

has been enlarged to include nearly every aspect of biological and biochemical research. As attention is focused continually downward into the microscopic and submicroscopic world in attempts to define and resolve the nuances of biological function, the sensitivity and discriminatory power of the immunological discipline, methods, and techniques will find continually wider application.

Perhaps in anticipation of this trend, Heidelberg and Plescia assembled a notable international body of panelists. Five panels were organized to present and discuss recent advances in the quantitative aspects of specificity, multiplicity of bacterial antigens, immunology of viruses, "non-specific" immunity, and the biosynthesis of antigens and antibodies. In this *Proceedings* volume, the comments made during the open discussions are published following the formal presentations of each panel; more frequently than not, those discussions emerge just as meaty and thoughtful as the prepared manuscripts.

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## New Books

### Biological and Medical Sciences

**Advances in Protein Chemistry.** vol. 15. C. B. Anfinsen, Jr., Kenneth Bailey, M. L. Anson, and John T. Edsall, Eds. Academic Press, New York, 1960. 457 pp. Illus. \$13.

**Biology.** Relis B. Brown. Heath, Boston, Mass., ed. 2, 1961. 666 pp. Illus.

**Biology through Microbes.** A laboratory guide. Alfred S. Sussman. Univ. of Michigan Press, Ann Arbor, 1961. 202 pp. Illus.

**Blood and Other Body Fluids.** Analysis and compilations by Philip L. Altman. Dorothy S. Dittmer, Ed. Federation of American Societies for Experimental Biology, Washington, D.C., 1961. 557 pp. \$10. A continuation of the handbook series prepared under the auspices of the National Acad. of Sciences-National Research Council.

**Blood Platelets.** Shirley A. Johnson, Raymond W. Monto, John W. Rebeck, and Robert C. Horn, Jr., Eds. Little, Brown, Boston, Mass., 1961. 755 pp. Illus. \$18.50. Proceedings, 10th Henry Ford Hospital Symposia, held in March 1960.

**Chemicals in Your Food and in Farm Produce.** Their harmful effects. Franklin Bicknell. Emerson Books, New York, 1961. 192 pp. \$2.95.

**Elementary Human Physiology.** A text for undergraduates. Terence A. Rogers. Wiley, New York, 1961. 429 pp. Illus. \$6.50.

**Experimental Immunochemistry.** Elvin A. Kabat and Manfred M. Mayer. Thomas, Springfield, Ill., ed. 2, 1961. 917 pp. Illus. \$26.50.

**Microbial Cell Walls.** M. R. J. Salton. Wiley, New York, 1960. 103 pp. Illus. \$3.50. 1960 CIBA lectures in microbial biochemistry, presented at Rutgers University.

**Microbial Reaction to Environment.** Eleventh symposium of the Society for General Microbiology. Cambridge Univ. Press, New York, 1961. 426 pp. Illus. + plates. \$7.50.

**Progress in Biophysics and Biophysical Chemistry.** vol. 11. J. A. V. Butler, B. Katz, and R. E. Zirkle, Eds. Pergamon Press, New York, 1961. 282 pp. Illus. \$12.50.

**Protides of the Biological Fluids.** H. Peeters, Ed. Elsevier, Amsterdam, Netherlands, 1961 (order from Van Nostrand, Princeton, N.J.). 366 pp. Illus. \$16.75. Proceedings of the colloquium held in Bruges, Belgium, in 1960.

### Economics and Social Sciences

**The Dynamics of Communism in Eastern Europe.** R. V. Burks, Princeton Univ. Press, Princeton, N.J., 1961. 256 pp. Illus. \$5.

**Economics.** An introductory analysis. Paul A. Samuelson. McGraw-Hill, New York, ed. 5, 1961. 863 pp. Illus. \$7.50.

**The Lolo of Liang Shan** (Liang-shan I-chia). Lin Yueh-hua. Translated by Ju-Shu Pan. Wu-Chi Liu, Ed. HRAF Press, New Haven, Conn., 1961 (order from Taplinger, New York). 167 pp. Illus. \$3.

**Measurement and Evaluation in Psychology and Education.** Robert L. Thorndike and Elizabeth Hagen. Wiley, New York, ed. 2, 1961. 610 pp. Illus.

**Tristes Tropiques.** C. Levi-Strauss. Translated by John Russell. Criterion Books, New York, 1961. 404 pp. Illus. + plates. \$12.50.

