BOOKS RECEIVED

International Tables for X-Ray Crystallography. Vol. 3, Physical and Chemical Tables. Caroline H. Macgillavry, Gerard D. Rieck, Kathleen Lonsdale, eds. 362 pp. Kynoch Press, Birmingham, England, 1962. £5/15/0.

Philosophy of Science. The Link Between Science and Philosophy. By Philipp Frank. 394 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1957. Paperbound \$2.45.

Introduction to Calculus. By Kazimierz Kuratowski. Transl. from Polish by Julian Musielak. 315 pp. (Pergamon, London) Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$5.00.

Introduction to Set Theory and Topology. By Kazimierz Kuratowski. Transl. from Polish by Leo F. Boron. 283 pp. (Pergamon, London) Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$6.50.

The Dynamics of Automatic Control Systems. By E. P. Popov. Transl. from Russian. 761 pp. (Pergamon, London) Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$10.75.

Physical Metallurgy for Engineers. By Albert G. Guy. 374 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$8.75.

The Astronomical Universe (2nd ed.). By Wasley S. Krogdahl. 585 pp. The Macmillan Co., New York, 1962. \$7.95.

The New Scientist: Essays on the Methods and Values of Modern Science. Paul C. Obler and Herman A. Estrin, eds. 316 pp. Doubleday Anchor Books, Garden City, New York, 1962. Paperbound \$1.25.

Electrical Engineering Fundamentals. By Robert Brownell Angus, Jr. 516 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1961. \$8.00.

Operational Methods for Linear Systems. By Wilfred Kaplan. 577 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$10.75.

The Theory of Transonic Flow. By K. G. Guderley. Transl. from German by J. R. Moszynski. 344 pp. Pergamon Press Ltd., Oxford, London. Distr. in U. S. by Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$9.00.

Dynamics. Volume 1, Particles, Rigid Bodies, and Systems. By Robert L. Halfman. 379 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. \$7.50.

Modern Physical Metallurgy. By R. E. Smallman. 387 pp. Butterworths, London, 1962. \$9.50.

Perturbation Theory and the Nuclear Many Body Problem. By Kailash Kumar. 235 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1962. \$9.75.

Challenge of the Universe. By J. Allen Hynek. 143 pp. Scholastic Book Services, New York, 1962. Paperbound \$.50.

Radioisotopes in the Physical Sciences and Industry, Volume 3. Conf. Proc. (Copenhagen, 1960). 640 pp. IAEA, Vienna, 1962. Distr. in US by Internat'l Publications, Inc., New York. Paperbound \$8.00.

Polymer Processing, By James M. McKelvey. 409 pp. John Wiley & Sons, Inc., New York, 1962.

Diffuse X-Ray Reflections from Crystals. By W. A. Wooster. 200 pp. Oxford U. Press, New York, 1962. \$5.60.

Basic Astronautics. By Frederick I. Ordway, III, James Patrick Gardner, Mitchell R. Sharpe, Jr. 587 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1962. \$16.00.

Optics: Experiments and Demonstrations. By C. Harvey Palmer. 321 pp. The Johns Hopkins Press, Baltimore, 1962. Paperbound \$4.95.

Elements of Electronic Circuits. By J. M. Peters, 98 pp. (Iliffe Books, London) John Wiley & Sons, Inc., New York, 1962. \$4.50.

A Treatise on Probability (reprint of 1921 ed.). By John Maynard Keynes. 466 pp. Harper & Row, Inc., New York, 1962. Paperbound \$2.45.

Mathematical Logic (reprint of 1951 ed.). By Willard Van Orman Quine. 346 pp. Harper & Row, Publishers, New York, 1962. Paperbound \$2.25.

Energy for Man (reprint of 1958 ed.). By Hans Thirring, 409 pp. Harper & Row, Publishers, New York, 1962. Paperbound \$1.95.

Physics of Fast and Intermediate Reactors. Seminar Proc. (Vienna, Aug. 1961). Vol. 1, 487 pp. \$9.00; Vol. 2, 407 pp. \$9.00; Vol. 3, 617 pp. \$12.00. IAEA, Vienna, 1962. Distr. by Internat'l Distributors, Inc., New York. Paperbound.

Josiah Willard Gibbs. The History of a Great Mind. By Lynde Phelps Wheeler. 270 pp. Yale U. Press, New Haven, 1962. Paperbound \$1.75.

The Computer Revolution. Edmund C. Berkeley, ed. 249 pp. Doubleday & Co., Inc., Garden City, N. Y., 1962. \$4.50.

Science in Progress. SIGMA XI—RESA, Nat'l Lectureships, 1959 & 1960. Wallace R. Brode, ed. 331 pp. Yale U. Press, New Haven, 1962. \$7.50.

Science Since Babylon. By Derek J. de Solla Price. 149 pp. Yale U. Press, New Haven, 1961. Paperbound \$1.45.

Absorption Spectra and Chemical Bonding. By C. K. $J \phi rgensen. 352$ pp. Pergamon Press, Oxford, 1962. Distributed by Addison-Wesley Publishing Co., Inc., Reading, Mass. \$10.00.

Elements of Chemical Thermodynamics. By Leonard K. Nash. 118 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1962. Paperbound \$1.75.

