

Robert S. Dietz Papers

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Descriptive Summary

Languages: English

Contributing Institution: Special Collections & Archives, UC San Diego

9500 Gilman Drive

La Jolla 92093-0175

Title: Robert S. Dietz Papers

Identifier/Call Number: SMC 0028

Physical Description: 9.2 Linear feet(22 archives boxes, 2 card file boxes, and 2 oversize folders)

Date (inclusive): 1936-1995

Abstract: Papers of geologist Robert S. Dietz (1914-1995), including correspondence, writings, and files relating to Jacques Piccard's submersible ocean research vessel, the bathyscaph Trieste.

Scope and Content of Collection

Papers of geologist Robert S. Dietz (1914-1995), including biographical materials, correspondence, writings, and files relating to Jacques Piccard's submersible ocean research vessel, the bathyscaph Trieste. The collection contains two fairly small series containing Dietz's letters and a limited selection of his research files on various topics, including meteor craters, astroblemes, continental margins, plate tectonics, ocean basins, and Soviet oceanography. The more significant series include thorough documentation of his writings and publications, including reports authored while Dietz was a Scientific Liaison Officer at the London Office of Naval Research (ONR), his formative research papers on the theory of continental drift, and Dietz's intellectual confrontations with creationists in the public sphere. The collection also includes papers and sound recordings relating to the important research collaboration between Dietz, the ONR, the U.S. Navy Electronics Laboratory and Swiss explorer and inventor Jacques Piccard, which resulted in record-breaking deep ocean dives in Piccard's bathyscaph Trieste off the coast of Guam in 1959 and 1960.

Arranged in five series: 1) BIOGRAPHICAL, 2) CORRESPONDENCE, 3) BATHYSCAPH TRIESTE, 4) WRITINGS, and 5) SUBJECT AND RESEARCH FILES.

Biography

This text is adapted from a [Dietz biography](#) by Deborah Day, 1999.

Robert Sinclair Dietz was born in Westfield, New Jersey, 1914, a son of civil engineer Louis Dietz and Bertha Dietz. He was educated at the University of Illinois from 1933-1941 where he received B.S., M.S. and Ph.D. degrees in geology with a minor in chemistry. He joined ROTC his junior year. While Dietz's degrees were from the University of Illinois, most of his doctoral work was done at the Scripps Institution of Oceanography (SIO) under the direction of his mentor, Francis P. Shepard, who had faculty positions at both institutions before the war. While a student in Illinois, Dietz became interested in the Kentland structure in Indiana and identified it as a meteoric impact site. He wanted to write his dissertation on Kentland, but his professors steered him toward marine geology. Dietz and his fellow graduate student K. O. Emery together with Francis P. Shepard first described the submarine phosphorites off California.

Dietz was unable to obtain employment as a marine geologist after receiving his doctorate, as this field was not yet recognized. He was called to active duty as a ground officer in the U.S. Army Air Corps with the 91st Observation Squadron in Fort Lewis, Washington, and served as a pilot with many missions in South America. World War II, he remained in the reserves for an additional fifteen years and retired as a lieutenant colonel.

After his wartime military service, Dietz received a letter from Dr. Eugene LaFond, a colleague he had met at Scripps, asking him to organize a sea-floor studies group at the Navy Electronics Laboratory (NEL) in San Diego. Dietz accepted and became the founder and director of the Sea Floor Studies Section of NEL. This position included an opportunity to be a geological oceanographer on Admiral Richard E. Byrd's last expedition to Antarctica, the navy-sponsored Operation HIGHJUMP. While at NEL, Dietz participated in several joint NEL-SIO oceanographic cruises to explore the Pacific basin, notably MidPac in 1950. H. William Menard and Dietz delineated the Cape Mendocino submarine scarp on MidPac; Menard later described its fracture zone as a type locality. Working with Robert Dill, they made the first map of the deep sea fan at the mouth of Monterey Submarine Canyon that showed large amounts of sediments channeled into the deep sea from the continent.

Dietz's laboratory purchased the first Canadian "aqua-lungs" invented by Emile Gagnan and Jacques Cousteau, and NEL Sea Floor Studies Section scientists became proficient in their use. In 1953 the group together with several members of the SIO staff formed a private consulting firm called Geological Diving Consultants. GDC was hired by major oil companies interested in initiating oil exploration off the central California coast. GDC's seafloor geological maps were used in the discovery of two major oil fields off Santa Barbara and Point Conception. Dietz contributed directly by making hundreds of dives along the California and Baja California coasts.

Dietz, SIO diving officers Conrad Limbaugh and James Stewart, Robert Dill, Francis Shepard and others at NEL/SIO made ten cruises to the Gulf of California, mapping and diving at the heads of submarine canyons. They filmed underwater footage and made still photographs of the geological processes in canyon heads. This work contributed to publications including Shepard and Dill's *Submarine Canyons and other Valleys of the Sea Floor*, the Marine Geology chapter in Shepard's book, *Submarine Geology*, and van Andel and Shor, eds. *Marine Geology of the Gulf of California*. Dietz's experiences as a scuba diver increased his awareness of the value of in situ studies and the potential value of submersibles as a scientific tool.

Dietz served as an adjunct professor at the Scripps Institution of Oceanography from 1950-1963, coincident with his service at the Naval Electronics Laboratory, 1946-1963. At his home at La Jolla Shores he hosted discussions among marine geologists and graduate students. These years in California were interrupted in 1953 when Dietz served as a Fulbright Scholar at the University of Tokyo, and again from 1954-1958 when he served with the Office of Naval Research (ONR) in London. His fellowship in Japan enabled him to study trans-Pacific transmission of underwater sound from the 1952 Myojin-sho eruption and to become familiar with Japanese Hydrographic Office studies of the submarine geology of the Northwest Pacific basin. He became interested in and named the Emperor chain of seamounts that extended from the northwest end of the Hawaiian Island-Midway chain and speculated over lunch with Robert Fisher in 1953 that something must be carrying these old volcanic mountains northward like a conveyor belt. The papers he published during this period, combined with the work of others, posed some of the fundamental questions connected with plate tectonic theory. Dietz became an early and convincing proponent of continental drift, and he wrote incisive papers contributing to the concept he called sea-floor spreading.

While stationed in London, Dietz met Jacques Piccard through Jacques Cousteau. Dietz knew of Piccard's design for the French submersible FNRS-3, and he offered to promote ONR support for the construction of the bathyscaph Trieste. This was successful, and Trieste was tested in sea trials off Capri. Piccard, Dietz, and Dr. Andreas Rechnitzer of NEL formulated a plan for a Trieste manned deep dive into the western Pacific trench to prove the utility of the bathyscaph as a research tool for NEL. On January 23, 1960, Piccard, accompanied by US Navy Lt. Donald Walsh, made the deepest dive, 35,800 feet, almost seven miles to the seafloor in the Challenger Deep, a location southwest of Guam surveyed by SIO geologist Robert Fisher as the deepest ocean trench in the world. Dietz and Piccard coauthored a book describing this feat entitled *Seven Miles Down: The Story of the Bathyscaph TRIESTE* (New York: Putnam, 1961).

In 1963, Dietz was asked by Dr. Harris B. Stewart to join and expand the oceanographic and geological studies group within the U.S. Coast and Geodetic Survey in Washington, DC. These were the post-Sputnik years when American oceanographers were pushing to develop a "wet NASA" to focus attention on oceanography "inner space." The Survey moved its research offices to Miami where it became the Environmental Sciences Administration (ESSA). ESSA was absorbed into the National Oceanic and Atmospheric Administration (NOAA) when it was created. Dietz was instrumental in forming a team of marine biologists and geophysicists within NOAA similar to the Sea Floor Studies Group at NEL. Dietz presented papers to scientists and to the public to publicize NOAA studies and developments in plate tectonics. These papers often included the cartoons of his NOAA colleague John Holden. Changes in governmental priorities de-emphasized geology and geophysics within NOAA just as Dietz reached retirement age in 1975.

