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The Papers of C.F. Stewart Sharpe: A Register

Bibliographies
And Literature
Of Agriculture
Number 114

September 1992

Sharpe 1935

Sharpe 1989

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National Agricultural Library

Bibliographies And Literature Of Agriculture Number 114

September 1992

The Papers of C.F. Stewart Sharpe A Register:

Compiled by
Anne B. W. Effland
Agricultural and Rural History Section
Economic Research Service
U.S. Department of Agriculture

National Agricultural Library
Beltsville, Maryland
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Cover photographs from NAL Special Collections.

The Papers of C. F. Stewart Sharpe: A Register

Arranged and described by Anne B. W. Effland, Agricultural and Rural History Section, Economic Research Service, USDA.

Completed August 16, 1991.

Occupies 12 archival manuscript boxes, approx. 5 linear ft.

Collection was donated to the National Agricultural Library by Dr. C. F. Stewart Sharpe of Falls Church, Virginia, July 1, 1991.

The Papers of C. F. Stewart Sharpe: A Register

Foreword

When Isaac Newton, the first Commissioner of Agriculture, outlined the program for a new department in 1862, he placed near the top of his list the establishment of an agricultural library. It was his belief that "the most valuable work would gradually accumulate by exchange, gift, and purchase, forming a rich mine of knowledge." Since that time, the National Agricultural Library (NAL) has assembled a collection of over 2 million volumes, inclusive of historic and/or rare imprints.

The National Agricultural Library's Special Collections area comprises original manuscripts, archival materials, rare books, early periodicals, pamphlets, photographs, posters, maps, works of art, audio-visual materials, and a variety of ephemeral materials which, because of physical characteristics, age, value, content, or appearance, have been judged rare or require special custodial or environmental care. The Library's Special Collections Program staff welcomes the opportunity to receive, preserve, and make available manuscript material of historical value including diaries, account books, letters, notebooks, memoirs, and reminiscences pertaining to agriculture and its many related fields. Early scientific materials created prior to 1870 will be especially welcome, as well as later, unique material of a definite historical and scientific significance.

International in scope, the subject range of the Special Collections, although quite diverse, has strong concentrations of rare books in botany, natural history, zoology, and entomology, as well as extensive imprint literature documenting agricultural observations, experimentations, and practices in England, continental Western Europe, and the Americas. In addition to important travel accounts by early naturalists, there is an extensive collection of pre-Linneana imprints relating to the descriptions of plants, as well as works by or about the eminent Carl Linnaeus (1707-78).

Particularly noteworthy donated manuscript collections include the following: the personal papers of Julian N. Friant (1888-1939), a special assistant to Secretary of Agriculture Henry Wallace; the personal papers of Charles E. North (1869-1961), physician, public health officer, and agricultural scientist; the organizational records of the Prince family nursery (1779-1914); the American Association of Agricultural College Editors (1913-present); and the Truman Fossum Floriculture Collection. From the time of the first librarian on the department roster (Aaron Burt Gosh, 1867-69) to the present, individual Americans and private organizations have donated to the National Agricultural Library outstanding works and collections to be preserved and made available to scholars and researchers.

In an effort to provide awareness and access, the Library has published the following historical finding aids: Historic Books..., List No. 86; Linneana, List No. 89; Historic Books Concerning Horticulture and Forestry, List No. 90; Heritage of American Agriculture: A Bibliography of Pre-1860 Imprints, List No. 98; Heritage of Apicultural Literature... Pre-1870, Associates NAL Today, N.S. 1, No. 101; Guide to Manuscripts at NAL, Misc. No. 1374; The Prince Family Manuscript Collection, Library List No. 101; The Papers of Layne R. Beaty, BLA No. 33; The Papers of Charles Valentine Riley, BLA No. 92.

The register of the C. F. Stewart Sharpe Papers, prepared by Anne B. W. Effland, Historian, Economic Research Service, USDA, is a welcome contribution in the Library's efforts to provide accurate and convenient access to holdings.

