

acre pond to be reared. The rest of the fish will be used in laboratory experiments involving water temperatures and different types of food.

Bering King Crab Catch Record Set

Fishermen caught a record 27 million pounds of king crab in the Bering Sea this year, reports the Alaska Department of Fish and Game. The catch was more than five million pounds greater than the previous maximum harvest in 1972 and returned nearly \$16 million to the 65 boats involved in the fishery.

The Board of Fish and Game had set a quota of 23 million pounds of king crab in the Bering Sea for the period beginning June 15 and the

area was closed on Sept. 9 when the quota was filled. The other four million pounds had been caught before the quota period began. Bering Sea fishermen have also landed about 300,000 pounds of tanner crab and the area remained open for fishing of this species.

An increase in the number of legal crabs per pot lift indicates that fishing success was higher in 1973 than it has been in previous years. Department biologists say that this may indicate that king crab populations have increased somewhat following a decline from 1966 to 1969 and a period of stable, low abundance from 1970 to 1972. However, the fleet is becoming increasingly mobile each year and is now harvesting king crab stocks in areas where the species has not been fished before.

Publications

University of Rhode Island Publications

The following is a list of recent publications available from the University of Rhode Island Marine Advisory Service. To order the publications direct, make requests to Marine Advisory Service, University of Rhode Island, Narragansett Bay Campus, Narragansett, RI 02882. Make all checks payable to the University of Rhode Island.

"Ecology of Small Boat Marinas," Technical Report No. 5—Order Number P-165, is a 20-page report written by Dr. Scott Nixon, Dr. Candace Oviatt and Sharon Northby, marine biologists at URI's Graduate School of Oceanography. Their principal conclusion: marshes and marinas seem able to peacefully coexist. Much of the same kind of animals and plants that flourished in the marsh also flourished in the marina. The authors have several recommendations on siting and management. \$1.00.

"Chartwork for Fishermen and Boat Operators," Marine Bulletin No. 10—

Order Number P-127, is an 86-page handbook that will enable commercial and sports fishermen or pleasure boat owners to learn or improve their proficiency in chartwork. A few of the subjects covered are reading of the chart, practical chartwork, how to steer a course to combat estimated current and wind, use of the marine sextant and use of soundings to estimate position. \$3.00.

"Navigation for Fishermen and Boat Operators," Marine Bulletin No. 10—Order Number P-131, is designed to teach the basics of deep sea celestial navigation—plotting a course out of sight of land by knowing positions of the moon, sun or stars. The text continues where Chartwork for Fishermen and Boat Operators, stops. The book is divided into two parts: one on principles of navigation and the other on practical problems including use of nautical tables. Seventy-five pages. \$3.50.

"Fisheries Cooperatives: Their Formation and Operation", Marine Memorandum 30—Order Number P-136. This publication is based on a workshop of fisheries cooperatives, held spring (1972) at Galilee, RI. Topics cover how to organize and finance a fisheries cooperative; role of the manager; marketing agreements technical operations; and community relations. Several New England fisheries cooperatives are discussed. Eighteen pages. Free.

Recent NMFS Scientific Publications

NOAA Technical Report NMFS CIRC-378. Borror, Arthur C. "Marine flora and fauna of the northeastern United States. Protozoa: Ciliophora." September 1973. 62 p. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Price: 65 cents.

ABSTRACT

This manual includes an introduction on the general biology, an illustrated key, an annotated systematic list, a selected bibliography, and an index to the marine ciliated Protozoa of coastal and estuarine waters of New England. The key facilitates identification to family of nonencysted, nondividing marine ciliates at any stage in the life cycle.

NOAA Technical Report NMFS SSRF-670. Van Meter, Harry D. "Unharvested fishes in the U.S. commercial fishery of western Lake Erie in 1969." July 1973. 11 p. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Price: 25 cents.

ABSTRACT

Potential commercial fish production was estimated for U.S. waters of western Lake Erie in 1969 from pounds landed and pounds