FRONTIER LIFE. *Jour. Religion* 1: 337-353. July, 1921. (31)
- NIXON, HERMAN CLARENCE. PRECURSORS OF TURNER IN THE INTERPRETATION OF THE AMERICAN FRONTIER. *So. Atlantic Quart.* 28: 83-89. January, 1929. (32)  
 The most comprehensive statement of the influence of free land in American history before Professor Turner's famous thesis was formulated, namely, that by Henry George in bk. 7, ch. 5 of his *Progress and Poverty*, is not mentioned.
- PARISH, JOHN CARL. THE PERSISTENCE OF THE WESTWARD MOVEMENT. *Yale Rev.* (n. s.) 15: 461-477. April, 1926. (33)

PAXSON, FREDERIC LOGAN. HISTORY OF THE AMERICAN FRONTIER, 1763-1893. Boston and New York, Houghton Mifflin Co., 1924. 589 p., maps. (34)  
Bibliographical footnotes.

A synthesis of the available facts on the westward advance of the frontier, 1763-1893. It is primarily a description of the events and movements rather than an analysis. Awarded the Pulitzer prize in American history.

See also his *When the West Is Gone*. New York, Henry Holt & Co., 1930. 137 p.

— INFLUENCE OF FRONTIER LIFE ON THE DEVELOPMENT OF AMERICAN LAW. Wis. State Bar Association Proc., 1919, 1920, and 1921, p. 477-489. Madison, Wis., Cantwell Print. Co., 1921. (35)

— THE LAST AMERICAN FRONTIER. New York, Macmillan Co., 1910. 402 p., maps. (36)

Notes on the sources, p. 387-392.

See ch. 1.

POUND, ROSCOE. THE SPIRIT OF THE COMMON LAW. Boston, Marshall Jones Co., 1921. 224 p. (37)

These essays by the dean of the Harvard Law School were given as lectures at Dartmouth College. The fifth essay considers the influence of frontier conditions on common law.

See also the author's article, *The Pioneers and the Common Law*, *West Va. Law Quart.* 27: 1-19, November, 1920.

SAGE, WALTER. SOME ASPECTS OF THE FRONTIER IN CANADIAN HISTORY. *Canad. Hist. Assoc. Rpt.* 1928: 62-72. (38)

A discussion of the applicability to Canadian history of Professor Turner's teaching in regard to the frontier.

SEMPLE, ELLEN CHURCHILL. INFLUENCE OF GEOGRAPHIC ENVIRONMENT ON THE BASIS OF RATZEL'S SYSTEM OF ANTHROPO-GEOGRAPHY. New ed. New York, Henry Holt & Co., 1923. 683 p., maps. (39)

Bibliography at end of chapters.

In this connection, see ch. 7, *Geographical Boundaries*.

SIMS, NEWELL LEROY. THE RURAL COMMUNITY, ANCIENT AND MODERN. New York, Charles Scribner's Sons [1920]. 916 p. (40)

See p. 121-129, *The Rise of Individualism*.

THOMAS, JOHN M. INFLUENCE OF FRONTIER LIFE ON AMERICAN CHRISTIANITY. *N. J. Hist. Soc. Proc.* (n. s.) 11: 1-18. January, 1926. (41)

TURNER, FREDERICK JACKSON. THE FRONTIER IN AMERICAN DEVELOPMENT. *Cyclopedia of American Government*, edited by Andrew C. McLaughlin . . . and Albert Bushnell Hart, v. 2, p. 61-64. New York and London, D. Appleton & Co., 1914. (42)

— THE FRONTIER IN AMERICAN HISTORY. New York, Henry Holt & Co., 1921. 375 p. (43)

Bibliographical footnotes.

Review in *Amer. Hist. Rev.* 26: 542-543. April, 1921.

This book is a collection of thirteen classic essays by Professor Turner on phases of the subject. His essays dealing with the connection of diplomatic history and the frontier and others stressing the significance of the section or geographic province, in American history are not included. Neither the French nor the Spanish frontier is within the scope of this volume.

The following are the titles of the essays: 1, *The Significance of the Frontier in American History*; 2, *The First Official Frontier of the Massachusetts Bay*; 3, *The Old West*; 4, *The Middle West*; 5, *The Ohio Valley in American History*; 6, *The Significance of the Mississippi Valley in American History*; 7, *The Problem of the West*; 8, *Dominant Forces in Western Life*; 9, *Contributions of the West to American Democracy*; 10, *Pioneer Ideals and the State University*; 11, *The West and American Ideals*; 12, *Social Forces in American History*; 13, *Middle Western Pioneer Democracy*.

Note particularly the initial essay, *The Significance of the Frontier in American History*, in which the view is propounded that American social development has been shaped by the continual renewal, the "beginning over again," of our westward-moving frontier. This essay was originally printed in *Amer. Hist. Assoc. Rpt.* 1893: 199-227, and in the *Wis. State Hist. Soc. Proc.* (1893) 41: 79-112. It caused all students of American history to reshape their views of the meaning of American history and has had a dominating influence in all American historical writing since its appearance.

UNITED STATES BUREAU OF CENSUS. STATISTICAL ATLAS OF THE UNITED STATES, 13TH CENSUS, 1910. Washington, Govt. Print. Off., 1914. (44)

Note especially p. 12-24 and plates 3 through 15.

A consideration of the distribution of people and recession of the frontier by periods from 1790 through 1910.

#### IMPERIAL HISTORY; ENGLISH AND AMERICAN

ALDEN, GEORGE H. THE EVOLUTION OF THE AMERICAN SYSTEM OF FORMING AND ADMITTING NEW STATES. *Ann. Amer. Acad. Polit. and Social Sci.* 18: 469-479. November, 1901. (45)

ALVORD, CLARENCE WALWORTH. THE IMPERIAL SCHOOL OF AMERICAN HISTORY. *Landmark* 7: 479-482. August, 1925. (46)

A discussion of the scientific interpretation of American colonial history by the "new school" of historians who consider the colonies as an integral part of the developing British Empire.

BENTON, ELBERT JAY. ESTABLISHING THE AMERICAN COLONIAL SYSTEM IN THE OLD NORTHWEST. *Ill. State Hist. Soc. Trans.* 1918: 47-63. (47)

BOND, BEVERLEY W. AN AMERICAN EXPERIMENT IN COLONIAL GOVERNMENT. *Miss. Valley Hist. Rev.* 15: 221-235. September, 1928. (48)

BURDICK, CHARLES K. THE LAW OF THE AMERICAN CONSTITUTION; ITS ORIGIN AND DEVELOPMENT. New York and London, G. P. Putnam's Sons, 1922. 688 p. (49)  
See ch. 10, Federal Territory, Admission of States and Status of Indians, p. 272-317.

CAPO RODRIGUEX, PEDRO. COLONIAL REPRESENTATION IN THE AMERICAN EMPIRE. *Amer. Jour. Internatl. Law* 15: 530-551. October, 1921. (50)

A study of the territorial expansion of the United States and its governmental policy in regard to acquired regions.

HINSDALE, BURKE AARON. THE OLD NORTHWEST; THE BEGINNINGS OF OUR COLONIAL SYSTEM. Rev. ed. Boston, Silver, Burdett & Co., 1899. 430 p., maps. (51)

MCCARTY, DWIGHT GAYLORD. THE TERRITORIAL GOVERNORS OF THE OLD NORTHWEST; A STUDY IN TERRITORIAL ADMINISTRATION. Iowa City, Iowa, State Hist. Soc. Iowa, 1910. 210 p. (52)

One of the few attempts to analyze the American colonial policy.

PAXSON, FREDERIC LOGAN. HISTORY OF THE AMERICAN FRONTIER, 1763-1893. Boston and New York, Houghton Mifflin Co., 1924. 598 p., maps. (53)

Bibliographical footnotes.

See ch. 5, The Land Problem, p. 43-49; ch. 6, Creation of the Public Domain, p. 50-58; ch. 7, The National Land System, p. 59-70; and ch. 59, The Disappearance of the Frontier, p. 564-573.

See also Andrew C. McLaughlin's *The Background of American Federalism*, *Amer. Polit. Sci. Rev.* 12: 215-240. May, 1918. The purpose of this paper is to make plain two facts: first, that the essential qualities of American Federal organization were largely the product of the practices of the old British empire as it existed before 1764; second, that the discussions of the generation from the French and Indian War to the adoption of the Constitution of 1787, and, more particularly, the discussions in the ten or twelve years before independence were over the problem of imperial organization.

#### SECTIONALISM IN AMERICAN HISTORY

AGRICULTURAL SECTIONALISM. (54)

For a consideration of agriculture by belts, sections, and regions, see Oliver E. Baker, *Agricultural Regions of North America*, a series of articles which have appeared in *Econ. Geogr.* The installments are listed in detail in the subsection of this bibliography entitled *Geography of American Agriculture*. Also N. S. B. Gras, *A History of Agriculture in Europe and America* (New York, F. S. Crofts & Co., 1925), ch. 16, no. 115, *Agricultural Sectionalism*, p. 405-408.

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Critical essays on sources of information on the English colonies in America in the seventeenth and eighteenth centuries are included. Also many bibliographical footnotes.

WRITINGS ON AMERICAN HISTORY. (95)

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These annual volumes begin in 1902 and have been prepared by several people and published under various auspices. For details on this point consult the preface of any of the recent volumes. Beginning with 1906 the volumes have been prepared by Grace Gardiner Griffin and although the individual volumes have been published under various arrangements copies beginning with the volume for 1906 can be obtained from the secretary of the American Historical Association, Washington, D. C. Beginning with the volume for 1918, the American Historical Association has published these annual bibliographies as supplementary volumes in its annual reports.

The citations are grouped under chronological period headings, regional headings, and topical headings. The citations listed under its subheadings agriculture; forestry; land, commerce, and industry; etc., of the section devoted to social and economic history are of particular interest to workers in the history of American agriculture.

#### ANNUAL REPORTS AND YEARBOOKS

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Frequently the annual reports of the United States Department of Agriculture contain summaries of the developments in American agriculture, usually only for the year covered by the report. These, when taken together, can be used as a history of the developments in American agriculture. The report of the Secretary of Agriculture to the President which appears at the beginning of each yearbook is just such a summary.

Occasionally these annual reports include short, general summaries of the history of agriculture in the United States. The most important of these have been cited under the heading, General Summaries, in this bibliography.

The attention of historical students is also called to the series of articles inaugurated in the spring of 1921 by the late Henry C. Wallace when he became Secretary of Agriculture. The depressed condition of American agriculture gave unusual importance to the economic problems of the farmers. Mr. Wallace considered it desirable that the causes of the situation which was ruining many farmers and making practically all farming unprofitable should be explained. He, therefore, planned a series of yearbooks in which detailed consideration was given to the economic phases of farm production and marketing. In these articles the historical side was given consideration. In the yearbook for 1921, wheat, corn, beef, and cotton were considered; in 1922, hogs, dairy products, tobacco, small grains other than wheat, and forestry; in 1923, sugar, sheep, forage resources, land utilization, and land tenure; in 1924, highways and highway transportation, farm credit, farm insurance and farm taxation, hay, the poultry industry, and weather and agriculture. The articles on the fruit and vegetable industries which completed the series were included in the yearbook for 1925.

