

ception. Specifically, the papers deal with the peroxides of lipids, cumene, amino acids, nucleic acids, and related compounds; with the inactivation of the transforming substance and of bacteriophages; with genetic effects of radiation-produced peroxides in *Drosophila*; and with the "oxygen effect" as measured by increased radiosensitivity of biological materials.

While, because of its nature and origin, this book omits too much to serve as a useful reference, it will inform those who did not attend the symposium about what was occupying the attention of this active segment of radiation biologists. Those who made major contributions to the symposium and the discussion include R. Latarjet, C. Paquot, M. Durup, J. Durup, J. A. V. Butler, J. Weiss, S. Okada, J. St. L. Philpot, F. H. Sobels, L. H. Gray, D. Maxwell, P. Douzou, M. Ebert, H. Marcovich, C. Vermeil, Tikvah Alper, and M. Haïssinsky.

ORVILLE WYSS

Department of Bacteriology,
University of Texas

New Books

Handbuch der Virusforschung, vol. 4, supplement 3. C. Hallauer and K. F. Meyer. Springer, Vienna, Austria, 1958. 703 pp. \$35.25.

Homosexuality, Transvestism and Change of Sex. Eugene de Savitsch. Thomas, Springfield, Ill., 1958. 128 pp. \$3.50.

Hospital Planning for the Anesthesiologist. William H. L. Dornette. Thomas, Springfield, Ill., 1958. 128 pp. \$5.25.

The Human Situation. The Gifford lectures delivered in the University of Glasgow, 1935-1937. W. Macneile Dixon. Penguin Books, Baltimore, 1958. 443 pp. Paper, \$0.95.

Industrial Noise Manual. American Industrial Hygiene Assoc., Detroit 27, 1958. 198 pp. \$7.50.

Information and Communication Practice in Industry. T. E. R. Singer. Reinhold, New York; Chapman & Hall, London, 1958. 310 pp. \$8.75.

Management's Stake in Research. Maurice Holland. Harper, New York, 1958. 157 pp. \$3.50.

Morphologische, Biologische, und Serologische Eigenschaften der Batronellen. Reinhard Wigand. Thimen, Stuttgart, Germany, 1958 (order from Intercontinental Medical Book Corp., New York 16). 106 pp. \$1.85.

Naming-Day in Eden. The creation and recreation of language. Noah Jonathan Jacobs. Macmillan, New York, 1958. 170 pp. \$3.95.

Nuclear Reactor Metallurgy. Walter D. Wilkinson and William F. Murphy. With a chapter by Warren J. McGonagle. Van Nostrand, Princeton, N.J., 1958. 391 pp. \$5.60.

L'Origine photochimique de la vie. A. Dauvillier. Masson, Paris, 1958. 214 pp. Paper, F. 1300.

The Older Population of the United States. Henry D. Sheldon and Clark Tibbitts. Wiley, New York; Chapman & Hall, London, 1958. 236 pp. \$6.

The Petroleum Chemicals Industry. Richard Frank Goldstein. Wiley, New York, ed. 2, 1958. 473 pp. \$16.50.

Physical Chemistry of High Polymers. Maurice L. Huggins. Wiley, New York; Chapman & Hall, London, 1958. 188 pp. \$6.50.

The Physical Theory of Neutron Chain Reactors. Alvin M. Weinberg and Eugene P. Wigner. Univ. of Chicago Press, Chicago, 1958. 813 pp. \$15.

Physiology of Prematurity. Transactions of the second conference 25-27 March 1957, Princeton, N.J. Jonathan T. Lanman, Ed. Josiah Macy, Jr. Foundation, New York, 1958. 160 pp. \$3.75.

Le Pollen. Armand Pons. Presses Universitaires de France, Paris, 1958. 125 pp.

The Practice of Nuclear Medicine. William H. Blahd, Franz K. Bauer, Benedict Cassen. Thomas, Springfield, Ill., 1958. 430 pp. \$12.50.

Science and Education at the Crossroads. A view from the laboratory. Joseph William Still. Public Affairs Press, Washington, D.C., 1958. 151 pp. \$3.25.

Science and the Detection of Crime. C. R. M. Cuthbert. Philosophical Library, New York, 1958. 244 pp. \$10.

Solving the Scientist Shortage. David C. Greenwood. Public Affairs Press, Washington, 1958. 77 pp. \$2.

Space-Charge Waves. And slow electromagnetic waves. A. H. W. Beck. Pergamon, New York and London, 1958. 407 pp. \$15.

Textbook of Organic Chemistry. Lloyd N. Ferguson. Van Nostrand, Princeton, N.J., 1958. 636 pp.

