

A Special Publication from NABT



POLLUTION

Edited by Paul Klinge
and Clarence Lange

This publication was prepared for high school and college use. It is divided into three sections: the realities of pollution, teaching about pollution, and laboratory investigations.

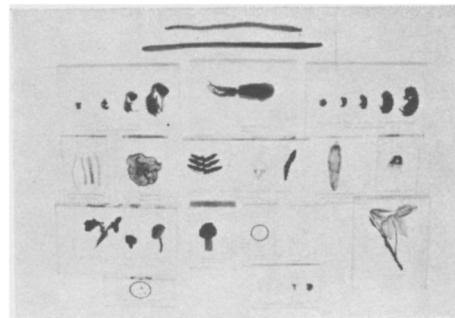
Twenty-four authors have contributed to this publication. They include Hugh Iltis, A. M. Winchester, E. J. Kirsch, Bernard Sohn, William Mayer, Alexander Cohen, David Dilcher, Karl Zobel and Alan H. McGowan.

This useful and practical publication is available from NABT for \$2 per copy.

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are currently the center of medical research study, namely, the Hydrophidae (sea snakes). However, this group are probably covered in their other book, *Venomous Reptiles*.

In conclusion, I can sincerely say that I found this book perhaps the finest of its kind now in full publication. I am pleased to highly recommend it for both informative as well as academic research reading.

Robert L. Gantert
Nathan Hale High School
Seattle

For Young Readers

WATCH OUT, IT'S POISON IVY! by Peter R. Limburg. 1973. Julian Messner, New York. 96 p. \$5.29 (hardback).

Poison ivy, poison oak, and poison sumac are agents of the contact dermatitis known generally as ivy poisoning. The author, in an interesting and highly readable style, reviews the characteristics of these plants, ways of avoiding ivy poisoning, symptoms and treatment, possible immunization, and means of plant control, and he concludes with a brief discussion of related plants. Photographs and line drawings augment the text. The glossary and index are useful additions. Although errors occur—Franz

Pfaff was not the first to “discover” the poison—they seem to be minor. This book is recommended to all young readers—those (7 in 10) who are susceptible to ivy poisoning and those who are not.

Rudy G. Koch
University of Wisconsin
Superior

A CHIPMUNK'S INSIDE-OUTSIDE WORLD, by Kay Cooper. 1973. Julian Messner, New York. 63 p. \$4.79.

Kay Cooper has, with few exceptions, avoided the trap of anthropomorphism, which plagues so many natural-history books for children. Yet, despite the absence of emotionalism and gimmicks, the narrative is rich in images and is highly entertaining. The story follows a male chipmunk from birth to maturity, describing vividly the animal's first days after birth, emergence from the burrow, feeding habits, burrow construction, natural enemies, hibernation, and—during the spring of a new year—mating and the birth of another generation of chipmunks. The organization is logical; the information, both factual and interesting. The style not only suits the reading abilities of most upper-elementary youngsters but also has the imagination, depth, and beauty that are characteristic of good writing for readers of all ages. Alvin Staffan's photographs en-

hance the book's inherent charm.

Faith Hickman
Biological Sciences Curriculum Study
Boulder, Colo.

THE SPIDER WORLD, by Penelope Naylor. 1973. Franklin Watts, Inc., New York, 73 p. \$3.75 (hardback).

Its short chapters, simple text, and many drawings should help to make this introductory book interesting to junior-high-school students. Each chapter presents some aspect of the behavior or anatomy of different groups of spiders. Only the essential information is presented—the reader will want to know more—and so the book does not become boring. The excellent drawings show web types, web construction, spider anatomy, and habitats. If you have enthusiastic students who lack a special interest, this would be a good book to try on them.

Alan von Ahlefeldt
Wasson High School
Colorado Springs, Colo.

LITTER—THE UGLY ENEMY: AN ECOLOGY STORY, by Dorothy E. Shuttlesworth with Thomas Cervasio. 1973. Doubleday & Co., New York. 64 p. \$4.95.

The story of the gradual decline of an imaginary city is interestingly told. The city had gained a reputation as a good place to live and raise a family.

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.

Recognizing this need, the National Association of Biology Teachers invited distinguished biologists to address themselves to a variety of social issues. The result has been a volume ideally suited as a resource for class discussion and as a reference for the teacher of either life sciences or humanities.

The volume includes chapters on the social implications of . . .

- Medicine**
by Michael and Lois DeBaake
- Behavior**
by James V. McConnell
- Genetics**
by Bruce Wallace
- Population**
by Garrett Hardin
- Evolution**
by Claude A. Welch

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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Citizens took pride in their city and the way it looked. Needed repairs to homes and apartments were quickly made. Care was taken to keep lawns and parks maintained. Streets were kept clean. The advent of factories and the resulting population increase ended that era. Decay set in in all quarters. Real-estate owners fled to the suburbs, caring little about supervising the rental property they had vacated. The vast amount of litter generated by the increased population was not properly treated. A general discouragement of the citizens led to the neglect of personal and city responsibilities. But then the young people of the city spearhead a campaign to restore the city to its former beauty. Their tactics and success should make interesting reading for the environment-conscious young person.

