

PUBLICATIONS

January 1 through December 31, 1983

- Alheit, J., B. Alegre, V.H. Alarcón, and B. Macewicz. 1983. Batch fecundity and spawning frequency of various anchovy (genus: *Engraulis*) populations from upwelling areas and their use for spawning biomass estimates. In G.D. Sharp and J. Csirke (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. FAO Fish. Rep. 291 (3):977-985.
- Ambrose, D.A., J.L. Butler, H.G. Moser, B.Y. Sumida, E.M. Sandknop, and E. G. Stevens. 1983. Description of larvae of the cusk eels *Ophidion scrippsae* and *Chilara taylori* (family Ophidiidae). Calif. Coop. Oceanic Fish. Invest. Rep. 24:226-234.
- Ames, J.A., R.A. Hardy, and F.E. Wendell. 1983. Tagging materials and methods for sea otters, *Enhydra lutris*. Calif. Fish Game 69(4):243-252.
- Bagarinao, T. and J.R. Hunter. 1983. The visual feeding threshold and action spectrum of northern anchovy (*Engraulis mordax*) larvae. Calif. Coop. Oceanic Fish. Invest. Rep. 24:245-254.
- Bakun, A. 1983. Report of the working group on environmental studies and monitoring. In J. Csirke and G.D. Sharp (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. FAO Fish. Rep. 291 (1):41-54.
- Bedford, D.W., and F.B. Hagerman. 1983. The billfish fishery resource of the California Current. Calif. Coop. Oceanic Fish. Invest. Rep. 24:70-78.
- Boschung, H.T., J.D. Williams, D.W. Gotshall, D.K. Caldwell, and M.C. Caldwell. 1983. The Audubon Society field guide to North American fishes, whales and dolphins. Alfred A. Knopf, New York, 848 p.
- Bretschneider, D.E., and D.R. McLain. 1983. Sea level variations at Monterey, California. NOAA Tech. Rep. NMFS SSRF-761, 50 p.
- Brewer, P.G., W.S. Broecker, W.J. Jenkins, P.B. Rhines, C.D. Rooth, J.H. Swift, T. Takahashi, and R.T. Williams. 1983. A climatic freshening of the deep Atlantic north of 50°N over the past 20 years. Science 222:1237-1239.
- Cailliet, G.M., and D.W. Bedford. 1983. The biology of three pelagic sharks from California waters, and their emerging fisheries: a review. Calif. Coop. Oceanic Fish. Invest. Rep. 24:57-69.
- Collier, P. C. 1983. Movement and growth of post-larval Dungeness crabs, *Cancer magister*, in the San Francisco area. In P.W. Wild, and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish. Bull. 172:125-134.
- Crooke, S.J. 1983. Yellowtail, *Seriola lalandei* Valenciennes. Calif. Coop. Oceanic Fish. Invest. Rep. 24:84-87.
- Cullen, J.J., E. Stewart, E. Renger, R.W. Eppley, and C.D. Winant. 1983. Vertical motion of the thermocline, intracline and chlorophyll maximum layers in relation to currents on the southern California shelf. J. Mar. Res. 41:239-262.
- Dahlstrom, W.A., and P.W. Wild. 1983. A history of Dungeness crab fisheries in California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:7-24.