Textbook of Microbiology. Kenneth L. Burdon. Macmillan, New York, ed. 4, 1958. 654 pp. \$5.75.

The Theory of Evolution. J. Maynard Smith. Penguin Books, Baltimore, 1958. 320 pp. Paper, \$0.85.

Traité de statistique théorique et Appliquée. Analyse aléatoire—algèbre aléatoire. Daniel Dugue. Masson, Paris, 1958. 313 pp. F. 5200.

Vinyl Resins. W. Mayo Smith. Reinhold, New York; Chapman & Hall, London, 1958. 289 pp. \$5.75.

Reprints

An Introduction to Mathematics. Alfred North Whitehead. Oxford Univ. Press, New York, 1958. 191 pp. \$1.50.

An Introduction to the Study of Experimental Medicine. Claude Bernard. Translated by Henry Copley Green. Dover, New York, 1958. 245 pp. \$1.50.

The Principles of Science. A treatise on logic and scientific method. W. Stanley Jevons. Dover, New York, 1958. 786 pp. \$2.98.

Science in a Tavern. Essays and diversions on science in the making. Charles S. Slichter. Univ. of Wisconsin Press, Madison, 1958. 206 pp. \$1.

Science, Theory, and Man. Edwin Schrödinger. Dover, New York, 1958. 247 pp. \$1.35.

Miscellaneous Publications

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

Acoustical Evaluation of the Acoustical Treatment in the NACA 10 Ft. Wind Tunnel. WADC Tech. Note 57-393, ASTIA Document No. AD 142164. 20 pp. *Acoustical Evaluation of General Sound Control Model N-400 Jet Aircraft Noise Suppressor*. WADC Tech. Note 57-391, ASTIA Document No. AD 142162. 73 pp. Robert M. Hoover and staff of Bolt Beranek and Newman Inc. Wright Air Development Center, Wright-Patterson Air Force Base, Ohio, 1958.

Explorer IV—1958 Epsilon. Orbital Data Ser., Issue 1. Army Ballistic Missile Agency, Redstone Arsenal, Alabama, and Smithsonian Astrophysical Observatory, Cambridge, Mass., 1958. 183 pp.

Mean Monthly 300 and 200-MB Contours and 500, 300, and 200-MB Temperatures for the Northern Hemisphere. Geophysical Research Papers No. 57. ASTIA Document No. AD 146861. Eberhard W. Wahl. 80 pp. *Theory of Large-Scale Atmospheric Diffusion and Its Application to Air Trajectories*. vols. 1-3. Geophysical Research Papers No. 58. AFRCR-TR-58-228 (I), (II), and (III). Samuel B. Solot and Eugene M. Darling, Jr. 51 pp.; 362 pp.; 371 pp. Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass., 1958.

Bibliography on the Effects of Ionizing Radiations on Plants. 1896-1955. BNL 504 (L-103). Arnold H. Sparrow, John P. Binnington, Virginia Pond. 222 pp. \$2.25. *Homeostatic Mechanisms*. Report of symposium held 12-14 June 1957. 270 pp. \$3. Brookhaven National Laboratory, Upton, N.Y., 1958 (order from Office of Technical Services, Dept. of Commerce, Washington 25).

Birds of Northeastern Peru. Fieldiana: Zoology, vol. 35, No. 5. Melvin A. Traylor. 64 pp. \$1. *A Geographic Classification of Neotropical Mammals*. Fieldiana: Zoology, vol. 36, No. 6. Philip Hershkovitz. 40 pp. \$1. Chicago Natural History Museum, Chicago, 1958.

Expert Committee on Poliomyelitis, Second Report. WHO Tech. Rept. Ser. No. 145. World Health Organization, Geneva, Switzerland, 1958 (order from Columbia Univ. Press, New York). 83 pp. \$0.60.

Nesting and Food Habits of the Long-Eared Owl in Michigan. Biological Ser. William Armstrong. 35 pp. *The Brush Mouse Peromyscus boylii in Southern Durango*. Biological Ser. James J. Drake. 46 pp. Michigan State Univ., East Lansing, 1958.

Earned Degrees Conferred by Higher Educational Institutions, 1956-1957. Circ. No. 527. Diane B. Gertler. 196 pp. \$1.50. *Enrollment, Teachers, and Schoolhousing in Full-time Public Elementary and Secondary Day Schools, Fall 1957*. Rev. Circ. No. 513. Samuel Schloss and Carol Joy Hobson. 13 pp. \$0.15. *Retention and Withdrawal of College Students*. Bull. 1958, No. 1. Robert E. Ifert. 177 pp. \$0.65. Office of Education, Washington, 1958 (order from Supt. of Documents, GPO, Washington 25).