Alan Fusonie
Head, Special Collections
National Agricultural Library

C. F. Stewart Sharpe

Biographical Note

C(harles) F(arquharson) Stewart Sharpe, always known to his family, friends, and coworkers as Stewart Sharpe and professionally as C. F. Stewart Sharpe, was born in Winnipeg, Manitoba, Canada, on October 21, 1907. He received an A.B. in English and Economics, and M.A. and Ph.D. degrees in Geology from Columbia University in 1928, 1931, and 1938, respectively. Following completion of his doctoral program, Sharpe worked as an assistant soil conservationist in the Climatic and Physiographic Division of the Soil Conservation Service, USDA, from 1935 to 1938. He became an associate soil conservationist in 1938 and acting head of the Physiographic Section in 1941. Following the outbreak of World War II, when work in the Climatic and Physiographic Division ceased, Sharpe entered the Research and Analysis Branch of the Office of Strategic Service as a geographer. He remained in that position from 1943 to 1945. During that time he served as acting head of the Terrain-Hydrology Section of the Europe-Africa Division (1943-44) and editor for the Joint Intelligence Study Publishing Board (1944-45). In 1945, this work was transferred to the Office of the Special Assistant, Research and Intelligence, U.S. Department of State, where Sharpe continued to serve as a geographer. He held that position until 1948, when he became a technical editor with the Central Intelligence Agency. While with the Department of State, Sharpe served as deputy editor in chief (1945-47) and editor in chief (1947-49) for the Joint Intelligence Study Publishing Board.

Sharpe retired from government service in 1969. He is a fellow of the Geological Society of America and a member of the Association of American Geographers, the Association of Engineering Geologists, and the American Geophysical Union. His special fields of work have included mass movement of soil and rock, soil erosion, and accelerated erosion. Sharpe married Lois Kremer, who also holds a Ph.D. in geology, in 1936. They have two sons.

An oral history interview with Dr. Sharpe is available at the Agricultural and Rural History Section, Economic Research Service, USDA.

The Papers of C. F. Stewart Sharpe: A Register

Historical Note

The records in this collection document work carried out by the Climatic and Physiographic Division of the Soil Conservation Service, USDA. Beginning in 1935, that division pursued research in climatology, geomorphology, and erosion history to support the larger mission of the Soil Conservation Service to understand and reduce soil erosion in the United States. Dr. C. F. Stewart Sharpe worked on the geomorphology, or physiographic, studies of the division. The purpose of the physiographic work was to determine the processes causing natural and accelerated erosion. Division research scientists studied a number of sites around the nation, each site representing a different climatic and physiographic region. Reports compiled by these research scientists provided conservationists with fundamental information on the processes of erosion in different regions and recommendations for technical approaches to reduce the effects of that erosion. Although terminated in 1943 by wartime budget and personnel shortages, the division completed studies at three locations: Polacca Wash Navajo-Hopi Indian reservation, an arid site in northeastern Arizona marked by channel erosion; Spartanburg, South Carolina, a site in the humid Piedmont Southeast marked by deep gully erosion; and a series of sites in the karst limestone region of Kentucky marked by sink-hole erosion. Projects to study slope movement in the Appalachian Plateau region in southeastern Ohio and erosion of windblown silt (loess) soils in northwestern Mississippi never produced final reports, but are documented in the papers of this collection.

Further details on the work of the Climatic and Physiographic Division will be found in reports included in the collection.

(Based on information in the article "Soil Geomorphology Studies in the U.S. Soil Survey Program," by Anne B. W. Effland and William R. Effland, *Agricultural History*, forthcoming 1992.)

The Papers of C. F. Stewart Sharpe: A Register

Scope and Content Note

The C. F. Stewart Sharpe Papers contain records accumulated by Sharpe from 1935 to 1943, when he worked as a soil conservationist in the Climatic and Physiographic Division of the Soil Conservation Service, USDA. The papers fill 12 archival manuscript boxes and consist of copies of articles, translations, and publications relating to geomorphology and erosion; correspondence and other records produced in the course of work for the Climatic and Physiographic Division; research notes and draft reports of physiographic studies in which Sharpe was involved; copies of published reports authored by Sharpe; and photographs and lantern slides documenting soil erosion studies.

Abbreviations

Materials appear in manuscript boxes in several formats, designated in the inventory by the following abbreviations:

FF	(file folder)
Item	(loose materials)
Env	(envelope)
Box	(small box within the manuscript box).

Series Descriptions

The collection is divided into nine series, most of which were created by Sharpe when he organized his files for donation to the National Agricultural Library.

Series I (Box 1)

Series I (Box 1) consists of typed copies of articles of interest to Sharpe. The articles include notices on mass movement phenomena in the United States, Uganda, Italy, Jamaica; articles on frost heaving, landslides, climate of the post-glacial United States based on pollen analysis, land "sculpture," potholes, loess formation, clay slips, surface configuration of South America, rock formations of the Appalachians, and Alaskan tundra; historical mentions of mass movement in the United States; and abstracts of articles from the Bulletin of the South Carolina Academy of Science relating to Soil Conservation Service gully erosion studies in South Carolina. Some of the articles are translations.

