

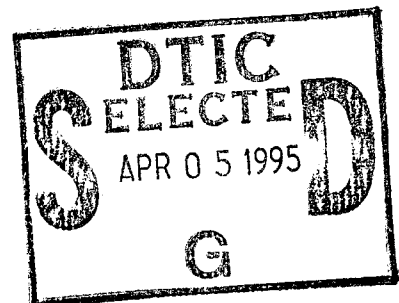
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by

Susan S. Berteaux



October 1994

Technical Report

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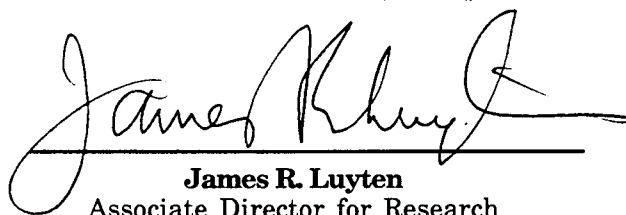
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Technical Reports - 1993

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93-01

Tarbell, Susan A., Scott E. Worrilow and Nelson G. Hogg.
A compilation of moored current meter data from SYNOP Arrays One and Two (September 1987 to July 1991). Volume XLIV. 1993. 87p. plus microfiche.
NTIS No. AD-A261 902.

WHOI
93-02

Anderson, Donald M., Sylvia B. Galloway and Jeanne D. Joseph.
Marine biotoxins and harmful algae: A national plan. 1993. 59p. with color photograph.
NTIS No. AD-A264 871.

WHOI
93-03

Brown, Neil L., Daniel E. Frye and John Proakis.
Feasibility study of non-invasive telemetry techniques for use with submarine telephone cables. 1993. 44p. NTIS No. AD-A261 356.

WHOI
93-04

King, Linda L.
Chlorophyll diagenesis in the water column and sediments in the Black Sea. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 313p. NTIS No. AD-A264 937.

WHOI
93-05

Frye, Daniel E.
Advanced Engineering Lab project summaries 1991. 1993. 63p.
NTIS No. AD-A279 506.

WHOI
93-06

Friedrichs, Marjorie A. M.
Meridional circulation in the tropical north Atlantic. M.Sc. Thesis. MIT/WHOI Joint Program in Oceanography and Oceanographic Engineering. 1993. 92p.
NTIS No. AD-A268 222.

WHOI
93-07

Ledyard, Kathleen Mei.
Marine microbial production of dimethylsulfide from dissolved dimethylsulfoniopropionate. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1992. 228p.
NTIS No. AD-A264 794.

WHOI
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Analysis of toxic and non-toxic *Alexandrium* (Dinophyceae) species using ribosomal RNA gene sequences. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 267p. NTIS No. AD-A268 276.

WHOI

93-09

Slavinsky, Mark, Boris Bogolubov, Igor Alelekov, Konstantin Pigalov, John L. Spiesberger and Paul Boutin.

Evaluation of electromagnetic source for ocean climate acoustic thermometry at Lake Seneca. 1993. 48p. NTIS No. AD-A265 054.

WHOI

93-10

Bowlin, James B., John L. Spiesberger, Timothy F. Duda and Lee F. Freitag.

Ocean acoustical ray-tracing: Software RAY. 1993. 50p. NTIS No. AD-A262 155.

WHOI

93-11

Paul, Alora K., Editor

Abstracts of manuscripts submitted in 1992 for publication. 1993. 206p. NTIS No. AD-A267 963.

WHOI

93-12

Trask, Richard P. and Nancy J. Brink.

The Subduction Experiment. Cruise report R/V OCEANUS Cruise number 240 Leg 3, Subduction 1 mooring deployment cruise 17 June - 5 July 1991. 1993. 81p. NTIS No. AD-A265 385.

WHOI

93-13

Trask, Richard P., Nancy J. Brink, Lloyd Regier and Neil McPhee.

The Subduction Experiment. Cruise report R/V OCEANUS cruise number 250 legs 1 and 2. Subduction 2 mooring deployment and recovery cruise, 25 January - 26 February 1992. 1993. 106p. NTIS No. AD-A264 922.

WHOI

93-14

Hover, Franz Stephen.