### General

**Arms Control, Disarmament, and National Security.** Donald G. Brennan, Ed. Braziller, New York, 1961. 475 pp. \$6.

**Careers and Opportunities in Physics.** Philip Pollack. Dutton, ed. 2, New York, 1961. 159 pp. Illus. \$3.75.

**The Forbidden Voyage.** Earle Reynolds. McKay, New York, 1961. 281 pp. Illus. \$4.95.

**Human Heredity.** Jean Rostand (Translated by Wade Baskin from *L'Heredité Humaine*). Philosophical Library, New York, 1961. 139 pp. \$4.75.

**A Prelude to Medical History.** Félix Martí-Ibáñez. MD Publications, New York, 1961. 277 pp. Illus. \$5.75.

**Scientific Russian Guide.** Handbook for students and professionals interested in scientific Russian. Mary A. Emery and Serge A. Emery. McGraw-Hill, New York, 1961. 198 pp. \$4.50.

### Mathematics, Physical Sciences, and Engineering

**Abundance of Chemical Elements.** V. V. Cherdyn'tsev. Translated by Walter Nichiporuk. Univ. of Chicago Press, Chicago, Ill., 1961. 324 pp. Illus. \$10.

**Advanced Calculus.** An Introduction to analysis. Watson Fulks. Wiley, New York, 1961. 536 pp. Illus. \$11.25.

**Astronautics.** Fundamentals of dynamical astronomy and space flight. Arthur I. Berman. Wiley, New York, 1961. 365 pp. Illus. \$9.25.

**Chemistry.** Michell J. Sienko and Robert A. Plane. McGraw-Hill, New York, ed. 2, 1961. 636 pp. Illus.

**Codes for Reactor Computations.** International Atomic Energy Agency, Vienna, Austria, 1961 (order from International Publications, New York 22). 538 pp. Illus. \$8. Proceedings of the symposium held in April 1960.

**College Algebra.** Paul K. Rees and Fred W. Sparks. McGraw-Hill, New York, ed. 4, 1961. 442 pp. Illus. \$6.50.

**Design and Construction of Ports and Marine Structures.** Alonzo DeF. Quinn. McGraw-Hill, New York, 1961. 539 pp. Illus. \$16.

**Electronic Packaging with Resins.** A practical guide for materials and manufacturing techniques. Charles A. Harper. McGraw-Hill, New York, 1961. 351 pp. Illus. \$11.

**Flammenphotometrie.** R. Herrmann and C. Th. J. Alkemade. Springer, Berlin, 1960. 402 pp. Illus. + plates. DM. 88.

**Gas and Air Compression Machinery.** Lyman F. Scheel. McGraw-Hill, New York, 1961. 358 pp. Illus. \$12.

**Handbook of Chemistry.** Norbert Adolph Lange, Ed. McGraw-Hill, New York, ed. 10, 1961. 1983 pp. \$11.

**An Introduction to Applied Anisotropic Elasticity.** R. F. S. Hearmon. Oxford Univ. Press, New York, 1961. 146 pp. Illus. 35s.

**Introduction to Mechanics of Continua.** William Prager. Ginn, Boston, Mass., 1961. 240 pp. Illus. \$8.

**Introduction to Physiological and Pathological Chemistry.** L. Earle Arnow. Revised with the assistance of Marie C. D'Andrea. Mosby, St. Louis, Mo., ed. 6, 1961. 490 pp. Illus. \$5.50.

**Introductory Chemistry.** Otto W. Nitz. Van Nostrand, Princeton, N.J., 1961. 639 pp. Illus. \$4.95.

**Measure, Lebesgue Integrals, and Hilbert Space.** A. N. Kolmogorov and S. V. Fomin. Translated by Natascha Artin Brunswick and Alan Jeffrey. Academic Press, New York, 1961. 159 pp. \$4.

**Methods of Celestial Mechanics.** Dirk Brouwer and Gerald M. Clemence. Academic Press, New York, 1961. 610 pp. \$15.50.

**Name Reactions in Organic Chemistry.** Alexander R. Surrey. Academic Press, New York, ed. 2, 1961. 288 pp. \$8.

**Nuclear Pulse Spectrometry.** Robert L. Chase. McGraw-Hill, New York, 1961. 228 pp. Illus. \$8.50.

**Physical Oceanography.** vols. 1 and 2. Albert Defant. Pergamon, New York, 1961. vol. 1, 745 pp.; vol. 2, 606 pp. Illus. Set, \$35.

**The Physical Theory of Transistors.** Leopoldo B. Valdes. McGraw-Hill, New York, 1961. 384 pp. Illus. \$10.50.

**Physics and Chemistry of the Earth.** vol. 4. L. H. Ahrens, Frank Press, Kaler-vo Rankama, and S. K. Runcorn. Pergamon, New York, 1961. 322 pp. Illus. \$10.