Series II (Boxes 1-2)

Series II (Boxes 1-2) contains translations of foreign works related to geomorphology. Translators were available to the Climatic and Physiographic Division through New Deal work programs. Titles and authors are indicated in file folder titles.

Series III (Box 2)

Series III (Box 2) includes loose publications, generally reprints of articles and papers collected by Sharpe, 1925-49. Most relate to geologic and climatic research.

Series IV (Boxes 2-4)

Series IV (Boxes 2-4) consists of correspondence to and from Sharpe (and in some cases other Climatic and Physiographic Division staff) regarding administrative activities, research work, preparation of reports, and presentation of results as academic papers.

Series V (Boxes 5-8)

Series V (Boxes 5-8) contains plans, data, background material, maps, illustrations, related articles, and drafts of reports for the four projects of the Climatic and Physiographic Division on which Sharpe served as a staff scientist. They include the Mississippi Loess study, the South Carolina Piedmont study, the Polacca Wash study, and the Ohio/Appalachian areas study (Muskingum watershed).

Series VI (Box 8)

Series VI (Box 8) includes notes, drafts, and reviews of smaller publications/research projects in which Sharpe was involved while with the Soil Conservation Service.

Series VII (Box 9)

Series VII (Box 9) contains office files, conference plans and notes, and files collected by Sharpe in preparing for an oral history interview with Anne B. W. Effland, Agricultural and Rural History Section, Economic Research Service, USDA, June 1991.

Series VIII (Box 10-11)

Series VIII (Box 10-11) consists of files on such media techniques as microfilm, bibliofilm, and a carbon transfer map delineation process, as well as records of photographic work, aerial photos, and lantern slides related to the research of the Climatic and Physiographic Division.

Series IX (Box 12)

Series IX (Box 12) includes two files of research notecards related to the work of the Climatic and Physiographic Division.

The Papers of C. F. Stewart Sharpe: A Register

Inventory

BOX 1

Series I: Typed articles from literature; References

FF 1	Duplicates of Typed Articles
FF 2	Mass-Movement Clippings: General
FF 3	Duplicates of Typed Articles
FF 4	Pollen analysis; S.C. Acad. Sci.; Potholes; References

Series II: Foreign References & Translations

FF 1	Translation of "Die Morphologische Analyse" by Walther Penck, Chps 1-6, trans. Noah Jacobs
FF 2	Translation of "Ravinbildningen I Gustavs" by Carl C. von Caldenius, trans. Clara Rom Lougee
FF 3	Miss Vincent's Translation for C. F. S. Sharpe [H. Schmitthenner, "The Origin of dales and their morphological significance"]
FF 4	Translation: J. Budel, "Glacial Weather."
FF 5	Translation: H. Schmitthenner, "Dellen."
FF 6	Translations [Notes from "Frozen Ground" or "Tjale" by Bertel Hogbom; "Woods and Pastures" by Egidio Ferrari]
FF 7	"Die Morphologische Analyse" (Leighly's 2d Revision)

BOX 2

FF 1 Pollack Lsds. ["Uber Bisherige Klassifikation der Boden - Oder Massenbevegungen und deren Ververtung," by Von Vincenz Pollack]

Series III: Outside Publications

Item 1 "A Geographic Approach to Soil Erosion in New Zealand," by Kenneth B. Cumberland, 1943

Item 2 Univ. of Washington Engineering Experiment Station *Reprint No. 15*, "Concept of the Graded River," by J. Hoover Mackin, 1948

Item 3 "The Outlook for Women in Science," *Bulletin No. 223-1*, U.S. Dept. of Labor, Women's Bureau, 1949

Item 4 State Geological Society of Illinois, *Circular No. 140*, "Why Study Geology - Covering Old and New Ground," by M. M. Leighton, 1948

Item 5 *Proceedings* of 646th-657th meetings of the Geological Society, Jan-Dec 1947

Item 6 Illinois Geological Survey, *Report of Investigations No. 129*, "Physiographic Divisions of Illinois," by M. M. Leighton, G. E. Ekblaw, and L. Horberg, 1948

Item 7 "Erosion in the Valleys of the Southwest," by Kirk Bryan, 1940

Item 8 *Bulletin of the Geological Society of America*, "Glacial Stream Diversion near Hornell, New York," by Albert E. Wood, 1948

Item 9 "Groundwater in Southwestern Kansas," by John C. Frye and V. C. Fishel, 1949

Item 10 "Rainfall Characteristics of Missouri in Relation to Runoff and Erosion," by L. D. Baver, 1937