Glenn McGlathery
University of Colorado
Denver

Books Received

- BIOMETRICAL INTERPRETATION, by Neil Gilbert. 1973. Oxford University Press, London. 125 p. \$11.50 hardback, \$4.95 softback.
- RETHINK: A PARAPRIMITIVE SOLUTION, by Gordon Rattray Taylor. 1973. E. P. Dutton & Co., New York. 288 p. \$7.95.
- THE ANIMAL IN ITS WORLD: EXPLORATIONS OF AN ETHIOLOGIST, 1932-1972, by Niko Tinbergen. Vol. 1: *field studies*. 1972. Harvard University Press, Cambridge, Mass. 343 p. \$15.00.
- PROCEEDINGS OF THE EIGHTH FEBS MEETING; VOL. 29: ENZYMES: STRUCTURE AND FUNCTION, ed. by J. Drenth, R. A. Oosterbaan, and C. Veeger. 1973. American Elsevier Publishing Co., New York. 241 p. \$15.50.
- PERSPECTIVES IN MEMBRANE BIOPHYSICS: A TRIBUTE TO KENNETH S. COLE, ed. by D. P. Agin. 1972. Gordon and Breach, Science Publishers, New York. 324 p. \$18.50.
- THE HORSE TODAY—AND TOMORROW?, by Kurt Jeschko and Harald Lange. 1972. Arco Publishing Co., New York. 219 p. \$15.00.
- A FROG IS BORN, by William White. 1972. Sterling Publishing Co., New York. 80 p. \$3.50.
- THE WHITE ISLAND, by John Lister-Kaye. 1973. E. P. Dutton & Co., New York. 189 p. \$6.95.
- SELECTIVE TOXICITY: THE PHYSICO-CHEMICAL BASIS OF THERAPY, by Adrien Albert. 5th ed., 1973. Halsted Press, John Wiley & Sons, New York. 612 p. \$19.75.
- TIM TADPOLE AND THE GREAT BULLFROG, by Marjorie Flack. 1973. Doubleday & Co., New York. 40 p. 95¢.
- YOU KNOW BETTER THAN THAT, by Norah Smaridge. 1973. Abingdon Press, Nashville, Tenn. 32 p. \$2.95.
- THE LIVING WORLD, by David Stanbury. Vol. 1 and 2. 1970. Macmillan Co., New York. 222 p. per vol. \$2.50 per vol.
- BIGFOOT: THE YETI AND SASQUATCH IN MYTH AND REALITY, by John Napier. 1973. E. P. Dutton & Co., New York. 240 p. \$8.95.
- TOTAL MAN: AN EVOLUTIONARY THEORY OF PERSONALITY, by Stan Gooch. 1972. Holt, Rinehart and Winston, Inc., New York. 552 p. \$10.00.
- SYSTEMIC FUNGICIDES, ed. by R. W. Marsh. 1973. Halsted Press, John Wiley & Sons, New York. 333 p. \$8.75.
- Cannabis AND ITS DERIVATIVES, ed. by W. D. M. Paton and June Crown. 1972. Oxford University Press, New York. 210 p. \$16.00, hardback.
- DARWIN RETRIED, by Norman Macbeth. 1971. Gambit, Inc., Boston. 178 p. \$6.95.
- A DICTIONARY OF BIOLOGY, by M. Abercrombie, C. J. Hickman, and M. L. Johnson. 6th edition, 1973. Penguin Books, Inc., Baltimore. 311 p. \$1.95.
- LABORATORY PROCEDURES IN CLINICAL VETERINARY BACTERIOLOGY, by G. W. Osbaldiston. 1973. University Park Press, Baltimore. 135 p. \$9.50.
- CATALYSIS AND ENZYME ACTION, by Myron L. Bender and Lewis J. Brubacher. 1973. McGraw-Hill Book Co., New York. 217 p. \$3.95.
- THE BIOLOGICAL IMPERATIVES: HEALTH, POLITICS, AND HUMAN SURVIVAL, by Allan Chase. 1971. Penguin Books, Inc., Baltimore. 415 p. \$2.25.
- MAKEN'S GUIDE TO MEXICAN TRAIN TRAVEL. 1972. Le Voyageur Publishing Co., Irving, Tex. 112 p. \$3.47.
- FOLLOW THE WHALES, by Carl L. Biemiller. 1973. Doubleday & Co., Inc., New York. 185 p. \$4.50.
- FACTS ABOUT SEX, by Sol Gordon. 1969. John Day Co., New York. 48 p. \$3.95.
- THE BIOLOGY OF THE CERVIX, ed. by Richard J. Blandau and Kamran Moghissi. 1973. University of Chicago Press. 461 p. \$19.50.
- HISTORY OF GENETICS, by Hans Stubbe. 1972. MIT Press, Cambridge, Mass. 365 p. \$14.95.
- THE BIOLOGY OF THE ARTHROPODA, by Kenneth U. Clark. 1973. American Elsevier Publishing Co., New York. 280 p. \$21.00.
- BIOCHEMISTRY OF BACTERIAL GROWTH, ed. by J. Mandelstam and K. McQuillen. 2nd ed., 1973. John Wiley & Sons, New York. 592 p. \$19.95.
- HAGAN'S INFECTIOUS DISEASES OF DOMESTIC ANIMALS, by Dorsey William Bruner and James Howard Gillespie. 6th ed., 1973. Cornell University Press, Ithaca, N.Y. 1404 p. \$24.50.
- WATER: A COMPREHENSIVE TREATISE: VOL. 3: AQUEOUS SOLUTIONS OF SIMPLE ELECTROLYTES, ed. by Felix Franks. 1973. Plenum Press, New York. 489 p. \$37.50.
- ADVANCES IN EXPERIMENTAL BIOLOGY: VOL. 36: RECEPTORS FOR REPRODUCTIVE HORMONES, ed. by Bert W. O'Malley and Anthony R. Means. 1973. Plenum Press, New York. 472 p. \$25.00.