Marine Fisheries

REVIEW



On the cover: Anchored fish aggregating devices, growing in use, are discussed in the article beginning on page 1. Illustration by Harold L. Spiess.



Articles September 1981, 43(9) Anchored Fish Aggregating Devices in Hawaiian Waters Walter M. Matsumoto, Thomas K. Kazama, and Donald C. Aasted 1 The Performance and Environmental Thomas L. Meyer, Effects of a Hydraulic Clam Dredge Richard A. Cooper, and Kenneth J. Pecci 14 A Comparison of Rearing Costs and Returns of Selected Herbivorous, Omnivorous, and Carnivorous Aquatic Species Yung C. Shang 23 **Departments** NOAA/NMFS Developments Developing Fish Resources to Offset Trade Deficits and Hormone Research for Pacific Salmon 25 Foreign Fishery Developments Mexico's Fisheries and Their Development, Research Vessel Requirements, and Peru's Fish Meal Industry 26 **Publications** Salmonid Broodstock, Black Cod, Fishing Piers, Locating and Counting Fishes, Freezing Salmon, Southeast Asian Aquaculture, and African and Japanese Fisheries 31

U.S. DEPARTMENT OF COMMERCE

Malcolm Baldrige, Secretary

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

John V. Byrne, Administrator

National Marine Fisheries Service

Editor: W. Hobart

Marine Fisheries Review (USPS 090-080) is published monthly by the Scientific Publications Office, National Marine Fisheries Service, NOAA, 7600 Sand Point Way N.E., Bin C15700, Seattle, WA 98115.

Single copies and annual subscriptions are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Prices are: Single copy, \$1.10 domestic, \$1.40 foreign; annual subscription, \$13.00 domestic, \$16.25 foreign. Copies of individual articles, in limited numbers are available from D822, User Services Branch, Environmental Science Information Center, NOAA, Rockville, MD 20852. News items are not reprinted.

Publication of material from sources outside the NMFS is not an endorsement and the NMFS is not responsible for the accuracy of facts, views, or opinions of these sources.

The Secretary of Commerce has determined that

the publication of this periodical is necessary for the transaction of public business required by law of this Department. Use of the funds for printing this periodical has been approved by the Director of the Office of Management and Budget through 30 June 1983.

The NMFS does not approve, recommend or endorse any proprietary product or proprietary material mentioned in this publication. No reference shall be made to NMFS, or to this publication furnished by NMFS, in any advertising or sales promotion which would indicate or imply that NMFS approves, recommends, or endorses any proprietary product or proprietary material mentioned herein, or which has as its purpose an intent to cause directly or indirectly the advertised product to be used or purchased because of this NMFS publication. Second class postage paid at Finance Department, USPS, Washington, DC 20260.