After leaving NOAA, Dietz accepted positions as a visiting professor at the University of Illinois in 1974, Washington State University, 1975-1976, and Washington University, St. Louis, in 1976- 1977. In 1977, he accepted a tenured faculty position at Arizona State University and became emeritus faculty in 1985, although he continued research and publication until his death.

Dietz traveled widely in the American west and was appointed chief scientific consultant for the Barringer Crater Company, owners of Meteor Crater, because of his expertise in meteoric impacts. He was a popular teacher and led many field trips for his introductory courses to the Grand Canyon and other points of geological interest. After his retirement, he became interested in the publications of creation scientists and their assertions that the Grand Canyon was much younger than suggested by geologists, created on a time scale consistent with biblical texts. He attended creationist science conferences, corresponded with conference speakers, and visited exhibits representing their point of view. Dietz collaborated with scientific illustrator John C. Holden on a book entitled *Creation/Evolution Satiricon: Creationism Bashed* (Winthrop, WA: Bookmaker, 1987), which refuted creationist views of earth history.

Throughout his career, Dietz made many significant contributions in the fields of geology, marine geomorphology, and oceanography. Edwin Hamilton, one of the first geologists he recruited at NEL, noted that in geomorphology, Dietz contributed original work in geomorphic evolution of the continental terrace, in the origin of continental slopes and margins, in the development of the Hawaiian swell, and in the development of the abrupt change in slope at the continental margins. He contributed broadly to knowledge of the geomorphology of the northwest Pacific and the Arctic basin. Dietz contributed to an understanding of turbidity-current channels, and sedimentation in the continental terrace and in the deep Pacific.

Dietz was well known for his advocacy of continental drift and for the term "sea-floor spreading," which he coined. Dietz was interested in lunar craters as a graduate student and returned to the interest during the last years of his professional career. He achieved prominence by studying meteorite craters, both on Earth and on the moon, and arguing that these impact craters were common. He long argued, in opposition to economic geologists, that the nickel-iron rich deposit of Sudbury Basin in Ontario, Canada, resulted from a meteoric impact. He used shatter coning to identify impact sites including the Ries and Steinheim basins in Germany (1958) and the Vredefort Ring in South Africa (1961). He coined the phrase "astrobleme" to describe impact structures created by high energy extraterrestrial objects striking the earth. He lived long enough to see most of his findings, called iconoclastic by his colleagues in the 1950s and 1960s, confirmed. Dietz was a very independent thinker characterized by his colleagues as one of the foremost geologists of his generation, and characterized by historians as one of the modern proponents of catastrophism. He called himself an astrogeologist. Dietz enjoyed discussion of new ideas. He often recognized the significance and implications of discoveries made by others earlier than the discoverers themselves, and he urged his students and colleagues to write about their discoveries in the widest context of geology.

Dietz received many distinguished honors during his career; among these were the Walter H. Bucher Medal of the American Geophysical Union, the Gold Medal of the Department of Commerce, the Alexander von Humboldt Prize (West Germany), and the Penrose Medal of the Geological Society of America.

Robert Sinclair Dietz died of a heart attack on Friday, May 19, 1995, at his home in Tempe, Arizona.

References:

Dietz, Robert S. "Earth, Sea, and Sky: Life and Times of a Journeyman Geologist." *Annual Review of Earth and Planetary Science* 22 (1994), 1-32.

"Dietz, Robert Sinclair." *McGraw-Hill Modern Scientists and Engineers* v. 1 (1980), 290-291.

Preferred Citation

Robert S. Dietz Papers. SMC 28. Special Collections & Archives, UC San Diego.

Acquisition Information

Acquired 1988, 1995, 2006.

OFF-SITE STORAGE

COLLECTION STORED OFF-SITE. ALLOW ONE WEEK FOR RETRIEVAL OF MATERIALS.

Publication Rights

Publication rights are held by the creator of the collection.

Digital Content

A small selection of materials from the collection have been digitized. The digitized images may be viewed by searching the phrase "Robert S. Dietz papers" in quotes, on the UC San Diego Library Digital Collections website.

Restrictions

Original Dictaphone sound recordings in Box 24 are restricted. Most have been reformatted, and digital listening copies are available upon request.

Subjects and Indexing Terms

Creationism
Continental drift
Sea-floor spreading
Plate tectonics
Meteorite craters
Oceanographic submersibles
Dietz, Robert S. (Robert Sinclair), 1914-1995 -- Archives
Piccard, Jacques
Shepard, Francis P. (Francis Parker), 1897-1985
Trieste (Bathyscaphe)
United States. Navy. Electronics Laboratory

BIOGRAPHICAL**Scope and Content of Series**

Series 1) BIOGRAPHICAL: A selection of materials including personnel files, awards, photographs and publicity documenting the life and career of Robert Dietz.

Box 1, Folder 1
Box 1, Folder 2
Box 1, Folder 3
Box 1, Folder 4-9
Box 1,
Folder 10-11
Box 1, Folder 12

Bibliographies**Curriculum vitae**

University of Illinois - Master's degree certificate 1939

Navy and federal civilian personnel records 1936-1974

Honors, awards and appointments 1936-1994

Certificates 1964-1986**General note**

Includes certificates for Dietz's participation in submersible research, including the R/V Ben Franklin, Aluminaut, and a diving saucer to Scripps Canyon in 1964. Additional certificates documenting achievements may also be found in Dietz's Navy and federal civilian personnel records, and the Honors, Awards and Achievements folders.

Box 1,
Folder 13-14
Box 2, Folder 1
Box 2, Folder 2
Box 2, Folder 3-6
Box 22, Folder 9
Box 2, Folder 7
Box 2, Folder 8

Photographs of Robert Dietz 1938-1988

Photographs from TransPac Expedition, Japan 1953

Geological Diving Consultants clipping undated

Press releases and publicity 1938-1970

Pencil portrait by H. Ishida 1961 November 22

Dietz family genealogy 1961, 1985

Atlantic Oceanographic & Meteorological Labs (AOML) personnel files 1963-1975

General note

Includes statement of highlights of scientific contributions written by Dietz.

Box 2, Folder 9
Box 2, Folder 10
Box 2, Folder 11

Letter to brother Lew Dietz, repaying 1934 tuition assistance 1985

Biographical profiles 1985-1994

Profile on Dietz and Harry Hess by Robert Stevenson undated

General note

Typescript covers background on Dietz and Hess, and the nearly simultaneous development of their respective ocean basin origin theories in 1960. Original folder states title of Stevenson book was to be *Oceanography for Astronauts*.

Box 2, Folder 12
Box 2, Folder 13
Box 2, Folder 14
Oversize FB-549,
Folder 15
Box 2, Folder 15

Dietz Bluff, Antarctica - Photographs and articles 1987-1988

Penrose Medal - Geological Society of America 1988

Honorary doctorate, Arizona State University - Acceptance speech and publicity 1988

Honorary doctorate, Arizona State University 1988

Memo of conversation with Rex Dietz regarding R. Dietz's photographs of the 1968

Soviet invasion of Prague 1988

General note

Some of Dietz's photographs were published in Life Magazine v. 65, no. 10 in September 1968.

Box 2, Folder 16

Asteroid 4666 Dietz - Photographs and articles 1993

CORRESPONDENCE

Scope and Content of Series

Series 2) CORRESPONDENCE: Arranged chronologically. Early correspondence discusses research topics, the NEL, SIO personalities, and expeditions such as TransPac. A selection of letters from the 1950s and early 1960s document the effort to bring Jacques Piccard's bathyscaphe Trieste to the United States for deep ocean diving experiments, which supplements materials in the BATHYSCAPH TRIESTE series. Important correspondents include E. L. Hamilton and Gordon Lill.

