BIBLIOGRAPHY UPDATE ON THE CALIFORNIA CURRENT SYSTEM AND RELATED MESOSCALE OCEAN MODELING

by

MARY L. RATTEFN

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This report was prepared by:

Mary L. Ratteen
NPS-NRC Research Associate*

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This bibliography has been prepared for use in the Ocean Prediction Through Observation, Modeling and Analysis (OPTOMA) program. It updates the 1980 publication "Bibliography for the Coastal Circulation of the Eastern North Pacific." In addition, mesoscale ocean modeling references related to the California Current System have been included.
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a report prepared in conjunction with

OPTOMA

by

Mary L. Ratteen
NPS-NRC Research Associate

The OPTOMA Program is a joint program of

Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Center for Earth and Planetary Physics
Harvard University
Cambridge, MA 02138

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NOTES

1. This bibliography supplements the following publication:
Jr., 1980. Bibliography for the Coastal Circulation of the Eastern
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77 pp.
In addition, mesoscale ocean modeling references related to the California
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2. This bibliography has been prepared for use in the Ocean Prediction
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   EOS (Abstract only), 61, 981.

35. Beardsley, R.C., D.C. Chapman, K.H. Brink, S.R. Ramp and R. Schlitz, 
   1984. The Nantucket Shoals Flux Experiment (NSFE79), Part 1: 
   A basic description of the current and temperature variability. 

   transient circulation in the Middle Atlantic Bight, Part 1: Adiabatic 

   field off northern California during CODE-2. EOS (Abstract only), 
   64, 716.


40. Bergman, K.H., 1979. Multivariate analysis of temperatures and winds 

41. Bernal, P.A., 1980. Large-scale biological events in the California 
   Current: The low-frequency response of the epipelagic ecosystem. 
   Ph.D. Thesis, University of California, San Diego, California, 
   184 pp.

42. Bernal, P.A. and J.A. McGowan, 1981. Advection and upwelling in the 
   California Current. In: Coastal Upwelling, F.A. Richards (Editor), 
   Coastal and Estuarine Sciences, Vol. 1, American Geophysical Union, 
   Washington, D.C., 381-399.

43. Bernstein, R.L., 1982. Sea surface temperature estimation using the 
   NOAA-6 satellite Advanced Very High Resolution Radiometer. 

44. Bernstein, R.L., 1982. Sea surface temperature mapping with the SEASAT 


71. Brink, K.H., 1983. Comments on the subinertial response of continental shelf waters to strong wind driving. EOS (Abstract only), 64, 740.


88. Carter, J.A., 1983. The three dimensional circulation off the west coast of the United States due to variable winds. EOS (Abstract only), 64, 1077.


114. Clarke, A.J. and K.H. Brink, 1983. The response of stratified, frictional shelf and slope waters to fluctuating large-scale low frequency wind forcing. EOS (Abstract only), 64, 718.


458. Scripps Institution of Oceanography, 1981. Surface water temperatures at shore stations; United States West coast. SIO Ref. 81-30, University of California, Scripps Institution of Oceanography, La Jolla, California, 45 pp.


463. Sheres, D., K.E. Kenyon and R.L. Bernstein, 1983. Strong surface shear of the N. California coast (CODE area), detected and measured by high altitude wave imagery. EOS (Abstract only), 64, 718.


   EOS (Abstract only), 64, 1101.

   Technical Report, NPS 68-84-003, Naval Postgraduate School, Monterey, 
   California, 37 pp.


   Marine Science, A.R. Robinson (Editor), Springer-Verlag, New York, 
   446-480.

   the flow field in the three coastal upwelling regions: Oregon, 
   Northwest Africa and Peru. In: Coastal Upwelling, F.A. Richards 
   (Editor), American Geophysical Union, Washington, D.C., 107-118.

   of the Americas during El Niño. EOS (Abstract only), 64, 1045.

   of the physical oceanography in two coastal upwelling regions: 
   Oregon and Peru. In: Fertility of the Sea, Vol. 2, J.D. Costlow 
   (Editor), Gordon and Breach Science Publishers, New York.


   coastal boundaries. Ph.D. Thesis, Oregon State University, Corvallis, 
   Oregon, 88 pp.

   In: Eddies in Marine Science, A.R. Robinson (Editor), Springer-Verlag, 
   New York, 525-541.

   conditions in Santa Barbara Channel: April - June 1983. EOS (Abstract 
   only), 64, 1078.


498. The CODE Group, 1983. Coastal ocean dynamics. EOS, 64(36), 538-540.


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Dr. Mary L. Batteen
NPS-NRC Research Associate
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Prof. C.N.K. Mooers
Chairman, Code 006R
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Prof. A.R. Robinson
Center for Earth and Planetary Physics
Pierce Hall, Harvard University
Cambridge, MA 02138

Prof. R.L. Smith
College of Oceanography
Oregon State University
Corvallis, OR 97331

Prof. J.S. Allen
College of Oceanography
Oregon State University
Corvallis, OR 97331

Emer. Prof. J.R. Wickham
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Prof. R.L. Haney
Department of Meteorology
Naval Postgraduate School
Monterey, CA 93943
Prof. M.B. Fiering
Center for Earth and Planetary Physics
Pierce Hall, Harvard University
Cambridge, MA 02138

Prof. G.L. Mellor
Geophysical Fluid Dynamics Program
Princeton University
P.O. Box 308
Princeton, NJ 08540

Prof. L.A. Mysak
Mathematics Department
121-1984 Mathematics Road
The University of British Columbia
Vancouver, BC V6T 1Y4

Prof. G. Philander
Geophysical Fluid Dynamics Program
Princeton University
P.O. Box 308
Princeton, NJ 08540

Prof. R.G. Loch
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Dr. N.B. Haidvogel
National Center for Atmospheric Research
P.O. Box 3000
Boulder, CO 80307

Dr. M.M. Rienecker
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Dr. E.A. Kelley, Jr.
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Dr. A. Huyer
College of Oceanography
Oregon State University
Corvallis, OR 97331

Dr. D.B. Chelton
College of Oceanography
Oregon State University
Corvallis, OR 97331
Dr. K.H. Brink
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Dr. Y. Felix
Center for Earth and Planetary Physics
Pierce Hall, Harvard University
Cambridge, MA 02138

Dr. L.C. Breaker
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943

Dr. F.V. Carter
Center for Earth and Planetary Physics
Pierce Hall, Harvard University
Cambridge, MA 02138

Dr. J. Carton
Center for Earth and Planetary Physics
Pierce Hall, Harvard University
Cambridge, MA 02138

Dr. D.-P. Wang
Argonne National Lab
9700 South Cass Ave.
Argonne, IL 60439

Dr. D.A. Hagan
Jet Propulsion Laboratory (Code 183-501)
California Institute of Technology
4800 Oak Grove Road
Pasadena, CA 91109

Dr. J.A. Smith
Marine Physics Laboratory (A-005)
Scripps Institution of Oceanography
La Jolla, CA 92093

Dr. R.L. Bernstein
California Space Institute (MS-A021)
Scripps Institution of Oceanography
La Jolla, CA 92093

Dr. J.L. Mueller
Department of Oceanography
Naval Postgraduate School
Monterey, CA 93943