

Accession No.: 95-24

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Peterson, Melvin Norman Adolph 1929-1995

Melvin Norman Adolph Peterson Papers, 1959-1995

PHYSICAL DESCRIPTION: 17 record center cartons; slides

ARRANGEMENT: Collection is organized into two series: Melvin N.A. Peterson Series, and Deep Sea Drilling Project Series.

DESCRIPTION: The Melvin N.A. Peterson Papers consist of two series: the Peterson series which includes material dated before and after Peterson's work on the Deep Sea Drilling Project and the Deep Sea Drilling Project Series which consists of papers generated during his years with the project.

The Peterson series includes biographical information, correspondence dated 1959-1991, notes and manuscripts for Peterson's published scientific papers; research notes and laboratory notebooks, files documenting Peterson's work as President of the Pacific Research Foundation, subject files including extensive material on Arctic drilling projects and a few files documenting Peterson's position as chief scientist for the National Oceanic and Atmospheric Administration.

The Deep Sea Drilling Project Series includes copies of evaluations of DSDP conducted by NSF contractors and reports by DSDP subcontractors. It includes copies of some DSDP contracts, DSDP program plans dated 1967-1987, information on DSDP personnel, including cruise rosters, DSDP Annual Program Reviews dated 1971-1977, monthly reports dated 1968-1987, DSDP Press Releases and reprints, slides and GLOMAR CHALLENGER demobilization plans. Some of these records duplicate archival records of the Deep Sea Drilling Project as Peterson was undertaking research on a history of the Project at the time of his death. The DSDP series includes films. Several copies of "That Very Special Ship" and film footage of DSDP work at sea are included in the series.

Deep Sea Drilling Project; Geology--Arctic Ocean; Glomar Challenger (Ship); Glomar Explorer (Ship); Oceanography--Arctic Ocean; Oceanography--History; Joint Oceanographic Institutions Incorporated; Pacific Research Foundation; United States National Oceanic and Atmospheric Administration

MELVIN NORMAN ADOLPH PETERSON
Papers, 1959-1995
Accession Number: 95-24

BOX

FOLDER TITLE

MELVIN NORMAN ADOLPH PETERSON (MNAP) SERIES
BIOGRAPHICAL INFORMATION FILES

MNAP

1 Academic Archives
1960-1969

1969

1970-1971

Bio-Bibliography, 1950-1972

MNAP

Biography and Photos
1965-1967

1968-1970

1973-1981

Employment, 1965-1987

Certificates/Licenses, 1969-1981

Conflict of Interest Statement (Form 730), 1984-1987

MNAP

Personal
1966-1970

1971-1985

School and Community Services
1962-1969

1970

BOX

FOLDER TITLE

MNAP (cont.)

1 Personal (cont.)
 1971-1982

CORRESPONDENCE FILES

Correspondence

1959

1960

1961

1962

1963

1964

1965

1966

1967

January-May

June-December

1968

1979

1980

1984

July

August

September-November

December

1985

BOX**FOLDER TITLE****CORRESPONDENCE FILES (cont.)**

Correspondence (cont.)

1

1986

Arctic File-IUGS Related Correspondence, Commission for Marine Geology,
International Lithosphere

Correspondence

32L

October 30, 1986

1

1987

1988

1989

1990

1991

Letters of Recommendation

1972

1973-1984

Correspondence Log

1977-1984

1975-1984

BOX**FOLDER TITLE****MANUSCRIPTS OF PAPERS FILES**

- 1 Evaporite Assemblage, Peterson
- Sedimentary Profile N. Atlantic, Peterson-EDG, JJG, MK
- Strontium Isotopic Analysis, Peterson,-Pushkar
- Chloritic Clay Mineral, Peterson, 1960
- Cumberland Plateau
 Peterson, 1960 J. Geol 12/28
- Peterson, GSA Denver, 10/31/60
- 2 Feldspar Distribution, Peterson-Goldberg, 1962
- Magnetic Mineral, Peterson-Harrison, 1963
- Volcanism & Clay Minerals in Se Pac., Peterson-Griffin, 1963
- Growth of Dolomite Crystals, Peterson-von derBorch, Bien, 1965 (2)
- Inorganic Chert, Peterson-von der Borch, 1965
- Calcite: Rates of Dissolution, Peterson 1966
- Pacific Ocean Sediments, Fairbridge, Editor, 1966
- Dolomite Sediments, Peterson, 1967
- Hydrotherm. Emanation, Bostrom-Peterson, 1967-1969
- Requests for Reprints
- Reprints
- 1962-1963
- 1964-1965
- 1966-1967
- 1968
- 1969