Box 3, Folder 1-16

1939-1995, and undated

BATHYSCAPH TRIESTE

Scope and Content of Series

Series 3) BATHYSCAPH TRIESTE: Materials in this series document Dietz's role in important research collaborations between London's Office of Naval Research, Jacques Piccard, and the U.S. Navy Electronics Laboratory regarding reinforcement and testing of the bathyscaph Trieste. It includes correspondence, reports, memoranda, diving logs, sound recordings and research files on submersibles and deep ocean diving dating primarily from 1956 to 1964. Specifically, it includes original records relating to the development and execution of Project Nekton. The Project Nekton operation was a series of manned shallow test dives and deep dives off the coast of Guam, which culminated in Trieste submerging to a record-setting depth of approximately 35,800 feet in the Challenger Deep, at the southern end of the Mariana Trench. The series includes both paper documentation and sound recordings that were referenced by Dietz and Piccard for the publication of their book *Seven Miles Down: The Story of the Bathyscaph Trieste* (1961).

Arranged in four subseries: A) Papers and Records, B) Sound Recording Transcripts, C) Audiocassettes, D) Dictaphone Belts.

A) Papers and Records: Dietz's paper documentation relating to Trieste and deep-submersible research. Includes correspondence, technical memoranda (primarily from the US Navy teams associated with Project Nekton), diving logs, and photographs.

B) Sound Recording Transcripts: In 2000, sixty-one Dictabelts from the Dietz collection believed to contain content related to Trieste were reformatted to audiocassette, and the recordings were also transcribed at that time. This subseries contains a transcript for all sixty-one reformatted recordings, in addition to a small selection of additional transcripts generated from other original recordings (not in the collection) made during Trieste dives around 1960. Content on the tapes not related to the unique history of the Trieste (i.e., speakers reading from manuscripts or commenting on manuscript edits, probably related to *Seven Miles Down*), was not transcribed.


C) Audiocassettes: These audiocassettes are reformatted and remastered recordings of sixty-one Dictaphone belts from the Dietz Papers, a project that was completed in 2000 as a joint preservation effort between the SIO Archives and the U.S. Navy. Most of the recordings contain observations, recollections, and commentary on the Trieste's Project Nekton dives, and in some recordings, the speakers (primarily Dietz, Jacques Piccard, and Andreas Rechnitzer) appear to be referring to notes, memoranda, or manuscripts. The recordings date from between 1958 and 1963. At the time of processing, any notations that were written on the Dictabelt envelopes were copied and transcribed onto the cassette cases; these notations have been recorded in the finding aid. Full transcripts of these recordings are also available in the preceding subseries. The sixty-one Dictabelt recordings were reformatted onto fourteen audiocassette tapes, and there are two copies of each tape. The audiocassettes were digitized in 2008, and digital versions of the recordings are available to researchers upon request.

D) Dictaphone Belts: Dietz's papers originally contained almost 100 Dictaphone belt sound recordings which were created by Dietz, Jacques Piccard, Andreas Rechnitzer, and others. Fifty-four of these belts were in a box Dietz labelled, "Trieste B'Scaph File Letters." Other belts were found throughout the collection. In preparation for reformatting, the belts were gathered and arranged alphabetically by the given title on the original envelopes (so similar titles, like "Big Dive" or "San Diego Dives" could be grouped together) and all notations, including dates, were transcribed and transferred to the finding aid. For organization, the belts were given unique sequential numbers by archives staff. In 2000, sixty-one belts that were appraised and considered likely to contain important content were reformatted to audiocassette and transcribed; in 2008, the audiocassettes were digitized. While the original belts are restricted, the reformatted versions and transcripts are available for research.

Papers and Records

Box 4, Folder 1	Photographs of Trieste and Trieste II ca. 1953-1964 General note Includes images of the 1961 launch off San Diego, 1964 launch of Trieste II, Jacques and Auguste Piccard, and artistic renderings of submersibles.
Box 4, Folder 2	Photographs of echograms showing illusion of Trieste landing on bottom undated
Box 4, Folder 3	News clippings on Trieste 1957-1962
Box 4, Folder 4	Proposal by A. and J. Piccard for collaboration between the National Science Foundation...with the bathyscaph Trieste 1954
Box 4, Folder 5	Resolution submitted to the Symposium on Aspects of Deep Sea Research 1956 March 1
Box 4, Folder 6	Technical memorandum 2-57 - Translation of French papers concerning diving results of the bathyscaph FRNS-3 1956-1957
Box 4, Folder 7-10 Oversize FB-549, Folder 15	Trieste - Reports and memoranda 1956-1960 Plans, elevation (bow and stern) and longitudinal section of deep-diving submersible 1957 June General note Designed and drawn by Lt John B. Stubbs.
Box 4, Folder 11	Press release - Bathyscaph Trieste in the Mediterranean 1957 February 27
Box 4, Folder 12	Preliminary report of the Hudson Laboratories Bathyscaph program 1957 July-October
Box 4, Folder 13	Preliminary Reports on the 1957 Scientific Investigations with the Bathyscaph Trieste 1957
Box 4, Folder 14	The 1957 Diving Program of the Bathyscaph Trieste, by A. B. Rechnitzer 1959 December 28 General note NEL Report 941.
Box 4, Folder 15	Reprints signed by J. Piccard (in French) on Trieste dives 1957-1958
Box 4, Folder 16	Accounts and paper "Misadventures at Capri" on 1957 Trieste dives off Capri 1957-1959 General note Includes typescripts of diving log.
Box 4, Folder 17	Project Nekton - Proposal for official recognition and support ca. 1958
Box 4, Folder 18	Calendar of events and dive reports from San Diego 1959
Box 4, Folder 19	Project Nekton negatives ca. 1959 General note Black and white images of people socializing and examining papers, including Dietz and Piccard.
Box 4, Folder 20	Project Nekton manuscript ca. 1960
Box 4, Folder 21	Diving notes from 1953-1959 - Commentary on Trieste dives off Italy, San Diego, and Guam undated
Box 4, Folder 22	French Navy bathyscaph B-11,000 ca. 1960
Box 4, Folder 23	History of the bathyscaph - Notes and manuscripts ca. 1960
Box 4, Folder 24	Jacques Piccard - Notes and biographical data by R. Dietz ca. 1960
Box 4, Folder 25	Trieste diving log, Loma Sea Valley 1961 September 14
Box 4, Folder 26	Archimede (French bathyscaph) - Ocean floor negatives, Kuril Trench 1962
Box 22, Folder 12	NEL flier on Trieste II - Includes research program summary, diagram, etc. 1964
Box 4, Folder 27	Francis Shepard - Recollections of Trieste dive in La Jolla Canyon 1964 March 7
Box 4, Folder 28	25th anniversary of the Trieste deep dive - Booklet 1985

