

gree of detail that is excellent for this type of manual. The laboratory reports provide useful testing material to measure student progress.

In summary, either the manual or the longer textbook would be useful respectively in teaching one- or two-semester courses of anatomy and physiology.

Allen Isaacson
William Paterson College
Wayne, N.J.

For Young Readers

ALBUM OF PREHISTORIC ANIMALS, by Tom McGowen. 1974. Rand McNally & Company, Chicago. 58 p. \$4.95 hardback.

Although in a format reminiscent of less-than-fascinating grocery store "fact" books, this sequel to Rand McNally's *Album of Dinosaurs* is a useful, readable reference work for upper-elementary and junior-high science students interested in prehistoric animals. The title does not indicate what is most important about the book: it is about prehistoric *mammals*!

Compensating for the formula-ridden nature of a series book is the scientific accuracy maintained by McGowen and checked by William Turnbull of Chicago's Field Museum of Natural History. Definitions of such terms as evolution are carefully done. There is a pronunciation glossary.

Although every attempt is made to present the twelve prehistoric mammals (including *Eohippus* and mammoths) with "moving, action-packed" narrative and "moving, action-packed" full-page color illustrations, it is the many little black-and-white drawings by illustrator Rod Ruth that really grace the book with imaginary detail.

Anne Mariner
Fountain Valley School
Colorado Springs, Colo.

CARNIVOROUS PLANTS, by John F. Waters. 1974. Franklin Watts, Inc., New York. 53. p. \$3.45 hardback.

This attractive little book describes various insect-eating plants including the Venus flytrap, pitcher plants, bladderworts, and some animal-eating fungi. These fascinating plants could create much excitement in a science room. Instructions are given for preparing a terrarium and growing the plants. The author, a former elementary science teacher and author of other books on various scientific subjects, seems to have done a thorough study of carnivorous plants.

The book is divided into sections for each group of these plants. Very good black-and-white illustrations are well

SOCIAL IMPLICATIONS OF BIOLOGICAL EDUCATION

Edited by
Arnold B. Grobman

Teachers and students of life sciences are forced to consider the social implications of biology. The important issues can not be avoided and deserve a full and balanced discussion.

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Additional statements are given by Vincent Dethier, Martin Schein, Haven Kolb, David Denker, Lawrence Mann and others. This book is available now from the National Association of Biology Teachers for only \$1.95.

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placed. Most of the descriptions are clear and concise. Also included is a short biography, a brief glossary, a suggested reading list, and an index.

The suggested reading level, 4th-6th grades, seems inappropriate: average fourth and fifth graders will have trouble with the frequent use of difficult scientific names and terms. This will be a beneficial reference in general biology and it is highly recommended for science libraries from upper elementary through junior high-school levels.

Loyce D. Whitson
Winston Co. High School
Double Springs, Ala.

WHAT TO DO WHEN THERE'S NO ONE BUT YOU, by Harriet Margolis Gore. 1974. Prentice-Hall, Inc., Englewood Cliffs, N.J. 48 p. \$4.95.

When Wendy scraped her knee, she washed and dried it, covered the wound with a Band-aid, and put an ice compress on it. Matthew bit into an apple and lost a tooth; he held a tissue on his gum until the bleeding stopped. Water was used to remove a bug from Wendy's ear, and a tetanus shot was the treatment of choice for the splinter in Michelle's hand. 26 such narratives of problem situations and their solutions comprise this unfortunately mundane and ineffective first-aid manual for children.

The first shortcoming in the book lies not with the advice given, nor even with the story-mode of presentation. What is missing is any answer to the question "Why?" First-aid procedures can be remembered and applied more easily if one understands the general principles involved. The book fails to point out the reasons for treatments, even though many of the situations described require identical first-aid measures. For example, when Michelle puts a knife in a toaster and receives a shock, Anthony knocks her away with a wooden broom handle. Why a wooden handle should be used is never explained. Tetanus shots are recommended for a nail wound, a dog bite, a splinter, and a fish hook cut. But there is no mention either of the basic similarity that makes the shot appropriate for all these occurrences or of what tetanus is and how the shot works.

The second problem with the book may seem to some more an annoyance than a major shortcoming in content or mode of presentation. However, there are those (including some publishers and many readers) who now insist that sex stereotyping be eliminated from children's literature. The author of this book must have missed the point. The boy builds a playhouse while the girl watches. The boys go camping, have pillow fights, paint houses, fish, and do chemistry experiments. The girls? Predictably, they play princess, make toast

and hot chocolate, and get splinters from brooms. All the doctors in the book are male; and, of course, the telephone operator is female.

Thus, although the book may be marginally entertaining, its impact for teaching either about people or about first-aid is likely to be minimal.

