### Soviet Physics—SOLID STATE

Monthly. A cover to cover translation of the USSR Academy of Sciences journal, "Fizika Tverdogo Tela."

### Soviet Physics—TECHNICAL PHYSICS

Monthly. A cover to cover translation of the USSR Academy of Sciences journal, "Zhurnal Tekhnicheskoi Fiziki."

#### Soviet Physics—CRYSTALLOGRAPHY

Bimonthly. A cover to cover translation of the USSR Academy of Sciences journal, "Kristallografiya."

Please address orders and inquiries to the publisher:

AMERICAN INSTITUTE OF PHYSICS 335 East 45th Street, New York 17, N. Y.

## SENIOR PHYSICIST

Magnetics department of our Research Division offers an unusual opportunity for a physicist or engineer (Ph.D. desirable) to participate in and lead experimental and theoretical studies in various aspects of magnetism and magnetic materials. Company sponsored projects are underway on thin films, fine particles, magneto-optics and allied areas. Job environment emphasizes individual achievement.

## AMPEX CORPORATION

World Leader in Magnetic Recording

Send resumes to:

Donald F. Eldridge Head, Magnetics Department 934 Charter Street Redwood City, California

#### Books Received

OPTICS OF THIN FILMS. By A. Vašiček. Translated from Czechoslovakian by Mrs. H. Watney-Kaczér. 403 pp. (North-Holland Publishing Co., Netherlands) Interscience Publishers, Inc., New York, 1960. \$12.50.

PLASMA DYNAMICS: Symp. Proc. (Woods Hole, Mass., June 1958). Edited by Francis H. Clauser. 369 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1960. \$12.50.

An Introduction to Mathematical Statistics. By H. D. Brunk. 403 pp. Ginn & Co., Boston, Mass., 1960. \$7.00.

Analytic Function Theory, Vol. 1. By Einar Hille, 308 pp. Ginn & Co., Boston, Mass., 1959. \$6.50.

CALCULUS AND ANALYTIC GEOMETRY (3rd Revised Ed.). By George B. Thomas, Jr. 1010 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1960. \$9.75.

Introduction to Analysis. Vol. 1 of a Course in Mathematical Analysis. By Norman B. Haaser, Joseph P. La-Salle, Joseph A. Sullivan. 688 pp. Ginn & Co., Boston, Mass., 1959, \$8.50.

THERMOCHEMISTRY FOR STEELMAKING, Vol. 1. By John F. Elliott and Molly Gleiser. 296 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1960. \$10.50.

Engineering Thermodynamics: An Introductory Textbook. By James B. Jones and George A. Hawkins. 724 pp. John Wiley & Sons, Inc., New York, 1960. \$8.50.

MOLECULAR STRUCTURE: The Physical Approach, By J. C. D. Brand and J. C. Speakman. 300 pp. (Edward Arnold Ltd., England) St. Martin's Press, New York, 1960. \$8.00.

RADIOASTRONOMIE: Les Méthodes radioélectriques au Service de l'Astrophysique. By J. L. Steinberg and J. Lequeux. 294 pp. Dunod, Paris, 1960. Paperbound 19 NF.

MATHEMATICAL METHODS FOR DIGITAL COMPUTERS. Edited by Anthony Ralston and Herbert S. Wilf. 293 pp. John Wiley & Sons, Inc., New York, 1960. \$9.00.

MECHANICS OF MATERIALS. By Archie Higdon, Edward H. Ohlsen, William B. Stiles. 502 pp. John Wiley & Sons, Inc., New York, 1960. \$7.75.

Modern High School Chemistry: A Recommended Course of Study. By Edward F. Pierce. 109 pp. Bureau of Publications, Teachers College, Columbia U., New York, 1960. Paperbound \$1.50.

PLASMA PHYSICS. By J. G. Linhart. 278 pp. (North-Holland Publishing Co., Netherlands) Interscience Publishers, Inc., New York, 1960. \$7.00.

WAVE PROPAGATION IN A RANDOM MEDIUM. By Lev A. Chernov, Translated from Russian by R. A. Silverman, 168 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$7.50.

VISTAS IN ASTRONOMY, Vol. 3. Edited by Arthur Beer. 345 pp. Pergamon Press, New York & London, 1960. \$18.00.

MILLIMETER WAVES: Symp. Proc. (New York, N. Y., Mar.-Apr., 1959). Vol. 9 of Microwave Research Inst. Symposia Series. Edited by Jerome Fox and Martha Crowell. 656 pp. Polytechnic Press of the Polytechnic Inst. of B'klyn, New York, 1960. (Distributed by Interscience Publishers, New York.) \$8.00.

MAN HIGH. By David G. Simons with Don A. Schanche. 262 pp. Doubleday & Co., Inc., New York, 1960. \$4.50.

THE STORY OF CHEMISTRY. By Georg Lockemann. 277 pp. Philosophical Library, Inc., New York, 1959. \$4.75.

CRYOPHYSICS. By K. Mendelssohn. Vol. 7 of Interscience Tracts on Physics & Astronomy, edited by R. E. Marshak. 183 pp. Interscience Publishers, Inc., New York, 1960. Clothbound \$4.50; paperbound \$2.50.

CLASSICAL DYNAMICS. By R. H. Atkin. 273 pp. John Wiley & Sons, Inc., New York, 1960. \$5.25.