Sound Recording Transcripts

Box 5, Folder 1	<p>Dives #61 and #64 1959-1960</p> <p>General note</p> <p>Includes transcript of live action report from observers standing by during Dive #61, as well as a version of a transcript adapted from dictabelts 15-18.</p>
Box 5, Folder 2	<p>Dive #63 1959</p> <p>General note</p> <p>Transcript of live action report.</p>
Box 5, Folder 3	<p>Dive #69 1960 January 9</p> <p>General note</p> <p>Transcript of live action report.</p>
Box 5, Folder 4-5	<p>Transcriptions from reformatted dictabelt recordings, 1958-1963 - Dives of the bathyscaph Trieste </p> <p>https://library.ucsd.edu/speccoll/DigitalArchives/smc0028/Dives_Bathyscaph_Trieste_Dictabelts.pdf</p> <p>General note</p> <p>Typed transcript of 61 recordings reformatted to audiocassette from Dietz's collection of plastic Dictaphone belts. Speakers include Robert Dietz, Jacques Piccard, Andreas Rechnitzer, and an unidentified speaker. The content is primarily observations, commentary, and recollections concerning Trieste dives, in particular dives made in the Challenger Deep, and off the coast of Italy and San Diego.</p>
Box 5, Folder 6	Piccard's recollection of Trieste construction in 1952
Box 5, Folder 7	History of Trieste and its coming to the U.S., by R. Dietz undated
Box 5, Folder 8	History of Project Nekton and report of 1954 Trieste dive with Dr. Pollini, Italy undated
Box 5, Folder 9	Project Nekton - "The Big Dive" accounts by Piccard, Walsh and Dietz 1959-1960

Audiocassettes

Box 23, Folder 1	<p>Dictabelts 1-5 - Reformatted undated</p> <p>General note</p> <p>"The Big Dive" to 37,800 in the Trieste, Jacques Piccard dictating. Skips/repeats throughout. Time 01:05:31.</p> <p>Access</p> <p>Original restricted (digital version available).</p>
Box 23, Folder 2	<p>Dictabelts 6-10 - Reformatted 1960</p> <p>General note</p> <p>(6) Comments on the "Big Dive" by R. Dietz to complete J. Piccard's description. (7) "On Big Dive," J. Piccard #2, 4 March. (8) Dive to 37,000 feet, #1, 1960 January 14. (9-10) Tape just before big dive from NGD—first part has pieces from Rex and Drew, 1960 January. Time 00:56:23.</p> <p>Access</p> <p>Original restricted (digital version available).</p>
Box 23, Folder 3	<p>Dictabelts 11-14 - Reformatted undated</p> <p>General note</p> <p>R. Dietz. Time 00:47:31.</p> <p>Access</p> <p>Original restricted (digital version available).</p>

Box 23, Folder 4

Dictabelts 15-18 - Reformatted 1960**General note**

(15-16) Dive #61 - J. Piccard and A. Rechnitzer, depth of 18,000 ft., J. Piccard dictating. (17-18) Dive #64, 24,000 ft., J. Piccard, tapes #1-2. Time 00:40:57.

Access

Original restricted (digital version available).

Box 23, Folder 5

Dictabelts 19-22 - Reformatted 1960 July**General note**

(19-20) Dive log. (21) Dietz on the Bathysonde. (22) From J. Piccard, 1960 July 14. Time 00:54:02.

Access

Original restricted (digital version available).

Box 23, Folder 6

Dictabelts 23-25 - Reformatted undated**General note**

(23-25) Italian dive, R. Dietz, 8 March. Skips/repeats throughout. Actual recording of the dive starts at time 4:00 (the first part records a child singing, nothing to do with the dive). Time 00:39:52.

Access

Original restricted (digital version available).

Box 23, Folder 7

Dictabelts 26-29 - Reformatted undated**General note**

(26-28) Italian dive, R. Dietz. (29) Italy dive with Pollini, J. Piccard #5, March 3. Time 00:54:27.

Access

Original restricted (digital version available).

Box 23, Folder 8

Dictabelts 30-35 - Reformatted undated**General note**

(30-33) J. Piccard, February 27. (34) J. Piccard to R. Dietz. (35) J. Piccard on seepage of Trieste. Time 01:24:29.

Access

Original restricted (digital version available).

Box 23, Folder 9

Dictabelts 36-40 - Reformatted 1960 May 27**General note**

(36-40) Last comments. Time 01:18:14.

Access

Original restricted (digital version available).

Box 23, Folder 10

Dictabelts 41-45 - Reformatted 1960**General note**

(41-42) Neptune. (43) Newton, J. Piccard, March 4. (44-45) Phantom bottom, R. Dietz #1-2, 1960 December 7. Time 01:14:07.

Access

Original restricted (digital version available).

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|-------------------------|--|
| Box 23, Folder 11 | <p>Dictabelts 46-50 - Reformatted undated</p> <p>General note</p> <p>(46) Rechnitzer on 19,000 ft. dive. (47-49) San Diego dives, J. Piccard, March 3. (50) R. Dietz on dives of Trieste off San Diego, 1958-1959 September. Time 01:11:40.</p> <p>Access</p> <p>Original restricted (digital version available).</p> |
| Box 23, Folder 12 | <p>Dictabelts 51-55 - Reformatted undated</p> <p>General note</p> <p>Time 01:59:39. Untitled; no description available.</p> <p>Access</p> <p>Original restricted (digital version available).</p> |
| Box 23, Folder 13 | <p>Dictabelts 56-60 - Reformatted 1960, 1962</p> <p>General note</p> <p>(56) #1 May 25. (57) Untitled, May 26. (58-59) Untitled, 1960 July 4. (60) Untitled, 1962 August 26. Time 01:06:34.</p> <p>Access</p> <p>Original restricted (digital version available).</p> |
| Box 23, Folder 14 | <p>Dictabelts (unnumbered) - Reformatted 1959-1960</p> <p>General note</p> <p>Side A: 1) Big Dive, and 2) 1960 January 14. Side B: "Sample" 1) J. Piccard #1, and 2) Neptune. Time 00:54:27.</p> <p>Access</p> <p>Original restricted (digital version available).</p> |
| Box 23,
Folder 15-28 | <p>Full duplicate set of audiocassettes</p> |
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Dictaphone Belts

- | | |
|------------------|---|
| Box 24, Folder 1 | <p>Dictabelts 1-5 undated</p> <p>General note</p> <p>"The Big Dive" to 37,800 in the Trieste, Jacques Piccard dictating.</p> <p>Access</p> <p>Restrictions Apply</p> |
| Box 24, Folder 2 | <p>Dictabelt 6 undated</p> <p>General note</p> <p>Comments on the "Big Dive" by R. Dietz to complete J. Piccard's description.</p> <p>Access</p> <p>Restrictions Apply</p> |
| Box 24, Folder 3 | <p>Dictabelt 7 undated</p> <p>General note</p> <p>"On Big Dive," J. Piccard #2, 4 March.</p> <p>Access</p> <p>Restrictions Apply</p> |
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Box 24, Folder 4

Dictabelt 8 1960 January 14

General note

Dive to 37,000 feet, #1.

Access

Restrictions Apply

Box 24, Folder 5

Dictabelts 9-10 1960 January

General note

Tape just before big dive from NGD—first part has pieces from Rex and Drew, 1960 January.

Access

Restrictions Apply

Box 24, Folder 6

Dictabelts 11-14 undated

General note

R. Dietz.

Access

Restrictions Apply

Box 24, Folder 7

Dictabelts 15-16 undated

General note

Dive #61 - J. Piccard and A. Rechnitzer, depth of 18,000 ft., J. Piccard dictating.

Access

Restrictions Apply

Box 24, Folder 8

Dictabelts 17-18 undated

General note

Dive #64, 24,000 ft., J. Piccard, tapes #1-2.

Access

Restrictions Apply

Box 24, Folder 9

Dictabelts 19-20 undated

General note

Dive log.

Access

Restrictions Apply

Box 24, Folder 10

Dictabelt 21 undated

General note

Dietz on the Bathysonde.

Access

Restrictions Apply

Box 24, Folder 11

Dictabelt 22 1960 July 14

General note

From J. Piccard.

Access

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Box 24, Folder 12

Dictabelts 23-25 undated**General note**

Italian dive, R. Dietz, 8 March. Actual recording of the dive starts at time 4:00 (the first part records a child singing, nothing to do with the dive).

