

## Appendix C

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# PUBLICATIONS

The Project distributes news of its progress and findings through several types of documents. The papers (contributions) listed below have been published or accepted for publication in scientific journals or proceedings volumes during the past year. We have also produced six technical memoranda since July 1975: These informal documents contain data or preliminary results that may be of immediate interest to other marine researchers. Much of the material in the technical memoranda will be published in final form in papers or technical reports in the future.

The Project issues periodic progress reports that contain information about our current projects, changes in staff, and new facilities and equipment: Two of these reports have been issued since July 1975. Progress Report 13, published early in 1974, is a pamphlet containing general information on our organization and staff (copies are available through the Project office).

### CONTRIBUTIONS, 1975-76

Allen, M.J. 1976. Addition of *Citharichthys fragilis* Gilbert to the California fauna. To be published in Calif. Fish and Game. Contribution 24.

Word, J.Q. 1976. A swimming crab *Euphylax dori* Stimpson 1860, new to the marine fauna of California. Calif. Fish and Game 62:161. Contribution 25.

McDermott, D.J., G.V. Alexander, D.R. Young, and A.J. Mearns. 1976. Metal contamination of flatfish around a large submarine outfall. To be published in J. Water Pollut. Cont. Fed. Contribution 36.

Alexander, G.V., and D.R. Young. 1976. Trace metals in southern California mussels. Mar. Pollut. Bull. 7:7-9. Contribution 41.

Young, D.R., D.J. McDermott, T.C. Heesen, and D.A. Hotchkiss. 1975. DDT residues in bottom sediments, crabs and flatfish off southern California submarine outfalls. Bull. Calif. Water Pollut. Control Assoc. 12:62-66. Contribution 45.

Young, D.R., D.J. McDermott, and T.C. Heesen. 1976. Aerial fallout of DDT in southern California. To be published in Bull. Environm. Contam. Toxic. Contribution 46.

Allen, M.J., H. Pecorelli, and J.Q. Word. 1976. Marine organisms associated with outfall pipes in Santa Monica Bay, California. To be published in J. Water Pollut. Control Fed. Contribution 47.

Smith, R.W., and C.S. Greene. 1976. Patterns in biological communities in an area of wastewater discharge. To be published in J. Water Pollut. Control Fed. Contribution 48.

Young, D.R., D.J. McDermott, and T.C. Heesen. DDT in sediments and organisms around southern California outfalls. To be published in J. Water Pollut. Control Fed. Contribution 49.

Young, D.R., D.J. McDermott, and T.C. Heesen. 1976. Polychlorinated biphenyls off southern California. Paper presented at the International Conference on Environmental Sensing, 14-19 September 1975, Las Vegas, Nevada. To be published in proceedings volume. Contribution 50.

Mearns, A.J., P.S. Oshida, M.J. Sherwood, D.R. Young, and D.J. Reish. 1976. Effects of trivalent and hexavalent chromium on coastal marine organisms. To be published in J. Water Poll. Control Fed. Contribution 51.

McDermott, D.J., D.R. Young, and T.C. Heesen. 1976. PCB contamination of southern California marine organisms. Presented at the National Conference on Polychlorinated Biphenyls, 19-21 November 1975, Chicago, 111. To be published in the proceedings volume (available as TM 223). Contribution 53.

Young, D.R., D.J. McDermott, and T.C. Heesen. 1976. Marine inputs of polychlorinated biphenyls off southern California. Presented at the National Conference on Polychlorinated

Biphenyls, 19-21 November 1975, Chicago, 111. To be published in the proceedings volume (available as TM 224) . Contribution 54.

Young, D.R., T.C. Heesen, and D.J. McDermott. 1976. An off-shore biomonitoring system for chlorinated hydrocarbons using intertidal mussels. To be published in Mar. Pollut. Bull. Contribution 56.

Alexander, G.V., D.R. Young, D.J. McDermott, M.J. Sherwood, A.J. Mearns, and D.R. Lunt. 1976. Marine organisms in the Southern California Bight as indicators of pollution. Paper presented at the International Conference on Heavy Metals in the Environment, 27-31 October 1975. Toronto, Ontario, Canada. To be published in the proceedings volume. Contribution 57.

Eganhouse, R.P., Jr., and D.R. Young. 1976. Mercury in tissues of mussels off southern California. To be published in Mar. Pollut. Bull. Contribution 58.

