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EDUCATION

- Sept 1982 Oregon State University, College of Oceanography, Corvallis, Oregon.
Dec 1987 Ph.D. in Physical Oceanography, December 1987. Thesis advisor: Roland A. de Szoeke. Thesis title: Response to wind stress and heating in the north Pacific surface layer.
Sept 1978 University of Michigan, College of Engineering, Ann Arbor, Michigan
May 1982 B.S.E. in Engineering Science with honors, May 1982.

EXPERIENCE

- July 1997 Associate Professor of Oceanography, Naval Postgraduate School, Monterey, California;
Present Adjunct Associate Professor, University of California Santa Cruz. Instructor for graduate-level oceanography courses. Researcher using shore-based HF radar.
July 1991 Assistant Professor of Oceanography, Naval Postgraduate School, Monterey, California.
June 1997
Jan 1991 Assistant Research Oceanographer, Scripps Institution of Oceanography, La Jolla,
June 1991 California. Conducted research using satellite-tracked drifters to study the horizontal structure of temperature and current in the northeast Pacific Ocean. Served as Global Drifter Center manager for the World Ocean Circulation Experiment (WOCE).
Dec 1987 Postdoctoral Research Oceanographer, Scripps Institution of Oceanography, La Jolla,
Jan 1991 California. Conducted research using satellite-tracked drifters to study offshore-flowing, cold-water jets off the coast of California and horizontal current and temperature structure in the northeast Pacific Ocean.
Sept 1982 Graduate Research Assistant, Physical Oceanography, Oregon State University,
Dec 1987 Corvallis. Conducted research in air-sea interaction using upper-ocean measurements of currents and temperatures and surface meteorological observations. Presented results (oral and written) at internationally attended conferences. Participated in research cruises.
May 1980 Research Assistant, Great Lakes Environmental Research Laboratory, Ann Arbor, MI.
Aug 1982 Performed computer programming and field duties in support of research on the circulation of the Great Lakes and dispersion of oil and toxic chemicals.
Jan 1980 Research Assistant, Department of Atmospheric and Oceanic Sciences, University of
May 1980 Michigan. Assisted in data reduction of current meter records from Lake Erie surf zone.

AWARDS/NATIONAL COMMITTEES

- Dec 2004 Named as member of the CA Marine Life Protection Act Science Advisory Team
Sept. 2003 Chair, Ocean.US Surface Current Mapping Initiative Steering Committee
Nov 2001 Member, Ocean.US Community Workshop Steering Committee
Aug 1997 Editor's Excellence in Reviewing Award, Journal Geophysical Research
Jan 1997 AMS Committee on Meteorology & Oceanography of the Coastal Zone
1994 Teaching (Oct) and Research (April) Recognition Awards, Naval Postgraduate School
Dec 1986 Best Student Paper Award for Oceanography AGU Fall Meeting[†]