- Dickey, T.D., and J.J. Simpson. 1983. The influence of optical water type on the diurnal response of the upper ocean. Tellus 35(B):142-154.
- . 1983. The sensitivity of upper ocean structure to time varying wind direction. Geophys. Res. Lett. 10(2):133-136.
- Ebert, E.E., and R.M. Hamilton. 1983. Ova fertility relative to temperature and to the time of gamete mixing in the red abalone, *Haliotis rufesens*. Calif. Fish Game 69(2):115-120.
- Ebert, E.E., A.W. Hazeltine, J.L. Houk, and R.O. Kelly. 1983. Laboratory cultivation of the Dungeness crab, *Cancer magister*. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish. Bull. 172:259-310.
- Eppley, R.W., E.H. Renger, and P.R. Betzer. 1983. The residence time of particulate organic carbon in the surface layer of the ocean. Deep-Sea Res. 30:311-323.
- Farley, T.C. 1983. The Dungeness crab research program: direction and organization. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:25-28.
- Fiedler, P.C. 1983. Satellite remote sensing of the habitat of spawning anchovy in the Southern California Bight. Calif. Coop. Oceanic Fish. Invest. Rep. 24:202-209.
- Fleminger, A. 1983. Description and phylogeny of *Isaacsicalanus paucisetus*, n. gen., n. sp., (Copepoda:Calanoida:Spinocalanidae) from an East Pacific hydrothermal vent site (21°N). Proc. Biol. Soc. Wash. 98(4):605-622.
- Froelich, P.N., K.H. Kim, R. Jahnke, W.C. Burnett, A. Soutar, and M. Deakin. 1983. Pore water fluoride in Peru continental margin sediments: uptake from seawater. Geochim. Cosmochim. Acta 47:1605-1612.
- Gomez, L.S., D.M. Talbert, M.G. Marietta, R.R. Hessler, K.L. Smith, A.A. Yayanos, and D.W. Jackson. 1983. Biological ramifications of the sub-seabed disposal of high-level nuclear wastes. In P.K. Park, D.R. Kester, I.W. Duedal, and B.H. Ketchum (eds.), Wastes in the ocean, vol. 3, radioactive wastes and the ocean. John Wiley and Sons, New York, p. 411-427.
- Guard, H.E., L.H. DiSalvo, J. Ng, and P.W. Wild. 1983. Hydrocarbons in Dungeness crabs, *Cancer magister*, and estuarine sediments. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:243-258.
- Hanan, D.A. 1983. Bluefin tuna in the eastern north Pacific Ocean. Calif. Coop. Oceanic Fish. Invest. Rep. 24:97-98.
- Hardwick, J.E. 1983. Management strategies for sablefish in California, Oregon, Washington. In Proceedings of the International Sablefish Symposium, March 29-31, 1983, Anchorage, Alaska. Alaska Sea Grant Rep. 83-3, Univ. of Alaska.
- Harrison, F.L., J.R. Lam, and R. Berger. 1983. Sublethal responses of *Mytilus edulis* to increased dissolved copper. In R. E. Wildung and E.A. Jenne, (eds.), Biological availability of trace metals. Elsevier, Amsterdam, p. 14-158.

