

## PUBLICATIONS

January 1 through December 31, 1995

- Adams, P. B., J. L. Butler, C. H. Baxter, T. E. Laidig, K. A. Dahlin, and W. W. Wakefield. Population estimates of Pacific coast groundfishes from video transects and swept-area trawls. *Fish. Bull. U.S.* 93:446–455.
- Barlow, J., and D. Hanan. 1995. An assessment of the status of harbor porpoise in central California. *Rep. Int. Whal. Comm. (Special Issue 16)*, pp. 123–140.
- Brey, T., J. S. Pearce, L. V. Basch, J. B. McClintock, and M. Slattery. Growth and production of *Sterechinus neumayeri* (Echinodermata: Echinoidea) in McMurdo Sound, Antarctica. *Mar. Biol.* 124:279–292.
- Butler, J. L., C. Kastle, K. Rubin, D. Kline, H. Heijinis, L. Jacobson, A. Andrews, and W. W. Wakefield. Age determination of shortspine thornyhead *Sebastes alascanus*, using otolith sections and 210Pb:226Ra ratios. *NMFS, SWFSC Admin. Rep. #LJ-95-12*, 22 pp.
- Chereskin, T. K. Direct evidence for an Ekman balance in the California Current. *J. Geophys. Res.* 100:18261–18269.
- Churnside, J. H., K. Bliss, R. Dotson, and R. Lynn. Data report: in situ data from 1994 lidar cruise of R/V *David Starr Jordan*. NOAA Data Rep., Boulder, Colo., ERL-ETL-5, 53 pp.
- Emerson, S., and T. L. Hayward. Chemical tracers of biological processes in shallow waters of North Pacific: preformed nitrate distributions. *J. Mar. Res.* 53:499–513.
- Freese, S., J. Glock, and D. Squires. Direct allocation of resources and cost-benefit analysis in fisheries. *Mar. Pol.* 19(3):199–211.
- Frouin, R. J., and J. J. Simpson. Radiometric calibration of GOES-7 VISSR solar channels during the GOES Pathfinder benchmark period. *Rem. Sens. Environ.* 52:95–115.
- Genin, A., G. Gal, and L. R. Haury. Copepod carcasses in the ocean. II. Near coral reefs. *Mar. Ecol. Prog. Ser.* 123:65–71.
- Haney, J. C., L. R. Haury, L. S. Mullineaux, and C. L. Fey. Sea-bird aggregation at a deep North Pacific seamount. *Mar. Biol.* 123:1–9.
- Haury, L. R., and H. Yamazaki. The dichotomy of scales in the perception and aggregation behavior of zooplankton. *J. Plankton Res.* 17:191–197.
- Haury, L. R., C. Fey, G. Gal, A. Hobday, and A. Genin. Copepod carcasses in the ocean. I. Over seamounts. *Mar. Ecol. Prog. Ser.* 123:57–63.
- Hayward, T. L., D. R. Cayan, P. J. S. Franks, R. J. Lynn, A. W. Mantyla, J. A. McGowan, P. E. Smith, F. B. Schwing, and E. L. Venrick. The state of the California Current in 1994–1995: a period of transition. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:19–39.
- Jacobson, L. D., and A. D. MacCall. Stock-recruitment models for Pacific sardine (*Sardinops sagax*). *Can. J. Fish. Aquat. Sci.* 52:566–577.
- Jacobson, L. D., N. C. H. Lo, S. F. Herrick, Jr., and T. Bishop. Spawning biomass of the northern anchovy in 1995 and status of the coastal pelagic fishery during 1994. *NMFS, SWFSC Admin. Rep. #LJ-95-11*, 49 pp.
- Laidig, T. E., P. B. Adams, C. H. Baxter, and J. L. Butler. Feeding on euphausiids by *Octopus rubescens*. *Calif. Fish Game* 8(2):77–79.
- Lange, C. B., and D. Boltovskoy. Trampas de sedimento. In *Manual de metodos ficologicos*, K. Alveal, M. E. Ferrario, E. C. Oliveira and E. Sars, eds. Universidad de Concepcion, Concepcion, Chile, pp. 93–118.
- Lange, C. B., and A. Schimmelmann. Data report: X-radiography of selected, predominantly varved intervals at Hole 893A. In *Proceedings of the Ocean Drilling Program, scientific results*, J. P. Kennett, J. G. Baldauf, and M. Lyle, eds. 146 (Pt. 2): 333–346, College Station, TX (Ocean Drilling Program).
- Levin, L. A., and T. S. Bridges. Pattern and diversity in reproduction and development. Chapter 1 In *Marine invertebrate larvae*, L. McEdward, ed. Boca Raton, Fla.: CRC Press, pp. 1–48.
- Levin, L. A., and C. DiBacco. Influence of sediment transport on short-term recolonization by seamount infauna. *Mar. Ecol. Prog. Ser.* 123:163–175.
- Lynn, R. J., F. B. Schwing, and T. L. Hayward. The effect of the 1991–1993 ENSO on the California Current System. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:57–71.
- Mantyla, A. W., and J. L. Reid. On the origins of deep and bottom waters of the Indian Ocean. *J. Geophys. Res.* 100(C2):2417–2439.