PUBLICATIONS IN REFEREED JOURNALS

- Brink, K.H., R.C. Beardsley, J.D. Paduan, R. Limeburner, M. Caruso, and J.G. Sires, 2000: A view of the 1993-1994 California Current based on surface drifters, RAFOS floats, and remotely sensed data. *J. Geophys. Res.*, **105**, 8575-8604.
- Chao, Y., Z.Li, J. Kindle, J. Paduan, and F. Chavez, 2003: A high-resolution surface vector wind product for coastal oceans: blending satellite scatterometer measurements with regional mesoscale atmospheric model simulations. *Geophys. Res. Letters*, **30**, 13-1 to 13-4.
- Fernandez, D.M., H.C. Graber, J.D. Paduan, and D.E. Barrick, 1997: Mapping wind direction with HF radar. *Oceanography*, **10**, 93-95.
- , L.A. Meadows, J.F. Vesecky, C.C. Teague, J.D. Paduan, and P. Hansen, 2001: Surface current measurements by HF radar in fresh water lakes. *J. Oceanic Engin.*, **25**, 458-471.
- Gacic, M., V. Kovacevic, A. Mazzoldi, J. Paduan, J. Arena, F. Mancero, I. Mosquera, G. Gelsi, and G. Arcari, 2002: Measuring water exchange between the Venetian Lagoon and the open sea. *EOS, Transactions American Geophysical Union*, **83**, 217-222.
- Kelly, K.A., R.C. Beardsley, R. Limeburner, K.H. Brink, J.D. Paduan, and T.K. Chereskin, 1998: Variability of the near-surface eddy kinetic energy in the California Current based on altimetric, drifter, and moored current data. *J. Geophys. Res.*, **103**, 13067-13083.
- Kindle, J.C., R. Hodur, S. deRada, J. Paduan, L.K. Rosenfeld, and F. Chavez, 2002: A COAMPS™ reanalysis for the eastern Pacific: properties of the diurnal sea breeze along the central California coast. *Geophys. Res. Letters*, **29**(24), 2203, doi:10.1029/2002GL015566.
- Laws, K. D.M. Fernandez, and J.D. Paduan, 2000: Simulation-Based Evaluations of HF Radar Ocean Current Algorithms. *J. Oceanic Engin.*, **25**, 481-491.
- Lipphardt, B.L. Jr., A.D. Kirwan, Jr., C.E. Grosch, J.K. Lewis, and J.D. Paduan, 2000: Blending HF radar and model velocities in Monterey Bay through normal mode analysis. *J. Geophys. Res.*, **105**, 3425-3450.
- Niiler, P.P., J. Filloux, W.T. Liu, R.M. Samelson, J.D. Paduan, C.A. Paulson, 1993: Wind-forced variability of the deep eastern north Pacific: Theory and relationship to seafloor pressure and abyssal currents. *J. Geophys. Res.*, **98**, 22589-22602.
- , and J.D. Paduan, 1995: Wind-driven motions in the northeast Pacific as measured by Lagrangian drifters. *J. Phys. Oceanogr.*, **25**, 2583-2594.
- Paduan, J.D., and M.S. Cook, 1997: Mapping surface currents in Monterey Bay with CODAR-type HF radar. *Oceanography*, **10**, 49-52.
- , and R.A. de Szoeke, 1986: Heat and Energy Balances in the Upper Ocean at 50° N, 140° W during November 1980 (STREX). *J. Phys. Oceanogr.*, **16**, 25-38.
- , —, and J.G. Richman, 1987: The Balances of Heat and Momentum at 33.5° N, 127° W in the Upper Ocean during MILDEX. *J. Geophys. Res.*, **93**, 8147-8160.
- , —, and R.A. Weller, 1989: Inertial Oscillations in the Upper Ocean during the Mixed Layer Dynamics Experiment (MILDEX). *J. Geophys. Res.*, **94**, 4835-4842.

- , and H.C. Graber, 1997: Introduction to high frequency radar: Reality and myth. *Oceanography*, **10**, 36-39.
- , P.-M. Kosro, and S.M. Glenn, 2004: A national coastal ocean surface current mapping system for the United States. *Marine Tech. Soc.*, **38**, 102-108.
- , and P.P. Niiler, 1990: A Lagrangian description of motion in northern California coastal transition filaments. *J. Geophys. Res.*, **95**, 18095-18109.
- , and P.P. Niiler, 1993: The structure of velocity and temperature in the northeast Pacific as measured with Lagrangian drifters in fall 1987. *J. Phys. Oceanogr.*, **23**, 585-600.
- , and L.K. Rosenfeld, 1996: Remotely sensed surface currents in Monterey Bay from shore-based HF radar (CODAR). *J. Geophys. Res.*, **101**, 20669-20686.
- , and I. Shulman, 2004: CODAR data assimilation in the Monterey Bay area. *J. Geophys. Res.*, **109**, C07S09, doi: 10.1029/2003JC001949.
- Petruncio, E.T., J.D. Paduan, and L.K. Rosenfeld, 2002: Numerical simulations of the internal tide in a submarine canyon. *Ocean Modelling*, **4**, 221-248.
- , L.K. Rosenfeld, and J.D. Paduan, 1998: Observations of the internal tide in Monterey Submarine Canyon. *J. Phys. Oceanogr.*, **28**, 1873-1903.
- Pickett, M., and J.D. Paduan, 2003: Wind stress curl and related upwelling in the California Current System from high resolution COAMPS reanalysis fields. *J. Geophys. Res.*, **108**, 25-1 to 25-10.
- Ramp, S.R., J.D. Paduan, I. Shulman, J. Kindle, F.L. Bahr, and F.P. Chavez, 2004: Observations of upwelling and relaxation events in the northern Monterey Bay during August 2000. *J. Geophys. Res.*, In Press.
- Shulman, I., S. Haddock, D. McGillicuddy, J. Paduan, and P. Bissett, 2003: Numerical modeling of bioluminescence distributions in the coastal ocean. *J. Oceanic & Atmos. Tech.*, **20**, 1060-1068.
- , C.-R. Wu, J.K. Lewis, J.D. Paduan, L.K. Rosenfeld, S.R. Ramp, M.S. Cook, J.D. Kindle, D.-S. Ko, 2000: Development of the high resolution, data assimilating numerical model of the Monterey Bay. In *Estuarine and Coastal Modeling*, Spaulding, M.L. and H. Lee Butler, eds., 980-994.
- , —, —, —, L.K. Rosenfeld, J.D. Kindle, S.R. Ramp, and C.A. Collins, 2002: High resolution modeling and data assimilation in the Monterey Bay area. *Cont. Shelf Res.*, **22**, 1129-1151.
- Zhou, M., J.D. Paduan, and P.P. Niiler, 2000: Surface currents in the Canary Basin from drifter observations. *J. Geophys. Res.*, **105**, 21893-21911.