PUBLICATIONS

CalCOFI Rep., Vol. XXV, 1984

- Hatfield, S.E. 1983. Intermolt staging and distribution of Dungeness crab, *Cancer magister*, megalopae. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:85-96.
- . 1983. Distribution of zooplankton in association with Dungeness crab, *Cancer magister*, larvae in California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:97-124.
- Haugen, C.W. 1983. Field and laboratory studies of toxic trace elements in Dungeness crabs. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:227-238.
- . 1983. Chlorinated hydrocarbon pesticides and chlorinated biphenyls in Dungeness crabs. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:239-242.
- Haury, L.R., P.H. Wiebe, M.H. Orr, and M.G. Briscoe. 1983. Tidally generated high-frequency internal wave packets and their effects on plankton in Massachusetts Bay. J. Mar. Res. 41:65-112.
- Hayward, T.L., E.L. Venrick, and J.A. McGowan. 1983. Environmental heterogeneity and plankton community structure in the central North Pacific. J. Mar. Res. 41:711-729.
- Hessler, R.R. 1983. A defense of the caridoid facies, wherein the early evolution of the Eumalacostraca is discussed. In F. R. Schram (ed.), Crustacean phylogeny. A. A. Balkema, Rotterdam, p. 145-164.
- Hessler, R.R., and G.D. Wilson. 1983. The origin and biogeography of malacostracan crustaceans in the deep sea. Spec. Publ., Systematics Assoc., London, p. 227-254.
- Hewitt, R.P. 1983. Roll, heave, and vertical ichthyoplankton tows. Ocean Science and Engineering 8(1):41-51.
- Hewitt, R.P., and G.D. Brewer. 1983. Nearshore production of young anchovy. Calif. Coop. Oceanic Fish. Invest. Rep. 24:235-244.
- Horne, A.J., M. Bennett, R. Valentine, R.E. Selleck, P.P. Russell, and P.W. Wild. 1983. The effects of chlorination of wastewater on juvenile Dungeness crabs in San Francisco Bay waters. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:215-226.
- Ingham, M.C., and D.R. McLain. 1983. Sea surface temperatures in the northwestern Atlantic in 1980. Annales Biologiques 37:34-38.
- Ingram, C.L., and R.R. Hessler. 1983. Distributional and behavioural patterns of scavenging amphipods from the central North Pacific. Deep-Sea Res. 30:683-706.
- Karpov, K.A. 1983. Effect of substrate type on survival and growth in high density communal cultures of juvenile Dungeness crabs, *Cancer magister*. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:311-318.
- Kato, S. 1983. An overview of California squid fisheries and the California light fishery. Proc. West Coast Squid Symp., February 1-2, 1983, Newport, Oregon. Oregon State Univ. Marine Advisory Prog. Publication, p. 22-27.
- Klingbeil, R.A. 1983. Is marine recreational fisheries management possible? In R.H. Stroud (ed.), Marine recreational fisheries, Sport Fishing Institute, Washington, D.C., p. 205-216.
- . 1983. Pacific mackerel: a resurgent resource and fishery of the California Current. Calif. Coop. Oceanic Fish. Invest. Rep. 24:35-45.
- . 1983. Status of the spawning biomass of the Pacific sardine 1982-1983. Calif. Fish Game, Admin. Rep. 83-1:1-5.
- Lasker, R., and A. MacCall. 1983. New ideas on the fluctuations of the clupeoid stocks off California. Proceedings of the Joint Oceanographic Assembly 1982, General Symposia, Dalhousie Univ., Halifax, Nova Scotia, Canada, p. 110-120.
- Laurs, R.M. 1983. The North Pacific albacore—an important visitor to California Current waters. Calif. Coop. Oceanic Fish. Invest. Rep. 24:99-106.
- Lea, R.N. 1983. Current approaches to and problems with rockfish systematics. Proc. 1983 Western Groundfish Workshop. Abstract.
- . 1983. *Sebastes atrorubens* Gilbert, 1898, a junior synonym of *Sebastes atrovirens* (Jordan and Gilbert, 1880), with notes on individual variation in the species. Bull. So. Calif. Acad. Sci., 82(3):147-149.
- Lea, R.N., and D.J. Miller. 1983. Shark attacks off the California and Oregon coast: an update. Annual meeting So. Calif. Acad. Sci. May 6-7, 1983. Abstract no. 66.
- Levine, M., R. de Szoeke, and P. Niiler. 1983. Internal waves in the upper ocean during MILE. J. Phys. Oceanogr. 13(2):240-257.
- Loeb, V.J., P.E. Smith, and H.G. Moser. 1983. Ichthyoplankton and zooplankton abundance patterns in the California Current area, 1975. Calif. Coop. Oceanic Fish. Invest. Rep. 24:109-131.
- . 1983. Geographical and seasonal patterns of larval fish species structure in the California Current area, 1975. Calif. Coop. Oceanic Fish. Invest. Rep. 24:132-151.
- . 1983. Recurrent groups of larval fish species in the California Current area. Calif. Coop. Oceanic Fish. Invest. Rep. 24:152-164.
- MacCall, A.D. 1983. Report of the working group on resources study and monitoring. In J. Csirke and G.D. Sharp (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. FAO Fish. Rep. 291(1):9-39.
- . 1983. Variability of pelagic fish stocks off California. In G.D. Sharp and J. Csirke (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. FAO Fish. Rep. 291(2):101-112.
- MacCall, A.D., K.R. Parker, R. Leithiser, and B. Jessee. 1983. Power plant impact assessment: a simple fishery production model approach. Fish. Bull., U.S. 81:613-619.
- MacCall, A.D., and G.D. Stauffer. 1983. Biology and fishery potential of jack mackerel (*Trachurus symmetricus*). Calif. Coop. Oceanic Fish. Invest. Rep. 24:46-56.
- MacGregor, J.S. 1983. Growth of the blue rockfish (*Sebastes mystinus*). Calif. Coop. Oceanic Fish. Invest. Rep. 24:216-225.
- McLain, D.R., and D.H. Thomas. 1983. Year-to-year fluctuations of the California Countercurrent and effects on marine organisms. Calif. Coop. Oceanic Fish. Invest. Rep. 24:165-181.