Faith Hickman

Biological Sciences Curriculum Study
Boulder, Colo.

Books Received

THE UBIQUITOUS ATOM, ed. by Grace Marmor Spruch and Larry Spruch. 1974. Charles Scribner's Sons, New York. 458 p. \$17.50.

ECOLOGY: CYCLE AND RECYCLE, by Grace Holden Kolbas. 1972. Sterling Publishing Company, New York. 168 p. \$7.95.

MAN AGAINST MORTALITY, by Dean Juniper. 1973. Charles Scribner's Sons, New York. 137 p. \$7.95.

CHLORPROMAZINE IN PSYCHIATRY: A STUDY OF THERAPEUTIC INNOVATION, by Judith P. Swazey. 1974. MIT Press, Cambridge, Mass. 340 p. \$17.50.

INSECT PHYSIOLOGY, by V. B. Wigglesworth. 7th ed., 1974. Halsted Press, New York. 166 p. \$8.95 hardback, \$4.95 softback.

NEURONS: BUILDING BLOCKS OF THE BRAIN, by Leonard A. Stevens. 1974. Thomas Y. Crowell Co., New York. 87 p. \$5.95.

THE PATH TO THE DOUBLE HELIX, by Robert Olby. 1974. University of Washington Press, Seattle. 510 p. \$23.50.

MAN-MACHINE SYSTEMS, by Thomas B. Sheridan and William R. Ferrell. 1974. MIT Press, Cambridge, Mass. 452 p. \$25.00.

MULTICOMPARTMENT MODELS IN BIOLOGICAL SYSTEMS, by G. L. Atkins. 1974. Halsted Press, New York. 153 p. \$5.75 (softback).

MAMMALS OF KENTUCKY, by Roger W. Barbour and Wayne H. Davis. 1974. University Press of Kentucky, Lexington. 322 p. \$14.95.

MONTEREY BAY AREA: NATURAL HISTORY AND CULTURAL IMPRINTS, by Burton L. Gordon. 1974. Boxwood Press, Pacific Grove, Calif. 202 p. \$4.50 softback.

HOW TO TEACH YOUR CHILDREN ABOUT SEX, by Harry Preston. 1974. Books for Better Living, Chatsworth, Calif. 176 p. \$1.25.

VANISHING WILDLIFE: AN E.S.P. WORKBOOK, by Phoebe Wray. 1974. Endangered Species Productions, Inc., Boston. 30 p. Price not given.

ILLUSION IN NATURE AND ART, ed. by R. L. Gregory and E. H. Gombrich. 1973. Charles Scribner's Sons, New York. 288 p. \$19.95.

WOODCHUCK, by Faith McNulty. 1974. Harper & Row, Publishers, New York. 64 p. \$2.95.

THE GREAT ENERGY SEARCH, by Elaine Israel. 1974. Julian Messner, New York. 64 p. Price not given.

BALTIMORE ORIOLES, by Barbara Brenner. 1974. Harper & Row, Publishers, New York. 64 p. \$2.95.

WONDERS OF BARNACLES, by Arnold Ross and William K. Emerson. 1974. Dodd, Mead & Co., New York. 78 p. \$4.95.

DONALD AND THE FISH THAT WALKED, by Edward R. Ricciuti. 1974. Harper & Row, Publishers, New York. 62 p. \$2.95.

HORSE ANATOMY—ILLUSTRATED, by Robert F. Way. 1973. Dreenan Press Ltd., New York. 20 p. \$3.95.

DOG ANATOMY—ILLUSTRATED, by Robert F. Way. 1973. Dreenan Press Ltd., New York. 20 p. \$3.95.

EARTH SCIENCE: PATTERNS OF OUR ENVIRONMENT, by Ramon E. Bisque, Harold Pratt, and John F. Thompson. 1975. Prentice-Hall, Inc., Englewood Cliffs, N.J. 304 p. \$6.95 (school price).

MANIPULATION: DANGERS AND BENEFITS OF BRAIN RESEARCH, by Erwin Lausch. 1974. Viking Press, New York. 283 p. \$8.95.

FOUNDATIONS OF EXPERIMENTAL EMBRYOLOGY, ed. by Benjamin H. Willer and Jane M. Oppenheimer. 2nd ed., 1974. Hafner Press, New York. 277 p. Price not given.

MARINE ALGAE OF THE WEST COAST OF FLORIDA, by Clinton J. Dawes. 1974. University of Miami Press, Coral Gables, Fla. 227 p. \$15.00.

OBESE HUMANS AND RATS, by Stanley Schachter and Judith Rodin. 1974. Halsted Press, New York. 182 p. \$10.95.