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REPORTS OF STATE DEPARTMENTS OF AGRICULTURE AND AGRICULTURAL EXPERIMENT STATIONS. (97)

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The U. S. Dept. Agr. Bul. 1199, List of Bulletins of the Agricultural Experiment Stations in the United States from their Establishment to the end of 1920 lists approximately 12,500 of the 17,500 or more publications of the State experiment stations, including those of Alaska and the insular colonies, from 1875 to 1920 inclusive. It is confined primarily to the regular bulletin series of the stations. It does not include circulars and other more or less ephemeral publications; annual reports, except such as are numbered as bulletins; nor scientific contributions from the stations which have appeared in the Journal of Agricultural Research or other scientific periodicals. A series of supplements to this bulletin puts one in touch with station bulletins published since 1920.

The Agricultural Index (New York, H. W. Wilson Co., 1916–) and files of the Experiment Station Record (Washington, Govt. Print. Off., 1890–) are also helpful in locating pertinent material in State departments of agriculture, agricultural college, and agricultural experiment station reports and bulletins.

CURRENT ARTICLES AND BOOKS

Agricultural History, the quarterly journal of the Agricultural History Society was inaugurated in 1927 and is designed as a medium for the publication of research and documents pertaining to the history of agriculture and as a clearing house for information of interest and value to workers in this subject. The term "agricultural history" is interpreted broadly. Materials on the history of agriculture not only in the United States but in all countries and in all periods of history are included, and also materials on institutions, organizations, and sciences which have been factors in agricultural history. Each number has a section entitled "News Notes and Comments," in which current books and articles pertaining to agricultural history are cited.

The agricultural History Society has also published three volumes of Agricultural History Society Papers in cooperation with the American Historical Association as part of the association's annual reports. These volumes, consisting chiefly of papers read at meetings of the society, have also been distributed separately by the society.

American Economic Review, the quarterly journal, published by the American Economic Association since March, 1911, has a section entitled "Reviews and New Books" which has reviews and citations of current books and articles on agricultural history. Most of these are found in the subsection entitled "Agriculture, Mining, Forestry and Fisheries." Occasionally this journal prints articles on phases of agricultural history or influences in agricultural development.

Each number of the American Historical Review, the quarterly journal, published by the American Historical Association since October, 1895, has considerable space devoted to reviews and notes on current books and articles arranged chronologically and regionally.

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The frost section, the cotton section, and the rural population section had been issued and the precipitation and humidity section had been submitted when the World War came. The Joint Congressional Committee on Printing held up further publication in order that the Government Printing Office might concentrate on work immediately necessary. At the close of the war, publication was further delayed. It was believed that this atlas was a very expensive publication of interminable length. Eventually a compromise was reached; the United States Department of Agriculture agreed to submit hereafter for publication in this rather expensive form only the sections relating to the physical basis of agriculture, consisting of climate, soil, and vegetation maps, and use the material relating to the more transitory statistics of crops and livestock in the department's yearbooks.

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- HOUSTON, DAVID FRANKLIN. THE BUSINESS OF AGRICULTURE DURING THE WAR AND AFTER. Discussion of the nation's most vital industry, by D. F. Houston . . . R. A. Pearson . . . and Clarence Ousley . . . Washington, U. S. Dept. Agr., 1918. 35 p. (2539)
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SURFACE, FRANK MACY. AMERICAN PORK PRODUCTION IN THE WORLD WAR. A story of stabilized prices and of the contribution of American farmers to the allied cause and the post-armistice famine. Chicago and New York, A. W. Shaw Co. [etc.], 1926. 217 p. (2550)

THE GRAIN TRADE DURING THE WORLD WAR; BEING A HISTORY OF THE FOOD ADMINISTRATION GRAIN CORPORATION AND THE UNITED STATES GRAIN CORPORATION. New York, Macmillan Co., 1928. 679 p. (2551)

Review by Walter R. Sharp in Polit. Sci. Quart. 45: 143-145. March, 1930.

Discussion of the policies and accomplishments of the Food Administration Grain Corporation and its successor, the United States Grain Corporation, in carrying out the mandates of Congress regarding a guaranteed price for wheat and in providing an adequate supply of cereal foods for ourselves and the allied nations.

THE STABILIZATION OF THE PRICE OF WHEAT DURING THE WAR AND ITS EFFECT UPON THE RETURNS TO THE PRODUCER. Washington, U. S. Grain Corp., 1925. 100 p. (2552)

This preliminary report describes the wheat situation at the time of the passage of the food control act in 1917 and the machinery set up under the act for the fixing of the price. Many statistical tables are given to show the results obtained by the control of prices.

THOMPSON, JOHN G. THE NATURE OF DEMAND FOR AGRICULTURAL PRODUCTS AND SOME IMPORTANT CONSEQUENCES. Jour. Polit. Econ. 24: 158-182. February, 1916. (2553)

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See the volumes, bulletins, etc., on agriculture for material on the status of agriculture after the World War.

THIRTEENTH CENSUS OF THE UNITED STATES: 1910. Washington, Govt. Print. Off., 1912- (2555)

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UNITED STATES DEPARTMENT AGRICULTURE. YEARBOOKS 1914-1920. Washington, Govt. Print. Off., 1915-1921. (2556)

The annual reports of the Secretary of Agriculture. The articles and the statistics in each of these volumes give much information on the changes in agriculture which occurred during the war.

## THE AGRICULTURAL PROBLEM; ANALYSES AND PROPOSED SOLUTIONS

AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE, PHILADELPHIA. THE AGRICULTURAL SITUATION IN THE UNITED STATES. Philadelphia, 1925. 304 p. (Its Annals 117 (206): January, 1925.) (2557)

This volume deals with the agricultural situation, its causes and remedies. Among the more significant of the 32 articles in the volume are: A National Agricultural Program, by H. C. Wallace (The program suggested includes good farming; good farm management; diffusion of information by Federal and State agencies; spreading knowledge concerning the new Federal credit facilities; reduction in freight rates; helping the farmer over the present crisis, including suggestions on the surplus); The American Farmer and the Tariff, by C. W. Homan (A discussion of the Fordney-McCumber Tariff Act; the Tariff Commission and wherein it has failed); A Balanced Agricultural Output, by W. J. Spillman.

FARM RELIEF . . . editor in charge of this volume, Clyde L. King. Philadelphia, 1929. 479 p. (Its Annals 142 (231): March, 1929.) (2558)

Review by Joseph S. Davis in Quart. Jour. Econ. 44: 153-159, November, 1929.

This volume contains the following papers by students in the field of agricultural economics: Recent Trends in Real Farm Income, by L. H. Bean;



## AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE—Continued.

The Farm Income Problem, by Robert J. McFall; The Recent Trend in the Purchasing Power of Farm Products, by A. B. Genung; The Trend in Farm Ownership, by L. C. Gray; Trends in Farm Land Values in the United States from 1912-1928, by Karl Scholz; Population Trends, by John M. McKee; Movements To and From Farms, by Charles L. Stewart; Tendencies in Milk Production in Massachusetts, by Robert J. McFall; Forestry and the Agricultural Crisis, by Raphael Zon; Recent Trends in Export Trade in Agricultural Products, by E. G. Montgomery; Trends in Agricultural Exports, by H. R. Enslow; Tariff Handicaps, by J. E. Boyle; Changes in Production and Consumption of Our Farm Products and the Trend in Population, by O. E. Baker; Transportation Rates and Facilities, by Harry Gabriel; The Public Lands and Immigration, by Donald Young; Stabilization of Prices and the Farmer's Income, by J. S. Lawrence; The Increased Cost of Erosion, by Hugh H. Bennett; Reclamation Projects and Their Relation to Agricultural Depression, by Millard Peck; The Futility of Further Development of Irrigation Projects, by Frank P. Willits; Relief From Farm Labor Costs, by Josiah C. Folsom; Science and the Farmer, by F. D. Farrell; Recent Trends Balancing Agriculture in the United States, by W. J. Spillman; Diversification of Agriculture—Its Limitations and Its Advantages, by W. E. Grimes; Livestock Prices Bring Farm Relief, by S. W. Russell; The Industrialization of Agriculture, by Frank App; Agricultural Contrasts, by L. W. Wallace; Outlook for the Dairy Industry in the United States, by A. E. Woods; What the Agricultural Extension Service Has Done for Agriculture, by M. S. McDowell; The Economic Significance of Commercial Fertilizers, by J. G. Lipman; Farm Products in Industry, by George M. Rommel; Farm Relief and a Permanent Agriculture, by R. G. Tugwell; The Mississippi Waterway, by Norman F. Titus; The St. Lawrence Waterway, by G. P. Pillsbury; Recent Migrations of Industries in the United States, by R. H. Lansburgh; The Outlook for Crop Insurance, by G. Wright Hoffman; The General Property Tax as a Factor in the Unsatisfactory Agricultural Situation, by F. P. Weaver; Some Essentials of a Farm Relief Plan, by Arthur Capper; The Essentials in Farm Relief as Viewed by the American Farm Bureau Federation, by Sam H. Thompson; The Attitude of the National Grange Toward the Tariff, by L. J. Taber; Limitations, Advantages, and Special Field of Direct Marketing, by Gilbert S. Watts; Market Information and the Farmer's Problems, by F. F. Linninger; A Foreign Policy for the American Farmer, by John G. Hervey; Agricultural Aid in Czechoslovakia, by Dr. Antonin Prokes; Aid to German Agriculture, by Dr. R. E. Bose; Some National Policies Toward Agriculture, by Charles L. Stewart; Plans for Raising Prices of Farm Products by Government Action, by John D. Black; The Relation of Annual Weather Surpluses to Net Farm Incomes, by George M. Peterson; Stabilization of Farm Prices and the McNary-Haugen Bill, by H. A. Wallace; A Half Century of Cooperative Marketing in the United States and Canada, by J. F. Booth; Recent Trends in Cooperative Marketing, by B. H. Hibbard; Standardizing Production—What Has Been Done and What Can Be Done, by Wells A. Sherman; The Standardization Program of the Agricultural Cooperatives of the United States, by R. W. Balderston; What A Federal Farm Board Can Do—A Basis for National Agricultural Policies, by Clyde L. King; The Pending Federal Farm Board Relief Bill, by Charles L. McNary; Agriculture Surplus Control, by W. M. Jardine; Operation of the Australian Dairy Produce Export Board, by J. Russell King.

ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. Report on the agricultural situation by the special committee of the Association of land grant colleges and universities appointed by the executive committee of the Association. Submitted by the executive committee to the executive body of the association at the 41st annual convention. Chicago, Ill., November 15 to 17, 1927. [Chicago ? 1927.] 40 p. (2559)

Discussed in Jour. Farm Econ. 10: 84-105. January, 1928.

BLACK, JOHN D. AGRICULTURAL REFORM IN THE UNITED STATES. 1st ed. New York [etc.], McGraw-Hill Book Co., 1929. 511 p. (2560)

A discussion of the issues of agricultural reform as they are likely to come before the people of the United States in the next 10 years. The data and facts are brought up to the minute, but they also reach back and furnish a basis for discovering the trends.