Methods for positioning deeply-towed underwater cables. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 200p. NTIS No. AD-A268 917.

WHOI

93-15

Ehrendorfer, Thomas W.

Late cretaceous (Maestrichtian) calcareous nannoplankton biogeography with emphasis on events immediately preceding the Cretaceous/Paleocene boundary. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 292p. NTIS No. AD-A269 169.

WHOI

93-16

Waser, Nathalie Anne Danielle.

Cosmogenic (sup)32P and (sup)33P in the atmosphere and oligotrophic ocean and applications to the study of phosphorus cycling. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 156p. NTIS No. AD-A279 438.

- WHOI**
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Hydrodynamics and morphodynamics of shallow tidal channels and intertidal flats. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 218p. NTIS No. AD-A279 433.
- WHOI**
93-18 **Trask, Richard P., William Jenkins, Jeffrey Sherman, Neil McPhee, William Ostrom and Richard Payne.**
The Subduction Experiment. Cruise report RRS CHARLES DARWIN Cruise number 73, Subduction 3 mooring deployment and recovery cruise 30 September - 26 October 1992. 1993. 102p. NTIS No. AD-A265 387.
- WHOI**
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Descriptions of WHOI sediment cores, Volume 8. 1993. 529p. NTIS No. AD-A279 444.
- WHOI**
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Integrated seawater sampler and data acquisition system prototype: final report. 1993. 263p. NTIS No. AD-A268 256.
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Arnosti, Carol.

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WHOI
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A tomographic view of the Gulf Stream southern recirculation gyre at 38°N, 55°W. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 169p. NTIS No. AD-A279 434.

WHOI
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Capotondi, Antonietta.

Assimilation of altimeter data in a quasi-geostrophic model of the Gulf Stream system: A dynamical perspective. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 242p. NTIS No. AD-A279 436.

WHOI
93-30

Plueddemann, A. J., R. P. Trask, W. M. Ostrom, R. A. Weller, B. S. Way, S. Anderson, N. Bogue, J. Shillingford and S. Hill.

TOGA COARE mooring deployment, mooring check-out and mooring recovery cruises. R/V WECOMA 7 October-1 November 1992, R/V Le NOROIT 2 December-15 December 1992, R/V WECOMA 27 February-11 March 1993. 1993. 54p.
NTIS No. AD-A279 363.

WHOI
93-31

Peal, K. R., G. M. Purdy, D. E. Koelsch and F. B. Wooding.

A simple ocean bottom hydrophone with 200 megabyte data capacity. 1993. 43p.
NTIS No. AD-A279 478.

WHOI
93-32

Fredericks, J. J., John H. Trowbridge, A. J. Williams, III, Steven J. Lentz, Bradford Butman and Thomas F. Gross.

Fluid mechanical measurements within the bottom boundary layer over the northern California continental shelf during STRESS. 1993. 128p. NTIS No. AD-A277 916.

- WHOI**
93-33 **Plueddemann, Albert J., Robert A. Weller, Thomas D. Dickey, John Marra, George H. Tupper, Brian S. Way, William M. Ostrom, Paul R. Bouchard, Andrea L. Oien and Nancy R. Galbraith.**
The Marine Light - Mixed Layer Experiment cruise and data report. R/V ENDEAVOR, Cruise EN-224, mooring deployment, 27 April-1 May 1991, Cruise EN-227, mooring recovery, 5-23 September 1991. 1993. 124p. NTIS No. AD-A271 175.
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The JASON remotely operated vehicle system. 1993. 53p. NTIS No. AD-A277 885.
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Analysis of modal evolution caused by a weakly range-dependent seabed in shallow water and its application to inversion for geoacoustic properties. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 266p. NTIS No. AD-A273656.
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The isotope geochemistry of abyssal peridotites and related rocks. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 350p. NTIS No. AD-A279 435.
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93-37 **Berteaux, Susan S.**
Bibliography of technical reports, 1992. 1993. 13p. NTIS No. AD-A274 849/9/XAB.
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The dynamic role of ridges in a β -plane channel. Towards understanding the dynamics of large scale circulation in the Southern Ocean. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 255p. NTIS No. AD-A279 390.
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93-39 **Montgomery, Ellyn T. and Raymond W. Schmitt, Jr.**
Cruise report - OCEANUS 250 Leg 4, high resolution profiler survey for the North Atlantic Tracer Release Experiment: (NATRE) March 25 - April 24, 1992. 1993. 45p. NTIS No. AD-A277 935.
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Ambient noise and surface wave dissipation in the ocean. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 224p. NTIS No. AD-A279 650/6/XAB.