PUBLICATIONS IN PREPARATION

- Kohut, J.T., S.M. Glenn, and J.D. Paduan, 2004: The inner-shelf response to tropical storm Floyd. *J. Geophys. Res.*, Submitted.

- Kovacevic, V., M. Gacic, I. Mosquera-Mancero, J.D. Paduan, and A. Mazzoldi, 2005: Surface sub-mesoscale features offshore the Venetian littoral. *J. Geophys. Res.*, Special Adriatic Sea Issue, in preparation.
- Lipphardt, B.L., Jr., D. Small, A.D. Kirwan, Jr., W. Wiggins, K. Ide, C.E. Grosch, and J.D. Paduan, 2004: Synoptic Lagrangian maps: Application to surface transport in Monterey Bay. *J. Mar. Res.*, Submitted.
- Paduan, J.D., K.C. Kim, M.S. Cook, and F.P. Chavez, 2004: Calibration and validation of direction-finding high frequency radar ocean surface current observations. *IEEE J. Oceanic Engin.* Submitted.

PUBLISHED PROCEEDINGS/TECHNICAL REPORTS

- Barrick, D., R. Cheng, N. Garfield, J. Paduan, P. Lilleboe, J. Gartner, and L. Pederson, 2000: Toward bay/harbor circulation model improvement incorporating HF radar data based on SeaSonde deployments on San Francisco Bay. *Proceedings, IEEE OCEANS-2000*, 5 pp.
- Cook, M.S., and J.D. Paduan, 2003: Processing HF radar data using the HFRadarmap software system. *Radiowave Oceanography the First International Workshop*, University of Miami, Rosentiel School of Marine and Atmospheric Science, 11-16.
- Fernandez, D.M., and J.D. Paduan, 1996: Simultaneous CODAR and OSCAR Measurements of Ocean Surface Currents in Monterey Bay. *Proceedings, IEEE IGARSS '96*, Lincoln, Neb., vol. 3, 1746-1750.
- , J.F. Vesecky, C.C. Teague, J.D. Paduan, and K.E. Laws, 1998: Ship detection with high-frequency phased-array and direction-finding radar systems. *Proceedings, IEEE Inter. Geoscience and Remote Sensing Symposium*, Seattle, July 1998, paper A08-11.
- , K.E. Laws, and J.D. Paduan, 1999: High-Frequency Radar Simulations. *Proceedings of the IEEE Sixth Working Conference on Current Measurement*, 9-13.
- Laws, K.E., D.M. Fernandez, J.D. Paduan, C.C. Teague, and J.F. Vesecky, 1998: Simulation studies of errors in HF radar ocean surface current measurements. *Proceedings, IEEE Inter. Geoscience and Remote Sensing Symposium*, Seattle, July 1998, paper A08-9.
- , J.D. Paduan, and D.M. Fernandez, 2003: Effect of Stokes drift on HF radar measurements. *Radiowave Oceanography the First International Workshop*, University of Miami, Rosentiel School of Marine and Atmospheric Science, 49-55.
- Lipphardt, B.L. Jr., A.D. Kirwan, Jr., C.E. Grosch, and J.D. Paduan, 2003: Normal mode analysis of velocity gradient fields in Monterey Bay. *Radiowave Oceanography the First International Workshop*, University of Miami, Rosentiel School of Marine and Atmospheric Science, 115-119.
- Ly, L., P. Luong, J.D. Paduan, and D. Koracin, 1999: Response of the Monterey Bay region to wind forcing by an atmospheric model. *Proceedings, American Meteorological Society's Third Conference on Coastal Atmospheric and Oceanic Prediction and Processes*, New Orleans, LA, 3-5 November, pg. 76-79.