BOX**FOLDER TITLE****MANUSCRIPTS OF PAPERS FILES (cont.)**

Reprints (cont.)

2

1970

1971-1972

1974

Contract-McGraw Hill Intro to the Ocean Science Publication, 1967, 1974

PAPERS BY OTHERS FILES

[Papers by Others]

Ryan and Ewing, "Hydrocarbon Resources of the Ocean Basin Margins," February 20, 1974 (2)

RESEARCH NOTEBOOKS FILES

[Notes, n.d.] (2)

[Notes, 1959]

Notes, 7/28/88

Lab Work [Notebook]: Progressive Leach Experiments on Dolomite, "Amphistrite," Interstit. Soln., Analysis

Cruise Info, Spheres Notebook

Fe-Mn Nodule, Diagrams of Samples Notebook [i.e. Lecture Notes, Environmental Science I: The Oceans, 1967]

Ocean Margin Program Data, R. Bower, E. Dean, Notebook [1977-1978]

Ocean Margin Program, Procurement Plan, Notebook [1975-1978]

AAAS PACIFIC RESEARCH FOUNDATION FILES

Arctic Drilling-Pacific Research Foundation, 1986

Arctic Research-Correspondence-Pacific Research Foundation, 1986-1987

AAAS Pacific Research Foundation, 1986

Brochure Development/Write Ups, Pacific Research Foundation
1984

BOX**FOLDER TITLE****AAAS PACIFIC RESEARCH FOUNDATION (cont.)**

- 2 Brochure Development/Write Ups, Pacific Research Foundation (cont.)
1985-1986
- 3 China-Pacific Research Foundation
1983-1984
- January-May 1985
- June 1985-1986
- Chinese Photographs, n.d.
- Climate and Infrastructure-Pacific Research Foundation 1982-1983
- Climate and Ocean Studies-Pacific Research Foundation, n.d.
- Finance and Business Plans, Pacific Research Foundation, 1985
- Gray Whales in Western Pacific-Pacific Research Foundation, 1981-1982
- Hawaii Kai-Pacific Research Foundation, 1985-1986
- Hawaii Photographs, 1985
- Honolulu and Hawaii-Community Pacific Research Foundation, 1985
- History of Pacific Research Foundation, 1986
- Japanese Photographs, 1984
- Kaiser Development Company-Oakland Kaiser Aluminum and Chemical Corporation, Pacific Research Foundation
- Korea and Malaysia, Pacific Research Foundation, 1985
- Legislative Leaders Foundation, Pacific Research Foundation, 1985
- PRF Letterhead Examples
- Memorandum of Understanding
1985, Pacific Research Foundation
- PRA/PRF-Pacific Research Foundation, 1986

BOX**FOLDER TITLE****AAAS PACIFIC RESEARCH FOUNDATION (cont.)**

Memorandum of Understanding (cont.)

3

PRA Pacific Research Foundation, 1986

Miscellaneous, Pacific Research Foundation, 1985

Miscellaneous-University of California, AAAS Pacific Research Foundation, 1984-1986

Moored Platform Pacific Research Foundation, 1983-1986

Oceanic Institute-Makapuu Pt. [Hawaii] Pacific Research Foundation, 1985

Packet of Information/PRF Ideas-Pacific Research Foundation, 1986

Prospectus, Background, etc., Pacific Research Foundation, 1986

[Pacific Research Foundation] Time Line Historical Science, 1985

SUBJECT FILES

Workshop on Arctic Drilling Technology, Bedford Institute of Oceanography, 1986

Arctic Drilling [Polar Research Board Meeting 16-18 Oct. 1986]