Review by Benjamin H. Hibbard in Amer. Econ. Rev. 19: 675-677. December, 1929. By Joseph S. Davis in Quart. Jour. Econ. 44: 153-159. November, 1929. By Asher Hobson in Jour. Farm Econ. 11: 667-671. October, 1929.

BLACK, JOHN D.—Continued.

The following are the chapter titles: 1, Agriculture Now; 2, The Place of Agriculture in the National Economy; 3, Relief Programs; 4, The Effect of Surpluses on Prices and Incomes; 5, Gains From Holding Over Till Later Years; 6, Season Surpluses and Gains From Holding During the Year; 7, Tariff Revision; 8, The Equalization-fee Plan; 9, Export Debentures; 10, The Domestic Allotment Plan; 11, Other Price Raising Plans; 12, Is Price Raising Feasible?; 13, Assisted Laissez Faire; 14, Cooperative Action; 15, Stabilization Corporations and Other Quasi-public Agencies; 16, Production; 17, Land Utilization; 18, Marketing; 19, Transportation; 20, Immigration and Farm Labor; 21, Credit; 22, Public Enterprise and Taxation.

— THE PRESENT STATUS OF AGRICULTURE IN THE UNITED STATES. *Sci. Agr.* 9: 269–281. January, 1929. (2561)

A discussion of prices; volume of product and income; comparison with urban industry; land values; rural wealth; population changes; regional differences; and political aspects. The section on political aspects pertains to various legislative measures which have been introduced.

— THE RÔLE OF PUBLIC AGENCIES IN THE INTERNAL READJUSTMENTS OF THE FARM. *Jour. Farm Econ.* 7: 153–175. April, 1925. (2562)

A study of the United States Bureau of Agricultural Economics, the State departments of agriculture, and the State Agricultural colleges as collectors and disseminators of information pertinent to the farmer in the present crisis.

BOYLE, JAMES E. ANARCHY ON THE FARM AND HOW THE FARMER'S ILLS CAN BE CURED. *World's Work* 55: 175–182. December, 1927. (2563)

A view that agriculture is suffering from a three-fold anarchy: disorderly development, disorderly production, and disorderly marketing of perishables.

This article is reviewed in *Amer. Jour. Sociol.* 33: 1027–1028. May, 1928.

— FARM RELIEF; A BRIEF ON THE MCNARY-HAUGEN PLAN. Garden City, Doubleday, Doran & Co., 1928. 281 p. (2564)

The prospective user of this book is urged to consult the review in *Jour. Farm Econ.* 10: 397–400. July, 1928. And by J. S. Davis in *Quart. Jour. Econ.* 43: 532–543. May, 1929.

BROOKINGS, ROBERT S. AGRICULTURAL CORPORATIONS; THE CONVERSION OF AGRICULTURE INTO A PROSPEROUS INDUSTRY. Socializing the soulless corporation; a sequel to agricultural corporations. [Washington, D. C., Press of Judd & Detweiler, 1928.] 19 p. (2565)

The article on agricultural corporations was published in full in the *New York Herald-Tribune*, for Sept. 2 (sec 3), and in the *United States Daily* for Sept. 4, 1928. It also received wide publicity in the press as the plan for farm relief submitted to the Senate Committee on Agriculture and Forestry by Robert S. Brookings.

The articles are also reprinted as ch. 7 of the author's *Economic Democracy; America's Answer to Socialism and Communism*. New York, Macmillan Co., 1929.

BUSINESS MEN'S COMMISSION ON AGRICULTURE. THE CONDITION OF AGRICULTURE IN THE UNITED STATES AND MEASURES FOR ITS IMPROVEMENT. A report by the business men's commission on agriculture. Pub. jointly by National Industrial Conference Board (Inc.) 247 Park Avenue, New York City, and Chamber of Commerce of the United States of America, Washington, D. C. New York, 1927. 273 p. (2566)

Charles Nagel was chairman of this commission.

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CARR, LEWIS F. AMERICA CHALLENGED; A PREFACE TO A POINT OF VIEW. New York, Macmillan Co., 1929. 322 p. (2568)

A considerable part of the book is devoted to the historical background of the present agricultural problem.

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CARVER, THOMAS NIXON. THE VANISHING FARMER. SOME REASONS WHY WE HAVE AN AGRICULTURAL PROBLEM. *World's Work* 46: 504–511. September, 1928. (2569)

- CHEW, ARTHUR P. THE AGRICULTURAL DEPRESSION. I. SOME SUGGESTED REMEDIES. II. THE IMPORTANCE OF LAND PRICES. *New Repub.* 55: 62-64, 90-92. June 6, 13, 1928. (2570)
- OUR EMBATTLED FARMERS. *Atlantic Mo.* 136: 703-711. November, 1925. (2571)
- A discussion of the causes of the farmer's discontent.
- THE PLIGHT OF THE EFFICIENT FARMER. *Current Hist.* 30: 276-282. May, 1929. (2572)
- COLVIN, ESTHER M. AGRICULTURAL RELIEF; A SELECTED AND ANNOTATED BIBLIOGRAPHY. Compiled under the direction of Mary G. Lacy, librarian, Bureau of Agricultural Economics. Washington, D. C., June, 1929. 52 p. (*Agr. Econ. Bibliog.* 27.) Mimeographed. (2573)
- CONGRESS AND THE EXPORT DEBENTURE. *Natl. Grange Mo.* 26 (5): 12. May, 1929. (2574)
- A statement of the essentials of the export debenture plan and of the reasons why the National Grange advocates it.
- CONGRESSIONAL DIGEST 3 (8): May, 1924; 4 (8-9): Oct. 1925; 8 (5): May, 1929. Published at Munsey Building, Washington, D. C. (2575)
- These numbers deal entirely with the problem of agricultural relief. The first (May, 1924) is called Agricultural Relief Legislation. A calendar of all legislative measures of national interest receiving action in Congress, and a discussion, history, and statement of the provisions of the McNary-Haugen Bill are included.
- The second (October, 1925) is on Congress and cooperative marketing.
- The third (May, 1929) number is entitled: The Farm Relief Problem—1929. A discussion of the history of modern farm legislation, the present status of American agriculture, President Hoover's views on farm relief, and the export debenture plan are given. Also an analysis of pending bills. An article, The U. S. Government and the Farmer, considers the work of important departmental bureaus dealing with agriculture.
- DAVIS, JOSEPH STANCLIFFE. AMERICA'S AGRICULTURAL POSITION AND POLICY. *Harvard Business Rev.* 6: 143-151. January, 1928. (2576)
- An analysis of the national agricultural situation and some of the underlying causes. Trends and tendencies are pointed out and suggestions for a national policy are given. Delivered before the 1927 session of the Institute of Politics, Round Table 8.
- THE FARM EXPORT DEBENTURE PLAN. *Stanford Univ., Calif. Food Research Institute*, 1929. 274 p. (2577)
- The chapter titles: 1, Essential Features of the Plan; 2, The Case for the Plan; 3, Sources of Support for the Plan; 4, The Prospective Cost of the Plan; 5, Reflection Back to Farm Prices: The Case of Wheat; 6, The Question of Stimulus to Production of Wheat; 7, The Plan as Applied to Other Commodities; 8, The Bearing of Foreign Experience; 9, Potential Reactions of Foreign Governments; 10, Concluding Considerations.
- THE EXPORT DEBENTURE PLAN FOR AID TO AGRICULTURE. *Quart. Jour. Econ.* 43: 250-277. February, 1929. (2578)
- A discussion of the debenture plan under the following subjects: elements of the plan; bounty or subsidy; relation to Hamilton's bounty proposals; comparison with German import certificate system; and analogies to the protective tariff.
- DODD, WILLIAM E. SHALL OUR FARMERS BECOME PEASANTS. *Century* 116: 30-44. May, 1928. (2579)
- An analysis of the periods of distress and prosperity of American farmers and the relation of agriculture and industry in the United States since the American Revolution.
- ENGLUND, ERIC. THE BANK'S PART IN THE FARMER'S TROUBLE. An independent study of factors making for mid-west farm distress. *Nation's Business* 14 (11): 13-15, 50, 54, 56, 58. October, 1926. (2580)
- THE DILEMMA OF THE CORN BELT. Sound government or bad economics. *World's Work* 53: 40-48. November, 1926. (2581)
- A discussion of the Iowa movement, the movement for diversification, and the McNary-Haugen movement.
- FALLACIES OF A PLAN TO FIX PRICES OF FARM PRODUCTS BY GOVERNMENT CONTROL OF THE EXPORTABLE SURPLUS. *Jour. Farm Econ.* 5: 86-101. April, 1923. (2582)
- THE PLACE OF TAXATION IN A CONSTRUCTIVE AGRICULTURAL POLICY. *Jour. Farm Econ.* 7: 305-324. July, 1925. (2583)