- , W.P. O'Connor, and J.D. Paduan, 2000: A barotropic simulation of semi-diurnal and diurnal tides for the Monterey Bay region. in *Hydraulic Engineering Software VIII*, Blain, W.R. and C.A. Brebbia, Ed., WIT Press, 155-169.
- Mantey, P.E., J.J. Garcia-Luna, H.G. Kolsky, D.D.E. Long, A.T. Pang, E.C. Rosen, C. Tang, B.R. Montague, M.D. Abram, W.W. Macy, B.R. Gritton, J. Paduan, and W. Nuss, 1993: REINAS: Real-Time Environmental Information Network and Analysis System: Phase II Requirements Definition. Technical Report, University of California, Santa Cruz, UCSC-CRL-93-34, 67 pp.
- Niiler, P.P., J.D. Paduan, A.L. Sybrandy, and L. Sombardier, 1991: The WOCE/TOGA Lagrangian surface drifter. *Proceedings, IEEE OCEANS-91*, 5 pp.
- Paduan, J.D., 1994: Remotely sensed surface currents in Monterey Bay from multiple HF radar installations. *Proceedings, IEEE OCEANS-94*, Vol. III, 5-10.
- , and L.K. Atkinson, 2004: The Ocean.US Surface Current Initiative. *Eos Trans. AGU*, 84 (52), Ocean Sci. Meeting Suppl, Abstract OS41G-08.
- , D. Barrick, D. Fernandez, Z. Hallock, and C. Teague, 2001: Improving the accuracy of coastal HF radar current mapping. *Hydro International*, 5, 26-29.
- , M.S. Cook, D.M. Fernandez, C. Whelan, I. Shulman, and C.-R. Wu, 2003: Statistics and data assimilation results from long-term HF radar-derived surface currents around Monterey Bay, California. *Radiowave Oceanography the First International Workshop*, University of Miami, Rosentiel School of Marine and Atmospheric Science, 120-127.
- , S. Benson, K. Bruland, F. Chavez, D. Costa, D. Croll, A. DeVogelaere, C. Edwards, G. Griggs, C. King, R. Kudela, J. Harvey, B. Lipphardt, S. Lonhart, P. Mantey, B. Marinovic, M. McManus, L. Rosenfeld, M. Silver, J. Vesecky, 2003: Ocean observing and modeling system developments around Monterey Bay. *Proceedings, California and the World Oceans* Santa Barbara, California, October 2002.
- , and H.C. Graber, 2003: Radiowave Oceanography-an overview of the First International Workshop (ROW-1). *Radiowave Oceanography the First International Workshop*, University of Miami, Rosentiel School of Marine and Atmospheric Science, 5-11.
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- , E.T. Petruncio, D.E. Barrick, and B.J. Lipa, 1995: Surface currents within and offshore of Monterey Bay as mapped by a multiple-site HF radar (CODAR) network. *Proceedings of the IEEE Fifth Working Conference on Current Measurement*, 137-142.
- , M. Zhou, and P.P. Niiler, 1995: Surface currents in the Canary Basin from drifter observations. *International WOCE Newletter*, #20, 13-15.
- , M.H. Pickett, and M.S. Cook, 1996: Comparison of drifting buoy and HF radar (CODAR) ocean surface currents in Monterey Bay, CA. *NOAA Tech. Rep.*, MBNMS 96-01, 35pp.
- , M.S. Cook, and D.M. Fernandez, 1997: Two-dimensional diurnal to monthly period surface currents in Monterey Bay from CODAR-type HF radar. *Proceedings, IEEE Inter. Geoscience and Remote Sensing Symposium*, Singapore, August 1997, pp. 1814-1816.