- Mantyla, A.W., and J.L. Reid. 1983. Abyssal characteristics of the world ocean waters. *Deep-Sea Res.* 30(8A):805-833.
- Moser, H.G., D.A. Ambrose, M.S. Busby, J.L. Butler, E.M. Sandknop, B.Y. Sumida, and E.G. Stevens. 1983. Description of early stages of white seabass, *Atractoscion nobilis*, with notes on distribution. *Calif. Coop. Oceanic Fish. Invest. Rep.* 24:182-193.
- Nelson, C.S., and D.M. Husby. 1983. Climatology of surface heat fluxes over the California Current region. U.S. Dep. Commer. NOAA Tech. Rep. NMFS SSRF 763, 155 p.
- Parrish, R.A., A. Bakun, D.M. Husby, and C.S. Nelson. 1983. Comparative climatology of selected environmental processes in relation to eastern boundary current pelagic fish reproduction. In G.D. Sharp and J. Csirke (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. *FAO Fish. Rep.* 291 (3):731-777.
- Phelan, J.E. 1983. First Californian record of the Amarillo snapper, *Lutjanus argentiventris*. *Calif. Fish Game* 69(2):121.
- Pickwell, G.V., R.L. Bezy, and J.E. Fitch. 1983. Northern occurrences of the sea snake, *Pelamis platurus*, in the eastern Pacific, with a record of predation on the species. *Calif. Fish Game* 69(3):172-177.
- Picquelle, S.J., and R.P. Hewitt. 1983. The northern anchovy spawning biomass for the 1982-83 California fishing season. *Calif. Coop. Oceanic Fish. Invest. Rep.* 24:16-28.
- Reid, J.L. 1983. Oxygen saturation in near-surface ocean waters. *EOS, Trans. Amer. Geophys. Un.* 64(52):1062. Abstract.
- Reilly, P.N. 1983. Ocean and estuarine conditions during Dungeness crab critical stage larval studies. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:43-56.
- . 1983. Dynamics of Dungeness crab, *Cancer magister*, larvae off central and northern California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:57-84.
- . 1983. Predation on Dungeness crabs, *Cancer magister*, in central California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:155-164.
- . 1983. Effects of commercial trawling on Dungeness crab survival. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:165-170.
- Santander, H., J. Alheit, A.D. MacCall, and A. Alamo. 1983. Egg mortality of the Peruvian anchovy (*Engraulis ringens*) caused by cannibalism and predation by sardines (*Sardinops sagax*). In G.D. Sharp and J. Csirke (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. *FAO Fish. Rep.* 291 (3):1011-1025.
- Schultze, D.L. 1983. California barracuda life history, fisheries, and management. *Calif. Coop. Oceanic Fish. Invest. Rep.* 24:88-96.
- Simpson, J.J. 1983. Large-scale thermal anomalies in the California Current during the 1982-83 El Niño. *Geophys. Res. Lett.* 10(10):937-940.
- . 1983. Anomalous thermal structure in the California Current during the 1982-83 El Niño. *Trop. Ocean-Atmos. Newsl.* 21:22.
- . 1983. Large-scale thermal anomalies in the California Current during the 1982-83 El Niño. *EOS, Trans. Amer. Geophys. Un.* 64(45):725. Abstract.
- Smith, K.L., Jr. 1983. Metabolism of two dominant epibenthic echinoderms measured at bathyal depths in the Santa Catalina Basin. *Mar. Biol.* 72:249-256.
- Smith, K.L., Jr., and N.O. Brown. 1983. Oxygen consumption of pelagic juveniles and demersal adults of the deep-sea fish, *Sebastolobus altivelis*, measured at depth. *Mar. Biol.* 76:325-332.
- Smith, K.L., Jr., M.B. Laver, and N.O. Brown. 1983. Sediment community oxygen consumption and nutrient exchange in the central and eastern North Pacific. *Limnol. Oceanogr.* 28:882-898.
- Smith, P.E., H. Santander, and J. Alheit. 1983. Comparison of egg sample probability distributions of the anchovy (*Engraulis ringens*) and sardine (*Sardinops sagax*) off Peru and the anchovy (*E. mordax*) and the sardine (*Sardinops caerulea*) off California. In G.D. Sharp and J. Csirke (eds.), Proceedings of the Expert Consultation to examine changes in abundance and species of neritic fish resources. San Jose, Costa Rica, April 18-29, 1983. *FAO Fish. Rep.* 291 (3):1027-1038.
- . 1983. Technical detail of a cruise plan for the anchoveta spawning biomass estimate. *Instituto del Mar del Peru Boletín* 7(2):25-41.
- Soule, M., and R.N. Tasto. 1983. Stock identification studies on the Dungeness crab, *Cancer magister*. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:39-42.
- Squire, J.L., Jr. 1983. Abundance of pelagic resources off California 1963-1978, as measured by an airborne fish monitoring program. NOAA Tech. Rep. NMFS-SSRF-762, 75 p.
- Squire, J.L., Jr., and D.V. Nielsen. 1983. Results of a tagging program to determine migration by an airborne fish monitoring program. NOAA Tech. Rep. NMFS-SSRF-772, 19 p.
- Stauffer, G.D. 1983. Calibration of northern anchovy spawning biomass estimates derived by egg production and larval census methods. *Calif. Coop. Oceanic Fish. Invest. Rep.* 24:11-15.
- Stevenson, J., and P. Niiler. 1983. Upper ocean heat budget during the Hawaii-to-Tahiti shuttle experiment. *J. Phys. Oceanogr.* 13(10):1894-1907.
- Swift, J.H., T. Takahashi, and H.D. Livingston. 1983. The contribution of the Greenland and Barents seas to the deep water of the Arctic Ocean. *J. Geophys. Res.* 88:5981;5986.
- Tasto, R.N. 1983. Dungeness crab critical stage studies, an introduction. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness Crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:29-38.
- . 1983. Juvenile Dungeness crab, *Cancer magister*, studies in the San Francisco Bay area. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. *Calif. Dept. Fish Game, Fish Bull.* 172:135-154.
- Venrick, E.L. 1983. Percent similarity: the prediction of bias. *Fish. Bull.* 81(2):375-387.