[Arctic] Strasbourg-COSOD II 7/6-8/87

April 14, 1988-1:30 pm NSF, Rm. 510 Bob Correll w/ Debrief on Stockholm Meeting-Arctic Ocean/Atmosphere Subgroup

[Arctic] Ocean/Atmosphere Working Group, 1989

June 2, 1988, 9-11 am NSF, Rm 510, Arctic Oceans/Atmosphere Group

Scientific Drilling in the Arctic Ocean: Planning for the 90's, June 23-24, 1988, Ottawa

International Arctic Science Committee, 1988

Arctic Research Consortium
1988

1988-1989

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

3

[Arctic Research] Quaternary Working Groups, c1989

Arctic Ocean Sciences Board, 1989

[Workshop on Arctic Processes and Global Change, July 16, 1989]

[Arctic Ocean Drilling Program Seminar, Moscow, 1989]

Interagency Arctic Research Policy Committee Meeting, NSF, June 1, 1989

Nansen Arctic Ocean Drilling Committee, 1989

Arctic Workshop, Woods Hole, September 1989

Arctic Information (General)

n.d.

January-September, 1988

October-December, 1988

1989

Arctic Drilling-Giant Piston Cores and Downhole Equipment, Deep Ocean Rock Core, 1977, 1984

Arctic Drilling

1980

1981

1983 (2)

1984 (2)

1985

Arctic Drilling Proposal and Background

n.d.

October 1986

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

- 3 Arctic Drilling Proposal and Background (cont.)
1987
- [Arctic Drilling Study], 1986
- Arctic Drilling, 1987
- [Arctic Research Notes]
n.d.
- c1984
- 4 Arctic Drilling-Division of Polar Programs/Arctic, 1986
- [Arctic] Division of Polar Programs [NSF], 1987
- [Arctic Ocean] Peterson's Viewgraphs, n.d.
- [Arctic Ocean Drilling Program, n.d.]
- [Arctic Ocean Drilling Program]
- [Ocean Drilling Program Notes, n.d.]
- [Arctic Ocean Drilling Program, Global Marine]
- [Arctic Ocean Drilling Program]
1986
- 1987
- 1987-1988
- 1988 (2)
- 1989
- U.S. Arctic Research Plan, 1989
- [Arctic Research Transparencies, n.d.]
- Arctic Study Overview, n.d.

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

4

AUGER-Association of Universities for Global Environmental Research, 1988

Deep Water Platform, 1985

MNAP Equipment, Guarantees, Price Lists, etc.

Expedition-SIO Blue Flash, May 1963

Ice Buoy Program & Ice Motion, Compression, etc.

Japan-Pacific Research Foundation, 1984-1987

Japanese National Committee for ECOR, 1987

JOIDES Executive Committee and ODP Council Meeting, Texas A&M, April 28-29, 1989

Ground Water Subcommittee, 1989

MITI Mission on Cobalt-Rich Manganese Crust, (1986- 10-11)

NASCO X-Ray Diffraction Techniques, 1962-1964

[Eileen Shea, "A History of NOAA," 1987]

[NOAA]

1987

1989 (2)

NOAA Arctic Meeting Workshop, 1988

5

Time Capsule Information-NOAA in 2013, 1988

Patent Application Ultrasonic Sieving, Pat No. 3, 305, 481
1964-1965

1966-1970

Hydrate/Patent Claim
1976

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

5 Hydrate/Patent Claim (cont.)
1982

1983-1985

NONR-2216 (23) "Long-Term Exposure Studies and Reactions"
1963-1967

1968-1970

NSF-GL 489 UCSD-1044 "Geochemistry of Marine Diagenesis and a Study of
Marine Volcanism," 1962-1967

NSF-GL 2965 UCSD-1295 "Interactions between Oceanic Fracture Zones
and Deep Sea Fans," 1964, 1967

ACS PRF 2068-A2 1st Dolomite Proposal UCSD 1313 "Recently
Precipitated Dolomites, 1964-1969

ACS PRF 2068-A2 2nd Dolomite Proposal UCSD-1605 "Recently
Precipitated Dolomites and Associated Numerals"
1965-1966

