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PETER WINKLER
State University of New York
Stony Brook

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Advances in Nuclear Physics Vol. 7. M. Baranger, E. Vogt. 329 pp. Plenum, New York, 1973. \$20.00

Proceedings of the International Conference on Nuclear Physics. (Munich, 27 August-1 September 1973). J. de Boer, H. J. Mang, eds. 1576 pp. Elsevier, New York, 1974. \$78.00

Chemical Physics

Electrons in Fluids: The Nature of Metal-Ammonia Solutions. J. Jortner, N. R. Kestner, eds. 493 pp. Springer-Verlag, New York, 1973. \$44.10

Mössbauer Effect Data Index. (Covering the 1972 literature). J. G. Stevens, V. E. Stevens, eds. 488 pp. Plenum, New York, 1973. \$37.50

Vibrational Spectra of Polyatomic Molecules. L. M. Sverdlov, M. A. Kovner, E. P. Krainov. 644 pp. Halsted, New York, 1974. \$38.00

Acoustics

Physical Principles of Ultrasonic Technology. L. D. Rozenberg, ed. 2 volumes: 515 pp.; 544 pp. Plenum, New York, 1973. \$27.50 each

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Fourier-Optik und Holographie. E. Menzel, W. Mirandé, I. Weingärtner. 358 pp. Springer-Verlag, New York, 1974. \$71.30

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Physical Models for Semiconductor Devices. J. E. Carroll. 253 pp. Crane, Russak, New York, 1974. \$11.25

Semiconductor Physics. K. Seeger. 514 pp. Springer-Verlag, New York, 1973. \$23.10

Materials Science

The Chemistry of Imperfect Crystals Vol. 1: Preparation, Purification, Crystal Growth and Phase Theory, 2nd ed. F. A. Kroger. 313 pp. Elsevier, New York, 1973. \$25.50

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Oxide Semiconductors. Z. M. Jarzebski. 285 pp. Pergamon, New York, 1973. \$18.00

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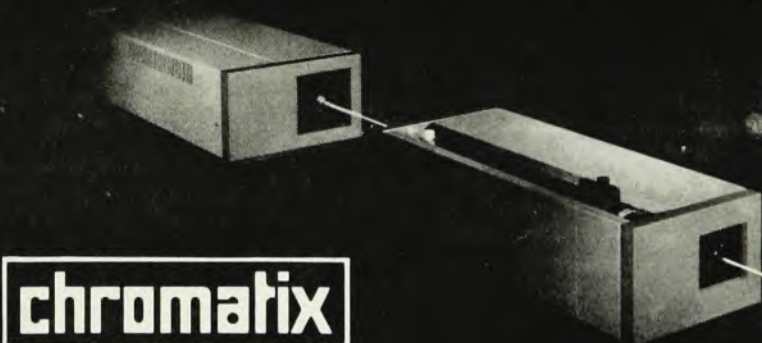
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SUPERFLUID HYDRO- DYNAMICS

by S. J. PUTTERMAN,
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(North-Holland Series in Low
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A central reason for interest in superfluids is that they display quantum effects on the macroscopic level and hydrodynamics on the microscopic level. The experiments which motivate this point of view and the resulting superfluid hydrodynamics theory are discussed in detail.

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R. N. West. 123 pp. Barnes & Noble,
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Hannay, ed. 540 pp. Plenum, New York,
1974. \$35.00

Low Temperature

**Monolayer and Submonolayer Helium
Films.** J. G. Daunt, E. Lerner, eds. 160
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itskii, V. V. Baron, Yu. V. Efimov, M. I.
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Houston, G. C. Phillips. 376 pp. Elsevier,
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A Quantum Mechanics Primer. D. T.
Gillespie. 137 pp. Halsted, New York,
1973. \$5.95

**Quantum Theory of Molecules and Solids
Vol. 4: The Self-Consistent Field for
Molecules and Solids.** J. C. Slater. 583
pp. McGraw-Hill, New York, 1973. \$20.00

**Recent Developments in Mathematical
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Instrumentation and Techniques

Applied Spectroscopy Reviews Vol. 7. E.
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Scientific Papers of Arthur Holly Compton, X-Ray and Other Studies. R. S. Shankland, ed. 806 pp. U. of Chicago Press, Chicago, 1973. \$27.50

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