PUBLICATIONS

CalCOFI Rep., Vol. XXV, 1984

- . 1983. The marine recreational fisheries of the California Current. In R.H. Stroud (ed.), Marine recreational fisheries, Proc. 8th Annual Marine Recreational Fisheries Symp., San Diego, April 26-27, 1983. Sport Fishing Inst., Washington, D.C., p. 13-26.
- VenTresca, D.A., R.N. Lea, and R.D. McAllister. 1983. Movement of tagged rockfishes along the central California coast. Proc. 1983 Western Groundfish Workshop. Abstract.
- Vojkovich, M., and R.J. Reed. 1983. White seabass, *Atractoscion nobilis*, in California-Mexican waters: Status of the fishery. Calif. Coop. Oceanic Fish. Invest. Rep. 24:79-83.
- Wild, P.W. 1983. Dungeness crab environment project studies: objectives and approach. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:171-174.
- . 1983. Comparisons of ovary development in Dungeness crabs, *Cancer magister*, in central and northern California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:189-196.
- . 1983. The influence of seawater temperature on spawning, egg development, and hatching success of the Dungeness crab, *Cancer magister*. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:197-214.
- Wild, P.W., P.M.W. Law, and D.R. McLain. 1983. Variations in ocean climate and the Dungeness crab fishery in California. In P.W. Wild and R.N. Tasto (eds.), Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. Calif. Dept. Fish Game, Fish Bull. 172:175-188.
- Winlund, E., J. West, C. West, C. Davis, and D. Gotshall. 1983. Chartguide Mexico West. Chartguide Ltd., Anaheim, Calif., 76 p.
- Young, P.D., and C.S. Cox. 1983. Second order magnetic anomalies of the ocean. Final report to Office of Naval Research (N00014-75-C-0999).