

**Scripps Institution of Oceanography Archives
 Processing Record**

Menard, Henry William 1920-1986

Henry William Menard Papers, 1938-1986

Physical Description: 84 mss, 1 oversize box slides, oversize materials

Arrangement: With the exception of the Correspondence files, the original arrangement of the Menard Papers has not been disturbed much over the years, and the original record series were discernible. The Correspondence files were probably rearranged by Menard while he was writing *Ocean of Truth* (1986). The Menard Papers consist of the following series: Biographical, Calendars, Correspondence, Organizations, University of California, United States Geological Survey, Subject Files, Student Files and Laboratory Notes, Research Files, Writings, Slides, and Negatives.

Description: The Henry William Menard Papers provide rich documentation of Menard's professional career, and include excellent documentation of his work as an author and as director, United States Geological Survey (1978-1981). The collection includes materials from 1938-1986, with the bulk of the materials dating from 1960-1986. The papers are largely comprised of correspondence, drafts of Menard's books, reports, research and data files, teaching materials, and visual aids. When oversize materials were separated, they were replaced with a separation sheet identifying the separated material and its present location. Oversize materials were separated to box 79 or to the oversize drawers in the SIO Archives.

Series Description:

BIOGRAPHICAL, 1938-1986 [1.75 boxes]: The BIOGRAPHICAL series includes awards, bio-bibliographical materials, certificates, and personal photographs and records, arranged alphabetically. The Achievements folder contains personal reflections handwritten by Menard. Additional notes and diaries of a personal nature are found within other series, such as RESEARCH FILES and UNITED STATES GEOLOGICAL SURVEY. Also includes papers and audio recordings from Menard's memorial service.

CALENDARS, 1965-1986 [0.5 box]: The CALENDARS series contains appointment books for the years 1965-1972 and 1974-1985, arranged chronologically. Menard's appointment calendars while director, USGS (1978-1981) are found within the UNITED STATES GEOLOGICAL SURVEY series.

CORRESPONDENCE, 1945-1985 [4.75 boxes]: The CORRESPONDENCE series consists of general correspondence, mostly professional, arranged chronologically. It is likely that Menard originally maintained his correspondence files in alphabetical order, and then rearranged some materials in chronological order while preparing *Ocean of Truth* (1986). As a consequence, correspondence specific to plate tectonics is found within the *Ocean of Truth* subseries of the WRITINGS series. Additional correspondence related to Menard's manuscripts may be found throughout the WRITINGS series. The CORRESPONDENCE series contains communications between Menard and his graduate advisor Henry Stetson; his colleagues such as Edward Bullard, Robert Dietz, K.O. Emery, Maurice Ewing, Edwin Hamilton, Xavier Le Pichon, Frank Press, Manik Talwani and John Worzel; his students: Tanya Atwater, Roger Larson, and Marcia McNutt; as well as his British and Russian colleagues. The CORRESPONDENCE files reveal Menard's many personal and professional interests such as glaciation and the ice age phenomena, sedimentology, geophysics, the sociology of geology, and the history of science. Also, Menard describes the role of politics in his USGS appointment and

resignation (see Box 2, undated correspondence), and mentions his Innovative Teaching Project in Marine Geology (Box 4). Apparently, this successful project led students through an "expedition," in an attempt to find a more effective and personal approach to teaching in the future. Menard also advocated the necessity for computers in university teaching programs.

ORGANIZATIONS, 1954-1986 [10 boxes]: The ORGANIZATIONS series, arranged alphabetically, is comprised of files pertaining to Menard's affiliation with and service to various private and public organizations at the national and international level. The files contain correspondence, memos, news clippings, proposals, and reports, related to conferences, studies, meetings, and memberships. Materials related to the meetings of these organizations may also be found in the USGS series. The National Science Foundation (NSF) files contain data and proposals for Menard's grant-funded research. The National Academy of Science (NAS) documents Menard's involvement with the Academy, dating from his membership in 1968, and including his subsequent environmental studies sessions. Menard's service to the NAS included the Commission on Natural Resources and the Board on Ocean Science and Policy. Materials in the NAS subseries--such as committee reports, critiques and reviews--also document Menard's Summer 1969 Study on The Everglades, the 1970 Jamaica Bay Environmental Study Group, New York, and the 1973 Council on Environmental Quality Critique.

UNIVERSITY OF CALIFORNIA, 1961-1985 [4 boxes]: The UNIVERSITY OF CALIFORNIA series contains files generated while Menard lived in La Jolla and served on the faculty of the SIO. The series includes University of California and SIO administrative files (but do not include his files while acting director, Institute of Marine Resources, 1967-1968), correspondence, committee records, teaching and course materials, and files concerning SIO expeditions and marine operations. These files are arranged alphabetically. The Teaching, [SIO Courses] subseries include excellent documentation of Menard's syllabi, lecture notes, and readings for courses he taught between 1974 and 1984.

UNITED STATES GEOLOGICAL SURVEY, 1977-1981 [10 boxes]: The UNITED STATES GEOLOGICAL SURVEY series includes files Menard maintained while director, USGS (1978-1981). The USGS series, comprised of agendas, appointment books, correspondence, news clippings, reports, and travel and talk information, is arranged in alphabetical order. The Appointment subseries is comprised of appointment and confirmation materials, and also includes an "Oral History Interview," (1981, Box 22) in which Harold Burstyn, Historian, USGS, talks with Menard about his career. The files within the Scientific Talks and Trips While Director subseries largely document Menard's travel and speaking engagements. They include extensive information on Menard's 1979 trip to South America, and his 1980 trips to Africa and China, which he undertook with Presidential Science Advisor, Frank Press. The "Tenth Director" (c.1978, Box 78) is a unique look at Menard's personal feelings and experiences while director. These handwritten notes are mostly dated between February 1978 and January 1979, and include "undated" entries as well. Menard recounts the events which led to his nomination, including the fact that he originally turned down the offer of directorship. Menard's writings reveal his inner turmoil while making decisions as director. Menard describes his need to remain neutral, in science and in politics, so that he would not bow to recurrent political or professional pressures. Menard discusses at length the details of his decision to fire the associate director. The final pages of the "Tenth Director" are reflections of the Vietnam years and Menard's subsequent change in attitude toward national policy.