- , R. Delgado, J.F. Vesecky, Y. Fernandez, J. Diada, and C.C. Teague, 1999: Mapping Coastal Winds with HF Radar. *Proceedings of the IEEE Sixth Working Conference on Current Measurement*, 28-32.
- , L.K. Rosenfeld, S.R. Ramp, F. Chavez, C.S. Chiu, and C.A. Collins, 1999: Development and maintenance of the ICON observing system in Monterey Bay. *Proceedings, American Meteorological Society's Third Conference on Coastal Atmospheric and Oceanic Prediction and Processes*, New Orleans, LA, 3-5 November, pg. 226-231.
- , and I. Shulman, Y. Chao, M.S. Cook, and B.L. Lipphardt, 2004: Model validation and data assimilation using surface current maps from HF radar. *Eos Trans. AGU*, 84 (52), Ocean Sci. Meeting Suppl, Abstract OS41K-01 INVITED.
- Ramp, S.R., D.E. Barrick, L.A. Pederson, J.C. Lee, J.D. Paduan, and I. Shulman, 2001: Recent advances in coastal HF radars with potential application to the Asian marginal seas. *Proceedings, 11th PAMS/JECSS Meeting*, Byung-Ho Choi, Ed., 11-13 April, Cheju, Korea.
- Rosenfeld, L.K., J.D. Paduan, E.T. Petrucio, and J.E. Goncalves, 1999: Numerical simulations and observations of the internal tide in a submarine canyon. *Proceedings, 'Aha Huliko'a Hawaiian Winter Workshop*, University of Hawaii at Manoa, 19-22 January, pg 63-71.
- Shulman, I., C.-R. Wu, J.K. Lewis, J.D. Paduan, L.K. Rosenfeld, S.R. Ramp, M.S. Cook, J.C. Kindle, and D.-S. Ko, 1999: Development of the high resolution, data assimilating numerical model of the Monterey Bay. *Proceedings, American Meteorological Society's Third Conference on Coastal Atmospheric and Oceanic Prediction and Processes*, New Orleans, LA, 3-5 November, pg. 232-235.
- , J.D. Paduan, C.-R. Wu, J.K. Lewis, L.K. Rosenfeld, S.R. Ramp, 2001: High frequency radar data assimilation in the Monterey Bay. *Proceedings, 7th International Estuarine and Coastal Modeling Conference*, St. Petersburg, Florida, 5-7 November, 434-446.
- Teague, C.C., D.M. Fernandez, K.E. Laws, J.D. Paduan, and J.F. Vesecky, 1998: Comparison of multifrequency phased-array and direction-finding HF radar systems during COPE-3. *Proceedings, IEEE Inter. Geoscience and Remote Sensing Symposium*, Seattle, July 1998, paper A08-10.
- Vesecky, J., C. Teague, D. Fernandez, J. Paduan, J. Daida, R. Onstott, K. Laws, and P. Hansen, 1998: Coastal surface currents with HF radar. *Backscatter*, Alliance for Marine Remote Sensing Association, August, 12-20.
- , L.S. Meadows, J.M. Daida, P.E. Hansen, C.C. Teague, D.M. Fernandez, and J.D. Paduan, 1999: Surface Current Measurements by HF Radar over Fresh Water at Lake Michigan and Lake Tahoe. *Proceedings of the IEEE Sixth Working Conference on Current Measurement*, 33-37.

ENVIRONMENTAL ASSESSMENTS (PRIMARY AUTHOR)

- Moss Landing Power Plant Modernization Project: Evaluation of Proposed Discharge System with Respect to the Thermal Plan. Duke Energy Moss Landing, LLC for the California Energy Commission and the California Regional Water Quality Control Board, 28 April 2000.

- Morro Bay Power Plant Modernization Project: Thermal Discharge Study Plan. Duke Energy Morro Bay, LLC for the California Energy Commission and the California Regional Water Quality Control Board, 10 October 2000.
- Morro Bay Power Plant Modernization Project: Thermal Discharge Assessment Report. Duke Energy Morro Bay, LLC for the California Energy Commission and the California Regional Water Quality Control Board, 11 May 2001.
- Moss Landing Power Plant Post Modernization Thermal Plume Evaluation Plan. Duke Energy Moss Landing, LLC for the California Energy Commission and the California Regional Water Quality Control Board, 9 April 2002.
- Moss Landing Power Plant Post-Modernization Thermal Plume Evaluation. Duke Energy Moss Landing, LLC for the California Energy Commission and the California Regional Water Quality Control Board, 26 August 2003.