- WHOI**
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Exchanges between hemispheres and gyres: A direct approach to the mean circulation of the Equatorial Pacific. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1993. 272p. NTIS No. AD-A279 437.
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Deployment of a bottom monitor at a 30 meters deep site in the New York Bight Apex during the Summer of 1993. 1993. 90p.
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CTD calibration and processing methods used at the Woods Hole Oceanographic Institution. 1993. ii, 96p. NTIS No. AD-A279 507.
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Ice-Ocean Environmental Buoys (IOEB); Technology and deployment in 1991-1992. 1993. iv, 129. NTIS No. AD-A274449/3/XAB.
- WHOI**
93-46 **Gross, Thomas F. and Albert J. Williams, III.**
Bottom boundary layer stress measurements with BASS tripods: Data report STRESS 1988-89. 1993. 20p. NTIS No. AD-A277 864.
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Sound scattering by cylinders of noncircular cross section. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1994. 91p. NTIS No. AD-A276 663.
- WHOI**
93-48 **Gross, Thomas F., Julie Amft and Albert J. Williams.**
Data report: Stress measurements in the bottom boundary layer with BASS tripods STRESS II 1990-91. 1993. 40p. NTIS No. AD-A279 875.
- WHOI**
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Long time series measurements in the coastal ocean: A workshop. 1993. vi, 96p. NTIS No. AD-A279 509.

WHOI

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Surface exposure geochronology using cosmogenic nuclides: Applications in Antarctic glacial geology. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1994. 234p. NTIS No. AD-A279 392.

WHOI

93-51 Montgomery, Ellyn T. and John M. Toole.
Fine- and microstructure observations at Fieberling Guyot R/V NEW HORIZON cruise report. 1993. 33p. NTIS No. AD-A277 917.

WHOI

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Mixing and dynamics of the Mediterranean outflow. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1994. 244p. NTIS No. AD-A279 803/1/XAB.

WHOI

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A study of the large scale circulation and water mass formation in the Nordic Seas and Arctic ocean. Ph.D. Thesis. MIT/WHOI Joint Program in Oceanography/ Applied Ocean Science and Engineering. 1994. 216p. with color plates.

WHOI

93-54 Trask, Richard P., Nancy Galbraith, Paul Robbins, William Ostrom, Lloyd Regier, Glenn Pezzoli and Neil McPhee.
The Subduction Experiment. Cruise report R/V KNORR, Cruise number 138 Leg XV. Subduction 3 mooring recovery cruise, 13-30 June 1993. 1993. 83p. NTIS No. AD-A277 966.

Department Index

Administration

93-11, 93-37

Applied Ocean Physics and Engineering

93-03, 93-05, 93-09, 93-10, 93-14, 93-20, 93-21, 93-25, 93-31, 93-32, 93-34, 93-35, 93-40, 93-41, 93-43, 93-46, 93-47, 93-48

Biology

93-02, 93-08, 93-27

Geology and Geophysics

93-15, 93-17, 93-19, 93-36, 93-45

Geophysical Fluid Dynamics

93-24

Marine Chemistry and Geochemistry

93-04, 93-07, 93-16, 93-26, 93-50

Physical Oceanography

93-01, 93-06, 93-12, 93-13, 93-18, 93-22, 93-23, 93-28, 93-29, 93-30, 93-33, 93-38, 93-39, 93-42, 93-44, 93-49, 93-51, 93-52, 93-53, 93-54

