

PUBLICATIONS  
January 1 through December 31, 1997

- Aksnes, D. L., C. B. Miller, M. D. Ohman, and S. N. Wood. Estimation techniques used in studies of zooplankton population dynamics—a review of underlying assumptions. *Sarsia* 82:279–296.
- Barnes, J. T., M. Yaremko, and T. Bishop. Status of the Pacific mackerel resource during 1996 and management recommendations for the fishery. Calif. Dep. Fish Game, MRD Admin. Rep. 97-2, 32 pp.
- Barnes, J. T., M. Yaremko, L. Jacobson, N. C. H. Lo, and J. Stehly. Status of the Pacific sardine (*Sardinops sagax*) resource in 1996. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-237, 40 pp.
- Baturin, N. G., and P. P. Niiler. Effects of instability waves in the mixed layer of the Equatorial Pacific. *J. Geophys. Res.* 102(C13):27,771–27,794.
- Bedford, D., J. Kashiwada, and G. Walls. Biological surveys of Santa Monica Bay Artificial Reef and Topanga Artificial Reef. Calif. Dep. Fish Game, MRD Admin. Rep. 96-3.
- Berger, W. H., C. B. Lange, and A. Weinheimer. Silica depletion of the thermocline in the eastern North Pacific during glacial conditions: clues from Ocean Drilling Program Site 893, Santa Barbara Basin, California. *Geology* 25(7):619–622.
- Biondi, F., C. B. Lange, M. K. Hughes, and W. H. Berger. Interdecadal signals during the last millennium (AD 1117–1992) in the varve record of Santa Barbara Basin, California. *Geophys. Res. Lett.* 24(2):193–196.
- . The near-AD 1600 multi-proxy puzzle. In *Proceedings of the Thirteenth Annual Pacific Climate (PACLIM) Workshop*, Asilomar, California, April 14–17, 1996, pp. 169–191.
- Botsford, L. W., C. L. Maloney, J. L. Largier, and A. Hastings. Metapopulation dynamics of meroplanktonic invertebrates: the Dungeness crab as an example. *Proc. of the North Pacific Symp. on Invertebrate Stock Assessment and Management*, March 1995, Nanaimo, B.C. (Canada).
- Brinton, E. Euphausiacea. Chap. 9 in *Introducción del zooplancton Marino*, R. Gasca and E. Suárez, eds. *El Colegio de la Frontera Sur (ECOSUR)/CONACYT*, México, pp. 297–337.
- Butler, J. L., and R. N. Nishimoto. Growth and cohort dynamics of larval Pacific hake, *Merluccius productus*. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:63–68.
- Chereskin, T. K., W. D. Wilson, H. L. Bryden, A. Field, and J. Morrison. Observations of the Ekman balance at 8°30'N in the Arabian Sea during the 1995 southwest monsoon. *Geophys. Res. Lett.* 24(2):2541–2544.
- Dayton, P. K., K. W. England, and E. A. Robson. An unusual sea anemone, *Dactylanthus antarcticus* (Clubb, 1908) (Order Ptychodactaria), on gorgonians in Chilean fjords. In *Proceedings of the 6th International Conference on Coelenterate Biology*. The Leeuwenhorst, Noordwijkerhout, The Netherlands 16–21 July 1995, J. C. den Hartog, ed. Leiden: National Natuurhistorisch Museum, pp. 135–142.
- Franks, P. J. S. Coupled physical-biological models for the study of harmful algal blooms. *Ocean Res.* 19:153–160.
- . Models of harmful algal blooms. *Limnol. Oceanogr.* 42 (5 part 2):1273–1282.
- . New models for the exploration of biological processes at fronts. *ICES J. Mar. Sci.* 54:161–167.
- . Spatial patterns in dense algal blooms. *Limnol. Oceanogr.* 42 (5 part 2):1297–1305.
- Franks, P. J. S., and L. J. Walstad. Phytoplankton patches at fronts: a model of formation and response to wind events. *J. Mar. Res.* 55:1–29.
- Graham, W. M., and J. L. Largier. Upwelling shadows as nearshore retention sites: the example of northern Monterey Bay. *Cont. Shelf Res.* 17(5):509–532.
- Hall, M. M., P. P. Niiler, and W. J. Schmitz Jr. Circulation in the eastern North Pacific: results from a current meter array along 152°W. *Deep-Sea Res.* 1 44(7):1137–1146.
- Hayward, T. L. Pacific Ocean climate change: atmospheric forcing, ocean circulation and ecosystem response. *Trends Ecol. Evol.* 12(4):150–154.
- Hearn, C. J., and J. L. Largier. The summer buoyancy dynamics of a shallow Mediterranean estuary and some effects of changing bathymetry: Tomales Bay, California. *Estuarine Coastal Shelf Sci.* 45:497–506.