- ERDMAN, H. E. RESEARCH AS A BASIS FOR AN AGRICULTURAL POLICY AND PROGRAM. Jour. Farm Econ. 10: 525-533. October, 1928. (2584)
- EZEKIEL, MORDECAI. A STATISTICAL EXAMINATION OF THE PROBLEM OF HANDLING ANNUAL SURPLUSES OF NON-PERISHABLE FARM PRODUCTS. Jour. Farm. Econ. 11: 193-226. April, 1929. (2585)
- THE FARM PROBLEM MADE CLEAR. Current Hist. 29: 265-281. November, 1928. This treatment consists of three articles: The Farmers' Problems and Proposed Solutions, by Kenyon L. Butterfield; The McNary-Haugen Plan for Relief, by George N. Peek; and Endorsement of the Hoover Plan for Efficient Cooperation, by B. F. Yoakum. (2586)
- GRAVES, L. M. A PROPOSAL FOR FARM RELIEF. 4 p. (Brookmire Farm Income Bul., pub. by Brookmire Economic Service, of New York. December 15, 1927, K XVI-12.) (2587)
- A recommendation of reduction of reclamation of waste lands, a comprehensive program of reforestation, a survey by the Department of Agriculture of lands to determine their economic utilization, and empowering the Federal Land Banks to issue unsecured debentures.
- HANNAY, Mrs. A. M., compiler. BOUNTIES ON AGRICULTURAL PRODUCTS; A SELECTED BIBLIOGRAPHY. Compiled under the direction of Mary G. Lacy, librarian, Bureau of Agricultural Economics. Washington, D. C., 1927. 128 p. (U. S. Dept. Agr. Bur. Agr. Econ. Agr. Econ. Bibliog. 20.) (2588)
- Most of the references relate either to the export bounty system that prevailed in America during the colonial period or to the sugar bounty which was not an export bounty.
- CONTROL OF PRODUCTION OF AGRICULTURAL PRODUCTS BY GOVERNMENTS; A SELECTED BIBLIOGRAPHY. Washington, D. C., 1927. 88 p. (U. S. Dept. Agr. Bur. Agr. Econ. Agr. Econ. Bibliog. 23.) (2589)
- GOVERNMENT CONTROL OF EXPORT AND IMPORT IN FOREIGN COUNTRIES. Washington, D. C., 1926. 126 p. (U. S. Dept. Agr. Bur. Agr. Econ. Agr. Econ. Bibliog. 12.) (2590)
- The references relate exclusively to export and import control measures and subsidies in foreign countries.
- HARWOOD, T. F. THE COOLIDGE BUSINESS BOOM VERSUS THE FARMER. Gonzales, Tex., 1928. 110 p. (2591)
- A discussion of the agricultural conditions during the Harding and Coolidge administrations.
- HAUGEN, GILBERT N. THE McNARY-HAUGEN FARM RELIEF BILL; AN OFFICIAL ANALYSIS OF ITS PROVISIONS. Cong. Digest 7 (6): 192, 194. June-July, 1928. (2592)
- HENDERSON, BERTHA. STATE POLICIES IN AGRICULTURAL SETTLEMENT. Jour. Land & Pub. Utility Econ. 2: 284-296. July, 1926. (2593)
- HIBBARD, BENJAMIN H. THE AGRICULTURAL SURPLUS. Jour. Farm Econ. 3: 194-207. April, 1926. (2594)
- HOLMES, C. L. AGRICULTURAL READJUSTMENT IN THE CORN BELT. Jour. Farm Econ. 7: 229-250. April, 1925. (2595)
- Consideration of a number of current problems of outstanding importance: modification of the cropping program; alternate cycles of under- and over-production of hogs in relation to the corn crop; the place of beef cattle in Corn Belt farming; individual efficiency of the farmer.
- HUTCHESON, JOHN R. OUR AGRICULTURAL PROBLEM. Blackburg, Va., Agr. and Mech. College and Polytechnic Institute; Exp. Div., 1926. 39 p. (2596)
- A study of why the purchasing power of the farmer's dollar has been low during recent years.
- KIRKPATRICK, ELLIS LORE. THE FARMER'S STANDARD OF LIVING. New York, Century Co., [1929]. 299 p. (The Century Rural Life Books, edited by C. J. Galpin.) (2597)
- Review by Carle C. Zimmerman in Amer. Jour. Sociol. 35: 498-499. November, 1929. By Elizabeth E. Hoyt in Jour. Farm Econ. 11: 671-672. October, 1929.
- LIPPINCOTT, ISAAC. WHAT THE FARMER NEEDS. New York, Appleton & Co., 1928. 200 p. (2598)
- A study of the farmers' needs more from the point of view of production than from that of marketing. Review by Joseph S. Davis in Quart. Jour. Econ. 43: 532-543. May, 1929. By E. G. Nourse in Jour. Farm Econ. 11: 168-169. January, 1929.

LOWDEN, FRANK O. THE FARM PROBLEM. *Jour. Farm Econ.* 9: 11-20. January, 1927. (2599)

An advocacy of cooperative marketing, a Federal Farm Board to supervise the disposal of any surplus, and efforts to stabilize prices as solutions of the farm problem.

RURAL ORGANIZATION. *Rural America* 7(9): 3-7. November, 1929. (2600)

Mr. Lowden's presidential address before the American Country Life Association Conference, Iowa State College, Oct. 17, 1929.

Most of the address is reprinted in Wallaces' Farmer and Iowa Homestead 54 (44): 1476, 1701, Nov. 2, 1929, with title, Do We Want Peasants or Yeomen?

WHAT WE CAN DO FOR THE FARMER. *World's Work* 50: 602-613. October, 1925. (2601)

A proposal of a Federal Farm Board.

This number of *World's Work* contains an editorial of Mr. Lowden's article.

McMILLEN, WHEELER. TOO MANY FARMERS; THE STORY OF WHAT IS HERE AND AHEAD IN AGRICULTURE . . . Foreward by William M. Jardine. New York, W. Morrow & Co., 1929. 340 p. (2602)

MEAD, EDWARD SHERWOOD, and BERNHARD OSTROLENK. HARVEY BAUM, A STUDY OF THE AGRICULTURAL REVOLUTION. Philadelphia, Univ. Pennsylvania Press, 1928. 149 p. (2603)

Parts of this book appeared in revised form in the *Annalist*, v. 33.

Anyone contemplating using this book is urged to consult the critical reviews of it by Joseph S. Davis in *Quart. Jour. Econ.* 43: 532-543. May, 1929. Also the review by Jesse Tapp in *Jour. Farm Econ.* 10: 552-555. October, 1928.

MINNESOTA PLAN OF FARM RELIEF. *Cong. Rec.*, Dec. 15, 1928, p. 701-702. (2604)

Also in *Commercial West* 54(25): 19, 22. Dec. 22, 1928. Also in the *Farmer* 46(51): 1832. Dec. 22, 1928.

This plan was drafted by over 60 Minnesota editors and includes the following: Development of Mississippi and St. Lawrence waterways; retention of flexible features of the Fordney-McCumber Tariff Act; amendment of the tariff laws; provision for research to find means of replacing imported farm products with native products, and the survey of the possibilities of utilizing increasingly raw farm products in our industries; consideration of the problems arising from the fact that our insular dominions are agricultural countries, tending to compete unfairly with our continental farming; shifting of Government activity from reclamation of land to reforestation and grazing; efforts to reduce costs of farm production; creation of a Federal Farm Board; framing of general credit policies; aid in the development of cooperative marketing; recognition of the increasing need of large supplies of cheap fertilizer.

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## AGENCIES PROMOTING AGRICULTURE

### UNITED STATES DEPARTMENT OF AGRICULTURE AND OTHER FEDERAL AGENCIES

ARNESON, BEN A. FEDERAL AID TO THE STATES. Amer. Polit. Sci. Rev. 16: 443-454. August, 1922. (3063)

A consideration of twelve acts providing for national aid to the States in some form or another. These acts are divided into three groups: the laws enacted from 1862 to 1906, giving aid to the States with comparatively few conditions; the recent acts which provide for the return to the State by the National Government of a portion of the income from leases, royalties, etc., accruing from natural resources owned by the National Government and located within the State; and the acts from 1914 to date, providing for conditional subsidies and placing a large amount of supervisory power in the national agencies.

In the first group are the following: the Morrill Land Grant Act, 1862; Additional Aid Act, 1890; Adams Act, 1906, supplementing and amending the Hatch Act of 1887. The following are considered in the second group: the National Forest Fund Act, 1907; as amended 1908, 1911, and 1914. In the third group, the Smith-Lever Act, 1914; the Federal Aid for Roads Act, 1916, as amended 1921; the Smith-Hughes Act, 1917, are considered.

BAILEY, LIBERTY HYDE, editor. GOVERNMENT AND LEGAL AID AND CONTROL. Cyclopedia of American Agriculture, v. 4, ch. 9, p. 478-546. 4th ed. New York, Macmillan Co., 1912. (3064)

This chapter includes short articles on Government service for agriculture in the United States, quarantine laws and practices, legislation relating to bovine tuberculosis, meat inspection, the Food and Drugs Act legislation relating to dairy products, legislation relating to the trade in fertilizers, legislation relating to the trade in feedstuffs, seed control and seed legislation, laws for the control of pests affecting agriculture, weed control and weed legislation, and several articles relating to Canada by various authors.

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THE STATE AND THE FARMER. New York, Macmillan Co., 1908. 177 p. (3066)

The basis of this book is a paper, *The State and the Farmer*, originating as a presidential address before the Association of American Agricultural Colleges and Experiment Stations, at Lansing, Mich., May 28, 1907.

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The chapter on history includes a consideration of the following topics: Purpose, origin, and development; The wild life in America during the pioneer period; The period of transition; The first two decades of governmental work, 1885 to 1905; and Twenty years as a Bureau, 1906 to 1923. The appendix includes outline of organization, classification of activities, publications, laws, etc.

THE BUREAU OF DAIRY INDUSTRY, ITS HISTORY, ACTIVITIES, AND ORGANIZATION. Baltimore Md., Johns Hopkins Press, 1929. 74 p. (Inst. Govt. Research, Serv. Monog. U. S. Govt., 55.) (3070)

Bibliography, p. 67-72.

THE DEVELOPMENT OF GOVERNMENT FOREST CONTROL IN THE UNITED STATES. Baltimore, Md., Johns Hopkins Press, 1928. 471 p. (Inst. Govt. Research, Studies in Admin.) (3071)

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THE OFFICE OF EXPERIMENT STATIONS, ITS HISTORY, ACTIVITIES, AND ORGANIZATION. Baltimore, Md., Johns Hopkins Press, 1924. 178 p. (Inst. Govt. Research, Serv. Monog. U. S. Govt. 32.) (3073)

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Agricultural Experiment Stations; Relations to Farmers' Institutes; Relations to State Extension Work; Irrigation and Drainage Investigations; Agricultural Engineering Investigations; Nutrition Investigations and Home Economics Work; Exhibition Activities; and Publication of Information.

DABNEY, CHARLES WILLIAM. SCIENTIFIC WORK OF THE DEPARTMENT OF AGRICULTURE. Washington, 1895. 5 p. (U. S. Dept. Agr., Off. Expt. Stas. Bul. 24, p. 63-67.) (3074)

DOUGLAS, PAUL H. A SYSTEM OF FEDERAL GRANTS. *Polit. Sci. Quart.* 35: 255-271, 522-544. June and December, 1920. (3075)

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— HISTORICAL SKETCH OF THE UNITED STATES DEPARTMENT OF AGRICULTURE; ITS OBJECTS AND PRESENT ORGANIZATION. 2d. rev. Washington, 1907. 97 p. (U. S. Dept. Agr., Div. of Pubs. Bul. 3.) (3081)

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The historical chapter includes a consideration of the following topics: Previous Relation of the National Government to Public Roads; The Office of Road Inquiry; Early Years, 1893 to 1905. Growth of the Service, 1906 to 1913; Direct Federal Aid; Federal Aid Road Act; Federal Aid in Operation; During the World War; Amendment of 1919; Distribution of Surplus War Materials; Federal Aid Work During 1912-1922; Federal Highway Act; National Forest Roads; Effect of Federal Aid on Previous Work; and Agricultural Engineering Work.

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The term "agricultural education" is interpreted broadly, and its relation to the general development and progress of science and education and to the background of economic conditions and of organizations of various kinds for the promotion of agriculture and country life is given. In addition to what one might expect from the title, material on the following topics is included: Early agricultural societies in North America; early agricultural fairs in North America; Government relations to education in the American colonies and early States; early State boards of agriculture; American agricultural periodicals; agricultural books and textbooks; lyceums. Biographical material on and estimates of such agricultural leaders as Samuel Latham Mitchell, Elkanah Watson, Edmund Ruffin, Stephen Van Rensselaer, Marshall P. Wilder, Amos Eaton, John Pitkin Norton, Justin S. Morrill, Oliver H. Kelley, Seaman A. Knapp, Norman J. Colman, William H. Hatch, Henry C. Adams, Stephen Babcock, Ashbury F. Lever, Hoke Smith, Fred S. Purnell, and D. M. Hughes.