Access

Restrictions Apply

Box 24, Folder 13

Dictabelts 26-28 undated**General note**

Italian dive, R. Dietz.

Access

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Box 24, Folder 14

Dictabelt 29 undated**General note**

Italy dive with Pollini, J. Piccard #5, March 3.

Access

Restrictions Apply

Box 24, Folder 15

Dictabelts 30-33 undated**General note**

J. Piccard, February 27.

Access

Restrictions Apply

Box 24, Folder 16

Dictabelt 34 undated**General note**

J. Piccard to R. Dietz.

Access

Restrictions Apply

Box 24, Folder 17

Dictabelt 35 undated**General note**

J. Piccard on seepage of Trieste.

Access

Restrictions Apply

Box 24, Folder 18

Dictabelts 36-40 1960 May 27**General note**

Last comments.

Access

Restrictions Apply

Box 24, Folder 19

Dictabelts 41-42 undated**General note**

Neptune.

Access

Restrictions Apply

Box 24, Folder 20

Dictabelt 43 undated

General note

Newton, J. Piccard, March 4.

Access

Restrictions Apply

Box 24, Folder 21

Dictabelts 44-45 1960 December 7

General note

Phantom bottom, R. Dietz #1-2.

Access

Restrictions Apply

Box 24, Folder 22

Dictabelt 46 undated

General note

Rechnitzer on 19,000 ft. dive.

Access

Restrictions Apply

Box 24, Folder 23

Dictabelts 47-49 undated

General note

San Diego dives, J. Piccard, March 3.

Access

Restrictions Apply

Box 24, Folder 24

Dictabelt 50 undated

General note

R. Dietz on dives of Trieste off San Diego, 1958-1959 September.

Access

Restrictions Apply

Box 24, Folder 25

Dictabelts 51-52 undated

General note

Untitled.

Access

Restrictions Apply

Box 24, Folder 26

Dictabelts 53-55 undated

General note

Untitled.

Access

Restrictions Apply

Box 24, Folder 27

Dictabelt 56 undated

General note

#1 May 25.

Access

Restrictions Apply

Box 24, Folder 28

Dictabelt 57 undated

General note

May 26.

Access

Restrictions Apply

Box 24, Folder 29

Dictabelts 58-59 1960 July 4

General note

Untitled.

Access

Restrictions Apply

Box 24, Folder 30

Dictabelt 60 1962 August 26

General note

Untitled.

Access

Restrictions Apply

Box 24, Folder 31

Dictabelt 61 undated

General note

San Diego Tech. Obs., J. Piccard #1, March 4 (sample).

Access

Restrictions Apply

Box 24, Folder 32

Dictabelts 62-65 undated

General note

Big dive story, J. Piccard, February 28.

Access

Restrictions Apply

Box 24, Folder 33

Dictabelts 66-67 undated

General note

Captions, May 11.

Access

Restrictions Apply

Box 24, Folder 34

Dictabelts 68-69 1960 July 20

General note

Deep ships of tomorrow, J. Piccard.

Access

Restrictions Apply

Box 24, Folder 35

Dictabelts 70-74 1960 June 3

General note

Deep ships of tomorrow, J. Piccard.

Access

Restrictions Apply

Box 24, Folder 36

Dictabelts 75-76 1960**General note**

Piccard on deep ships.

Access

Restrictions Apply

Box 24, Folder 37

Dictabelt 77 1960 July 12**General note**

Piccard on difficult years.

Access

Restrictions Apply

Box 24, Folder 38

Dictabelt 78 1960 May 7**General note**

Piccard on difficult years.

Access

Restrictions Apply

Box 24, Folder 39

Dictabelts 79-82 undated**General note**

Trieste, the difficult year.

Access

Restrictions Apply

Box 24, Folder 40

Dictabelts 83-84 undated**General note**

Dives 1953, Letter to Bob [R. Dietz?].

Access

Restrictions Apply

Box 24, Folder 41

Dictabelt 85 undated**General note**

R. Dietz on William Beebe's bathysphere.

Access

Restrictions Apply

Box 24, Folder 42

Dictabelts 86-88 undated**General note**

History of the Trieste (tapes 1-3), R. Dietz and J. Piccard.

Access

Restrictions Apply

Box 24, Folder 43

Dictabelt 89 undated**General note**

Lew on Prof. Henriquez.

Access

Restrictions Apply

Box 24, Folder 44

Dictabelt 90 1960

General note

Letter.

Access

Restrictions Apply

Box 24, Folder 45

Dictabelts 91-92 undated

General note

Letter to A. Rechnitzer, J. D. Walsh (July 15) by J. Piccard.

Access

Restrictions Apply

Box 24, Folder 46

Dictabelts 93-94 undated

General note

Misadventure at Capri, Daily News.

Access

Restrictions Apply

Box 24, Folder 47

Dictabelts 95-96 undated

General note

J. Piccard on Dakar, 1948.

Access

Restrictions Apply

Box 24, Folder 48

Dictabelts 97-99 undated

General note

Pictures for book, J. Piccard, August 8-9.

Access

Restrictions Apply

WRITINGS**Scope and Content of Series**

Series 4) WRITINGS: The WRITINGS series constitutes the bulk of the Dietz papers, with extensive documentation of his publishing and research activities.

Arranged in four subseries: A) ONR Reports and Memoranda, B) Articles, Essays and Presentations, C) Books, D) Notebooks.

A) ONR Reports and Memoranda: Dietz served as a Scientific Liaison Officer at the London Office of Naval Research in the mid-1950s. He authored the reports and memoranda in this series, which cover topics as varied as submersible research, the state of oceanography studies and technologies in different countries, and reports from scientific congresses.

B) Articles, Essays and Presentations: This subseries consists largely of original typescripts and reprints of Dietz's publications, however, it also includes book reviews, speeches, encyclopedia articles, rebuttals, letters to the editor, and articles written for the popular press. Most folders in this subseries include the final publication, often in the form of a signed reprint, though some also include manuscripts, drafts, outlines, supporting research materials, correspondence, original illustrations and line drawings, and photographs. Organized chronologically, with short abstracts and reviews and undated publications condensed at the front of the subseries.

C) Books: Manuscript material produced for three major books (one, *Realms of the Sea*, was never published). *Seven Miles Down* was co-written with Jacques Piccard, and references many of the documents in Series 3) BATHYSCAPH TRIESTE as source material. Dietz's confrontations with creationists over the age of the earth, Noah's ark, science education and other topics led to the publication of his 1987 book, *Creation/Evolution Satiricon: Creationism Bashed*. Additional material in Series 5) SUBJECT AND RESEARCH FILES and other writings in Subseries 4B supplement the topic of Dietz's public intellectual disputes with creationists.

D) Notebooks: Notebooks on a variety of topics, including conference attendance and research ideas. Arranged in approximate chronological order.