INTRODUCTION TO BIOPHYSICAL PLANT PHYSIOLOGY, by Park S. Nobel. 1974. W. H. Freeman and Co., San Francisco. 500 p. \$13.50.

COMPARATIVE MORPHOLOGY OF VASCULAR PLANTS, by Adriance S. Foster and Ernest M. Gifford, Jr. 2nd ed., 1974. W. H. Freeman and Co., San Francisco. 751 p. \$17.00.

GENETICS OF HOST PARASITE INTERACTION, by Peter R. Day. 1974. W. H. Freeman and Co., San Francisco. 250 p. \$8.50.

THE UTAH U.F.O. DISPLAY: A BIOLOGIST'S REPORT, by Frank B. Salisbury. 1974. Devin-Adair Co., Old Greenwich, Conn. 286 p. \$7.95.

APPLIED ECOLOGY ABSTRACTS, Pilot issue September 1974. Information Retrieval Ltd., London. 132 p. Annual subscription, \$2.00.

BIOMECHANICS: AN APPROACH TO VERTEBRATE BIOLOGY, by Carl Gans. 1974. J. B. Lippincott Co., Philadelphia. 261 p. \$12.50 hardback, \$5.95 softback.

ANIMAL ENGINEERING, Readings from *Scientific American*. 1974.

W. H. Freeman and Co., San Francisco. 120 p. \$8.00 hardback, \$4.00 softback.

WHAT IS LIFE? by H. Murray Lang, Edwin G. Palfery, and Ed L. Van Niewenhove. 1974. Macmillan of Canada, Toronto. 44 p. \$2.75.

SEX EDUCATION FOR THE DEVELOPMENTALLY DISABLED, by Henry L. Fischer, Marilyn J. Krajicek, and William A. Borthick. 1973. University Park Press, Baltimore. 59 p. \$4.75.

MARINE CAREERS, ed. by Bernard L. Gordon. 1974. Book & Tackle Shop, Chestnut Hill, Mass. 42 p. \$1.00.

THE SEARCH FOR ENERGY, by Don Dwiggin. 1974. Childrens Press, Chicago. 80 p. \$4.79 (school price).

MOUSEKIN'S ABC, by Edna Miller. 1972. Prentice-Hall, Inc., Englewood Cliffs, N.J. 32 p. \$0.95.

WHICH IS WHICH? by Solveig Paulson Russell. 1966. Prentice-Hall, Inc., Englewood Cliffs, N.J. 32 p. \$0.95.

MOUSEKIN'S WOODLAND BIRTHDAY, by Edna Miller. 1974. Prentice-Hall, Inc., Englewood Cliffs, N.J. 32 p. \$5.95.

GUIDE TO FOREIGN MEDICAL SCHOOLS, by Daniel Marien. 3rd ed., 1973. Queens College Press, New York. 63 p. \$4.00.

NEW U.N.E.S.C.O. SOURCE BOOK FOR SCIENCE TEACHING. 1973. UNESCO, Paris. 270 p. \$8.50.

BRAIN BIOCHEMISTRY, by H. S. Bachelard. 1974. Halsted Press, New York. 71 p. \$2.95 (softback).

LET'S FIND OUT ABOUT MOSQUITOES, by David Webster. 1974. Franklin Watts, Inc., New York. 48 p. \$3.45.

LIFE IN THE DARK, by Seymour Simon. 1974. Franklin Watts, Inc., New York. 72 p. \$4.33.

GIRLS ARE GIRLS AND BOYS ARE BOYS, by Sol Gordon. 1974. John Day Co., New York. 32 p. \$4.95.

THE INDIGENOUS TREES OF THE HAWAIIAN ISLANDS, by Joseph F. Rock. 1974. Charles E. Tuttle Co., Rutland, Vt. 548 p. \$22.50.

CONCEPTS AND MECHANISMS OF PERCEPTION, by R. L. Gregory. 1974. Charles Scribner's Sons, New York. 682 p. \$40.00.

ESSENTIAL ASPECTS OF MASS SPECTROMETRY, by Alberto Frigerio. 1974. Halsted Press, New York. 121 p. \$7.95.

INTRODUCTION TO PLANT ECOLOGY, by A. J. Willis. Rev. ed., 1973. Crane, Russak & Co., New York. 237 p. \$9.75 (softback).

INDOOR GARDENING, by D. X. Fenten. 1974. Franklin Watts, Inc., New York. 72 p. \$3.45.

STARR'S GUIDE TO THE JOHN MUIR TRAIL AND THE HIGH SIERRA REGION, by Walter A. Starr, Jr. 12th rev. ed., 1974. Sierra Club Books, San Francisco. 156 p. \$3.95.