1967-1970

UCSD 2095 NSF "Rates of Dissolution of Calcium Carbonate in
Oceanic Water Masses," 1967

MNAP Teaching Memos, 1968-1969

Student-Heath, Ross, 1964-1970

MNAP-NTE Course "Continents Adrift," 1974

Slides, 1968

DEEP SEA DRILLING PROJECT (DSDP) SERIES**PROPOSALS AND REPORTS FILES**

Alan C. McClure Associates, Inc. Study of Seakeeping and
Stationkeeping Requirements, July 18, 1980

BOX

FOLDER TITLE

DEEP SEA DRILLING PROJECT (DSDP) SERIES (cont.)

PROPOSALS AND REPORTS FILES (cont.)

- 5 Blue Sea Corporation, Evaluation of the Western Pacesetter III as a Deep Relocatable Island, June 1988
- Donhaiser Marine, Inc.
"Glomar Explorer" Modifications and Marine Riser Development, November 1978
- "Glomar Explorer" Operations Analysis, October 1979 (2)
- Donhaiser, McClure and Associates, Appendix B, Oceanographic and Meteorological Data
- Eaton Industries
Appendix to Task 81-203-5
- Unique Drilling Problems Studies, May 1, 1981
- Simulations in Deep Water Well Control, October 1982
- Papers Pertaining to the Advanced Ocean Drilling Program, December 1981
- Unique Drilling Problems, December 1982
- Engineering Drilling and Engineering Consultants, OMDP Task 1
Work 1.3, February 28, 1980
- Work 1.4, February 28, 1980
- Work 1.5, February 28, 1980
- Global Marine Technical Proposal, n.d.
[Proposal and Budget, 1981]
- Global Marine, Glomar Explorer: Technical Description and Specification
- 6 Global Marine Proposals
1976
- 1977

BOX**FOLDER TITLES****PROPOSALS AND REPORTS (cont.)**

6 Global Marine, Glomar Explorer Ice Navigation Study, February 28, 1977

Global Marine, Conversion of Glomar Explorer
v. I, February 28, 1977 (2)

v. II, February 28, 1977

Honeywell, Dynamic Positioning Proposal, June 18, 1980

JOI

Geology, Geophysics and Scientific Ocean Drilling-A Plan, January 1979

NSF, OMDP, v. II Scientific Program, December 1980

A U.S. Science Program Associated with the Ocean Drilling Program, FY
84-93, November 1983

Lamont-Doherty, Results of IPOD Site Survey, R/V VEMA Cruise
3206

3207

Part A

Part B

Lockheed

Engineering Design Study for a 10,000 Foot Water Depth Riser and Well
Control System, August 5, 1975

Proposal for Deep Sea Drilling Riser System, v. I, June 16, 1975

RFP Sp81-101, March 1981

Advanced Ocean Drilling Program System Integration Status Review,
December 9, 1981

Review of Explorer Performance Capability for Operations in Ice, March
1982

Advanced Ocean Drilling Program, Interim Design Review, June 29-
30/July 1, 1982

Explorer Conversion, October 1982

BOX

FOLDER TITLE

PROPOSALS AND REPORTS (cont.)

Lockheed (cont.)

6 Mechanics Research, Inc. Engineering Design Study, v. II, June 1975

Mechanics Research, Inc. Proposal (RFP 5B-24814-0), 1975

Mechanics Research, Inc. Proposal for Engineering Design Study,
September 5, 1975

NSF, Ocean Margin Drilling Program

RFP June 18, 1979

Contract 866-7903, February 28, 1980

Exec Summary, December 1980

Vol. I, December 1980

Vol. II, December 1980

Vol. III, December 1980

Vol. III

7 Vol. III

Vol. IV, December 1980 (3)

RFP SP81-101 OMDP, March 23, 1981 (3)

Ocean Resources Engineering, Inc.

