

# Marine Fisheries REVIEW



On the cover: Flounder fillets with lime. See the article on the status of data sources on fish consumption in the United States on page 20.

## Articles

48(3), 1986

- National Marine Fisheries Service  
Habitat Conservation Efforts in the Southeast  
Region of the United States From 1981 Through 1985  
*Andreas Mager, Jr., and Gordon W. Thayer* 1
- Inshore Environmental Effects on Brown Shrimp,  
*Penaeus aztecus*, and White Shrimp, *P. setiferus*,  
Populations in Coastal Waters, Particularly of Texas  
*Zoula P. Zein-Eldin and Maurice L. Renaud* 9
- Status of Data Sources on  
Fish Consumption in the United States  
*D. J. Wagstaff, M. Meaburn,  
M. Bolger, S. Conrath, and B. Hackley* 20
- The Resurgence of the U.S. Swordfish Market  
*Douglas W. Lipton* 24
- U.S. Tuna Trade Summary, 1984  
*Samuel F. Herrick, Jr., and Steven J. Koplín* 28
- Irradiation and Potassium Sorbate Compared as  
Preservation Treatments for Atlantic Cod, *Gadus morhua*  
*J. J. Licciardello,  
E. M. Ravesi, and D. L. D'Entremont* 38
- Microbiological Air Quality Assessment  
of Seafood Plants as Impacted by Solid Waste  
*Donn R. Ward and Debra J. O. Hopson* 42
- Estimating Total Length of Headless  
White Hake, *Urophycis tenuis*, Landed in Maine  
*Edwin P. Creaser and Kerry M. Lyons* 46
- Estimating Total Length of Headless  
Anglerfish, *Lophius americanus*, Landed in Maine  
*Kerry M. Lyons and Edwin P. Creaser* 50

## Departments

- NOAA/NMFS Developments 54
- Foreign Fishery Developments 59
- Publications 76

### U.S. DEPARTMENT OF COMMERCE

**Malcolm Baldrige, Secretary**

### NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

**Anthony J. Calio, Administrator**

**William E. Evans, Assistant  
Administrator for Fisheries**

**National Marine Fisheries Service**

**Editor: W. Hobart**

The *Marine Fisheries Review* (ISSN 0090-1830) is published quarterly 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: Single copy, \$4.00 domestic, \$5.00 foreign; annual subscription, \$8.75 domestic; \$10.95 foreign.

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 the 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.

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 is paid in Seattle, Wash., and additional offices. Postmaster: Send address changes for subscriptions to Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.