

Announcing the appearance of the second number of Volume I of the new series of Bulletins of the Ohio Biological Survey; **The Taxonomy, Distribution and Developmental Stages of Ohio Water Mites** by *Robert M. Crowell*, Assistant Professor of Biology at St. Lawrence University, Volume I, No. 2, New Series, Bulletins of the Ohio Biological Survey, pages 1-74, 143 figures.

The collections reported on were made in central and north-central Ohio during the period of 1952-1957. Nineteen species are recorded representing twelve genera and eleven families. Four species are new. An annotated list is included naming eleven species previously reported from Ohio which have not been recognized among material collected in the survey. Developmental and life history observations have been recorded. Immature stages have been recorded when they could be correlated with adult forms. Host insects are indicated for four species of water mites. Morphological details of all identified forms are illustrated. Collecting apparatus and techniques used by the writer are described and evaluated. Price of the publication is \$1.25 per copy or one-half price to members of The Ohio Academy of Science. Orders with remittance should be sent to the Ohio Biological Survey, 1885 Neil Avenue, The Ohio State University, Columbus 10, Ohio.

Chemical Publications—Their Nature and Use. *M. G. Mellon.* McGraw-Hill Book Co., Inc., New York. Third Ed., 1958. x+327 pp. \$7.00.

The third edition of this excellent text and reference book in the field of publications is in much the same format as the previous editions; one additional chapter, on Tertiary Sources—Guides and Directories, has been added. The well-known problems, which make this book of particular value as an instructor's guide, have been modernized. There are many excellent references to the work of *Chemical Abstracts*, yet, in some instances, the information given is inaccurate or outdated. As an example, on page 29 Dr. Mellon speaks of the 31 sections of *C.A.*; on the following pages he lists those sections; the list totals 41. On page 101 it is implied that the Fifth Decennial Index of Chemical Abstracts has already been published, when in actuality only two of the contemplated 19 volumes have appeared to date. In referring to the Russian abstract journal, *Referatsionyi Zhurnal, Khimiya* Dr. Mellon implies that annual formula, subject, patent, and author indexes are available. In truth, only author indexes for early years have been seen in this country. Despite these listed shortcomings, however, this volume is one with which all users of chemical literature should be familiar. For as Mellon quotes Johnson: "Knowledge is of two kinds. We know a subject ourselves, or we know where we can find information upon it."

PETER M. BERNAYS

Introductory Plant Science. 2nd Edition. *Henry T. Northen.* The Ronald Press Company. New York. pp. XII+718. Illustrated. \$6.75.

The current edition of Professor Northen's textbook has many interesting and commendable features, perhaps more than the previous edition. It is a larger book by approximately a hundred pages and it contains a glossary of 21 pages. Although the chapter topics remain the same the chapters themselves have been revised and somewhat lengthened. The illustrations are especially valuable, both the carefully selected photographs and the drawings for which credit goes to I. V. Tobler the artist.

There has been an effort to eliminate the troublesome features of teleology, yet on p. 141 we read, "Some cells take on structural features which enable them to conduct water. Others become specialized for the conduction of food, and still others for food storage." A similar statement was noted in the first edition. It has not been deleted or amended. Doubtless other examples could be found. Viewing the book as a whole leaves the thought that a beginning student would have an excellent working grasp of plants in our lives and in relation to their environments from classroom discussion and mastery of the materials of this book. Particular emphasis has been placed on presenting genetics in a teachable way. This appears successfully accomplished.

ADOLPH WALLER