ONR Reports and Memoranda

Box 5, Folder 10	ONRL-85-54 Oceanography at Hamburg, Germany, and in Scandinavia 1954 September 27
Box 5, Folder 11	ONRL-110-54 Oceanography in Japan 1954 December 3, 1960 General note Includes a supplemental 1960 report by Kazuhiko Terada on the same topic.
Box 5, Folder 12	ONRL-6-55 Post war German oceanography 1955 February 3
Box 5, Folder 13	ONRL-10-55 Oceanography on the Iberian Peninsula 1955 February 21
Box 5, Folder 14	ONRL-10-55 Related memo on Strait of Gibraltar and Italian submarines during WWII 1956 February 21
Box 5, Folder 15	ONRL-16-55 Oceanography at Marine Laboratory, Aberdeen, and Oceanographic Laboratory, Edinburgh 1957 February 28
Box 5, Folder 16	ONRL-33-55 Limnology and bottom sediments of Swiss Lakes 1955 April 22
Box 5, Folder 17	ONRL-40-55 Geological oceanography in France 1955 May 16
Box 5, Folder 18	ONRL-55-55 Recent developments in scuba diving in Europe 1955 June 30
Box 5, Folder 19	ONRL-71-55 Bathyscaphe Trieste 1955 August 10
Box 5, Folder 20	ONRL-91-55 USSR program in oceanography for the International Geophysical Year 1955 September 28
Box 5, Folder 21	ONRL-95-55 Calypso Oceanographic Expedition to the Eastern Mediterranean; Marine science in Turkey and Greece 1955 October 11
Box 5, Folder 22	ONRL-96-55 Cooperative research with French submarine geologists (May-June 1955); Beach studies and Elie Monnier cruise 1956 October 11
Box 5, Folder 23	ONRL-123-55 Oceanographic developments at the International Council for the Exploration of the Sea 1955 meeting 1955 December 5
Box 5, Folder 24	ONRL-4-56 Hydraulics Research Station, Wallingford, England 1955 December 1

Box 5, Folder 25	ONRL-14-56 Marine Sciences in Egypt with notes on Geology and Geophysics 1956 February 6
Box 5, Folder 26	ONRL-23-56 Oceanographic and Geophysics Institutes, Trieste, Italy 1956 April 3
Box 5, Folder 27	ONRL-47-56 Earth Sciences in Ireland with notes on Marine Biology 1956 May 17
Box 5, Folder 28	ONRL-64-56 Some German oceanographic and geophysical developments 1956 July 17
Box 5, Folder 29	ONRL-98-56 Meeting of the 13th International Limnological Congress with notes on Finnish and Russian Oceanography 1956 October 17
Box 5, Folder 30	ONRL-116-56 Notes on French Oceanography and diving 1956 November 23
Box 5, Folder 31	ONRL-7-57 International Conference on Rock Magnetism, London 1957 January 10
Box 5, Folder 32	ONRL-51-57 Meeting of the German Geological Association; Marine Geology in Germany and Holland 1957 May 7
Box 5, Folder 33	ONRL-112-57 Oceanography along the French Mediterranean and at Monaco 1957 September 11
Box 5, Folder 34	ONRL-117-57 National Institute of Oceanography, Great Britain 1957 October 4
Box 5, Folder 35	ONRL-31-58 Oceanography and tidal studies at Liverpool 1958 April 8
Box 5, Folder 36	ONRL-47-58 French colloquium on the Topography and Geology of the Deep Sea Floor 1958 June 9
Box 5, Folder 37	ONRL-59-58 Fifth International Sedimentology Congress 1958 July 25
	Technical Memoranda
Box 6, Folder 1	Technical memoranda list 1954-1956
Box 6, Folder 2	Russian drifting ice scientific station in the Arctic Basin 1954 September 1
Box 6, Folder 3	Principles of measuring ocean currents by Bohnecke 1955 January 26
Box 6, Folder 4	Russian survey of the Kurile Trench 1955 February 2
Box 6, Folder 5	Sea ice reporting and prediction in Europe 1955 March 4
Box 6, Folder 6	Program to measure deep ocean currents at NIO 1955 March 9
Box 6, Folder 7	Russian trip report of Brian Roberts and Terrence Armstrong of the Scott Polar Research Institute 1956 November 1

Articles, Essays and Presentations

Box 6, Folder 8	Abstracts undated
Box 6, Folder 9-12	Abstracts, reviews and short papers 1938, 1964-1974
Box 6, Folder 13	Berkeley lecture on Pacific Basin undated
Box 6, Folder 14	Continental Margins: Historical Review undated
Box 6, Folder 15	Geological Oceanography undated
Box 6, Folder 16	Meteorite Craters undated
Box 6, Folder 17	Seeing the Ocean Floor undated
Box 6, Folder 18	Untitled manuscript undated
	General note
	Topics include swings of sea level, emperor sea mounts, and turbidity currents.
Box 6, Folder 19	Shepard, F.P. and R. Dietz. The Emergence of (Santa) Catalina Island. American Journal of Science 1939
Box 6, Folder 20	Shepard, F. P., Roger Revelle and R. Dietz. Ocean-bottom Currents off the California Coast. Science 1939
Box 6, Folder 21	Clay Minerals in Recent Marine Sediments. University of Illinois Ph.D. thesis 1941
Box 6, Folder 22	Dietz, R., K. O. Emery and F. P. Shepard. Phosphorite Deposits on the Sea Floor off Southern California. Bulletin Geological Society of America 1942
Box 6, Folder 23	The Small Mounds of the Gulf Coastal Plain. Science 1945
Box 6, Folder 24	Geological Structures Possibly Related to Lunar Craters. Popular Astronomy 1946
Box 6, Folder 25	The Meteoric Impact Origin of the Moon's Surface Features. Journal of Geology 1946
Box 6, Folder 26	Meteorite Impact Suggested by the Orientation of Shatter-cones at the Kentland, Indiana, Disturbance. Science 1947
Box 6, Folder 27	Aerial Photographs in the Geological Study of Shore Features and Processes. Photogrammetric Engineering 1947