Advances in Applied Mechanics, Vol. 6. Edited by H. L. Dryden, Th. von Kármán, G. Kuerti, F. H. van den Dungen, L. Howarth, J. Pérès. 294 pp. Academic Press Inc., New York, 1960. \$9.00.

ATOMIC AGE PHYSICS. By Henry Semat and Harvey E. White. 230 pp. Rinehart & Co., Inc., New York, 1959. Paperbound \$2.00.

THE NATURE OF SCIENCE: and other essays. By David Greenwood. 95 pp. Philosophical Library, Inc., New York, 1959, \$3.75.

NUCLEAR SPECTROSCOPY. Edited by Fay Ajzenberg-Selove. Part A, 621 pp. Part B, 522 pp. Academic Press Inc., New York, 1960. \$16.00 each.

ELECTRICITY AND MAGNETISM. By Henry E. Duckworth. 424 pp. Holt, Rinehart and Winston, Inc., New York, 1960. \$8.00.

PHYSICS AND MEDICINE OF THE ATMOSPHERE AND SPACE: Symp. Proc. (San Antonio, Tex., Nov. 1958). Edited by Otis O. Benson, Jr. and Hubertus Strughold. 645 pp. John Wiley & Sons, Inc., New York, 1960. \$12.50.

FUNDAMENTALS OF SEMICONDUCTORS. By M. G. Scroggie. 160 pp. Gernsback Library, Inc., New York, 1960. Paperback \$2.95.

ORDINARY DIFFERENTIAL EQUATIONS AND THEIR SOLUTIONS. By George M. Murphy. 451 pp. D. Van Nostrand Co., Inc., 1960, \$8.50.

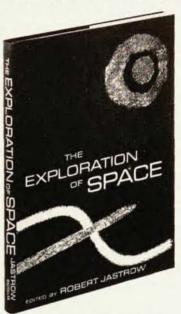
SPACE FLIGHT. Vol. 1, Environment and Celestial Mechanics. By Krafft A. Ehricke. 513 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$14.50.

NUCLEAR SCIENCE SERIES. NAS-NS 3004, The Radiochemistry of Thorium, by E. K. Hyde, 70 pp., \$.75. NAS-NS 3005, The Radiochemistry of Fluorine, Chlorine, Bromine, and Iodine, by J. Kleinberg and G. A. Cowan, 42 pp., \$.50. NAS-NS 3006, The Radiochemistry of Americium and Curium, by R. A. Penneman and T. K. Keenan, 62 pp., \$.75. NAS-NS 3007, The Radiochemistry of Chromium, by J. Pijck, 34 pp., \$.50. NAS-NS 3008, The Radiochemistry of Rhodium, by G. R. Choppin, 32 pp., \$.50. NAS-NS 3009, The Radiochemistry of Molybdenum, by E. M. Scadden and N. E. Ballou, 38 pp., \$.50. OTS, Dept. of Commerce, Washington, D. C., 1960. All paperbound.

Dover Reprints. The Universe of Light (Reprint of 1st Ed.), by Sir William Bragg, 283 pp., \$1.85. Radiative Transfer (Reprint of Revised 1950 Ed.), by S. Chandrasekhar, 393 pp., \$2.25. Three Copernican Treatises: Commentariolus, Letter against Werner, and Narratio prima (2nd Revised Ed.), translated from Latin by Edward Rosen, 283 pp., \$1.75. A Treatise on Gyrostatics and Rotational Motion: Theory and Applications (Reprint of 1918 Ed.), by Andrew Gray, 530 pp., \$2.75. Theory of Wing Sections: Including a Summary of Airfoil Data (Reprint of Corrected 1949 Ed.), by Ira H. Abbott and Albert E. von Doenhoff, 693 pp., \$2.95. Theory of Flight (Reprint of 1945 Ed.), by Richard von Mises, with W. Prager and G. Kuerti, 629 pp., \$2.85. Dover Publications, Inc., New York, 1960. All paperbound.

## 13 Noted Scientists Present A SPACE AGE SYMPOSIUM

Fred L. Whipple
Thomas Gold
Eugene Parker
James A. Van Allen
N. C. Christofilos
Homer E. Newell
Gerard P. Kuiper
Harold C. Urey
G. de Vaucouleurs
Herbert Friedman
Leo Goldberg
J. W. Townsend, Jr.
Robert Jastrow



# THE EXPLORATION OF SPACE

edited by Robert Jastrow

illustrated, \$5.50

Van Allen discusses the geomagnetically trapped corpuscular radiation; Christofilos reports on "The Argus Experiment;" de Vaucouleurs, on Mars and Venus; Goldberg, on astronomy from satellites and space vehicles; Whipple, on solid particles in the solar system. Other vital topics include rocket astronomy, plasma and magnetic fields in the solar system, the U. S. space-exploration program, and the U.S.S.R. report of an active volcano on the moon.

"... a comprehensive survey ... of the most recent developments in space exploration ... there is a wealth of new information which does not appear in most recent books on astronautics ... Highly recommended ..." — Library Journal

Order Today From Your Nearest Bookstore Or Write Dept. PT-2

## The Macmillan Company

60 FIFTH AVENUE, NEW YORK 11, N.Y.

In Canada: Brett-Macmillan Ltd., Galt, Ontario
Price subject to change