

GEOLOGY
Dederick Ward; May 1984
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I. DESCRIPTION

A. Purpose: To support the teaching and research of the Department of Geology through, and beyond, the doctoral level. The collection also supports programs in physical geography, engineering, and to a lesser extent, biology and agriculture. The collection expands the scope of holdings in the Illinois State Geological Survey Library, particularly for foreign literature.

B. History of Collection: The original collection of Geology Library materials was assembled in the late 19th century and presented to the University by Professor C.W. Rolfe, a member of the first graduating class and one of the University's earliest professors of geology. In 1911, all of the book collections of the departments in the Natural Sciences were combined with the Library of the State Laboratory of Natural History to form the Natural History Library, a departmental library of the University. Two years later, the Natural History Library was moved from the Main Library Building to the present Natural History Building. This large collection remained as the Natural History Library until the fall of 1959, when, upon completion of Burrill Hall, the biological materials were moved to new quarters provided for the Biology Library in that building. At that time, the Geology Library was established in its present location.

C. Estimate of Holdings: 136,000 volumes and 35,000 map sheets.

D. State, Regional, and National Importance: The geology collection at Illinois is recognized as one of the nation's most comprehensive in terms of backfile strength and international acquisition. Of particular strength is the history of geology collection (as described in the Ward/Carozzi catalog under I.G. below).

E. Unit Responsible for Collecting: Geology Library

F. Location of Materials: The Geology Library houses 82,000 volumes and 35,000 geologic maps. The Bookstacks has 50,000 volumes, Altgeld Hall 1,500, and the Rare Book and Special Collections Library has 3,000 volumes of geological materials.

G. Citations of Works Describing the Collection:

Ward, Dederick and Albert Carozzi. Geology Emerging: A Catalog Illustrating the History of Geology (1500-1850) from a Collection in the Library of the University of Illinois at Urbana-Champaign. Urbana, IL.: The University Library and the Graduate School of Library and Information Science. (Downs' Publication Fund no. 8) (in press).

II. GENERAL COLLECTION GUIDELINES

A. Languages: Standard statement, with the exception that in the fields of regional geology, stratigraphy, paleontology, and the history of geology special efforts are made to collect in all languages.

B. Chronological Guidelines: No restriction. From the origin of the earth to the present.

C. Geographical Guidelines: Worldwide.

D. Treatment of Subject: Standard statement. The term "Geology" should more aptly be "Geoscience," which includes most earth sciences except meteorology, and certain applied aspects of the science. Since geology is interdisciplinary, there is close cooperation in acquisitions with the Engineering Library in such areas as rock mechanics and environmental geology, and physical geography with the Map and Geography Library. It is nearly impossible to distinguish which aspects of these designated subjects are collected by each of the libraries, but duplication is generally avoided.

E. Types of Materials: Standard statement. Of specific interest are field guidebooks, regional and governmental reports, and geological maps.

F. Date of Publication: Standard statement. Special effort is made to acquire first editions and rare items of classics in the fields of the history of geology, stratigraphy, and paleontology.

G. Place of Publication: No restrictions.

III. COLLECTION RESPONSIBILITY BY SUBJECT SUBDIVISIONS WITH QUALIFICATIONS, LEVELS OF COLLECTING INTENSITY AND ASSIGNMENTS.

<u>SUBJECTS</u>	<u>ES</u>	<u>CL</u>	<u>DL</u>	<u>ASSIGNMENTS</u>
GEOLOGY PER SE (historical and regional geology, stratigraphy, structural geology, sedimentology, geomorphology, and petrology)	4	4	4	GEOLOGY
GEOCHEMISTRY	4	4	4	GEOLOGY
GEPHYSICS OF THE SOLID-EARTH	4	4	4	GEOLOGY
EXTRATERRESTRIAL GEOLOGY	4	4	4	GEOLOGY
MINERALOGY	4	4	4	GEOLOGY
CRYSTALLOGRAPHY	3	3	3	GEOLOGY/ chemistry/ engineering
PALEONTOLOGY	4	4	4	GEOLOGY

<u>SUBJECTS</u>	<u>ES</u>	<u>CL</u>	<u>DL</u>	<u>ASSIGNMENTS</u>
OCEANOGRAPHY (not including marine biology)	4	4	4	GEOLOGY
APPLIED GEOLOGY Engineering geology	4	4	4	GEOLOGY/ engineering
Environmental geology, nuclear waste disposal, groundwater pollution	4	4	4	GEOLOGY/ ENGINEERING/ city planning
Hydrogeology (groundwater)	4	4	4	GEOLOGY/ engineering
Hydrology	4	4	4	ENGINEERING/ geology
Economic geology	4	4	4	GEOLOGY
MINERAL ECONOMICS	4	4	4	COMMERCE/ geology
MINERAL EXTRACTION AND PRODUCTION	4	4	4	ENGINEERING/ geology
ROCK MECHANICS	4	4	4	ENGINEERING/ geology
SEISMOLOGY	4	4	4	GEOLOGY/ engineering
MISCELLANEOUS				
Geological documentation	4	4	4	GEOLOGY
Geological maps, field geology	4	4	4	GEOLOGY
Geological teaching	2	2	2	GEOLOGY/ education
History of geology	4	4	4	GEOLOGY/history/ rare book & special collections library
Mineral resources maps	4	4	4	MAP/geology