Geology and Earth Sciences Sourcebook for Elementary and Secondary Schools. Robert L. Heller, ed. 496 pp. Holt, Rinehart and Winston, Inc., New York, 1962. Paperbound \$2.40.

Progress in Dielectrics, Volume 4. J. B. Birks and J. Hart, eds. 311 pp. Academic Press Inc., New York, 1962.

Nuclear Instruments. Symp. Proc. (Harwell, Sept. 1961). J. B. Birks, ed. 251 pp. Academic Press Inc., New York, 1962. \$10.00.

Numerical Mathematical Analysis (5th ed.). By James B. Scarborough. 594 pp. The Johns Hopkins Press, Baltimore, Md., 1962. \$7.00.

Dictionary of Geological Terms. Prepared under the direction of the American Geological Inst. 545 pp. Doubleday & Co., Inc., Garden City, N. J., 1962. Paperbound \$1.95.

Werkstoffkunde der Hochvakuumtechnik. Vol. 3, Hilfswerkstoffe. By Werner Espe. 542 pp. Veb Deutscher Verlag der Wissenschaften, Berlin, 1961.

A Short History of Astronomy (reprint of 1898 ed.). By Arthur Berry. 440 pp. Dover Publications, Inc., New York, 1961. Paperbound \$2.00.

Stochastic Processes. By Emanuel Parzen. 324 pp. Holden-Day, Inc., San Francisco, 1962. \$10.50.

Mathematics for Quantum Mechanics. By John David Jackson. 97 pp. W. A. Benjamin, Inc., New York, 1962. Paperbound \$3.50, clothbound \$4.75.

Ultrasonic Physics (2nd ed.). By E. G. Richardson. Edited by A. E. Brown, 313 pp. American Elsevier Publishing Co., Inc., New York, 1962, \$5.50.

Quantum Statistical Mechanics. Green's Function Methods in Equilibrium and Nonequilibrium Problems. By Leo P. Kadanoff & Gordon Baum. 203 pp. W. A. Benjamin, Inc., New York, 1962. Paperbound \$4.95, clothbound \$6.95.

Theory of Elementary Particles (2nd ed.). By Paul Roman. 580 pp. North-Holland Publishing Co., Amsterdam. Distr. in U. S. by Interscience, New York, 1961. \$12.75.

Monograph on Radio Noise of Terrestrial Origin. Proc. of 13th URSI Gen'l Assembly (London, 1960). F. Horner, ed. 202 pp. American Elsevier Publishing Co., Inc., New York, 1962. \$8.75.

Mathematics for the Physical Sciences. By Herbert S. Wilf. 284 pp. John Wiley & Sons, Inc., New York, 1962.

Guidance and Control. Robert E. Roberson and James S. Farrior, eds. Volume 8, Progress in Astronautics and Rocketry, edited by Martin Summerfield. Symp. Papers (Stanford Univ., Aug. 1961). 670 pp. Academic Press, Inc., New York, 1962, \$9.25.

Physical Properties of Polymers. By F. Bueche. 354 pp. Interscience Division, John Wiley & Sons, Inc., New York, 1962. \$9.50.

Concise Physics for Ancillary Degree Students. By R. B. Morrison. 559 pp. (Edward Arnold, London) St. Martin's Press Inc., New York, 1962. \$8.00.

Neutron Physics. Symp. Proc. (Rensselaer Polytechnic Inst., May 1961). M. L. Yeater, ed. 303 pp. Academic Press Inc., New York, 1962. \$12.00.

Physics, A Basic Science (4th ed.). By Frank L. Verwiebe, Gordon E. Van Hooft, Robert R. Suchy. 688 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1962. \$5.96.

Luminescence of Organic and Inorganic Materials. Conf. Proc. (New York Univ., 1961). Hartmut P. Kallmann and Grace Marmor Spruch, eds. 664 pp. John Wiley & Sons, Inc., New York, 1962. \$16.00.

Gas Chromatography. By John H. Knox. 126 pp. (Methuen, London) John Wiley & Sons, Inc., New York, 1962. \$3,25.

Astronomical Techniques. W. A. Hiltner, ed. Volume 2 of Stars and Stellar Systems, edited by Gerard P. Kuiper and Barbara M. Middlehurst. 635 pp. U. of Chicago Press, Chicago, 1962. \$12.50.

MANAGER

SOLID MECHANICS

Staff promotions at the Armour Research Foundation have created an opening for an outstanding Mechanics Specialist who can assume the responsibility for technical supervision of an organized section of 14 professional staff members, more than 4 of whom have advanced degrees. The man to qualify for this position must be capable of planning and directing research in solid, analytical mechanics. Present activities of the group include

Particle Dynamics / Shock Isolation Wave Propagation / Continuum Mechanics

Armour Research Foundation is an independent organization which conducts basic and applied research for programs encompassing virtually all of the physical sciences and related technologies. In addition to an academic atmosphere and academic privileges, ARF offers numerous fringe benefits, including a onemonth vacation, a liberal retirement program, and an excellent major medical insurance plan.

Inquiries are invited. Please address resumes, including salary requirements, to Mr. George Zima.

ARF

ARMOUR RESEARCH FOUNDATION OF ILLINOIS INSTITUTE OF TECHNOLOGY

10 West 35th St., CHICAGO 16, ILLINOIS
An Equal Opportunity Employer