

and factors affecting distribution of fish. There is also a glossary of technical terms. The line drawings are excellent, but the seven color plates are not of the quality of the rest of the book. For each of the 172 species there is a line drawing, spot map of Ohio, range map of North America, list of characters for identification, and description of habitat.

The scientific and common names are strictly up to date. This excellent book fills a particular need for the biologist and sportsman in Ohio and neighboring states and is very useful as a reference for anyone interested in North American fresh-water fishes.

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## New Books

*Mass Spectroscopy.* Henry E. Duckworth. Cambridge University Press, New York, 1958. 223 pp. \$6.50.

*Erythroblastosis Fetalis.* Including exchange transfusion technic. Fred H. Allen, Jr., and Louis K. Diamond. Little, Brown, Boston, 1957 and 1958. 153 pp. \$4.

*The Story of Life.* H. E. L. Mellersh. Putnam's, New York, American ed. 1, 1958. 263 pp. \$3.95.

*Mathematical Foundations of Information Theory.* A. I. Khinchin. Translated by R. A. Silverman and M. D. Friedman. Dover, New York, 1957. 120 pp. \$1.35.

*Three Dimensional Dynamics.* A vectorial treatment. C. E. Easthope. Academic Press, New York; Butterworths, London, 1958. 285 pp. \$7.80.

*Psychotherapy of Chronic Schizophrenic Patients.* Carl Whitaker. Little, Brown, Boston, 1958. 229 pp. \$5.

*Surface Chemistry.* Theory and applications. J. J. Bikerman. Academic Press, New York, ed. 2, 1958. 511 pp. \$15.

*Biology Serving You.* Charles Gramet and James Mandel. Prentice-Hall, Englewood Cliffs, N.J., 1958. 623 pp. \$4.96.

*Organic Electrode Processes.* Milton J. Allen. Reinhold, New York; Chapman & Hall, London, 1958. 188 pp. \$6.50.

*Physics of Fission.* Supplement 1 of *Soviet Journal of Atomic Energy*. S. M. Popova, Ed. Consultants Bureau, New York, 1957. 140 pp. \$30.

*A Laboratory and Field Manual of Ornithology.* Olin Sewall Pettingill, Jr. Burgess, Minneapolis, ed. 3, 1956. 379 pp. \$5.

*Macromolecules in Cell Structure.* A. Frey-Wyssling. Harvard University Press, Cambridge, Mass., 1957. 119 pp. \$5.

*A History of Magic and Experimental Science.* vols. VII and VIII, *The Seventeenth Century*. Lynn Thorndike. Columbia University Press, New York, 1958. 705 pp.; 816 pp. \$10 per volume.

*Logical Design of Digital Computers.* Montgomery Phister, Jr. Wiley, New York; Chapman & Hall, London, 1958. 424 pp. \$10.50.

*Biological Aspects of Cancer.* Julian Huxley. Harcourt, Brace, New York, 1958. 156 pp. \$3.75.

*Handbuch der Physik.* vol. 5, pt. 1, *Principles of Quantum Theory I*. 376 pp. DM. 90. vol. 50, *Astrophysics I*. 465 pp. DM. 98. S. Flügge, Ed. Springer, Berlin, 1958.

*Oil Reservoir Engineering.* Sylvain J. Pirson. McGraw-Hill, New York, ed. 2, 1958. 745 pp. \$14.

*The Theory of Thermal-Neutron Nuclear Reactors.* pts. 1 and 2, supplements 2 and 3 of *Soviet Journal of Atomic Energy*. English translation. A. D. Galanin. Consultants Bureau, New York, 1958. 187 pp.; 291 pp. \$60.

*Methods in Medical Research.* vol. 7. James V. Warren, Ed. Year Book, Chicago, 1958. 250 pp. \$7.50.

*Progress in Biophysics and Biophysical Chemistry.* vol. 8. J. A. V. Butler and B. Katz, Eds. Pergamon Press, New York and London, 1957. 417 pp. \$17.50.

*A Treatise on Plane and Advanced Trigonometry.* E. W. Hobson. Dover, New York, ed. 7, 1957 (republication of the 1928 edition of *A Treatise on Plane Trigonometry*). 398 pp. \$1.95.

*Introduction to Fourier Analysis and Generalised Functions.* M. J. Lighthill. Cambridge University Press, New York, 1958. 87 pp. \$3.50.

*British Pharmacopoeia, 1958.* Published under the direction of the General Medical Council. Pharmaceutical Press, London, 1958 (order from Rittenhouse Bookstore, Philadelphia, Pa.). 1038 pp. £3 3s.

*Chemical Reaction Engineering.* Twelfth meeting of the European Federation of Chemical Engineering, Amsterdam, 7-9 May 1957. Pergamon Press, New York and London, 1957. 208 pp. \$12.50.