- Mantyla, A. W., E. L. Venrick, and T. L. Hayward. Primary production and chlorophyll relationships, derived from ten years of CalCOFI measurements. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:159–166.
- Matsuura, Y., and R. Hewitt. Changes in the spatial patchiness of Pacific mackerel, *Scomber japonicus*, larvae with increasing age and size. *Fish. Bull. U.S.* 93:172–178.
- McGowan, J. A. HOT and the North Pacific gyre. *Scientific Correspondence. JRE*, 378:21–22.
- Moore, L. R., R. Goericke, and S. W. Chisholm. Comparative physiology of *Synechococcus* and *Prochlorococcus*: influence of light and temperature on growth, pigments, fluorescence and absorptive properties. *Mar. Ecol. Ser.* 116:259–275.
- Mullin, M. M. Nauplii of the copepod, *Calanus pacificus*, off southern California in the El Niño winter–spring of 1992, and implications for larval fish. *J. Plankton Res.* 17:183–189.
- . The California El Niño of 1992 and the fall of *Calanus*. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:175–178.
- Ohman, M. D., and P. E. Smith. A comparison of zooplankton sampling methods in the CalCOFI time series. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:153–158.
- Ohman, M. D., and S. N. Wood. The inevitability of mortality. *ICES J. Mar. Sci.* 52:517–522.
- Roemmich, D., and J. McGowan. Climatic warming and the decline of zooplankton in the California Current. *Science* 267:1324–1326.
- Schubart, C. D., L. V. Basch, and G. Miyasato. Recruitment of *Balanus glandula* Darwin (Crustacea: Cirripedia) into empty barnacle tests and its ecological consequences. *J. Exp. Mar. Biol. Ecol.* 186:143–181.
- Simpson, J. J., and J. I. Gobat. (a) Improved cloud detection in GOES scenes over land. *Remote Sens. Environ.* 52:36–54.
- . (b) Improved cloud detection in GOES scenes over the oceans. *Remote Sens. Environ.* 52:79–94.
- Simpson, J. J., and R. H. Keller. An improved fuzzy logic segmentation of sea ice, clouds and ocean in remotely sensed arctic imagery. *Remote Sens. Environ.* 54:290–312.
- Simpson, J. J., and A. Tajeldin. Alternative scenarios for automated higher level satellite product generation via Internet, Sistema Terra (invited). ST9 (vol. IV), 38–46.
- Simpson, J. J., J. I. Gobat, and R. Frouin. Improved de-stripping of GOES images using finite impulse response filters. *Remote Sens. Environ.* 52:15–35.
- Smith, P. E. A warm decade in the Southern California Bight. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:120–126.
- . Development of the population biology of the Pacific hake, *Merluccius productus*. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:144–152.
- Squires, D., and J. Kirkley. Resource rents from single and multispecies individual transferable quota programs. *ICES J. Mar. Sci.* 52:153–164.
- Squires, D., J. Kirkley, and C. A. Tisdell. Individual transferable quotas as a fisheries management tool. *Rev. Fish. Sci.* 3(2):141–169.
- Tegner, M. J., P. K. Dayton, P. B. Edwards, and K. L. Riser. Sea urchin cavitation of giant kelp (*Macrocystis pyrifera* C. Agardh) holdfasts and its effects on kelp mortality across a large California forest. *J. Exp. Mar. Biol. Ecol.* 191:83–99.
- Tegner, M. J., P. K. Dayton, P. B. Edwards, K. L. Riser, D. B. Chadwick, T. A. Dean, and L. Deysher. Effects of a large sewage spill on a kelp forest community: catastrophe or disturbance? *Mar. Environ. Res.* 40:181–224.
- Venrick, E. L. Scales of variability in a stable environment: phytoplankton in the central North Pacific. *Ecological Time Series*, Chapman & Hall, 10:150–180.
- . Muestreo y submuestreo del fitoplancton marino y dulceacuicola. *Manual de Metodos Ficologicos*, K. Alveal, M. E. Ferrario, E. C. Oliviera and E. Sar, eds. Universidad de Concepcion, Concepcion, Chile, pp. 199–218.
- Wishner, K. F., C. J. Ashjian, C. Gelfman, M. Gowing, L. Kann, L. Levin, L. Mullineaux, and J. Saltzman. Pelagic and benthic ecology of the lower interface of the Eastern Tropical Pacific oxygen minimum zone. *Deep-Sea Res.* 42:93–115.
- Yhann, S. R., and J. J. Simpson. Application of neural networks to cloud segmentation. *IEEE Trans. Geosciences and Remote Sensing* 33:590–604.