PUBLISHED ABSTRACTS

- Chavez, F.P., R. Barber, F. Chai, Y. Chao, A. DeVogelaere, J. Kindle, R. Maffione, B. Marinovic, J. McWilliams, and J. Paduan, 2002: On the need for simulations of coastal ocean physics and ecosystems (SCOPE). *Eos Trans. AGU*, 83 (4), Ocean Sci. Meeting Suppl, Abstract OS110-07.
- Chavez, F.P., J.T. Pennington, C.A. Collins, J.D. Paduan, B. Marinovich, and J. Bellingham, 2002: Ocean Observatory efforts in and around Monterey Bay, California, 1930 to the present. *Eos Trans. AGU*, 83 (47), Fall Meet. Suppl., OS71F-03.
- Cook, M.S., J.D. Paduan, P.M. Kosro, and J.A. Barth, 1994: Drifting buoy observations of eddies in the eastern boundary current. *Transactions, American Geophysical Union*, **75**, 151.
- de Szoek, R.A. and J. D. Paduan, 1985: Heat and Energy Balances in the Upper Ocean during STREX. Abstract M6-13, IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii.
- Durazo, R., I. Shulman, J. Paduan, L. Rosenfeld, and S. Ramp, 2002: Modeling and model-data comparisons in the Monterey Bay area. *Eos Trans. AGU*, 83 (4), Ocean Sci. Meeting Suppl, Abstract OS41M-02.
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- Flynn, K.M., R.A. Maffione, F. P. Chavez, S.R. Ramp, J.D. Paduan, L.K. Rosenfeld, and C.A. Collins, 2000: Optical time-series data from the Monterey Bay Innovative Coastal-Ocean Observing Network (ICON). *Transactions, American Geophysical Union*, **80**, OS203.
- Foster, M.D., C. Wash, J.D. Paduan, and L.K. Rosenfeld, 1994: Evolution of diurnal surface winds and CODAR-derived surface currents for Monterey Bay. *Transactions, American Geophysical Union*, **75**, 52-53.
- Kelly, K.A., R.C. Beardsley, R. Limeburner, and J.D. Paduan, 1996: A comparison of Topex/Poseidon altimeter data and near-surface drifters in the California Current. *Transactions, American Geophysical Union*, **76**, supp., 131.

- Kosro, P.M., and J.D. Paduan, 2002: Shore-based mapping of ocean surface currents at long range using 5 MHz HF backscatter. *Eos Trans. AGU*, 83 (4), Ocean Sci. Meeting Suppl, Abstract OS21E-101.
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- Le, Ngoc Ly, P. Luong, J.D. Paduan, 1998: A variable-resolution, 3-D circulation model for the Monterey Bay region and its summer simulations. *Transactions, American Geophysical Union*, **79**, F406.
- , R.W. Garwood, J.D. Paduan, A.Y. Benilov, P.V. Luong, 2000: On circulation-wave coupling with a surface wave parameterization. *Transactions, American Geophysical Union*, **81**, F696.
- Lemon, M.R., J.L. McClean, and J.D. Paduan, 1996: Comparison of Los Alamos National Laboratory (POP) 1/6-degree model fields with Pacific surface drifter measurements. *Transactions, American Geophysical Union*, **77**, F367-368.
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- , —, —, and J.D. Paduan, 2000: Analysis of the surface velocity field in Monterey Bay using normal modes. *Transactions, American Geophysical Union*, **80**, OS203.
- , —, —, and —, 2001: Characteristics of surface velocities in Monterey Bay from normal mode analysis. *Transactions, American Geophysical Union*, **82**, S23.
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- Paduan, J.D., 2000: An Innovative Coastal-Ocean Observing Network (ICON). *Transactions, American Geophysical Union*, **80**, OS203.
- , and M.S. Cook, 1994: Remotely sensed, two-dimensional surface currents in Monterey Bay from HF radar (CODAR) and satellite-tracked drifting buoys. *Transactions, American Geophysical Union*, **75**, 180.
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- , —, and J.G. Richman, 1985: Upper Ocean Heat and Momentum Budgets from a Drifting Buoy during the Mixed Layer Dynamics Experiment (MILDEX). Abstract O3-12, IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii.
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- , D.M. Fernandez, C.C. Teague, J.F. Vesecky, and K. Laws, 1998: Surface currents along the continental shelf south of Chesapeake Bay from HF radar. *Transactions, American Geophysical Union*, **79**, 149.
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