



**OUR CHANGING FISHERIES** - Sidney Shapiro, Editor, available from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, \$9 a copy.

This book was produced by specialists of the National Marine Fisheries Service. Its editor, Dr. Sidney Shapiro, has retired from NMFS after many years of noteworthy service in the U.S. and abroad.

Its story line ties the background of U.S. fisheries to today's complex, often-troubled industry--and points the direction these fisheries are likely to take in the future. Those who believe that the world's No. 1 problem is the population explosion will find special interest in the discussion of the ocean's food potential.

Dr. Shapiro writes:

"The fisheries are complex. Our experts are concerned with a multitude of technical subjects, as diverse, for example, as the classification of species, life history studies, exploratory fishing, gear and vessel development, chemical and physical analysis of the environment, and management of the re-

sources. Other experts are concerned with utilization, that is, the combined effort in processing and marketing that puts the aquatic resources before you as savory seafood. Fish is even an important element in growing the chicken and eggs that you eat."

A "fishery" is many things: it is fishing; it is the place to catch fish or other marine resources; it is fishermen and the establishment they constitute; it is the technology involved; it is the legal right to catch fish at a certain place or in certain waters.

Sharing their knowledge of our commercial fishery resources in this book are biologists, chemists, bacteriologists, economists, administrators, trade specialists, and others.

The book is as attractive as it is informative. It contains many colorful maps, drawings, and graphics prepared by Bob Hines, artist-illustrator for the Bureau of Sport Fisheries and Wildlife, and George Lampathakis, Art Director for Creative Arts Studio.

The breadth and depth of the enterprise captained by Dr. Shapiro reflect the experience of a century-old organization.

## COASTAL ZONES

"Coastal Zone Management: Multiple Use With Conservation," edited by J. F. Peel Brahtz, 352 pages, \$19.50. John Wiley & Sons, Inc., Publishers, 605 Third Avenue, New York, N.Y. 10016.

There are demands on the coastal zone by diverse groups. To develop good policies and viable objectives, regional planners must combine the opinions and advice of scientists, engineers, economists, public officials, and the public. The book is aimed at persons who contribute to, or benefit from, the management function.

Part I examines the "multiple use of Coastal Zone resources in terms of the structure and conflict of goals." Part II discusses technological requirements and resources. It suggests how technology can be applied to the problem of goal conflict.

The book is a useful reference for: public planners, who must "formulate concepts of land use" that comply with public policy while getting the most use out of it; land developers; conservation groups; students and specialists.

## CONTENTS

## Part 1: GOALS AND MULTIPLE-USE

National Goals, State's Interests, and Jurisdictional Factors  
 Conservation of Biological Resources of the Coastal Zone  
 Social Needs and the Urban-Marine Environment  
 Traffic and Transport Needs at the Land-Sea Interface  
 Conservation of Mineral Resources of the Coastal Zone

## Part 2: SYSTEMS PLANNING AND ENGINEERING

Systems Planning and Control: Coastal Regions  
 Information Systems and Data Requirements: Coastal Development Planning  
 Ocean Installations: State of Technology  
 Marine Waste Disposal Systems: Alternatives and Consequences  
 Marine Transport Systems: State of Technology

## LAMPREYS

"The Biology of Lampreys," edited by M. W. Hardisty and I. C. Potter, Vol. 1, 423 pages, \$22.50. Available from Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1, and Academic Press Inc., 111 Fifth Avenue, New York, N.Y. 10003.

Lampreys are very important to biologists for two reasons: in their study of developmental biology and evolution--and as laboratory animals for physiological and biochemical research. In recent years, biologists have made significant progress in studies of lampreys during their larval life as microphagous feeders and as parasites in their adult stage.

The editors say no attempt had been made to "collate and review" recent developments. The 2-volume work tries to do this.

Students of vertebrate zoology will find detailed background information on the "systematics, life histories, ecology and behaviour of lampreys."

The destructive role of lampreys in the U.S. Great Lakes is discussed.

## CONTENTS OF VOL. 1

Distribution, Phylogeny and Taxonomy  
 Lampreys in the Fossil Record  
 The Behaviour, Ecology and Growth of Larval Lampreys  
 The General Biology of Adult Lampreys  
 Sea Lampreys in the Great Lakes of North America  
 Paired Species  
 The Chromosomes  
 Gonadogenesis, Sex Differentiation and Gametogenesis  
 Embryology

## SALT-WATER FISHING

"Salt-Water Fishing From Boats," by Milt Rosko, paperback, \$2.45, Collier Books, 866 Third Avenue, New York 10022.

The book aims to give the fisherman the information he needs to fish successfully in the Atlantic, Pacific, and in the Gulf of Mexico. It describes each coastline separately. The author tells how to get the most out of a fishing trip. He explains chumming, trolling,