- Henry, F., and D. A. Hanan, eds. Review of some California fisheries for 1996. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:7–21.
- Horne, J. K., and P. E. Smith. Space and time scales in Pacific hake recruitment processes: latitudinal variation over annual cycles. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:90–102.
- Jacobson, L. D., N. C.-H. Lo, and M. Yaremko. Status of the northern anchovy stock (central subpopulation) during the 1996–1997 season. *SWFSC Admin. Rep.*, La Jolla, LJ-97-08, 11 pp.
- Kaufman, L., and P. Dayton. Impacts of marine resource extraction on ecosystem services and sustainability. In *Nature's services, societal dependence on natural ecosystems*, G. C. Daily, ed., pp. 275–293.
- Lange, C. B., A. L. Weinheimer, F. M. H. Reid, and R. C. Thunell. Sedimentation patterns of diatoms, radiolarians, and silicoflagellates in Santa Barbara Basin, California. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:161–170.
- Largier, J. L., S. V. Smith, and J. T. Hollibaugh. Seasonally hypersaline estuaries in Mediterranean-climate regions. *Estuarine Coastal Shelf Sci.* 45:789–797.
- Levin, L., and S. Edesa. The ecology of cirratulid mudballs on the Oman Margin, NW Arabian Sea. *Mar. Biol.* 128:671–678.
- Levin, L. A., N. Blair, D. DeMaster, G. Plaia, W. Fornes, and C. Martin. Rapid subduction of organic matter by malmanid polychaetes on the North Carolina Slope. *J. Mar. Res.* 55:595–611.
- Levin, L. A., J. Gage, P. Lamont, L. Cammidge, A. Patience, and C. Martin. Infaunal community structure in a low-oxygen organic rich habitat on the Oman Continental Slope, NW Arabian Sea. In *Responses of marine organisms to their environment*, L. Hawkins, S. Hutchinson, A. Jensen, J. Williams, and M. Shearer, eds. *Proc. 30th European Marine Biology Symposium*. Southampton, England, 1995, pp. 223–230.
- Lo, N. C. H., D. Griffith, and J. R. Hunter. Using a restricted adaptive cluster sampling to estimate Pacific hake larval abundance. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:103–113.
- Lyons, M. L. G. Contours of California. *SWFSC Admin. Rep.*, La Jolla, LJ-97-04C, 106 pp.
- McKee-Lewis, K. K. Rapid changes and growth of California's live finfish fishery. *Proceedings of the Marketing and Shipping Live Aquatic Products '96*. Seattle, Wash., pp. 116–120.
- McKee-Lewis, K. K., and R. B. Read. Southern California fisheries monitoring summary for 1993 and 1994. *Calif. Dep. Fish Game, MRD Admin. Rep.* 97-4, 24 pp.
- Moser, H. G., N. C. H. Lo, and P. E. Smith. Vertical distribution of Pacific hake eggs in relation to stage of development and temperature. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:120–126.
- Mullin, M. M. The demography of *Calanus pacificus* during winter-spring Californian El Niño conditions, 1992–1993: implications for anchovy? *Fish. Oceanogr.* 6(1):10–18.
- . Trends and problems in publication in oceanography and marine biology: implications for developing Pacific scientists. In *Proceedings of the international symposium held at the 1997 annual meeting of the Oceanographic Society of Japan in Tsukuba on 21 April 1997*, pp. 11–13.
- Mullin, M. M., and S. L. Cass-Calay. Vertical distributions of zooplankton and larvae of the Pacific hake (whiting), *Merluccius productus*, in the California Current system. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:127–136.
- Mundy, B. C., and H. G. Moser. Development of early stages of pelagic armorhead *Pseudopentaceros wheeleri* with notes on juvenile *Ps. richardsoni* and larval *Histiopterus typus* (Pisces, Percoidei, Pentaceroideae). *Bull. Mar. Sci.* 61(2):241–269.
- Niiler, P. P. Selected scientific papers of Peter Niiler: 1964–1996; volumes I & II. *SIO Ref. Series*, 97–9.
- Ohman, M. D. On the determination of zooplankton lipid content and the occurrence of gelatinous copepods. *J. Plankton Res.* 19:1235–1250.
- Osgood, K. E., and D. M. Checkley Jr. Seasonal variations in a deep aggregation of *Calanus pacificus* in the Santa Barbara Basin. *Mar. Ecol. Prog. Ser.* 148:59–69.
- Owen, S. L. White seabass research requires anglers help. *Outdoor Calif.* 58(1):8–9.
- Ralph, E. A., B. Kenong, P. P. Niiler, Y. du Penhoat. A Lagrangian description of the western equatorial Pacific response to the wind burst of December 1992: heat advection in the warm pool. *J. Climate* 10(7):1706–1721.

- Read, R. B. Guide to ocean sportfishing in San Diego County. Calif. Dep. Fish Game, MRD. 19 pp.