**TRUE, ALFRED CHARLES.** A HISTORY OF AGRICULTURAL EXTENSION WORK IN THE UNITED STATES, 1785-1923. Washington, 1928. 220 p. (U. S. Dept. Agr. Misc. Pub. 15.) Bibliography, p. 202-218. (3175)

In this book the following subjects are considered: Beginning of extension work, 1785-1852; Early farmers' institutes, 1853-1879; Development of farmers' institutes with State aid, 1880-1900; Development of farmers' institutes with Federal assistance, 1901-1915; The decline of farmers' institutes, 1916-1923; Extension work of the agricultural colleges prior to 1914; Farmers' cooperative demonstration work; Farm-management extension work; Private agencies promoting county-agent work; Early development of county-agent work in Northern and Western States; History of the Smith-Lever extension act; First years' work under the Smith-Lever Act; The States Relations Service and pre-war cooperative extension work, 1915-1917; War-time extension work, 1917-1918; General status of cooperative extension work in 1919; Post-war readjustment of extension organization and work, 1919-1923; General status of cooperative extension work in 1923; Reorganization of the department's extension work.

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Attention is directed particularly to the following articles: Work of the Meteorologist for the Benefit of Agriculture, Commerce, and Navigation, by F. H. Bigelow, p. 71-92; Some Examples of the Development of Knowledge Concerning Animal Diseases, by D. E. Salmon, p. 93-134; Progress in Economic Entomology in the United States, by L. O. Howard, p. 135-156; Agricultural Education in the United States, by A. C. True, p. 157-190; Progress in the Treatment of Plant Diseases in the United States, by B. T. Galloway, p. 191-200; The Relation of Chemistry to the Progress of Agriculture, by H. W. Wiley, p. 201-258; A Review of Economic Ornithology in the United States, by T. S. Palmer, p. 259-292; Progress of Forestry in the United States, by Gifford Pinchot, p. 293-306; Soil Investigations in the United States, by Milton Whitney, p. 335-346; Progress of Economic and Scientific Agrostology, by F. Lamson Scribner, p. 347-366; Progress of Road Building in the United States, by Maurice O. Eldridge, p. 367-380; Development of Nutrition Investigations of the Department of Agriculture, by A. C. True and R. D. Milner, p. 403-414; Progress of Plant Breeding in the United States, by Herbert J. Webber and Ernst A. Bessey, p. 465-490; Development of Agricultural Libraries, by Charles H. Greathouse, p. 491-512; Agricultural Experiment Stations in the United States, by A. C. True, p. 513-548.

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This chapter has about 235 brief biographies.

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The lesser figures are not neglected, but the article deals primarily with John Taylor of Caroline, p. 305-307; John Skinner of Baltimore, p. 308-309; and Edmund Ruffin of Virginia, p. 309-312.

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Chapters on a dozen scientists who are called hunger fighters, as their discoveries either provided more food or controlled the diet deficiency diseases which the author calls hidden hunger. The following men are included: Stephen Moulton Babcock, p. 266-297; William James Beal and his experiments in corn breeding, p. 197-208; Mark Alfred Carlton, p. 2-30 (Also with the title Carleton, the Wheat Hunter, in the *Country Gent.* 91 (11): 12-13, 115-116, 118, November, 1926); Marion Dorset and his successful efforts to find a prevention of hog cholera, p. 68-97 (Also with title Dorset Digs a Grave for Hog Cholera, in the *Country Gent.* 91 (10): 18-19, 79-81, October, 1926.); E. B. Hart's part in the famous Wisconsin experiment, p. 284-297, 304-312; George Hoffer, p. 234-263; P. G. Holden, p. 182-192; Jacob Leaming and his work on corn breeding, p. 175-180. The chapter entitled The Wheat Finders: Mackay and Others More Eminent, printed also as The Men who Found Marquis Wheat, in the *Country Gent.* 91 (12): 12, 13, 68, 71-72,



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December, 1926, gives material on Angus Mackay, who developed Marquis Wheat, William Saunders, founder of the Dominion Experimental Farms System, and others associated with him. John Mohler and his war against the hoof and mouth disease, p. 100-129; James Reid's work with corn, p. 180-187; George Harris Shull and his corn breeding, p. 197-232; Henry A. Wallace, p. 187-193, 222-234.

DICTIONARY OF AMERICAN BIOGRAPHY. UNDER THE AUSPICES OF THE AMERICAN COUNCIL OF LEARNED SOCIETIES, EDITED BY ALLEN JOHNSON. New York, Charles Scribner's Sons, 1928. (3254)

No living persons have biographies in the D. A. B. and no persons who have not lived in the territory now known as the United States. Review by Arthur Meier Schlesinger in *Amer. Hist. Rev.* 35: 119-126. 624-625. October, 1929, April, 1930. By H. J. Carman in *Hist. Outlook* 21 (5): 211-212. May, 1930.

The following are included in the two volumes which have been published: Dudley W. Adams, horticulturist and leader in the Granger movement; Henry Cullen Adams, Congressman and author of the Adams Act; John Aldum, pioneer in viticulture; Thomas Afleck, agricultural writer; Valcour Aime, pioneer sugar planter; Anthony Benezet Allen, farmer, writer, manufacturer, and dealer in farm machinery; Richard Lamb Allen, agriculturist, editor, and manufacturer; William Vincent Allen, Populist Senator; Robert Francis Withers Allston, planter and Governor of South Carolina; Henry Elijah Alvord, specialist in dairy husbandry; Frederick Lothrop Ames, capitalist and patron of Arnold Arboretum; Elias Milton Ammons, ranchman and Governor of Colorado; Christopher Columbus Andrews, leader in conservation of forests; John Francis Appleby, inventor; Philip Danforth Armour, meat packer and grain dealer; Henry Prentiss Armsby, agricultural chemist; Lauren Briggs Arnold, dairy husbandman; William Harris Ashmead, entomologist; Jearum Atkins, inventor; Wilmer Atkinson, agricultural journalist; Wilbur Olin Atwater, pioneer in agricultural chemistry; Edward Payson Bacon, grain trader; Lorenzo Dow Baker, sea captain, planter and merchant; Patrick Barry, horticulturist; John Bartram, botanist; William Bartram, botanist; William James Beal, botanist; Adam Beatty, lawyer and agricultural writer; William James Behan, sugar planter and political leader; Isaac Bell, cotton merchant; James Stroud Bell, merchant miller; Caleb N. Bement, agriculturist, inventor and publicist; Thomas Hart Benton, champion of liberal land policies; John Alexander Binns, Virginia farmer; Nelson Gales Blalock, physician and agriculturist; John Beale Bordley, lawyer and agriculturist; Jean Etienne Boré, sugar planter; William Henry Brewer, scientist; Joseph Henry Brigham, agriculturist; William Draper Brincklé, physician and pomologist; Simon Brown, agricultural editor; Daniel Jay Brown, agricultural and scientific writer; William Jennings Bryan, political leader; Joseph Lancaster Budd, pioneer in horticulture; Jesse Buel, agriculturist; Ephraim Wales Bull, horticulturist; Luther Burbank, plant breeder and originator of new varieties; Thomas Jonathan Burrill, botanist and horticulturist; John Burroughs, author; George Washington Campbell, horticulturist; Horace Capron, agriculturist; Archibald Cary, planter, etc.; William Isaac Chamberlain, agriculturist; John Chapman, popularly known as "Johnny Applesseed"; John Simpson Chisum, cattleman; Foster Dwight Coburn, agricultural editor; Philip St. George Cocke, planter and writer on agriculture; Peter Collier, agricultural chemist; Norman Jay Colman, agricultural journalist and first Secretary of Agriculture; Zebedee Cook, horticulturist; Daniel William Coquillett, entomologist; Henry Hamilton Cox, farmer and poet; William Cox, pomologist; Ezra Townsend Cresson, entomologist; George Croghan, Indian trader and agent, land speculator; Michael Cudahy, meat packer.

THE GREATEST TEN. Wallace's Farmer 54(19): 4. May 10, 1929. (3255)

An editorial on the greatest ten discoveries or inventions for the benefit of agriculture during the past twenty years and a consideration of who made the discoveries.

GILLETTE, JOHN MORRIS. RURAL SOCIOLOGY. Rev. ed New York, Macmillan Co., 1928. 574 p. (3256)

See ch. 23, Developing Rural Leadership, p. 517-531. Note particularly the list of references on rural leadership and the origins of leadership.

HOLMES, ROY HINMAN. A STUDY OF THE ORIGINS OF DISTINGUISHED LIVING AMERICANS. *Amer. Jour. Sociol.* 34: 670-685. January, 1929. (3257)

A study of the 1924-25 edition of *Who's Who in America* reveals that the cities have been more than twice as productive of individuals of eminence as the rural districts. During the period 1840-90 the cities' ratio of productivity suffered a significant decline.

IVINS, LESTER SYLVAN, and ALBERT EDWARD WINSHIP. FIFTY FAMOUS FARMERS. New York, Macmillan Co., 1924. 407 p. (3258)

Biographical sketches of farm inventors, creators of better plants and animals, leaders in rural economics and social life, soil experts, administrators of agriculture, and secretaries of agriculture in cabinet of Presidents.

The following are the men included: F. Lothrop Ames, p. 137-141; Henry Prentiss Armsby, p. 329-342; Wilmer Atkinson, p. 179-185; Wilbur Olin Atwater, p. 245-253; Stephen Moulton Babcock, p. 3-12; Liberty Hyde Bailey, p. 321-324; Luther Burbank, p. 49-56; Kenyon Leech Butterfield, p. 216-219; Norman J. Colman, p. 359-363; William Isaac Chamberlain, p. 309-314; Eugene Davenport, p. 325-328; John Davy, p. 198-209; John Deere, p. 21-30; Carl Gustaf P. De Laval, p. 13-20; John Frederick Duggar, p. 351-356; Seth Hockett Ellis, p. 210-215; Sir Joseph Henry Gilbert, p. 242-244; Peter Henderson, p. 73-83; William Arnon Henry, p. 287-293; Eugene Woldemar Hilgard, p. 254-261; William Dempster Hoard, p. 105-113; Perry Greeley Holden, p. 84-93; Cyril G. Hopkins, p. 268-273; David F. Houston, p. 386-391; James R. Howard, p. 145-154; Whitman H. Jordan, p. 294-302; Franklin Hiram King, p. 262-267; Seaman A. Knapp, p. 220-228; Sir John Bennet Lawes, p. 239-241; John Spicer Leaming, p. 57-68; Albert Russell Mann, p. 343-350; John Loudon McAdam, p. 31-34; Cyrus H. McCormick, p. 40-46; Edwin T. Meredith, p. 392-399; J. Sterling Morton, p. 372-377; Gifford Pinchot, p. 186-197; G. Harold Powell, p. 166-178; (John) Herbert Quick, p. 229-235; James Reid, p. 69-72; Will S. Robbins, p. 114-125; Isaac Phillips Roberts, p. 303-308; Amos (A.I.) Root, p. 126-136; Jeremiah McLain Rush, p. 364-371; William Sanders, p. 155-165; Charles E. Thorne, p. 274-284; Alfred Charles True, p. 315-320; Henry C. Wallace, p. 400-407; Eli Whitney, p. 35-39; James Wilson, p. 378-385; Joseph E. Wing, p. 94-104.

