

## Striped Bass Migration, Salmon Runs, and Squid Fishing

. . . . **Though striped bass migration has been accepted for many years**, recovery of a California-tagged specimen in Oregon waters has now provided "hard evidence" for the belief, the California Department of Fish and Game reports. The female striper, tagged as a 26-inch, 5-year-old 8 April 1975 on the San Joaquin River near Antioch, Calif., was found dead off Coos Bay, Oreg. by a crab fisherman on 26 September 1975. It weighed about 8 pounds and was about 29 inches long. . . .

. . . . **A long-range, space-assisted program to spot early red tide stages** has been approved by the Florida Department of Natural Resources and the National Aeronautics and Space Administration's Goddard Space Flight Center in Greenbelt, Md., the FDNR has announced. By detecting subtle color variations in coastal waters with photographic overflights and on-site sampling, changes in concentration and species of marine phytoplankton populations, especially the red tide organism, *Gymnodium breve*, might be noted. . . .

. . . . **The 21st annual meeting of Atlantic Fisheries Technologists** will be held at Newport, R. I., reports Jeffrey L. Howe, seafood technologist with the University of Rhode Island's Marine Advisory Service, and president of the organization. The URI Sea Grant Program will host the event 17-20 October 1976 at the Sheraton Islander Hotel. The conference will feature the latest developments in seafood processing technology and will be slanted toward the seafood industry. . . .

. . . . **A multi-year study of the mid-Atlantic outer continental shelf (OCS)** is being conducted by Virginia Institute of Marine Science oceanographers under sponsorship of the Bureau of Land Management, Department of Interior, VIMS reports. Information acquired will serve as benchmark data and enable future assessment of environmental

conditions in the event of OCS oil and gas development. Monitored will be hydrocarbons and trace-metal levels, benthic organism and zooplankton community structures, bacteria distribution and activity, will be determined, and natural tumor rates of benthic organisms. . . .

. . . . **Good Atlantic Ocean squid fishing** was found last summer by Japan's semi-governmental Marine Fishery Resources Research Center squid vessel, the 422 GT *Hoyo Maru No. 63*. Beginning 3 June, the vessel averaged about 3.8 tons per day according to the *Suisan Keizai Shimibun*. The assigned catch target was 210 metric tons, and by 20 July the vessel had taken about 170 tons of medium-sized (18.6 cm) immature "surume" squid. Fishing was done at depths of about 200 meters. . . .

. . . . **Appointment of Maryon Brechin, Etobicoke, Ontario, and Robert J. Uffen, Kingston, Ontario, to 5-year terms on the Fisheries Research Board of Canada** has been announced by Environment Canada. Brechin is Immediate Past President of the Consumers' Association of Canada. She is also a Director of the Canadian Institute of Public Affairs. Uffen, Dean of the Faculty of Applied Science, Queen's University, is a former Chairman of the Defense Research Board, Member of the National Research Council, Chief Scientific Advisor to the Cabinet, and Dean of Science at Western University. . . .

. . . . The landlocked University of Oklahoma has received a \$90,000 Sea Grant to continue its **search for marine organism extracts that might be used in treating cancer**, hypertension, and cardiovascular disease, the National Oceanic and Atmospheric Administration reports. Since 1971 the Oklahoma scientists have provided the National Cancer Institute with extracts from 1,665 marine species for testing against experimental tumor systems. Of these,

104 have been confirmed as active against leukemia in mice and 30 against human cancer cells in tissue culture. Organisms of greatest interest to the scientists include corals, sea whips, sea fans, anemones, sponges, and others low on the evolutionary ladder. . . .

. . . . **U.S. Senator Claiborne deB. Pell has received the national Sea Grant Award for 1975**, the University of Rhode Island reports. The award recognizes contributions to the understanding and utilization of ocean resources. Senator Pell, an author of the act creating the national Sea Grant College Program, was presented his award by the Sea Grant Association at its eighth annual conference in Biloxi, Miss. on 29 October 1975. Past recipients include Athelstan F. Spilhaus, special assistant to NOAA Administrator Robert M. White, Wilbert M. Chapman, Lauren R. Donaldson, Wayne H. Tody, and John A. Knauss. . . .

. . . . **The second European Ichthyological Congress will be held 8-11 September 1976 in Paris, France**, the *IMS Newsletter* reports. The scientific program is divided into four major topics (Evolution of Fishes; Zoogeography, Ecology, and Behavior; Fish and Mankind; and Ichthyology and Ichthyologists), each with a series of invited lectures and individual contributions. Further information is available from the General Secretary, J.-C. Hureau, Museum national d'Histoire naturelle, Dynamique des Populations aquatiques, 43, rue Cuvier, 75231 Paris Cedex 05 France. . . .

. . . . **The record 14,261 pink salmon returning to Alaska's Auke Creek** near Juneau in 1975 shows the feasibility of hatching salmon eggs in gravel incubation systems, according to the Department of Fish and Game. The average pink salmon run in Auke Creek before gravel incubator use was about 2,500 fish with a high of about 3,800. Runs of 4,948 fish in 1973 and 6,260 fish in 1974 were also attributed to the gravel incubation system. Average 1975 fry survival was 1.1 percent. The experimental Auke Creek hatchery was built and operated under a cooperative agreement with the National Marine Fisheries Service, the Alaska Department of Fish and Game, and Territorial Sportsmen. . . .