SUBJECT FILES, 1945-1985 [3 boxes]: The SUBJECT FILES series includes subject folders arranged alphabetically. The subseries on Frankel contain three papers written by science philosopher Henry Frankel. "Frankel on Menard" contains Frankel's paper entitled "The Development of H.W. Menard's Various Hypotheses Concerning Seafloor Evolution," as well as the questions which Frankel posed to Menard. The World War II Photos and World War II Records subseries pertain to Menard's 1945 missions with the U.S. Navy as a photo interpreter and air intelligence officer in the South Pacific.

STUDENT NOTES & LABORATORY NOTEBOOKS, 1941-1949 [2 boxes]: The STUDENT NOTES & LABORATORY NOTEBOOKS series includes essays, examinations, laboratory notes, and papers, while

Menard was a graduate student at the California Institute of Technology (1946) and Harvard University (1947-1949). These graduate course files, arranged chronologically, occasionally incorporate undergraduate notes on the same or relevant subjects.

RESEARCH FILES, undated and 1952-1985 [7 boxes]: The **RESEARCH FILES** series comprises materials used in the preparation of Menard's scientific lectures, papers, and books. The folders, arranged alphabetically, include correspondence, reports, articles, data, and notes. It is likely that Menard maintained these files as reference materials--perhaps over the course of several papers. Background materials of a similar nature, but which directly correspond to a manuscript, are found within the **WRITINGS** series. Extensive material is available documenting Manganese Nodules, Oil Exploration and Drilling, and the Santa Barbara Oil Spill, including data and photographs. This series also includes more introspective files concerning Menard's Notes, Research Ideas, and Research Problems.

WRITINGS, 1947-1986 [36 boxes]: The **WRITINGS** series includes published and unpublished manuscripts and scientific papers, arranged by date. The files contain correspondence, illustrations, data, maps, notes, and photographs which document the preparation of Menard's writings. A number within brackets was added to the manuscript title when it corresponded to Menard's numbered bibliography (Box 42, Folder 6). Extensive documentation exists for Menard's six books. The subseries Marine Geology of the Pacific, consists primarily of drafts. *The Anatomy of an Expedition* (1969) subseries is largely comprised of materials relating to the 1967 SIO Nova Expedition. Principles of Marine Geology, written around 1970, consists of working and master drafts for a textbook which Menard never published. The folders on Science, Growth and Change (1971) contain two earlier versions separately entitled "Growth Rates and Science," and "Seesaw of Science." Menard's last two books, *Islands* (1986) and *Ocean of Truth* (1986), were published posthumously. It was with the editorial help of Menard's son, Andrew, that the dedication and final galleys of *Ocean of Truth* were completed. In addition to the **CORRESPONDENCE** series, much of Menard's correspondence with his colleagues is found within the *Ocean of Truth* (1986) folders. Arranged alphabetically by Menard, these correspondence files contain reminiscences and personal accounts of the history of the plate tectonic revolution. Apparently, Menard culled the earlier correspondence from within his own correspondence files and generated the 1980s correspondence through his request for a biography, a bibliography, a photo, a particular recollection, and important letters from any of the following: Edward Bullard, Maurice Ewing, Bruce Heezen, and Harry Hess. Consequently, these files contain biographies and correspondences from his science colleagues such as Tanya Atwater, Edward Bullard, Clem Chase, Allan Cox, Robert Dietz, Maurice Ewing, Bruce Heezen, Roger Larson, and Tuzo Wilson. Of these correspondence files, the Heezen folders are particularly extensive. They contain chronicles of Bruce Heezen's career, analyses by Menard, and transcripts of Heezen's interview pertaining to VEMA cruises and ocean research funding. Included in the file are nine transcripts of five tapes by Heezen, and one transcript of a tape by John (Joe) Worzel, sent to Menard by Marie Tharp. In a letter to Menard, Tharp mentions that the interviews with Heezen were conducted by herself and John Lear. They were intended for a book which was to be published about Heezen, especially his conflicts with colleagues. The file also contains Heezen's scribbled notes concerning his relations with Hess, an addendum by Heezen entitled "Submarine Geology and The Displacement of Continents," and Tharp's correspondence with Henry Frankel.

SLIDES, undated, 1972, 1980: The **SLIDES** series contains Menard's collection of slides on plate tectonics and continental drift, volcanology, and other topics.

LANTERN SLIDES AND NEGATIVES, undated [6 boxes]: The **LANTERN SLIDES** and **NEGATIVES** series is comprised mostly of lantern slides and negatives which Menard used in the publication of his writings. The **NEGATIVES** series is arranged in chronological order.

Related Collections: An unprocessed collection of Menard's papers from his office as director of the USGS are at the National Archives.

Provenance: The Henry William Menard Papers (Accession No. 82-53) were donated to the Archives of the Scripps Institution of Oceanography in four accessions between 1982 and 1990. The first three accessions were transferred from Menard's office at Ritter Hall. The last accession was transferred from the Menard home in La Jolla. Two other accessions, 86-11 and 86-13, consist of an audio cassette tape and transcripts taken during the H. William Menard Memorial Service on February 27, 1986, as well as correspondence regarding memorial.

Henry William Menard Papers, 1938-1986

Scripps Institution of Oceanography Archives
Accession No. 82-53

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