

new books

CONFERENCE PROCEEDINGS

Earthquake Displacement Fields and the Rotation of the Earth. (Conf. proc. NATO Advanced Study Institute, Dept. of Geophysics, Univ. of Western Ontario, London, Ont. Canada, 22-28 June 1969). L. Mansinha, D. E. Smylie, A. E. Beck, eds. 308 pp. Springer-Verlag (D. Reidel), New York, 1970. \$19.80

Precipitation Scavenging, 1970 (Conf. proc. Richland, Washington, 2-4 June 1970). R. J. Engelmann, W. G. N. Slinn, eds. 499 pp. US Atomic Energy Commission, National Technical Information Service, Springfield, Va., 1970. \$6.00

Physics of Ionized Gases (Conf. proc. International Summer School on the Physics of Ionized Gases, Herceg Novi, Yugoslavia, 6-16 July 1970). B. Navinsek ed. 728 pp. Institute "J. Stefan," Ljubljana, Yugoslavia, 1970.

ATOMS, MOLECULES

Studies in Physics and Chemistry, No. 8: Theory of Vibrational Spectroscopy. By D. Steele. 226 pp. W. B. Saunders, Philadelphia, Pa., 1971. \$15.00

CHEMICAL PHYSICS

Chemical Dynamics: Papers in Honor of Henry Eyring. J. O. Hirschfelder, D. Henderson, eds. 816 pp. Wiley, New York, 1971. \$22.50

Molecular Quantum Mechanics: An Introduction to Quantum Chemistry, Vol. 1 and 2, Parts I-III. By P. W. Atkins. 482 pp. Oxford U. P., New York (UK), 1970. \$5.50 each.

Quantum Chemistry, Vol 2: Molecular Spectroscopy. By I. N. Levine. 477 pp. Allyn and Bacon, Boston, Mass., 1970. \$11.25

OPTICS

Introduction to Meteorological Optics. By R. A. R. Tricker. 284 pp. American Elsevier, New York, 1971. \$11.00

QUANTUM ELECTRONICS

An Introduction to Lasers and Masers. By A. E. Siegman. 520 pp. McGraw-Hill, New York, 1971. \$18.50

Gas Laser Technology. By D. C. Sinclair, W. E. Bell. 161 pp. Holt, Rinehart and Winston, New York, 1969. \$7.25

CRYSTALS

Crystal Defects and Crystalline Interfaces. By W. Bollmann. 254 pp. Springer-Verlag, New York, 1970. \$27.00

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Experimental Astronomy. By J. C. Pecker. R. S. Kandel, trans. 105 pp. Springer-Verlag (D. Reidel), New York, 1970. \$9.30

Relativity and the Question of Discretization in Astronomy. By D. G. B. Edelen, A. G. Wilson. 186 pp. Springer-Verlag, New York, 1970. \$10.50

The Waves: The Nature of Sea Motion. By G. M. Hidy. 150 pp. Van Nostrand Reinhold, New York, 1971. \$3.95

THEORY AND MATHEMATICAL PHYSICS

Applied Diffraction Theory. By F. H. Northover. 632 pp. American Elsevier, New York, 1971. \$42.00

Continuous Transitions in Open Waveguides. By V. V. Shevchenko. 176 pp. Golem Press, Boulder, Colorado, 1971. \$12.00

Electronics and Machines. By R. E. Steven. 279 pp. Barnes and Noble, New York, 1971. \$8.00

INSTRUMENTATION AND TECHNIQUES

Electron Optics, 3rd ed. By O. Klemperer, M. E. Barnett. 506 pp. Cambridge U.P., New York, 1971. \$27.50

A Training Manual for Nuclear Medicine Technologists. G. H. Simmons, ed. US Department of Health, Education and Welfare, Bureau of Radiological Health, Rockville, Md., 1970. \$3.00

Worked Examples in X-Ray Spectrometry. By R. H. Jenkins, J. L. DeVries. 129 pp. Springer-Verlag, New York, 1970. \$5.80

HEAT, THERMODYNAMICS, STATISTICAL

MECHANICS

Studies in Statistical Mechanics, Vol. 5. J. De Boer, G. E. Uhlenbeck, eds. 239 pp. American Elsevier (North-Holland), New York, 1971. \$13.75

Thermophysics. By W. H. Giedt. 594 pp. Van Nostrand Reinhold, New York, 1971. \$13.95

GENERAL PHYSICS TEXTS

Physics and the Physical Universe. By J. B. Marion. 694 pp. Wiley, New York, 1971. \$13.95

Physics Demonstration Experiments, Vol. 1: Mechanics and Wave Motion, Vol. 2: Heat, Electricity and Magnetism, Optics, Atomic and Nuclear Physics. H. F. Meiners, ed. 1394 pp. Ronald Press, New York, 1970. \$30.00

Quantum Physics. By E. H. Wichmann. 423 pp. McGraw-Hill, New York, 1970. \$6.95

HISTORY AND PHILOSOPHY

Crucial Experiments in Modern Physics. By G. L. Trigg. 141 pp. Van Nostrand Reinhold, New York, 1971. \$2.95

The Discovery of Nuclear Fission: A Documentary History. By H. G. Graetzer, D. L. Anderson. 120 pp. Van Nostrand Reinhold, New York, 1971. \$2.95

MISCELLANEOUS

Publications of the National Bureau of Standards 1968-1969 (A Compilation of Abstracts and Key Words and Author Indexes). By B. L. Oberholtzer. 497 pp. US Department of Commerce, National Bureau of Standards, Washington, D. C., 1970. \$4.50 □

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