Author Index

Albro, C.	93-20	Hill, S.	93-30
Alelekov, Igor	93-09	Hogg, Nelson G.	93-01
Amft, Julie	93-48	Honjo, Susumu	93-45
Anderson, Donald M.	93-02	Hover, Franz, Stephen	93-14
Anderson, S.	93-30	Ingersoll, Andrew	93-24
Arnosti, Carol	93-26	Irish, James D.	93-20, 93-43
Ballard, Robert D.	93-34	Jenkins, William	93-18, 93-20
Baringer, Molly O'Neil	93-52	Joseph, Jeanne D.	93-02
Berteaux, H. O.	93-20, 93-21	Kery, S.	93-20, 93-21
Berteaux, Susan S.	93-37	King, Linda L.	93-04
Bocconcelli, A.	93-21	Koelsch, D. E.	93-31
Bogolubov, Boris	93-09	Krishfield, Richard	93-45
Bogue, N.	93-30	Lamarre, Eric	93-25
Bouchard, Paul R.	93-33	Ledyard, Kathleen Mei	93-07
Boutin, Paul	93-09	Lentz, Steven J.	93-32
Bowlin, James B.	93-10	Marra, John	93-33
Brink, K. H.	93-49	Mauritzen, Cecilie	93-53
Brink, Nancy J.	93-12, 93-13	McDowell, S.	93-20
Broda, J. E., Editor	93-19	McPhee, Neil	93-13, 93-18, 93-54
Brook, Edward J.	93-50	Merriam, Steve	93-23
Brown, Neil L.	93-03	Millard, Robert C.	93-44
Butman, Bradford	93-32	Mills, P. B., Editor	93-19
Capotondi, Antonietta	93-29	Montgomery, Ellyn T.	93-39, 93-51
Chester, David Brian	93-28	Ohta, Kazuhiko	93-35
Chu, Dezhang	93-41	Oien, Andrea L.	93-33
DiPerma, Daniel T.	93-47	Ostrom, William M.	93-18, 93-30, 93-33, 93-54
Dickey, Thomas D.	93-33	Paul, Alora K., Editor	93-11
Doherty, Kenneth	93-45	Payne, Richard	93-18
Duda, Timothy F.	93-10	Peal, K. R.	93-31
Eck, C.	93-20, 93-21	Pezzoli, Glenn	93-54
Ehrendorfer, Thomas W.	93-15	Pigalov, Konstantin	93-09
Ewing-DeRemer, Barbara, Editor	93-24	Plueddemann, Albert J.	93-23, 93-30, 93-33
Felizardo, Francis C.	93-40	Proakis, John	93-03
Flierl, Glenn	93-24	Purdy, G. M.	93-31
Frazel, Robert E.	93-22	Regier, Lloyd	93-13, 93-54
Fredericks, J. J.	93-32	Robbins, Paul	93-54
Freitag, Lee E.	93-10, 93-23	Royer, T. C.	93-49
Friedrichs, Carl Takeo	93-17	Schmitt, Raymond W., Jr.	93-39
Friedrichs, Marjorie A. M.	93-06	Scholin, Christopher Alan	93-08
Frye, Daniel E.	93-03, 93-05	Sherman, Jeffrey	93-18
Galbraith, Nancy R.	93-33, 93-54	Shillingford, J.	93-30
Galloway, Sylvia B.	93-02	Slavinsky, Mark	93-09
Gross, Thomas F.	93-32, 93-46, 93-48	Snelgrove, Paul V. R.	93-27

Snow, Jonathan E.	93-36	Waser, Nathalie Anne D.	93-16
Spiesberger, John L.	93-09, 93-10	Way, Brian S.	93-30, 93-33
Stewart, W. Kenneth	93-41	Weller, Robert A.	93-30, 93-33
Tang, Xiaoou	93-41	Whitehead, J. A.	93-22
Tarbell, Susan A.	93-01	Wijffels, Susan Elizabeth	93-42
Toole, John M.	93-51	Williams, Albert J.	93-32, 93-46, 93-48
Trask, Richard P.	93-12, 93-13, 93-18, 93-30	Wooding, F. B.	93-31
Trowbridge, John H.	93-32	Worriow, Scott E.	93-01
Tupper, George H.	93-33	Yang, Keqi	93-44
Vincent, C. L.	93-49	Yano, Jun-Ici	93-24
Wang, Liping	93-38		

