

except for the index of authors. The fact that there is no subject index greatly decreases the value of the book. It is hoped that this is only volume 1 and that the next will include a complete cross reference of the material. As it stands, one must start on page 1 and read every title to find those related to a special interest. Even so the book will save some time for the researcher.

It is also surprising to find the *Zoological Record* missing from the list of references consulted. A quick check of its cross reference of venoms in the Amphibia and Reptilia section shows that only about 50% of the titles listed there are also in this book; e.g. in 1939, of 27 titles in the *Zoological Record*, only 14 were also listed in this book. The same is true of 1944 and 1945. In 1946 only 3 of the 18 titles related to venoms in the *Zoological Record* appear in this volume. The last may be due to publication delays, of course. Possibly too much dependence has been placed upon abstracting

journals rather than on direct checks of the journals concerned. This is shown by the presence of some and absence of other articles which have appeared in *Copeia*. For example, neither Cowles' article on venom in *Hypsiglena* (*Copeia*, 1941, 1, 4) nor Allen and Maier's note on extracting and processing of snake venom (*Copeia*, 1941, 4, 248) is listed, although the senior author of the second paper gave assistance to the authors in the book's preparation! These omissions, though unfortunate, are a normal occurrence in this kind of book and would be cheerfully disregarded if a subject index were available. The lack of the latter, however, makes this volume of doubtful value in a zoologist's library. The book will be useful primarily to those who only wish to know the field of venom well enough to be acquainted with the work done by various authors and the time when such work was done.

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Scientific Book Register

- ARNOW, L. EARLE, and REITZ, HENRY C. *Introduction to organic and biological chemistry*. (2nd ed.) St. Louis: C. V. Mosby, 1949. Pp. 795. (Illustrated.) \$5.75.
- CALVIN, MELVIN, HEIDELBERGER, CHARLES, REID, JAMES C., TOLBERT, BERT M., and YANKWICH, PETER F. *Isotopic carbon: techniques in its measurement and chemical manipulation*. New York: John Wiley; London: Chapman & Hall, 1949. Pp. xiii + 376. (Illustrated.) \$5.50.
- CURTIS, BRIAN. *The life story of the fish: his morals and manners*. New York: Harcourt, Brace, 1949. Pp. xii + 284. (Illustrated.) \$3.75.
- HOFBAUER, LUDWIG. *Atemregelung als Heilmittel*. Vienna, Austria: Wilhelm Maudrich, 1948. Pp. 99. (Illustrated.) \$2.50.
- MCDUGALL, W. B. *Plant ecology*. (4th ed.) Philadelphia: Lea & Febiger, 1949. Pp. 234. (Illustrated.) \$4.00.
- MILNE, E. A. *Vectorial mechanics*. New York: Interscience, 1948. Pp. xiii + 382. (Illustrated.) \$7.50.
- OEHSER, PAUL H. *Sons of science: the story of the Smithsonian Institution and its leaders*. New York: Henry Schuman, 1949. Pp. xvii + 220. (Illustrated.) \$4.00.
- POST, HOWARD W. *Silicones and other organic silicon compounds*. New York: Reinhold, 1949. Pp. 230. (Illustrated.) \$5.00.
- RIDER, JOHN F. *Installation and servicing of low power public address systems*. New York: John F. Rider, 1948. Pp. iii + 204. (Illustrated.) \$1.89.
- RILEY, GARDNER M. *Essentials of gynecologic endocrinology: with sections on the male*. Ann Arbor, Mich.: Caduceus, 1948. Pp. x + 205. (Illustrated.) \$3.00.
- RONCHESE, FRANCESCO. *Occupational marks and other physical signs: a guide to personal identification*. New York: Grune & Stratton, 1948. Pp. xvi + 181. (Illustrated.) \$5.50.
- ROSENFELD, L. *Nuclear forces*. (Sect. II.) Amsterdam: North-Holland Publ.; New York: Interscience, 1949. Pp. 182-543. (Illustrated.) \$7.50.
- SNYDER, FRANKLIN F. *Obstetric analgesia and anesthesia: their effects upon labor and the child*. Philadelphia-London: W. B. Saunders, 1949. Pp. viii + 401. (Illustrated.) \$6.50.
- STIMSON, DOROTHY. *Scientists and amateurs: a history of the Royal Society*. New York: Henry Schuman, 1948. Pp. xiii + 270. (Illustrated.) \$4.00.
- SYMONDS, PERCIVAL M. *Dynamic psychology*. New York: Appleton-Century-Crofts, 1949. Pp. vii + 413. \$3.75.
- WALTON, HAROLD FREDERIC. *Inorganic preparations: a laboratory manual*. New York: Prentice-Hall, 1948. Pp. viii + 183. (Illustrated.) \$3.00.
- WARE, LAWRENCE A. *Elements of electromagnetic waves*. New York-London: Pitman, 1949. Pp. x + 203. (Illustrated.) \$3.50.
- WEISSBERGER, ARNOLD. (Ed.) *Catalytic, photochemical and electrolytic reactions*. (Technique of Organic Chemistry, Vol. II.) New York: Interscience, 1948. Pp. ix + 219. (Illustrated.) \$5.00.
- WERFF, J. TH. VAN DER. *Biological reactions caused by electric currents and by X-rays*. New York: Elsevier, 1948. Pp. xii + 203. (Illustrated.) \$5.00.
- . *Annual report of the Smithsonian Institution, 1947*. (Publ. 3921.) Washington, D. C.: U. S. Govt. Printing Office, 1948. Pp. ix + 471. (Illustrated.) \$2.00.