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- Box 6, Folder 28 **Antarctic 'Seeing.' Popular Astronomy 1948**
- Box 6, Folder 29 **Final report: Some Oceanographic Observations on Operation HIGHJUMP. U.S. Navy Electronics Lab (NEL) Report 55 1948**
- Box 6, Folder 30 **Some Pacific and Antarctic Sea-floor Features Discovered during the U.S. Navy Antarctic Expedition 1946-1947. Proceedings 7th Pacific Science Congress**
- Box 7, Folder 1 **Lafond, E. C., R. Dietz and D. W. Pritchard. Interim report: Oceanographic Measurements from the USS Nereus on a Cruise to the Bering and Chukchi Seas, 1947. U.S. Navy Electronics Lab (NEL) Report 91 1949**
- Box 7, Folder 2 **Grim, R., R. Dietz, and W. F. Bradley. Clay Mineral Composition of Some Sediments from the Pacific Ocean off the California Coast and the Gulf of California. Bulletin Geological Society of America 1949**
- Box 7, Folder 3 **R. Dietz and E. C. LaFond. Natural Slicks on the Ocean. U.S. Navy Electronics Lab (NEL) Report 160 1950**
- Box 7, Folder 4 **Emery, K. O. and R. Dietz. Submarine Phosphorite Deposits off California and Mexico. California Journal of Mines and Geology 1950**
- Box 7, Folder 5 **E. C. Buffington, A. J. Carsola and R. Dietz. Oceanographic Cruise to the Bering and Chukchi Seas, Summer 1949. Part 1: Sea Floor Studies. U.S. Navy Electronics Lab (NEL) Report 204 1950**
- Box 7, Folder 6 **LaFond, E.C., R. Dietz and J. A. Knauss. A Sonic Device for Underwater Sediment Surveys. Journal of Sedimentary Petroleum 1950**
- Box 7, Folder 7 **Menard, H. and R. Dietz. Submarine Geology of the Gulf of Alaska. Bulletin of the Geological Society of America 1951**
- Box 7, Folder 8 **Dietz, R. and H. Menard. Origin of Abrupt Change in Slope at Continental Shelf Margin. Bulletin American Association of Petroleum Geology 1951**
- Box 7, Folder 9 **Substrata Acoustic Probe. NEL memoranda 1951-1958**
- General note**
- Memoranda on bottom sediment types using fathometers and acoustic penetration.
- Box 7, Folder 10 **The Pacific Floor. Scientific American 1952**
- Box 7, Folder 11 **Menard, H. and R. Dietz. Mendocino Submarine Escarpment. Journal of Geology 1952**
- Box 7, Folder 12 **Carsola, A. and R. Dietz. Submarine Geology of Two Flat-topped Northeast Pacific Seamounts. American Journal of Science 1952**
- Box 7, Folder 13 **Geomorphic Evolution of Continental Terrace (Continental Shelf and Slope). Bulletin American Association of Petroleum Geology 1952**
- Box 7, Folder 14 **Boquerón. Pacific Discovery 1953**
- Box 7, Folder 15 **Possible Deep-Sea Turbidity Current Channels in the Indian Ocean. Bulletin Geological Society of America 1953**
- Box 7, Folder 16 **Sound in the Sea. Asahi Kagaku 1953**
- Box 7, Folder 17 **Dietz, R. and H. Menard. Hawaiian Swell, Deep, and Arch, and Subsidence of the Hawaiian Islands. Journal of Geology 1953**
- Box 7, Folder 18 **Dietz, R. and M. J. Sheehy. Trans-Pacific Detection by Underwater Sound of Myojin Volcanic Eruptions. Oceanographic Society of Japan Journal 1953**
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- Box 7, Folder 21 **Dill, R., R. Dietz and Harris Stewart. Deep-Sea Channels and Delta of the Monterey Submarine Canyon. Bulletin Geological Society of America 1954**
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- Box 7, Folder 24 **Marine Geology of Northwest Pacific: Description of Japanese Bathymetric Chart 6901. Bulletin Geological Society of America 1954**
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- Box 7, Folder 26 **Bradner, Hugh and R. Dietz. Recent Developments in Scuba Diving in Europe. Office of Naval Research, London 1955**
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Box 7, Folder 27-30	Arctic Basin Geomorphology 1955-1961 General note Includes a folder on Ice island T-3 and Arctic/Hudson Bay sounding data.
Box 7, Folder 31	Salient Problems of the Continental Terrace. Proceedings 8th Pacific Science Congress 1956
Box 8, Folder 1	Richards A. F. and R. Dietz. Eruption of Boquerón Volcano, San Benedicto Island, Mexico. Proceedings 8th Pacific Science Congress 1956
Box 8, Folder 2	Piccard, Jacques and R. Dietz. Oceanographic Observations by the Bathyscaph Trieste (1953-1956). Deep-Sea Research 1957
Box 8, Folder 3	Deep-Sea Diving by Bathyscaph, Times Science Review (London) 1957
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Box 8, Folder 5	Dietz, R., Russell Lewis, and A. Rehnitzer. The Bathyscaph. Scientific American 1958
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Box 8, Folder 9	Shatter Cones in Cryptoexplosion Structures (Meteorite Impact?). Journal of Geology 1959
Box 8, Folder 10	Meteorite Impact Suggested by Shatter Cones in Rock. Science 1960
Box 8, Folder 11	Bathyscaphs and Other Deep Submersibles for Oceanographic Research 1960, 1965
Box 8, Folder 12	The Spreading Ocean Floor - Typescript draft for Saturday Evening Post "Adventures of the Mind" series 1960-1961
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Box 8, Folder 21	Ocean Basin Evolution by Sea Floor Spreading. From Continental Drift, International Geophysics Series 3, Chapter 10 1962
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Box 9, Folder 7-8	To Question Marine Profile of Equilibrium, Wave-Base and Wave-Built Terraces; with reply 1963-1964
Box 22, Folder 10	Do Tektites Come from the Earth or the Moon? The New Scientist 1964
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Box 9, Folder 12-13	Pan-Pacific Chilean Tsunami of May 1960 at San Diego and Environs - Manuscript, notes and photographs of San Diego harbor 1964
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Box 9, Folder 16	Dietz, R. and M. J. Sheehy. Transpacific Detection of Myojin Volcanic Explosions by Underwater Sound. Bulletin Geological Society of America 1964
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	General note
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Box 10, Folder 8	Passive Continents, Spreading Sea Floors, and Collapsing Continental Rises (and reply). American Journal of Science 1966
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- Box 11, Folder 3 **Mineral Resources and Power from the Sea (Vast, Vital, Virtually Untapped) 1968**
- Box 11, Folder 4 **Reply to A. A. Meyerhoff's 'Arthur Holmes: Originator of Spreading Sea Floor Hypothesis.' Journal of Geophysics Research 1968**
- Box 11, Folder 5 **Sproll, Walter and R. Dietz. Morphologic Continent Drift Fit of Australia and Antarctica. Nature 1968**
- Box 11, Folder 6 **Dietz, R. and H. J. Knebel. Survey of Ross's Original Deep Sea Sounding Site. Nature 1968**
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- Box 11, Folder 7 **Shatter Cones and Star Wounds. New Scientist 1968**
- Box 11, Folder 8 **Dietz, R., H. Knebel and L. Somers. Cayar Submarine Canyon. Bulletin Geological Society of America 1968**
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- Box 11, Folder 10 **Wave Base. Encyclopedia of Geomorphology 1968**
- Box 11, Folder 11 **Dietz, R. and R. Dill. Down Into the Sea in Ships. Sea Frontiers and Nautilus 1969, 1972**
- Box 11, Folder 12 **Fratture conoidi e ferite stellari. Sapere 1969**
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- Box 12, Folder 3 **Von der Borch, C. C., J. R. Conolly, and R. Dietz. Sedimentation and Structure of the Continental Margin in the Vicinity of the Otway Basin, Southern Australia. Marine Geology 1970**
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- Box 12, Folder 6 **Dietz, R. and W. Sproll. East Canary Island as a Microcontinent within the Africa-North America Continental Drift Fit. Nature 1970**
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- Box 12, Folder 9 **Dietz, R. and W. Sproll. Overlaps and Underlaps in the North America to Africa Continental Drift Fit 1970**
- Box 12, Folder 10 **Dietz, R. and H. Knebel. Sea Level, Ocean Depth, and Continental Thickness 1970**
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General note
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- Box 12, Folder 12 **Dietz, R. and J. Holden. Pre-Mesozoic Oceanic Crust in the Eastern Indian Ocean (Wharton Basin). Nature 1970**
- Box 12, Folder 13 **Sudbury Astrobleme, Splash Emplaced Sublayer and Possible Cosmogenic Ores 1971**
General note
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- Box 12, Folder 15 **Those Shifty Continents. Sea Frontiers 1971**
- Box 12, Folder 16 **PC-8 Dive #238 in New Providence Channel (not published) 1971**
- Box 12, Folder 17 **Dietz, R. and K. O. Emery. Portrait of a Scientist: Francis Parker Shepard. Earth Science Review/Atlas 1971**
- Box 12, Folder 18 **Dietz, R. and H. Knebel. Trou Sans Fond Submarine Canyon: Ivory Coast, Africa. Deep Sea Research 1971**
- Box 12, Folder 19 **Ocean Basins. Encyclopedia Britannica 1972**
- Box 12, Folder 20 **Galapagos Gore NazCoPac Triple Junction and Carnegie/Cocos Ridges. Nature 1972**
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- Box 13, Folder 3 **Plate Tectonics, Sea Floor Spreading, and Continental Drift. Journal of College Science Teaching 1972, 1974**
General note
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- Box 13, Folder 4 **A Question of Priority (letter to the editor, and response). Geotimes 1972**
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- Box 13, Folder 13 **Freeland, G. L. and Dietz, R. Rotation History of Alaskan Tectonic Blocks. Tectonophysics 1973**
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Box 13, Folder 19	Dietz, R. and J. McHone. Kaaba Stone: Not a Meteorite, Probably an Agate. Meteoritics 1974
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	General note
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Box 14, Folder 17	Desiccated-Basin Model for Mediterranean (assorted writings) 1989
Box 14, Folder 18	Age of Rocks or Rocks of Ages? 1990
	General note
	Draft article for <i>Geotimes</i> on the International Conference on Creationism (ICC).