Funding Agencies

<u>American Association of Petroleum Geologists</u> 93-15	<u>NASA Global Change Fellowship</u> 93-53
<u>American Society for Engineering Education</u> 93-17	<u>NASA Graduate Fellowship in Global Change Research</u> 93-42
<u>Caltex Graduate Woman National Scholarship (Australia)</u> 93-42	<u>NASA through MIT</u> 93-29
<u>Department of Energy</u> 93-16	<u>NASA, Graduate Student Researchers Program</u> 93-07
<u>Department of Energy, Ocean Margins Program</u> 93-26	<u>National Science Foundation</u> 93-01, 93-04, 93-04, 93-06, 93-06, 93-07, 93-08, 93-14, 93-16, 93-16, 93-17, 93-19, 93-19, 93-20, 93-24, 93-27, 93-28, 93-30, 93-30, 93-31, 93-31, 93-38, 93-42, 93-44, 93-49, 93-50, 93-50, 93-50
<u>IRIS Consortium</u> 93-03	<u>National Science Foundation, Graduate Fellowship</u> 93-36
<u>Japan Marine Science and Technology Center</u> 93-45	<u>National Science Foundation through MIT</u> 93-25
<u>Massachusetts Institute of Technology</u> 93-53	<u>National Marine Fisheries Service</u> 93-02
<u>Massachusetts Institute of Technology Graduate Dean's Office</u> 93-42	<u>National Marine Fisheries Service, Charleston Laboratory</u> 93-02
<u>Mitre Corporation</u> 93-41	
<u>NASA</u> 93-07	

National Oceanic and Atmospheric Administration
93-27, 93-43

National Oceanic and Atmospheric Administration, Coastal Oceans Program
93-02

Naval Surface Warfare Center
93-21

Ocean Ventures Fund
93-08

Office of Naval Research
93-01, 93-09, 93-10, 93-12, 93-13, 93-14, 93-14, 93-17, 93-18, 93-22, 93-24, 93-25, 93-26, 93-27, 93-28, 93-28, 93-32, 93-32, 93-32, 93-33, 93-34, 93-35, 93-39, 93-41, 93-45, 93-47, 93-48, 93-48, 93-51, 93-52, 93-54

Office of Naval Research University Research Initiative
93-28

Office of Naval Research through the American Society for Engineering Education
93-06

Office of Naval Research, Geology and Geophysics Program and the Coastal Sciences Program
93-46, 93-46

Office of Naval Research, National Defense Science and Engineering Graduate Fellowship
93-50

Office of Naval Technology
93-10

Paleontological Society/Margaret C. Wray Trust
93-15

Scurlock Funds of Mr. Arch Scurlock
93-16

Sigma Xi Society
93-15

U.S. Army Corps of Engineers, New York District
93-43

W.M. Keck Foundation, Technology Innovation Award
93-03

Webster Foundation
93-23

Woods Hole Oceanographic Institution
93-09, 93-17

WHOI Education Program
93-15, 93-42

Woods Hole Oceanographic Institution, Ocean Ventures Fund
93-04, 93-07, 93-15, 93-16, 93-26, 93-36, 93-50

No funding agency cited
93-05, 93-40

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86- 4	Bibliography of Technical Reports, 1985	PB86-214756
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89-43	Bibliography of Technical Reports, 1988	AD-A216 842
90-38	Bibliography of Technical Reports, 1989	AD-A229 084
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92-28	Bibliography of Technical Reports, 1991	AD-A257 304
93-37	Bibliography of Technical Reports, 1992	AD-A274 849

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WHOI REF.	TITLE
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87- 6	Abstracts of papers submitted in 1986 for publication
88-14	Abstracts of papers submitted in 1987 for publication
89-12	Abstracts of manuscripts submitted in 1988 for publication
90-31	Abstracts of manuscripts submitted in 1989 for publication
91- 8	Abstracts of manuscripts submitted in 1990 for publication
92-19	Abstracts of manuscripts submitted in 1991 for publication
93-11	Abstracts of manuscripts submitted in 1992 for publication

Geophysical Fluid Dynamics

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84-44	Dynamic differentiations.....	AD-A149 386
85-36	Chaos.....	AD-A164 601
86-45	Order and disorder in turbulent shear flow	AD-A177 571
88-16	Order and disorder in planetary dynamos.....	AD-A196 554
89-26	The influence of convection on large-scale circulations.	AD-A216 024
89-54	General circulation of the oceans.....	AD-A225 571
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