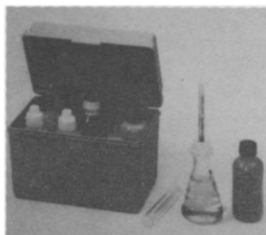


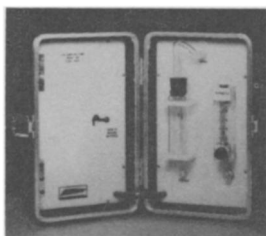
# Practical Science Teaching Units from LaMotte Chemical For Air-Water-Soil Sampling & Measurement

## WATER ANALYSIS



Portable water analysis outfits for limnology & oceanography studies and pollution detection projects.

## AIR ANALYSIS



Complete systems for air pollution analysis including portable sampling pump, impinging apparatus, chemical test outfits.

## SOIL ANALYSIS



Plant nutrient & soil studies: testing equipment and demonstrations including soil analysis, hydroponics, and plant tissue testing.

## ENVIRONMENTAL SCIENCE INSTRUMENTS



Quality electronic instruments include battery operated pH meter, conductivity meter, temperature meter and combination meter outfit.

**SEND TODAY FOR THE PRACTICAL SCIENCE EQUIPMENT CATALOG**  
Specifications and prices on Environmental Science outfits, apparatus and paperback handbooks.



**LaMotte Chemical**

Educational Products Division

LaMotte Chemical Products Company  
Chestertown, Maryland 21620  
Phone 301 778-3100

Serving science and industry since 1919

The main reason this manual is so good is that it contains a wealth of information about mammals as well as clear, workable keys. The writing is lucid and the manual is well organized. Similar manuals in other vertebrate fields are sorely needed.

*Jon R. Fortman*  
Mississippi University for Women  
Columbus

**MARINE ZOOGEOGRAPHY**, by John C. Briggs. 1974. McGraw-Hill Book Co., New York. 475 p. \$25.00 hardback.

This textbook first considers in detail each of the world's nine oceanic regions. Information on the historical development of knowledge, exploration, currents, and the animals is presented. Reasons for faunal correlations between regions, or lack of them, are considered. A thorough review of subject material is evident from the extensive literature citations. Emphasis is on fishes, but other groups are included.

The second analysis is of the various vertical depth zones of all nine regions. A history of the evolution and development of our planet, its oceans and their animals, and present oceanic patterns and trends complete the book. A good index (taxonomic and subject headings) follows the last chapter. The 65 black-and-white illustrations are nearly all full-page drawings of a single specimen or a map showing water currents.

*Marine Zoogeography* is agreeably, knowledgeably, and attractively written. It will be useful to biological oceanographers and advanced undergraduate and graduate students either as a reference, course textbook, or course supplement. An up-to-date collection of information which has been scattered in the literature for over 30 years has been long overdue.

*David R. Voth*  
Metropolitan State College  
Denver

**TROPICAL MARINE INVERTEBRATES OF SOUTHERN FLORIDA AND THE BAHAMA ISLANDS**, by Warren Zeiller. 1974. John Wiley & Sons, New York. 132 p. \$19.95 hardback.

Staff photographers at the Wometco Miami Seaquarium photographed tropical marine invertebrates over a 15-year period. This is a visual identification guide for 248 macroscopic species. It is not a field guide or taxonomic key. All of the photographs are in color, in aquaria, except for three corals photographed in the sea. The photos are quite clear, with bright colors and suitable backgrounds. Two to five photos are on a page, and vary in size from 4 by 7 cm to 7 by 15 cm. Dis-

tinguishing features of some of the specimens are not easily discerned in some of the smaller shots. In most, the specimen occupies the full photo.

There is a brief introduction to each of the six invertebrate phyla: Coelentera, Platyhelminthes, Mollusca, Annelida, Arthropoda, and Echinodermata. For each specimen there are three descriptive divisions of common name, scientific name, and etymology. The common names are taken from textbooks or common vernacular usage. For common names that are unknown or nonexistent, the author suggests ones that are generally derived from the generic or specific nomenclature. The scientific name includes the phylum, class, order, family, genus, and species. Subdivisions are not used except for three subspecies of Mollusca. The etymology describes the roots of the genus and species names. A brief description of each specimen gives general information about habitat, behavior, or economic importance. An unfortunate omission is any reference to size of the animal, and it is not possible to estimate this from the photograph.

The bibliography contains a mixture of technical, general, and popular references without any categorization to content or reading level. One wonders how a young or naive reader would react to a combination of Libbie Hyman's *The Invertebrate: Protozoa through Ctenophora* and Lorus and Margery Milne's *Invertebrates of North America*.

Marine aquarists or naturalists and scuba and snorkeling buffs should find this a worthy reference. Secondary-school libraries near the habitats described should consider obtaining a copy. Serious students of invertebrate taxonomy or anatomy would probably not find it useful.

*John R. Pancella*  
Montgomery County Public Schools  
Rockville, Md.

**HISTOLOGY: A TEXT AND ATLAS**, by Johannes A. G. Rhodin. 1974. Oxford University Press, New York. 816 p. \$19.50.

It is a rare occasion when a textbook comes along that is both novel and unique. This histology book is entitled "text and atlas" which causes the student or teacher of histology to wonder whether it is good at being one or the other, or whether it fails in both categories. Even a brief examination of this method of presentation convinces one that here is a successful, readable, and utilitarian way of teaching histology. Every page of text is faced on the opposite side (right-hand) with a series of photomicrographs illustrating beautifully the succinct and skillfully abbreviated verbal descriptions. The black-and-white photographs are