Reish, D.J., T.W. Kawling, and A.J. Mearns. 1976. Marine and estuarine pollution. J. Water Pollut. Control Fed. 48:1439-59. Contribution 60.

Bascom, W., A.J. Mearns, and M.D. Moore. 1976. A biological survey of oil platforms in the Santa Barbara Channel. To be published in J. Petroleum Technol. and J. Soc. Petroleum Engineers. Contribution 61.

Sherwood, M.J., and A.J. Mearns. 1976. Occurrence of tumor-bearing Dover sole (*Microstomus pacificus*) off Point Arguello, California, and off Baja California, Mexico. To be published in Trans. Amer. Fish. Soc. Contribution 62.

Mearns, A.J. 1975. *Poeciliopsis gracilis* (Heckel) , a newly introduced poeciliid fish in California. Calif. Fish and Game 61:251-253. Contribution 63.

Young, D.R. 1976. Recommendations for marine science standard reference materials based on studies in southern California. Paper presented at the Workshop on Standard Reference Materials for Marine Science, 8-9 October 1975, Santa Catalina Island, California. To be published in a National Bureau of Standards publication. Contribution 71.

Reish, D.J., J.M. Martin, F.M. Piltz, and J.Q. Word. 1976. The effect of heavy metals on laboratory populations of two polychaetes with comparisons to the water quality conditions and standards in southern California marine waters. Water Research 10:299-302. Contribution 73.

#### TECHNICAL MEMORANDA, 1975-76

Eganhouse, R.P., Jr. 1975. The measurement of total and organic mercury in marine sediments, organisms, and water. TM 221.

Allen, M.J., J.B. Isaacs, and R.M. Voglin. 1975. Hook-and-line survey of demersal fishes in Santa Monica Bay. TM 222.

McDermott, D.J., D.R. Young, and T.C. Heesen. 1975. Polychlorinated biphenyls in marine organisms off southern California. TM 223.

Young, D.R., D.J. McDermott, and T.C. Heesen. 1975. Polychlorinated biphenyl inputs to the Southern California Bight. TM 224.

Oshida, P.S., A.J. Mearns, D.J. Reish, and L.S. Word. 1976. The effects of hexavalent and trivalent chromium on *Neanthes avenaceodentata*. TM 225.

Eganhouse, R.P., Jr., J.N. Johnson, D.R. Young, and D.J. McDermott. 1976. "Mercury in southern California waters: Inputs, distribution, and fate. TM 227.

#### REPORTS TO SPONSORS

Greene, C.S. 1975. Multivariate analysis of benthic ecosystems at a marine wastewater discharge site. Task report to the U.S. Environmental Protection Agency, Grant R801152.

Mearns, A.J., and M.J. Allen. 1975. Use of small otter trawls in coastal biological surveys. Task report to the U.S. Environmental Protection Agency, Grant R801152.

Sherwood, M.J., and A.J. Mearns. 1975. Diseases of southern California coastal fishes. Task report to the U.S. Environmental Protection Agency, Grant R801152.

Greene, C.S. 1976. Responses of benthic infauna to the initiation and termination of sewage discharge. Task report to the U.S. Environmental Protection Agency, Grant R801152.

Mearns, A.J., and M.D. Moore. 1976. Biological study of Oil Platforms Hilda and Hazel, Santa Barbara Channel, California. Final report to the Institute of Marine Resources, Scripps Institution of Oceanography, University of California, San Diego.

Word, J.Q., T.J. Kawling, and A.J. Mearns. 1976. A comparative field study of benthic sampling devices used in southern California benthic surveys. Task report to the U.S. Environmental Protection Agency, Grant R801152.

Young, D.R., T.C. Heesen, and D.J. McDermott-Ehrlich. 1976. Synoptic survey of chlorinated hydrocarbon inputs to the Southern California Bight. Final report to the U.S. Environmental Protection Agency, Grants R801153 and R803707.

Mearns, A.J., M.J. Allen, L.S. Word, J.Q. Word, C.S. Greene, M.S. Sherwood, and B. Myers. 1976. Quantitative responses of demersal fish and benthic invertebrate communities to coastal municipal wastewater discharges. Final report to the U.S. Environmental Protection Agency, Grant R801152.