JEFFREY, A. A. KNIGHTING THE HEROES OF AGRICULTURE. *Missouri Hist. Rev.* 20: 247-251. January, 1926. (3259)

Explains Missouri's first formal recognition of the distinguished service rendered to the State by men of high character and achievement in agriculture in 1925 and gives brief biographies of Nicholas Hocker Gentry, Samuel Martin Jordan, and Sherman Purdy Houston.

LINDQUIST, GUSTAV A., and CLYDE B. MOORE. RURAL SOCIAL SCIENCE. Boston, Ginn & Co., 1929. 483 p. (3260)

Suggested readings at the end of each chapter.

See p. 459-466, *Rural Leadership*. Note the comparison of rural and urban leaders on p. 462-464.

MACDONALD, WILLIAM. MAKERS OF MODERN AGRICULTURE. London, Macmillan & Co., 1913. 81 p. (3261)

Sketches of Jethro Tull; Coke of Norfolk; Arthur Young; John Sinclair; and Cyrus H. McCormick.

MACMAHON, ARTHUR W. SELECTION AND TENURE OF BUREAU CHIEFS IN THE NATIONAL ADMINISTRATION OF THE UNITED STATES. *Amer. Polit. Sci. Rev.* 20: 548-582. August, 1926. (3262)

P. 554-564 deal particularly with bureau chiefs of the U. S. Dept. of Agriculture: Dr. L. O. Howard, Dr. Milton Whitney, Dr. Beverly T. Galloway, Dr. William Alton Taylor, Edward W. Nelson, Dr. J. R. Mohler, W. B. Greeley, Clyde W. Warburton.

McMAHON, JOHN ROBERT. HOW THESE FARMERS SUCCEEDED. New York, Henry Holt & Co., 1919. 261 p., illus. (3263)

This book is based on a series of "Best Farmer" articles which appeared in the *Country Gentleman*. In sixteen States the foremost exponent of crop raising, stock raising, or both, was picked out with the aid of the State agricultural college, the county agents, and other authorities. Then a writer was sent to the individual farm to get the story of the owner from his own mouth, to learn what would be regarded in other lines as business secrets along with general data, to report everything that might shed light on the individual success and therefore be helpful to others.

**McMAHON, JOHN ROBERT—Continued.**

The following are the chapter headings: Iowa, the Whiting Family and their 14,000-Acre Farm; Kansas, W. J. Burtis Has Only 100 Acres, But Each One Counts Almost Double; Illinois, Harvey J. Sconce, A Wizard Breeder of Corn, Wheat, and Oats; Missouri, H. G. Windsor, Who Uses Head Work and Field Glasses; Indiana, Warren T. McCray, Breeder of \$10,000 Hereford Cattle; Ohio, Homer C. Price, Practising What He Used to Preach; Kentucky, Morgan O. Hughes Became Converted to Scientific Farming; Virginia, Henry C. Stuart, Farmer—and Incidentally Governor; New York, Jared Van Wagenen: A Farm Kept Productive for 119 Years; New Jersey, the Minch Brothers Use 1,800 Acres in Fifteen Farms; Massachusetts, Arthur H. Sagendorph Does It All with Machinery; Maine, Leslie E. McIntire: Sweet Corn and Pure-Bred Holsteins; New Hampshire, J. W. Sanborn's Eight-Year Rotation and Intensive-Extensive Method; Vermont, Elbert S. Brigham: Tiling Makes \$40 Land Yield \$250 Per Acre; Oklahoma, Charles M. Haxton Sets the Pace for the Semi-Arid Southwest; Manitoba, James D. McGregor and His Blooded Cattle 'Cross the Border.

**MATRS, THOMAS I. SOME PENNSYLVANIAN PIONEERS IN AGRICULTURAL SCIENCE.** State College, Pa., 1928. 185 p. (Penn. State Col. Studies in Agr. no. 1.) (3264)

Gives the significant events in the lives of a few of the men who were prominent in developing the plan and shaping the policy of the agricultural growth of the School of Agriculture and the Agricultural Experiment Station of Pennsylvania State College.

The following are included: Henry Prentiss Armsby, p. 11-40; William Armstrong Buckhout, p. 41-63; George C. Butz, p. 64-76; William Frear, p. 77-98; John Hamilton, p. 99-129; Whitman Howard Gordon, p. 130-138; Hugh Nelson McAllister, p. 179-181; William Calvin Patterson, p. 129-157; Moses Thompson, p. 182-184; William Griffith Waring, p. 158-169; Frederick Watts, p. 170-178.

**OGLVIE, WILLIAM EDWARD. PIONEER AGRICULTURAL JOURNALISTS; BRIEF BIOGRAPHICAL SKETCHES OF SOME OF THE EARLY EDITORS IN THE FIELD OF AGRICULTURAL JOURNALISM.** Chicago, priv. printed, Arthur G. Leonard, 1927. 128 p., illus. (3265)

Brief biographical sketches of 15 pioneer agricultural editors with special attention to the human side and to the inspirations that stimulated these men toward their efforts of providing forums for the improvement of American farming.

The following are included: Wilmer Atkinson, p. 56-65; Judge Jesse Buel, p. 11-18; Herbert W. Collingwood, p. 121-128; Norman J. Colman, p. 39-43; William Ransdell Goodwin, p. 83-87; William Dempster Hoard, p. 45-54; Orange Judd, p. 28-37; James Melville Pierce, p. 113-119; Herbert Quick, p. 95-100; Alvin Howard Sanders, p. 75-81; James Harvey Sanders, p. 67-74; John Stuart Skinner, p. 2-9; Luther Tucker, p. 18-27; Henry Wallace, p. 102-111; Joseph E. Wing, p. 89-93.

**PASSING OF FIVE PIONEERS.** Expt. Sta. Rec. 56: 601-609. May, 1927. (3266)

Accounts of the work of Caroline L. Hunt, Dr. Thomas Forsyth Hunt of California, Dr. Charles E. Marshall of Massachusetts, Dr. Frederick B. Power, and Dr. Edwin F. Smith.

**PLUMB, CHARLES SUMNER, editor. A BIOGRAPHICAL DIRECTORY OF AMERICAN AGRICULTURAL SCIENTISTS.** Knoxville, Tenn., 1889. 100 p. (3267)

This volume tells who the 300 persons on the working staffs of the State agricultural experiment stations are and what they have done. The biographical matter is confined to what bears on science.

**RUS; A BIOGRAPHICAL REGISTER OF RURAL LEADERSHIP IN THE UNITED STATES AND CANADA,** COMPILED BY L. H. BAILEY AND ETHEL ZOE BAILEY. Ithaca, N. Y., 1925. 758 p. (3268)

This issue contains 6,005 biographical entries.

**SANDERS, ALVIN HOWARD. AT THE SIGN OF THE STOCKYARD INN; THE SAME BEING A TRUE ACCOUNT OF HOW CERTAIN GREAT ACHIEVEMENTS OF THE PAST HAVE BEEN COMMEMORATED AND CLEVERLY LINKED WITH THE PRESENT, TOGETHER WITH SUNDRY RECOLLECTIONS INSPIRED BY THE PORTRAITS AT THE SADDLE AND SIRLOIN CLUB.** Chicago, Breeder's Gaz. Print, 1915. 322 p., illus. (3269)

A book on men who did a great deal to improve farming, particularly stock breeding.

SOROKIN, PITIRIM A., and CARLE C. ZIMMERMAN, FARMER LEADERS IN THE UNITED STATES. *Social Forces* 7 (1) : 33-45. September, 1928. (3270)

This article was written in collaboration with I. O. Adams, O. W. Behrens, O. D. Duncan, Dan Dvoracek, Fred C. Frey, and Elmo H. Lott.

In this study the authors undertake to do two things: (1) To find the concrete characteristics of the men who play a leading or important part in the life and activities of American farmers; and (2) through an investigation of the traits of the farmer-leaders, to grasp some characteristics of the group of leaders and the phenomenon of leadership generally. The materials of the study are taken entirely from Rus for 1925.

— and CARLE C. ZIMMERMAN. PRINCIPLES OF RURAL-URBAN SOCIOLOGY. New York, Henry Holt & Co., 1929. 652 p. (3271)

See pt. 3, Rural-urban Intelligence, Experience and Psychological Processes, p. 231-301, particularly p. 244-262. This section includes references to studies based upon origins of distinguished persons.

THE TEN MASTER MINDS OF DAIRYING. Published by Successful Farming . . . with which is combined the Dairy Farmer. Des Moines, Iowa, Meredith Publishing Co., 1930. 78 p., illus. (3272)

Sketches of ten contributors to the development of dairying selected by 56 present-day leaders in the industry.

The following are the chapter titles: 1, Stephen Moulton Babcock, by Andrew W. Hopkins and Agatha Raisbeck (Also in Dairy Farmer 27 (2) : 7, 54, 60-61. February, 1929); 2, William Dempster Hoard, by Howard E. Jamison (Also in Dairy Farmer 27 (3) : 7, 32, 36-37. March, 1929); 3, Clarence Henry Eckles, by E. M. Harmon (Also in Dairy Farmer 27 (4) : 7, 16, 32, 33. April, 1929); 4 Carl Gustaf Patrik DeLaval, by J. C. McDowell (Also in Dairy Farmer 27 (5) : 7, 17, 24-25. May, 1929); 5, Elmer Verner McCollum, by M. D. Munn (Also in Dairy Farmer 27 (6) : 7, 16, 18-19. June, 1929); 6, Louis Pasteur, by H. L. Russell (Also in Dairy Farmer 27 (7) : 7, 14, 18-19. July, 1929); 7, Theophilus Levi Haecker, by W. A. Gordon (Also in Dairy Farmer 27 (8) : 7, 28. August, 1929); 8, Gail Borden, by O. E. Reed (Also in Dairy Farmer 27 (9) : 7. September, 1929); 9, William Arnon Henry, by F. B. Morrison (Also in Successful Farming 28 (10) : 5, 66, 68, 69. October, 1929); 10, Otto Frederick Hunziker, by J. B. Fitch (Also in Successful Farming 28 (11) : 15, 67-69. November, 1929).

VISHER, STEPHEN S. A STUDY OF THE TYPE OF THE PLACE OF BIRTH AND OF THE OCCUPATION OF FATHERS OF SUBJECTS OF SKETCHES IN WHO'S WHO IN AMERICA. *Amer. Jour. Sociol.* 30 : 551-557. March, 1925. (3273)

WENTWORTH, EDWARD NORRIS. A BIOGRAPHICAL CATALOG OF THE PORTRAIT GALLERY OF THE SADDLE AND SIRLOIN CLUB. Chicago, Ill., Union Stock Yards, 1920. 343 p., illus. (3274)

This book contains 147 brief biographies.

#### INDIVIDUAL

ACCUM. BROWN, CHARLES ALBERT. THE LIFE AND CHEMICAL SERVICES OF FREDERICK ACCUM, 58 p., illus. Reprinted from the *Jour. Chem. Ed.* of the American Chemical Society, 1925. (3275)

ADAMS. HON. H. C. ADAMS, DECEASED. *Expt. Sta. Rec.* 17 : 1029-1030. July, 1906. (3276)

His securing the passage of an act for the further endowment of agricultural experiment stations is the conspicuous feature of his career.