Evaluation, May 23, 1975

Marine Drilling Riser Evaluation, May 30, 1975

Oceanographic and Vessel Evaluation, May 30, 1975

Evaluation, June 13, 1975

Evaluation, July 3, 1975

Evaluation, July 8, 1975

BOX**FOLDER TITLE****PROPOSALS AND REPORTS (cont.)**

7 Ocean Resources Engineering, Inc (cont.)
Evaluation, July 18, 1975

Evaluation, September 26, 1975

Paul L. Gassett, Inc. Feasibility Study for an Ocean Crustal Drilling Program for SIO, May 10, 1983

Santa Fe Engineering Co.
Program Costs, March 1980

Statement of Work, September 27, 1979

PROGRAM PLANS FILES

Notes

[MNAP Notes on DSDP, n.d.]

DSDP Program Plans
Phase I

Supplemental Data, n.d.

10-18-67 Operational Plan

10/18/67

October 23, 1967

Phase II, May 6, 1970

Operations Plan, Revised April 1, 1972

Phase III, November 8, 1972

Phase III, August 1, 1973

Amendment for FY 1975

DSDP Program Plan to Phase III Deep Sea Drilling Project, Amendment
Covering July 1, 1974 to June 30, 1975

DSDP IPOD Operations Plan, June 27, 1975

BOX

FOLDER TITLE

PROGRAM PLANS (cont.)

- 8 DSDP IPOD Program Plan
February 4, 1976
- June 24, 1976
- FY 1977
- FY 1978
- DSDP IPOD Standing Policies, January 1, 1978
- DSDP IPOD Program Plan
FY 1979
- FY 1980
- FY 1981
- DSDP IPOD Operations Plan, Abridged and Revised August 25, 1980
- DSDP IPOD Program Plan
FY 1982
- FY 1983
- FY 1984
- February 24, 1984
- DSDP, IPOD, Phase Down Program Plan, FY 1985, FY 1986, FY 1987
- DSDP STAFFING FILES**
- DSDP Personnel Job Cards
- DSDP Staffing
Folder 1 of 3
- Folder 2 of 3
- Folder 3 of 3
- [DSDP Staffing]
Associate Chief Scientist [Master Job Card]

BOX**FOLDER TITLE****DSDP STAFFING FILES (cont.)**

[DSDP Staffing] (cont.)

8

Chief Scientist [Master Job Card]

Cruise Chief Scientist [Master Job Card]

Cruise Operations Manager [Master Job Card]

Curatorial Asst or Rep [Master Job Card]

Science Editor [Master Job Card]

Senior Editor [Master Job Card]

Senior Elect Tech and Elect Tech Master [Job Card]

Senior Illustrator Master [Job Card]

Key Entry Opr. [Master Job Card]

Lab Officer [Master Job Card]

Marine Tech I Master [Job Card]

Marine Tech II [Master Job Card]

Marine Tech Trainer [Master Job Card]

Senior Photographer [Master Job Card]

Research Associate II [Master Job Card]

SRA III [Master Job Card]

Res Assoc IV [Master Job Card]

Sea-Going Paleotech [Master Job Card]

Shipboard Scientist [Master Job Card]

Staff Scientist Master [Job Card]

X Ray Lab UCR [Job Card]

BOX**FOLDER TITLE****DSDP STAFFING (cont.)**

[DSDP Staffing] (cont.)

8

Yeoman Master [Job Card]

DSDP Affiliated Scientists and Institutions, February 1987

Book 1 of 3

Book 2 of 3

Book 3 of 3

9

Scientific Participation in DSDP by Country, February 1987

Cruise Rosters

Logs 1-15

Logs 16-30

Logs 31-50

Logs 51-65

Logs 66-78B

Logs 79-87

Logs 88-96

Index Cruise Participants, All Logs

A-M

N-Z

Scientific Participation; Technical Participation

By State A-M

By State M-Z

Foreign Participation, Australia-Venezuela

LEG FILES

Leg

1

BOX**FOLDER TITLE****LEG FILES (cont.)**

Leg (cont.)

9

2

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

BOX**FOLDER TITLE****LEG FILES (cont.)**

Leg (cont.)

10

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

BOX**FOLDER TITLE****LEG FILES (cont.)**

Leg (cont.)

10

45

46

47

48

49

50

11

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

BOX**FOLDER TITLE****LEG FILES (cont.)**

Leg (cont.)