*Chemistry of Lipides as Related to Atherosclerosis.* A symposium. Irvine H. Page, Ed. Thomas, Springfield, Ill., 1958. 351 pp. \$8.50.

*Concepts, Theories, and the Mind-Body Problem.* vol. II. Minnesota Studies in the Philosophy of Science. Herbert Feigl, Michael Scriven, Grover Maxwell, Eds. University of Minnesota Press, Minneapolis, 1958. 568 pp. \$7.

*Decision Making.* An experimental approach. Donald Davidson and Patrick Suppes in collaboration with Sidney Siegel. Stanford University Press, Stanford, 1957. vi + 121 pp. \$3.25.

*Electronic Theories of Organic Chemistry.* An introductory treatment. John William Baker. Oxford University Press, New York, 1958. vii + 224 pp. Illus. \$4.80.

*Electrons at Work.* F. J. M. Laver. Oxford University Press, New York, 1957. Illus. 7s. 6d.

*Basic Concepts in Chemistry.* George W. Watt. McGraw-Hill, New York, 1958. 545 pp. \$6.50.

*Les Hétérocycles Oxygénés.* Colloques Internationaux du Centre National de la Recherche Scientifique. No. LXIV. Centre National de la Recherche Scientifique, Paris, 7, 1957. 390 pp. F. 2500.

*Systematic Sociology.* An introduction to the study of society. J. S. Eros and W. A. C. Stewart, Eds. Philosophical Library, New York, 1958. 178 pp. \$6.

*Fundamentals of Neurology.* Ernest Gardner. Saunders, Philadelphia, ed. 3, 1958. 399 pp.

## Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

*UNESCO Symposium on Physical Oceanography, Proceedings.* Tokyo, 1955. UNESCO and Japan Society for the Promotion of Science, Tokyo, 1957. 292 pp. \$4.50.

*Proceedings of the Fourth Annual Computer Applications Symposium,* 24-25 Oct. 1957. Armour Research Foundation of Illinois Institute of Technology, Chicago, 1958. 126 pp. \$3.

*Selected Scientific Papers from the Istituto Superiore di Sanità.* vol. I, pts. 2 and 3. Fondazione Emanuele Paternò, Rome, Italy, 1956 (order from Interscience, New York). 310 pp. \$8.10, each.

*A Revision of the Genus Chaetocalyx.* Contributions from the U.S. National Herbarium, vol. 32, pt. 3. Velta E. Rudd. Smithsonian Institution, Washington, 1958. 38 pp.

*The Acanthaceae of Colombia, III.* Contributions from the U.S. National Herbarium, vol. 31, pt. 3. Emery C. Leonard. 459 pp. Paper, \$1.75. *Life Histories of North American Blackbirds, Orioles, Tanagers, and Allies.* Order Passeriformes: Families Ploceidae, Icteridae, and Thraupidae. U.S. National Museum Bull. 211. Arthur Cleveland Bent. 557 pp. Paper, \$2.25. Smithsonian Institution, Washington 25, 1958 (order from Supt. of Documents, GPO, Washington 25).

*Foundations' Fund for Research in Psychiatry.* Report of grant activities for the year ending 30 June 1957. The Foundation, New Haven, Conn., 1958. 35 pp.

*Laboratory Studies in Integrated Zoology.* Cleveland P. Hickman and Frances M. Hickman. Mosby, St. Louis, 1957. 353 pp. \$3.75.

*Research and Education in Meteorology.* An interim report of the Committee on Meteorology. National Academy of Sciences-National Research Council, Washington, D.C., 1958. 69 pp.

*Common Fleshy Fungi.* Clyde M. Christensen. Burgess, Minneapolis, rev. ed., 1955. 246 pp. \$3.

*Librarian of Congress, Annual Report.* For the fiscal year ending 30 June 1957. Library of Congress, Washington 25, 1958. 167 pp.

*Anuário do Observatório do S. Paulo para 1958.* Instituto Astronômico e Geofísico, Universidade de São Paulo, São Paulo, Brasil, 1957. 91 pp.

*Insects of Hawaii.* A manual of the insects of the Hawaiian Islands, including an enumeration of the species and notes on their origin, distribution, hosts, parasites, etc. vol. 6. Ephemeroptera-Neuroptera-Trichoptera and Supplement to volumes 1 to 5. Elwood C. Zimmerman. University of Hawaii Press, Honolulu, T.H., 1957. 218 pp. \$4.50.

*A Study of the Chironomidae (Diptera) of Africa South of the Sahara.* pt. III. Bulletin, Entomology, vol. 5, No. 9. Paul Freeman. 106 pp. 30s. *New and Little-Known Species of African Trichoptera.* Bulletin, Entomology, vol. 6, No. 1. D. E. Kimmins. 38 pp. 10s. British Museum (National History), London, England, 1957. 10s.