U.S. DEPARTMENT OF COMMERCE Frederick B. Dent, Secretary

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Robert M. White, Administrator

National Marine Fisheries Service Robert W. Schoning, Director



Address correspondence to: Marine Fisheries Review, NMFS Scientific Publications Staff, Room 450, 1107 N.E. 45th St., Seattle, WA 98105.

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

Although the contents have not been copyrighted and may be reprinted freely, reference to source is appreciated.

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director, Office of Management and Budget, May 10, 1973.

Editor: Thomas A. Manar

Managing Editor: Willis L. Hobart

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Price \$1.25 (single copy). Subscription price: \$12.50 a year, \$15.75 a year for foreign mailing.

Marine Fisheries Review

Vol. 36, No. 10 October 1974

CONTENTS

Articles

- 1 Development of the Pelagic Red Crab (Galatheidae, *Pleuroncodes planipes*) Fishery in the Eastern Pacific Ocean, Susumu Kato
- 10 Introducing New Products into Seafood Markets, Morton M. Miller
- 14 The Recreational Fishery on Three Piers near St. Petersburg, Florida during 1971, William A. Fable, Jr. and Carl H. Saloman
- 19 Menhaden and Power Plants-A Growing Concern, James S. Young
- 24 Deepwater Shrimp Trapping in the Hawaiian Islands, Paul Struhsaker and Donald C. Aasted
- 31 Attitudinal and Demographic Characteristics for Regular and Irregular Users of Fresh Finfish, Peter M. Sanchez and Leonard J. Konopa
- 35 Plastic Turf Substitute for Gravel in Salmon Incubators, Jack E. Bailey and Sidney G. Taylor

Departments

- 38 NOAA/NMFS Developments
- 43 Foreign Fishery Developments
- 45 Fishery Notes
- 46 Publications
- 47 In Brief

Cover.—Pink salmon alevins seen through a plexiglass wall of an experimental incubator at the NMFS Auke Bay laboratory which utilizes AstroTurf as a substrate. The photograph was taken about 2 weeks after the alevins had hatched. The alevins are about 20mm long and the tufts of the AstroTurf are about 20mm long. The original photograph was taken by Sidney G. Taylor on 35-mm Kodachrome X film with a Minolta SRT-101 camera, using a Rokkor macrolens at 13.5 and 1/60 second and a Vivitar autoflash. A 4- by 5-inch black and white negative was prepared by Jerrold M. Olson on Professional copy film with an MP-3 copy camera. See article beginning on page 35.