11

66

67

68

69

70

71

72

73

74

75

76

77

78A

78B

79

80

12

81

82

83

84

85

BOX

FOLDER TITLE

LEG FILES (cont.)

12 Leg (cont.)
86

87

88

89

90

91

92

93

94

95

96

DSDP Annual Program Review, 1971
Transcript of Proceedings

DSDP Program Plan Review, May 11, 1972

DSDP Program Review, April 23, 1973

DSDP, IPOD, Program Review
April 26, 1974

February 27, 1976

March 4, 1977

Monthly Reports
1968

1969

January-March

BOX

FOLDER TITLE

LEG FILES (cont.)

Monthly Reports (cont.)

1969 (cont.)

12

May-August

September-December

1970

January-April

May-July

August-October

November-December

1971

January-April

May-August

13

September-December

1972

January-April

May-August

September-December

1973

January-March

April-June

July-September

October-December

1974

January-March

April-July

BOX

FOLDER TITLE

LEG FILES (cont.)

Monthly Reports (cont.)

1974 (cont.)

13 August-September

14 October-December

1975

January-March

April-June

July-September

October-December

1976

January-March

April-June

July-September

October-December

1977

January-March

April-July

August-October

November-December

1978

January-March

April-June

July-September

October-December

1979

January-March

BOX**FOLDER TITLE****LEG FILES (cont.)**

Monthly Reports (cont.)

1979 (cont.)

14

April-June

July-September

October-December

1980

January-March

April-July

August-December

1981

January-April

May-August

September-December

1982

January-May

June-August

September-December

1983

January-May

June-August

September-December

1984

January-April

May-September

October-December

BOX

FOLDER TITLE

LEG FILES (cont.)

14 Monthly Reports (cont.)
1985
January-June
July-December
January-August 1986
September 1986-March 1987

DSDP Press Releases

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980-1981

1982-1983

DSDP Reprints

1 of 3

2 of 3

BOX

FOLDER TITLE

15 **LEG FILES (cont.)**
DSDP Reprints (cont.)
3 of 3

DSDP Sediment Data and Ocean Margin Transects for Use in BOP Foundation Design, 1975

Glomar Challenger Demobilization Plans

1 of 5

2 of 5

3 of 5

4 of 5

5 of 5

Ocean Margin Drilling Interim Planning Committee, Houston, March3-10, 1980

FILM FILES

Slides, n.d.

[No Title]

Fossils

Maps, Plots, Charts

Artwork

Wire-Line Re-Entry and DARPA, Leg 88, n.d.

Antarctic Legs, Leg 28 - VSS

Satellite Pictures

Maps, Charts, Plots

Engine Room

Air Guns, Drill Bits

Beacons, Positioning Type

BOX**FOLDER TITLE****FILM FILES (cont.)**

15	Slides, n.d. (cont.)
	Operations
	Cores
	People-Misc. SIO
	Catwalk-Fantail
	Core Lab
	Re-Entry
	Misc. Ships
	Labs
	Rig Floor
	Derrick
	Glomar Explorer, Views of the Ship
	Views of the Ship
16	Films
	[No Title], n.d.
	G. Challenger, n.d.
	Deep Sea Drilling Project, Re-Entry, n.d.
	Beacon, n.d.
	Deep Sea Drilling, n.d.
	That Very Special Ship, DSDP-UCSD, n.d.
	"Birth and Death of A Star" #3 KCET, n.d.
	DSDP Misc. Crap, n.d.
	Deep Sea Drilling Project, n.d.

BOX**FOLDER TITLE****FILM FILES (cont.)**

Films (cont.)

- | | |
|----------|---|
| 16 | Deep Sea Drilling Project, Glomar Challenger, n.d. |
| 17 | UCSD SISKIND, n.d. |
| | Mini-DSDP, Discovery in the Deep, n.d. |
| | Leg 28, 20 December, 1972-27 February 1973, Fremantle, Australia to Christchurch, N.Z., Antarctic Shots, n.d. |
| | [Untitled film] |
| | Core Samples |
| Oversize | Glomar Challenger Blueprints, 1968-1974 |