ALLARD. DE KRUIF, PAUL. ALLARD, THE HUNGER FIGHTER; HE DISCOVERED HOW MOSAIC DISEASE IS CARRIED. *Country Gent.* 91 (7) : 13, 48-50. July, 1926. (3277)

ALLEN. EDWIN WEST ALLEN, 1864-1929. *Expt. Sta. Rec.* 61 : 701-707. December, 1929. (3278)

ALVORD. MAJOR HENRY ELIJAH ALVORD, DECEASED. *Expt. Sta. Rec.* 16 : 117-119. October, 1904. (3279)

— HENRY ELIJAH ALVORD. *U. S. Dept. Agr. Bur. Anim. Indus. Ann. Rpt.* 21 (1904) : 41-43. Washington, 1905. (3280)

APPLEBY. GREENING, KATHERINE. THE EARLY LIFE OF JOHN F. APPLEBY, INVENTOR OF THE HARVESTER KNOT. *Wis. Mag. Hist.* 10 : 310-314. March, 1927. (3281)

ARMSBY. THE PASSING OF DR. HENRY PRENTISS ARMSBY. *Expt. Sta. Rec.* 45 : 601-609. November, 1921. (3282)

- ATKINSON. WILMER ATKINSON, AN AUTOBIOGRAPHY, FOUNDER OF THE FARM JOURNAL. Philadelphia, Wilmer Atkinson Co., 1920. 375 p. (3283)
- ATWATER. PROFESSOR WILBUR OLIN ATWATER. Expt. Sta. Rec. 19: 101-106. October, 1907. (3284)
- For many years a leader in the experiment station movement in the United States.
- BARTRAM. MIDDLETON, WILLIAM SHAINLINE. JOHN BARTRAM, BOTANIST. Sci. Mo. 21 (2) : 191-216, illus. August, 1925.
- BEAL. BAKER, RAY STANNARD. AN AMERICAN PIONEER IN SCIENCE; THE LIFE AND SERVICE OF WILLIAM JAMES BEAL. Amherst, Mass., Priv. printed, 1925. 94 p. (3286)
- DR. WILLIAM J. BEAL AND DR. WILLIAM C. STUBBS, DECEASED. Expt. Sta. Rec. 51: 101-107. August, 1924. (3287)
- BINNS. TRUE, RODNEY H. JOHN BINNS OF LOUDON. Wm. and Mary Quart. (2) 2: 20-39. January, 1922. (3288)
- A sketch of John Alexander Binns, an agriculturist in Loudon County in the early 19th century and the pioneer experimenter in the use of gypsum for agricultural purposes.
- BORDLEY. BORDLEY, JOHN BEALE. ESSAYS AND NOTES ON HUSBANDRY AND RURAL AFFAIRS. Philadelphia, 1799. 536 p. (3289)
- BORDLEY, JOHN BEALE. SKETCHES ON ROTATIONS OF CROPS, AND OTHER RURAL MATTERS. TO WHICH IS ANNEXED INTIMATIONS ON MANUFACTURES; ON THE FRUITS OF AGRICULTURE; AND ON NEW SOURCES OF TRADE, INTERFERING WITH PRODUCTS OF THE UNITED STATES. IN FOREIGN MARKETS. Philadelphia, Printed by C. Cist, 1797. 76 p. (3290)
- BREWER. WILLIAM HENRY BREWER, DECEASED. Expt. Sta. Rec. 23: 607-608. December, 1910. (3291)
- BRIGHAM. HON. JOSEPH H. BRIGHAM, ASSISTANT SECRETARY OF AGRICULTURE. Expt. Sta. Rec. 16: 1-3. September, 1904. (3292)
- BROUN. WILLIAM LE ROY BROUN, DECEASED. Exp. Sta. Rec. 13: 591-502. 1901-1902. (3293)
- President of the Alabama Polytechnic Institute.
- BURBANK. WICKSON, EDWARD J. LUTHER BURBANK; MAN, METHODS, AND ACHIEVEMENTS. San Francisco, So. Pacific Co., [1902.] 48 p. (3294)
- Reprinted from Sunset Magazine, v. 8-9, 1901-1902.
- WILLIAMS, HENRY SMITH. LUTHER BURBANK, HIS LIFE AND WORK. New York, Hearst's Internatl. Library Co., 1915. 333 p. (3295)
- CALDWELL. DR. GEORGE CHAPMAN CALDWELL. Expt. Sta. Rec. 19: 4-5. September, 1907. (3296)
- Identified with the progress of agricultural chemistry.
- CAPRON. MEMOIRS OF HORACE CAPRON... AUTOBIOGRAPHY. [n. p., n. d.] 2 v. (3297)
- Typewritten copy of the original is in the possession of the United States Department of Agriculture Library.
- CAPRON. STARR, MERRETT. GENERAL HORACE CAPRON, 1804-1885. Ill. State Hist. Soc. Jour. 18: 259-349. July, 1925. (3298)
- A biographical account of General Horace Capron (1804-1885), Commissioner of Agriculture of the United States 1867-1871, adviser and commissioner of agriculture under the Japanese Government, 1871-1875. The article deals chiefly with General Capron's Japanese mission.
- CARPENTER. MAY, DAVID W. DAN CARPENTER, PIONEER MERCHANT AND HORTICULTURIST. Missouri H'st. Rev. 22: 285-295. April, 1927. (3299)
- An account of a man who led his community in practical and cultural matters.
- CHAPMAN. CASTRO, IANTHA. A FOLK TALE OF JOHNNY APPLESEED. Missouri Hist. Rev. 19: 622-629. July, 1925. (3300)
- CHAPIN, HENRY. THE ADVENTURES OF JOHNNY APPLESEED. New York, Coward-McCann, 1930. 251 p. (3301)
- DUFF, WILLIAM A. JOHNNY APPLESEED, AN OHIO HERO; PATRON SAINT OF AMERICAN ORCHARDS. Ashland, Ohio, 1914. 10 p. (3302)
- Bibliography, p. 2.
- HILLIS, NEWELL DWIGHT. THE QUEST OF JOHN CHAPMAN; THE STORY OF A FORGOTTEN HERO. New York, Macmillan Co., 1906. 349 p. (3303)
- HIMROD, JAMES LATTIMORE. JOHNNY APPLESEED, THE TRUE STORY OF JONATHAN CHAPMAN, 1775-1846. Chicago, Chicago Historical Society, 1926. 28 p. (3304)
- Bibliography, p. 23.

- CHAPMAN. "JOHNNY APPLESEED"—JOHN CHAPMAN. HIS MEMORY HONORED WITH A MONUMENT AT MANSFIELD, OHIO. *Ohio Archaeol. and Hist. Quart.* 9: 303-317. January, 1901. (3305)
- MCLACHLAN, J. B. "JOHNNIE APPLESEED." *New-Church Rev.* 32: 302-307. July, 1925. (3306)
- CLAY. SANDERS, ALVIN H. FARMS OF THE FAMOUS. IV—HENRY CLAY. *New Breeder's Gaz.* 92 (30): 10, 59. December, 1927. (3307)
- COLMAN. NORMAN J. COLMAN, FIRST SECRETARY OF AGRICULTURE. *Expt. Sta. Rec.* 25: 701-705. December, 1911. (3308)
- COLMAN. SANDERS, ALVIN H. FARMS OF THE FAMOUS. XII—NORMAN JAY COLMAN. *New Breeder's Gaz.* 93 (8): 22-25. August, 1928. (3309)
- SUMMERS, FLOYD G. NORMAN J. COLEMAN, FIRST SECRETARY OF AGRICULTURE. *Missouri Hist. Rev.* 19: 404-408. April, 1925. (3310)
- COOPER. STOCKBRIDGE, FRANK PARKER. THE NORTH DAKOTA MAN CROP; THE WORK OF TOM COOPER, WHO IS ENLISTED FOR THE WAR FOR BETTER LIVING. *World's Work* 25: 84-93. November, 1912. (3311)
- DODGE. JACOB RICHARDS DODGE, AGRICULTURAL STATISTICIAN. *Expt. Sta. Rec.* 14: 104-105. 1902-1903. (3312)
- DONNELLY. HICKS, JOHN D. THE POLITICAL CAREER OF IGNATIUS DONNELLY. *Miss. Valley Hist. Rev.* 8: 80-132. June, 1921. (3313)
- Concerned with his participation in Minnesota and national politics from 1863 to 1900 as an agrarian leader.
- DUKE. JENKINS, JOHN WILBER. JAMES B. DUKE, MASTER BUILDER. *New York, George H. Doran Co.*, 1927. 302 p. (3314)
- See especially ch. 4. *The Rise of "Golden Belt" Tobacco*, p. 55-64; ch. 5. *Making Cigarettes by the Million*, p. 65-72; and ch. 7, *Founding the American Tobacco Company*, p. 85-98.
- DUNLAP. RENICK W. DUNLAP IS ASSISTANT SECRETARY. *Off. Rec.* 4 (12): 1, 5. March 25, 1925. (3315)
- ELIOT. TRUE, RODNEY H. JARED ELIOT, MINISTER, PHYSICIAN, AND FARMER. *Agri. Hist.* 2: 185-212. October, 1928. (3316)
- FILLEY. FILLEY, H. CLYDE. ELIJAH FILLEY, LEADER IN IMPROVED FARMING. *Nebr. Hist. and Rec. Pioneer Days* 7: 48-55. April, 1924. (3317)
- FLINT. DR. EDWARD E. FLINT, DECEASED. *Expt. Sta. Rec.* 54: 406. April, 1926. (3318)
- FRANKLIN. CAREY, LEWIS J. FRANKLIN'S ECONOMIC IDEAS. *Garden City, N. Y., Doubleday, Doran & Co.*, 1928. 243 p. (Franklin Monographs.) (3319)
- Bibliography at end of each chapter.
- See ch. 8, *Franklin's Services and Interest in the Promotion of Agriculture, Silk Culture, and Botany*, p. 168-198.
- ROSS, EARLE D. BENJAMIN FRANKLIN AS AN EIGHTEENTH CENTURY AGRICULTURAL LEADER. *Jour. Polit. Econ.* 37: 52-72. February, 1929. (3320)
- FUNK. GUSLER, GILBERT. BREEDING CORN FOR THE CORNBELT. AN ACCOUNT OF THE 'GENE FUNK REVOLUTION, STARTED IN THE OLD FUNK PASTURES TO GIVE US A HIGHER YIELDING CORN THAT WILL RESIST FROST (AND CORN BORER). *New Breeder's Gaz.* 93 (11): 8, 18, 50. November, 1928. (3321)
- GARDINER. STEVENS, NEIL E. AMERICA'S FIRST AGRICULTURAL SCHOOL. *Sci. Mo.* 13: 531-540. December, 1921. (3322)
- An account of the Gardiner Lyceum, establish at Gardiner, Me., in 1823, by Robert Hallowell Gardiner.
- GILBERT. SIR JOSEPH HENRY GILBERT, DECEASED. *Expt. Sta. Rec.* 13: 401-402. 1901-1902. (3323)
- GLINKA. DRS. WHITNEY AND GLINKA, PIONEERS IN SOIL SCIENCE. *Expt. Sta. Rec.* 58: 405-408. April, 1928. (3324)
- GOESSMANN. DR. CHARLES ANTHONY GOESSMANN, DECEASED. *Expt. Sta. Rec.* 23: 401-402. October, 1910. (3325)
- THE RETIREMENT OF DR. C. A. GOESSMANN. *Expt. Sta. Rec.* 18: 1101-1104. August, 1907. (3326)
- For nearly forty years an active member of the faculty of the Massachusetts Agricultural College.
- GOODELL. PRESIDENT H. H. GOODELL, DECEASED. *Expt. Sta. Rec.* 16: 941-943. June, 1905. (3327)
- Identified with the Massachusetts Agricultural College from its beginning.