Box 14, Folder 19	The Demise of the Dinosaurs: A Mystery Solved? Astronomy 1991 General note Article about the K/T boundary collide impact.
Box 14, Folder 20	Are We Mining an Asteroid? Article on Sudbury Basin 1991
Box 14, Folder 21	Beaverhead Astrobleme 1991
Box 14, Folder 22	Review of <i>Challenger at Sea: A Ship that Revolutionized Earth Science</i> by Kenneth Hsu. American Journal of Science 1992
Box 14, Folder 23	Sydney Chapman Memorial Lecture, University of Alaska Fairbanks 1992
Box 14, Folder 24	Earth, Sea, and Sky: Life and Times of a Journeyman Geologist. Annual Review of Earth and Planetary Science 1993 General note Dietz's biographical reminisces on his research career and personal philosophies.
Box 14, Folder 25	Z.E.U.S.: Recipe for Man's Survival in the 21st Century. ASU Geology Colloquium 1993
Box 14, Folder 26-28	Ark-eology: The Incredulous Discovery of Noah's Ark - Draft and notes for <i>Geotimes</i> (1993) 1985-1994 General note Includes a folder of correspondence and press clippings relating to Dietz's response to the CBS special on Noah's ark.

Books

Box 22, Folder 11	Seven Miles Down: The Story of the Bathyscaph Trieste (1961)
Box 15, Folder 1-3	Publishing contract 1960 April 13
Box 15, Folder 4	Correspondence 1960-1962
Box 15,	Notes and outlines
Folder 5-11	Drafts and revisions
Box 15, Folder 12	Realms of the Sea (unpublished) 1957-1970
Box 15, Folder 13	Introduction
Box 16, Folder 1-3	Chapter 1 - Geology
Box 16, Folder 4-7	Chapter 1 - Bathymetry, ancient islands, origin and geology
Box 16,	Chapter 2 - Biology, continental drift, sea level spreading, currents and acoustics
Folder 8-10	Chapter 3 - Continental margins and physical oceanography
Box 17, Folder 1-2	Chapter 5 - Ocean basins and sediments
Box 17, Folder 3	Chapters 7-8 - Resources and physical oceanography
Box 17, Folder 4	Chapters 9-10 - Deep scattering layer
Box 17, Folder 5-7	Creation/Evolution Satiricon: Creationism Bashed (1987)
Box 17, Folder 8	Notes and outlines
Box 17, Folder 9	Correspondence 1987
Box 17,	Photocopies of annotations in Bible
Folder 10-13	Typescript manuscript 1984-1985
Box 18, Folder 1-4	Typescript manuscript 1987
Box 18, Folder 5	Notebooks
Box 18, Folder 6	Notes undated
Box 18, Folder 7	Cuba undated
Box 18, Folder 8	IGC undated
Box 18, Folder 9	USSR oceanography delegation visit to US 1965 October
Box 18, Folder 10	Taiwan/Israel 1983-1983
	Vadimecum Satiricon II 1987 September-December

Box 18, Folder 11
 Box 18, Folder 12
 Box 18, Folder 13
 Box 18, Folder 14
 Box 18, Folder 15
 Box 19, Folder 1
 Box 19, Folder 2

Notes 1987-1988
Meusa/Portugal 1988
Meteoritical Society/ICR short course/Earthquakes 1988
GSA 1988 November
AGU 1988 December
GSA/Notes on creation and evolution 1989-1990
Notes 1990

General note

Topics as follows: 1. Notes, 2. LPSC Houston, 3. China trip, 3A. Indian Ocean PT for ODP Germany, 4. Amber from petrified forest, 5. Organic matter K/T, 6. Amber, 7. Carlisle K/T boundary, 8. Basalt plateaus.

Box 19, Folder 3

International Conference on Creationism (Pittsburg)/GSA 1990-1993
SUBJECT AND RESEARCH FILES

Scope and Content of Series

Series 5) SUBJECT AND RESEARCH FILES: Assorted files documenting Dietz's research interests over time, though they are not exhaustive or necessarily representative of original scientific research. Major themes include Soviet oceanography, creationism, continental drift, geomorphology, meteor impact craters, the Sudbury basin, and important single folders on Project Mohole and Francis P. Shepard.

Box 22, Folder 13
 Oversize FB-549,
 Folder 14
 Box 19, Folder 4
 Box 19, Folder 5
 Box 19, Folder 6

Arctic cruise 1961

Arctic cruise - Nautilus track graph data 1961

Arizona - State rock and fossil (petrified wood) proposals

Arizona State University, Museum of Geology - Petrified wood installation 1990-1994

Bahama Nexxus (BNX) 1982-1987

General note

Includes slides of Dietz.

Box 19,
 Folder 7-15

Barringer Crater Company 1961-1975

General note

Includes extensive correspondence.

Box 20, Folder 1
 Box 20, Folder 2
 Box 20, Folder 3-4
 Box 20, Folder 5
 Box 20, Folder 6
 Box 20, Folder 7
 Box 20, Folder 8

Barringer meteor crater - Composite bibliography 1969

Dietz Guyot

Earthquakes - Notes 1985-1986

Fossilized egg 1980-1983

Historical recognition of astroblemes - Notes for GSA 1994

HMS Affray wreck - Photographs 1951

Hudson Bay and Nastapoka Arc 1972

General note

Includes detailed letter describing 11-day expedition by J. Paul Barringer; memoranda about a possible impact site in Canada.

Box 20,
 Folder 9-10

International Conference on Creationism, Pittsburgh 1990

General note

Includes papers and abstracts. Used as a topic for Dietz's writings discrediting creationist "science."

Box 20, Folder 11

K/T impact crater and dinosaur demise ca. 1990

General note

Includes photo of Dietz with John F. McHone.

Box 20, Folder 12

Meteor craters 1964-1965

Box 20, Folder 13 Box 21, Folder 1	<p>Nekton, Inc. 1956-1984 Operation Highjump, Navy/Byrd Antarctic Expedition 1947 General note Includes photographs and a letter by Dietz.</p>
Box 21, Folder 2	<p>Project Mohole - Post-mortem file 1960-1962, 1989 General note Includes a 1989 "historical note" memo by Dietz explaining his opposition to the Mohole research, and notes from the National Academy of Sciences-National Research Council, Committee on Oceanography, from 1961 April.</p>
Box 21, Folder 3 Box 21, Folder 4 Box 21, Folder 5	<p>Project Mohole - Clippings 1960-1968 RUM vehicle undated Shepard, Francis P. 1985-1993 General note Extensive biographical file, including photographs and recollections of Shepard prepared for his memorial service.</p>
Box 21, Folder 6-9	<p>Soviet (USSR) astroblemes and meteorite research 1972-1979 General note Includes Russian reprints, papers on the Zhamanshin crater, and correspondence from P. V. Florensky.</p>
Box 21, Folder 10	<p>Soviet (USSR) oceanography research 1959-1965 General note Includes photographs of Russian oceanographers and research centers.</p>
Box 21, Folder 11 Box 21, Folder 12-13 Box 22, Folder 1-4	<p>Spokane, WA historic floods 1993 Sudbury Basin 1962-1987 Sudbury Basin 1962-1987 General note Includes photographs.</p>
Box 22, Folder 5 Box 22, Folder 6 Box 22, Folder 7 Box 22, Folder 8	<p>Sudbury Conference on Large Meteorite Impacts and Planetary Evolution 1992 Triton consulting 1968-1968 Trou Sans Fond submarine canyon - Correspondence and data 1958-1968 U.S. Navy Electronics Lab photographs ca. 1950-1970 General note Assorted black and white prints, mostly 8x10, of coastlines, specimens, figures and underwater research. May include some photographs by Dietz.</p>