Item 11 "The Significance of Climatic Studies in Agricultural Research," by C. W. Thornthwaite, 1936

Item 12 "Land Use Adjustment in the Spring Creek Area, Campbell Co., Wyo.," by R. L. Sprulock and S. M. Lingo, SCS

Item 13 "Correlation and Extent of Pennsylvanian Cyclothems," by Wanless and Weller, 1932

Item 14 "Synoptic Determination and Forecasting Significance of Cold Fronts Aloft," by B. Holzman, U.S.D.A. Weather Bureau, 1937 [2 copies]

Item 15 "Determination of Evaporation from Land and Water Surfaces," by C. W. Thornthwaite and B. Holzman, 1939 [2 copies - one in copy of *Monthly Weather Review*, 67(1), 1939]

Item 16 "Climatic Research in the Soil Conservation Service," C. W. Thornthwaite, B. Holzman, D. I. Blumenstock, 1939

Item 17 *Maryland* 19(1), Dec 1947, includes article pp. 5-9 by Dr. O. E. Baker, "The Population Prospect in Relation to the World's Agricultural Resources."

Item 18 "Pre-Columbian Agriculture in the Southwest as Conditioned by Periods of Alluviation," by Kirk Bryan, 1940

Item 19 "Date of Channel Trenching (Arroyo Cutting) in the Arid Southwest," by Kirk Bryan, 1925

Item 20 *The Monthly Weather Review*, Supplement No. 29, "The Floods of 1927 in the Mississippi Basin," by H. C. Frankenfield, 1927 [a map]

Item 21 *Public Roads* — single copies [file folder with copies of *Public Roads*: 22(1) March 1941, 22(12) February 1942, 12(7) Sept. 1931, 19(10) Dec. 1938]

Series IV: Correspondence

FF 1 Correspondence on Gully Report

FF 2 Correspondence — D. H. Eargle

FF 3 Correspondence (Non-confidential) 1943

BOX 3

FF 1 January-April 1943 — Correspondence

FF 2 August-December 1942 — Correspondence

FF 3 January-July 1942 — Correspondence

FF 4 July-December 1941 — Correspondence

FF 5 January-June 1941 — Correspondence

FF 6 January-December 1940 — Correspondence

FF 7 January-December 1939 — Correspondence

BOX 4

FF 1 August-December 1938 — Correspondence

FF 2 May-July 1938 — Correspondence

FF 3 Jan-April 1938 — Official Correspondence

FF 4 June-December 1937 — Official Correspondence

FF 5 Jan.-May 1937 — Official Correspondence

FF 6 November-December 1936 — Correspondence

FF 7 September-October 1936 — Correspondence

FF 8 July-August 1936 — Correspondence

FF 9 Jan.-June 1936 — Washington Correspondence, S.C.S.

BOX 5

Series V: Manuscripts & Projects

A. Mississippi Loess

FF 1 Mississippi Loess problem

B. Ohio and Appalachians area

FF 2 Mass-Movement Report, S.C.S., 1943

FF 3 Picture Book, Ohio, etc.

FF 4 Ohio: References, Base Maps, Personnel

FF 5 Soil Mechanics: Laboratory and field

FF 6 Stratigraphic Columns, Ohio, Pennsylvania, etc.

FF 7 Miscellaneous Data for Mass-Movement Report

FF 8 West Virginia - State & local base maps

FF 9 Kentucky - State & local base maps

FF 10 Pennsylvania - State and local base maps

FF 11 Ohio - State and local base maps

FF 12 Samples of Forms Used in Mass-Movt. Work

FF 13 Literature for Ohio, Pa., W.Va., Ky. study

FF 14 Structure contours

BOX 6

FF 1 Ideas for Further Field Work: Mass-movement

FF 2 Mass-Movement Descriptions: Ohio, Pennsylvania, etc.

FF 3 Ohio — Boring Records: Photos, Maps, etc.

FF 4 Outlines for Mass-Movement Report

FF 5 Data for Illustrations: Mass-movement study

FF 6 Ohio — Descriptions, Lab Analyses, Illustrations, Outlines

FF 7 Ohio Vegetation Surveys

FF 8 Ohio — Project outlines, progress reports

FF 9 "Creep and Earthflow in E. Ohio," Oh. Ac. Sci.