- GORE. H. M. GORE APPOINTED ASSISTANT SECRETARY. *Off. Rec.* 2 (39) : 1, 3. September 26, 1923. (3328)
- GREELEY. BRADFORD, GAMALIEL. HORACE GREELEY. *Amer. Mercury* 1: 385-393. April, 1924. (3329)
- GREELEY RESIGNING AS FOREST SERVICE CHIEF. *Off. Rec.* 7 (9) : 1, 5. February 29, 1928. (3330)
- GROW. DU BOIS, JAMES T., AND GERTRUDE SINGLETON MATHEWS. GALUSHA A. GROW, THE FATHER OF THE HOMESTEAD LAW. Boston and New York, Houghton Mifflin Co., 1917. 305 p. (3331)
- HARRIS. ROGERS, JANE HARRIS. THE MODEL FARM OF MISSOURI AND ITS OWNER. *Missouri Hist. Rev.* 18: 146-157. January, 1924. (3332)
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FEDERAL, REGIONAL, AND STATE PROJECTS DESIGNED TO AID AGRICULTURE

COLORADO RIVER PROJECT—BOULDER DAM

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- NEWELL, F. H. SHALL WE DAM THE COLORADO? Rev. of Reviews 76: 629-634. December, 1927. (3513)
- PINCHOT, GIFFORD. WHO OWNS OUR RIVERS? Nation 126: 64-66. January 18, 1928. (3514)
- SYKES, GODFREY. THE DELTA AND ESTUARY OF THE COLORADO RIVER. Geogr. Rev. 16: 232-255. April, 1926. (3515)
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#### COLUMBIA BASIN RECLAMATION PROJECT

- COLUMBIA BASIN IRRIGATION; HEARINGS BEFORE THE COMMITTEE ON IRRIGATION AND RECLAMATION U. S. SENATE. 67th Cong., 2d sess., on S. 3745, a bill for the creation of the Columbia basin irrigation commission, and authorizing an appropriation therefor. Washington, Govt. Print. Off., 1922. 19 p. (3517)
- The Columbia Basin project comprises a triangularly shaped tract of land in the southeastern part of the State of Washington lying between the Snake and the Columbia Rivers, with its most southerly point at Pasco, Wash., where the two rivers meet. The estimates of its irrigable area, located in three counties—Franklin, Grant, and Adams—vary from 1,086,819 to 1,883,000 acres.
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- COLUMBIA BASIN IRRIGATION PROJECT. A REPORT BY COLUMBIA BASIN SURVEY COMMISSION. State of Washington. Olympia, Frank M. Lamborn, public printer, 1920. 185 p., maps, diagrs. (3519)
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#### FLOOD CONTROL

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- See pt. 1, Mississippi Flood Control, p. 1-59. Pt. 1 includes the following articles: Basic Factors in Flood Frequency in the Lower Mississippi River, by Lewis F. Thomas; The Geography of the Mississippi Valley, by Frank E. Williams; The Improvement of Our Mid-West Water-ways, by Herbert Hoover; The Report of the Commission on Mississippi Flood Control Appointed by the United States Chamber of Commerce, Frederic A. Delano, chairman; The Plan For Flood Control of the Mississippi River and Its Alluvial Valley,



## AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE—Continued.

- by Major-General Edgar Jadwin; What Forests Can Do for the Mississippi River, by E. A. Sherman; A Policy for the Mississippi, by Arthur E. Morgan; Some Essential Principles of Conservation as Applied to Mississippi Flood Control, by Gifford Pinchot.
- CONGRESSIONAL DIGEST 7 (2): February, 1928. (3526)
- This entire number is devoted to Congress and the Mississippi flood problem. Of special interest is A Brief Chronology of What Congress has Done since 1824 to Control the Floods of the Mississippi; With Reference to Manner of Financing Previous Flood Control Projects, p. 44-45. Also A Summary of the Army Engineers' Plan For Flood Control of the Mississippi, p. 48-49, and A Summary of the Mississippi River Commission's Recommendations for the Control of Floods, p. 49, 70.
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- GOLDTHWAIT, J. A. THE GATHERING OF FLOODS IN THE CONNECTICUT RIVER SYSTEM. *Geogr. Rev.* 18: 428-445. July, 1928. (3528)
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- A popularly written article which includes many illustrations.
- SMITH, JOSEPH RUSSELL. PLAN OR PERISH? *Survey* 58: 370-377. July 1, 1927. (3536)
- An article on curbing the Mississippi floods which includes maps and illustrations.
- This number also contains articles on the same subject by Will Irwin, Arthur Kellogg, and John M. Parker. An article in this number by Gifford Pinchot is cited above.
- WEALTH FROM MISSISSIPPI MUD; A PLAN OF FLOOD CONTROL TO MAKE THE DELTA AS RICH AS THE VALLEY OF THE NILE. *Survey* 59: 127-131. November 1, 1927. (3537)

## GREAT LAKES-TO-THE-SEA WATERWAY PROJECTS

- AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE, PHILADELPHIA. GREAT INLAND WATER-WAY PROJECTS. Philadelphia, 1928. 250 p. (Its *Annals* 135 (224): January, 1928.) (3538)
- See pt. 2, *The St. Lawrence Waterways From the Lakes to the Sea*, p. 60-96. Pt. 2 includes the following articles: *The St. Lawrence Waterway Project*, by Fayette S. Warner; A Synopsis of the Hoover Report on the St. Lawrence Shipway, by Fayette S. Warner; *Engineering Aspects of the St. Lawrence Waterway*, by G. B. Pillsbury; *What the St. Lawrence Waterway Means to the United States*, by W. L. Harding; *The Economic and National Significance of Connecting the Great Lakes with the Sea by the St. Lawrence Route*, by I. L. Lenroot.
- BAYLEY, W. S. THE GEOGRAPHIC EFFECTS OF THE PROPOSED GREAT LAKES-ST. LAWRENCE WATERWAY. *Econ. Geogr.* 1: 236-246. July, 1925. (3539)
- Fourteen illustrations and maps.
- BEST, KATHLEEN E. THE ECONOMIC ASPECTS OF THE ST. LAWRENCE WATERWAY. *Essays on Canadian Economic Problems (1928-1929)* 2: 7-17 (3540)
- A brief description of the problems involved in the completion of the St. Lawrence waterway project with reference to finance, transportation, competition with other routes and prospective industrial development.

- BROWN, GEORGE W. THE ST. LAWRENCE WATERWAY IN THE NINETEENTH CENTURY. Queen's Quart. 35: 628-642. Autumn, 1928. (3541)  
 An account of the development of the St. Lawrence waterway from the settlement of the West at the beginning of the nineteenth century to the present time, showing how this development was affected by competing routes, the international boundary, the British Navigation Acts, and the rise of hydro-electric power.
- COMMERCE ON THE GREAT LAKES AND CONNECTING WATERWAYS. Geogr. Rev. 18: 500-502. July, 1928. (3542)
- CONGRESSIONAL DIGEST. 1 (12): September, 1922. (3543)  
 The entire number consists of articles on the St. Lawrence waterway.  
 ——— 6 (1): January, 1927. (3544)  
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- DAGGETT, STUART. PRINCIPLES OF INLAND TRANSPORTATION. New York and London, Harper & Bros., 1928. 705 p. (3545)  
 References at end of each chapter except ch. 16.  
 See especially ch. 1, General Survey of Transportation Facilities, p. 1-10; ch. 2, Inland Waterways, p. 11-39. p. 29-38 deal with the Great Lakes and St. Lawrence route.
- FULLER, ORVILLE M. and ALVA H. BENTON. GREAT LAKES-ST. LAWRENCE DEEP WATERWAY; ITS VALUE TO NORTH DAKOTA. Fargo, 1927. 36 p. (N. Dak. Agr. Expt. Sta. Bul. 204). (3546)
- GREAT LAKES-ST. LAWRENCE TIDEWATER ASSOCIATION. BULLETIN. [Duluth] 1919. (3547)  
 Files of this bulletin, the chief organ of the Great Lakes-St. Lawrence Tidewater Association, contain many informing articles, illustrations, and maps favorable to the development of the Tidewater Project.  
 ——— TRANSPORTATION; A CONTINENTAL SYSTEM. REVIEW OF THE EVIDENCE BEFORE THE INTERNATIONAL JOINT COMMISSION RELATING TO BENEFICIAL IMPROVEMENT OF THE ST. LAWRENCE TO ADMIT OCEAN-GOING SHIPPING TO THE GREAT LAKES. Submitted for the Great Lakes-St. Lawrence tide-water association. Prepared by Charles P. Craig . . . and John S. Pardee . . . [n.p.], Great Lakes-St. Lawrence Tide-water Assoc., 1921. 93 p., maps. (3548)
- GREGG, EUGENE STUART, and A. LANE CRICHER. GREAT LAKES-TO-OCEAN WATERWAYS: SOME ECONOMIC ASPECTS OF THE GREAT LAKES-ST. LAWRENCE, LAKES-TO-HUDSON, AND ALL-AMERICAN WATERWAY PROJECTS. Washington, 1927. 134 p., map, tables, diagrs. (U. S. Dept. Com., Bur. Foreign and Dom. Com. Dom. Com. Ser. 4). (3549)
- HENRY, PHILIP W. THE GREAT LAKES-ST. LAWRENCE WATERWAY. Geogr. Rev. 17: 258-277. April, 1927. (3550)
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- LAWRENCE, HENRY. WATERWAYS PROBLEMS ON THE CANADIAN BOUNDARY. Foreign Affairs 4: 556-573. July, 1926. (3553)
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- MACELWEE, RAY SAMUEL, and ALFRED H. RITTER. ECONOMIC ASPECTS OF THE GREAT LAKES-ST. LAWRENCE SHIP CHANNEL. New York, Ronald Press Co., 1921. 291 p., maps, diagrs. (3555)
- MASON, GREGORY. MOVING THE CORN BELT TO THE SEA. World's Work 55: 308-317. January, 1928. (3556)  
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- MOULTON, HAROLD G., CHARLES S. MORGAN, and ADAH L. LEE. THE ST. LAWRENCE NAVIGATION AND POWER PROJECT. Washington, D. C., Brookings Institution, 1929. 675 p., maps. (Institute of Economics of the Brookings Institution). (3557)  
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ASHTON, B. L. THE GEONOMIC ASPECT OF THE ILLINOIS WATERWAY. Urbana, Univ. of Ill., 1927. 177 p. (Ill. Univ., *Studies Social Sci.* v. 14, no. 2.) (3563)

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