

methods for root extraction, and sequential analysis. In the reviewer's opinion, these topics are treated too briefly. All the experimentalists can hope to obtain from the exposition given is a superficial background in these topics. Chapter XIV, which presents a heterogeneous mixture of mathematical topics, is definitely inadequate for the experimentalist who wishes to have a thorough knowledge of statistical theory for intelligent use. Chapter XV is an excellent bibliography of statistical tables. In Appendix A, the author gives a Mathematics Background Test; appendix B is essentially a dictionary of symbols; while appendix C is a correlation chart.

The reviewer is not at all certain that the book is practical for use as a textbook in a statistics course. It contains a wealth of very valuable information in condensed and concentrated form, however, and, as a handbook for reference by the experimentalist or collateral reading by the student of statistics, it is excellent and second to none.

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**Classification of fishes, both Recent and fossil.** Leo S. Berg. (Travaux de l'Institut Zoologique de l'Académie des Sciences de l'U.R.S.S., Vol. 5, Pt. 2.) Leningrad: Akademia Nauk, 1940. (Reprinted by Edwards Brothers, Ann Arbor, Michigan, 1947.) Pp. 87-517. Illustrated.) \$7.00.

In concluding his review of the original volume of this comprehensive work, Myers (*Copeia*, 1941, No. 4, p. 275) wrote: "... the reviewer wonders if any but the few copies now in this country will ever be available." The present reprint, by photo-offset, fills this important need for ichthyologists as well as for paleontologists, comparative anatomists, and the general worker in zoology.

The paper, reprinting, and maroon cloth binding of this edition are of high quality, superior to that of the original. The entire Russian text (pp. 87-345) is reproduced with the figures and is followed by the English text (pp. 346-500).

The researches by Dr. Berg on fossil as well as living fishes have resulted in the most complete and up-to-date arrangement of the families of fishes that has appeared. The literature was reviewed through May 1937, with additions while in press, and the abundant footnote references to the major works for family and higher groups are indispensable to the modern worker.

In the growing fields of ichthyology and palaeichthyology, teachers will welcome the availability of this volume. Where used as a text in connection with formal course work, many students will find that they can obtain the work under the G.I. Bill of Rights. The publishers, as well as the Michigan group who conceived and carried through the reprint edition, are to be congratulated for making this useful volume generally available.

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## Scientific Book Register

BREED, ROBERT S., MURRAY, E. G. D., HITCHENS, A. PARKER, *et al.* *Bergey's manual of determinative bacteriology.* (6th ed.) Baltimore: Williams & Wilkins, 1948. Pp. xvi+1529. \$15.00.

BUHLER, CHARLOTTE, and LEFEVER, D. WELTY. *A Rorschach study on the psychological characteristics of alcoholics.* (Mem. Sec. Stud. Alcohol, Laboratory of Applied Physiology, Yale Univ., No. 6.) New Haven: Hillhouse Press, 1948. Pp. 64. \$.75.

DEBRUINE, HARVEY. *Summary tables for comparative chordate anatomy.* (2nd ed.) Ann Arbor, Mich.: Follett's Michigan Book Store, 1947. Pp. 35. \$1.35.

EIGSTI, O. J. (with a supplement by P. Dustin, Jr.). *Colchicine bibliography.* Cincinnati: Lloyd Library, 1947. Pp. 65-114. \$.50.

FENNAH, R. G. *Notes on neotropical Dictyopharidae and synonymy in two other groups.* (Smithsonian Miscellaneous Collections, Vol. 107, No. 11.) Washington, D. C.: Smithsonian Institution, 1947. Pp. 13. (Illustrated.)

LEVENS, ALEXANDER S. *Nomography.* New York: John Wiley; London: Chapman & Hall, 1948. Pp. vii + 176. (Illustrated.) \$3.00.

MICKEY, MARGARET PORTIA. *The Cowrie Shell Miao of Kweichow.* (Pap. Peabody Museum of American Archaeology and Ethnology, Harvard Univ., Vol. XXXII, No. 1.) Cambridge, Mass.: Peabody Museum, 1947. Pp. ix + 83. (Illustrated.) \$2.50.

PARSONS, A. B. (Ed.) *Seventy-five years of progress in the mineral industry (1871-1946).* New York: American Institute of Mining and Metallurgical Engineers, 1947. Pp. xii + 817. (Illustrated.) \$6.00.

PHILLIPS, E. N., STERNS, W. G., and GAMARA, N. J. *High frequency measuring techniques using transmission lines.* New York: John F. Rider, 1947. Pp. 58. (Illustrated.) \$1.50.

REICH, WILHELM. *The discovery of the orgone.* Vol. II: *The cancer biopathy.* (Trans. by Theodore P. Wolfe.) New York: Orgone Institute Press, 1948. Pp. xxi + 409. (Illustrated.) \$8.50.

SVOBODA, ANTONÍN. *Computing mechanisms and linkages.* (Massachusetts Institute of Technology Radiation Laboratory Series.) (Ed. by Hubert M. James.) New York-London: McGraw-Hill, 1948. Pp. xii + 359. (Illustrated.) \$4.50.

WOERDEMAN, M. W., and RAVEN, CHR. P. *Experimental embryology in the Netherlands, 1940-1945.* (Monographs on the Progress of Research in Holland During the War.) New York-Amsterdam: Elsevier, 1946. Pp. xi + 132. (Illustrated.)

WORTHING, ARCHIE G., and HALLIDAY, DAVID. *Heat.* New York: John Wiley; London: Chapman & Hall, 1948. Pp. xii + 522. (Illustrated.) \$6.00.