C. Polacca

FF 10 Polacca Wash bulletin: CWT, CFSS, EFD

FF 11 Polacca Report, Illustrations

Item 12 "Base Map, Navajo District" [blueprint map of watersheds in study area]

FF 13 Polacca Bibliography

BOX 7

D. Piedmont

FF 1	"Gully Erosion in Piedmont of S.C."
FF 2	Eargle, Piedmont Problem
FF 3	Processes of Accelerated Erosion: Mulch, Frost
Env 4	Photos used in Gully Bulletin
FF 5	V. Relation of Physiographic Forms to Soils and Slopes, H. Eargle (?)
Env 6	Spartanburg Co., S.C. Road Map (with gullies studies.)
FF 7	IV. Representative Areas Having Transported Soil. H. Eargle
FF 8	Piedmont - Illustrations
FF 9	III. Soils of the Piedmont Upland
FF 10	Outlines, Contents
FF 11	I. Introduction

BOX 8

FF 1	Dup & Cop. Represent. Areas
FF 2	Piedmont Problem: Miscellaneous

Series VI: Miscellaneous Projects

FF 3	Landslides in Agr. & Eng.: Milwaukee 1939
FF 4	Piedmont Soils Chapter: For Journal article?
FF 5	Miscellaneous short papers, abstracts, etc.
FF 6	"Climate of S.W. in Relation to Acc. Eros."
FF 7	Geology, Washington, D.C.
FF 8	"Soil Conservation" – Bennett: Chapter
FF 9	"What Is Soil Erosion?"
FF 10	"Physiog. Research on Soil Erosion."

FF 11 "Normal and Accelerated Erosion" A.G.U. 1941

FF 12 Bibiliography on Mass Movement

FF 13 Mass-Movement Bibliography: Check lists

FF 14 Acknowledgments - "Soil Creep & Earthflow"

FF 15 *What Is Soil Erosion,* Acknowledgements, etc.

BOX 9

Series VII: Miscellaneous Files & Publications

FF 1 Publication Lists: Members of Division

FF 2 Mailing Lists for Publications: Rosters

FF 3 Equipment Records and Receipts

FF 4 Seminars (Early 1936) Wash., D.C.

FF 5 April 1940 Field Conference

FF 6 Itineraries & Meetings

FF 7 Physiog. Research — General

FF 8 Dup. & Cop. *Physiog.* — Soil — Slope

FF 9 References

FF 10 Illustrations

FF 11 Copies Corrected by Eargle

FF 12 Selected history items 6-23-1991 [file formerly titled: Ohio Project: Personnel]

FF 13 Physiog. Research in Soil Erosion [old title of file; file is now made up of correspondence and notes related to physiographic/geomorphology projects in Soil Conservation Service—origins, plans, administrative/organizational changes, destinations of staff in 1942 as war escalated and division broke up; —compiled by Sharpe in conjunction with interview by Anne B. W. Effland, Agricultural and Rural History Section, Economic Research Service, USDA, June 1991]

Item 14 USDA *Technical Bulletin No. 633*, "Principles of Gully Erosion in the Piedmont of South Caroli-

na," H. A. Ireland, C. F. S. Sharpe, D. H. Eargle, January 1939

Item 15 USDA, *Miscellaneous Publication No. 286*, "What Is Soil Erosion," C. F. S. Sharpe, February 1938

Item 16 "Geomorphic Aspects of Normal and Accelerated Erosion," C. F. S. Sharpe, *Symposium on Dynamics of Land-Erosion*, May 1941

Item 17 *Soil Conservation*, May 1941 [includes "Climate of the Southwest in Relation to Accelerated Erosion," C. W. Thornthwaite, C. F. S. Sharpe, E. F. Dosch

Item 18 *Soil Conservation* April 1937 [special issue on work of Climatic and Physiographic Research Division]

BOX 10

Series VIII: Photographs and Lantern Slides (Other Media)

FF 1 Micro-Film, Bibliofilm, etc.

FF 2 "Carbon Transfer Process: Patterning." [inexpensive process used on maps produced by Muskingum project of Climatic Section]

FF 3 Photographic & Clippings

Env 4 Photos: New Mexico, Colorado, Utah, Ohio [aerial photos]

Box 5 Landslide Photos

BOX 11

Container 1 Lantern Slides – Mass Movement
[CAUTION-GLASS]

"50 good Mass Movement slides (made by SCS) *from* L & RP ["Landslides and Related Phenomena," C. F. S. Sharpe, Columbia University Press, 1938, 137p.], SCS field work, misc. field work"

BOX 12

Series IX: Notecards related to research of Climatic and Physiographic Division — especially mass movement

Boxes 1 & 2 Card file with notes related to research of the Climatic and Physiographic Division [largely compiled by Erosion History Section]