- Read, R. B., and S. Graham. What difference does one make? *Outdoor Calif.* 58(5):17–18.
- Reid, J. L. On the total geostrophic circulation of the Pacific Ocean: flow patterns, tracers and transports. *Prog. Oceanogr.* 39(4):263–352.
- Schlosser, P., B. Kromer, B. Ekwurzel, G. Bönsch, A. McNichol, R. Schneider, K. Reden, H. G. Östlund, and J. H. Swift. The first trans-Arctic 14°C Section: comparison of the mean ages of the deep waters in the Eurasian and Canadian Basins of the Arctic Ocean. *Nuclear Instruments and Methods in Physics Research, Section B, North-Holland Physics Pub.* 123:431–437.
- Schneider, D. C., R. Walters, S. Thrush, and P. Dayton. Scale-up of ecological experiments: density variation in the mobile bivalve *Macomona liliana*. *J. Exp. Mar. Biol. Ecol.* 216:129–152.
- Schwing, F. B., T. L. Hayward, K. M. Sakuma, T. Murphree, A. S. Mascarenas Jr., S. I. Larios Castillo, A. W. Mantyla, S. L. Cummings, F. P. Chavez, K. Baltz, and D. G. Ainley. The state of the California Current, 1996–1997: mixed signals from the tropics. *Calif. Coop. Oceanic Fish. Invest. Rep.* 38:22–47.
- Strub, P. T., T. K. Chereskin, P. P. Niiler, C. James, and M. D. Levine. Altimeter-derived variability of surface velocities in the California Current system: part 1—evaluation of TOPEX altimeter velocity resolution. *J. Geophys. Res.* 102:12,727–12,748.
- Tegner, M. J., and P. K. Dayton. Shifting baselines and the problem of reduced expectations in nearshore fisheries. In *California and the World Ocean '97*, O. T. Magoon, H. Converse, B. Baird, and M. Miller-Henson, eds. Reston, Va.: American Society of Chemical Engineers, pp. 119–128.
- Tegner, M. J., P. K. Dayton, P. B. Edwards, and K. L. Riser. Large-scale, low-frequency oceanographic effects on kelp forest succession: a tale of two cohorts. *Mar. Ecol. Prog. Ser.* 146:117–134.
- Thrush, S. F., V. J. Cummings, P. K. Dayton, R. Ford, J. Grant, J. E. Hewitt, A. H. Hines, S. M. Lawrie, R. D. Pridmore, P. Legendre, B. H. McArdle, D. C. Schneider, S. J. Turner, R. B. Whitlatch, and M. R. Wilkinson (New Zealand, USA, Canada, Scotland). Matching the outcome of small-scale density manipulation experiments with larger scale patterns an example of bivalve adult/juvenile interactions. *J. Exp. Mar. Biol. Ecol.* 216:153–169.
- Thrush, S. F., R. D. Pridmore, R. G. Bell, V. J. Cummings, P. K. Dayton, R. Ford, J. Grant, M. O. Green, J. E. Hewitt, A. H. Hines, S. M. Lawrie, P. Legendre, B. H. McArdle, D. Morrisey, D. C. Schneider, S. J. Turner, R. A. Walters, R. B. Whitlatch, and M. R. Wilkinson (New Zealand, USA, Canada, Scotland). The sandflat habitat: scaling from experiments to conclusions. *J. Exp. Mar. Biol. Ecol.* 216:1–9.
- Thrush, S. F., D. C. Schneider, P. Legendre, R. B. Whitlatch, P. K. Dayton, J. E. Hewitt, A. H. Hines, V. J. Cummings, S. M. Lawrie, J. Grant, R. D. Pridmore, S. J. Turner, and B. H. McArdle (New Zealand, Canada, USA, Scotland). *Scaling-up from experiments to complex ecological systems: where to next?* *J. Exp. Mar. Biol. Ecol.* 216:243–254.
- Van Meurs, P., and P. P. Niiler. The temporal variability of the large scale geostrophic surface velocity in the northeast Pacific. *J. Phys. Oceanogr.* 27:2288–2297.
- Venrick, E. L. Comparison of the phytoplankton species composition and structure in the Climax area (1973–1985) with that of station ALOHA (1994). *Limnol. Oceanogr.* 42(7):1643–1648.
- Vetter, R. D., and E. A. Lynn. Bathymetric demography, enzyme activity patterns, and bioenergetics of deep-living scorpaenid fishes (genera *Sebastes* and *Sebastolobus*): paradigms revisited. *Mar. Ecol. Prog. Ser.* 155:173–188.
- Wertz, S. P. California saltwater angling and diving records: up to the challenge? *Outdoor Calif.* 58(4):24–27.
- Wertz, S. P., and M. L. Domeier. Relative importance of prey items to California halibut. *Calif. Dep. Fish Game* 83(1):21–29.