

because of their special interests, this text should do much to stimulate activity by chemists.

DEPARTMENT OF CHEMISTRY
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JOHN E. VANCE

Fundamental Problems in Statistical Mechanics. Proceedings of the NUFFIC International Summary Course in Science at Nijenrode Castle, The Netherlands, August, 1961. Compiled by E. G. D. COHEN, Institute for Theoretical Physics, University of Amsterdam. Interscience Division, John Wiley and Sons, Inc., 440 Park Avenue South, New York 16, N. Y. 1962. xii + 249 pp. 15.5 × 23 cm. Price, \$7.50.

This book consists of lectures on topics of current interest in statistical mechanics given by experts to an assemblage of graduate students and young research workers. For the most part the lectures are clear and well organized, so that they should be followed easily by a student who has had decent courses in quantum mechanics and statistical mechanics.

The fundamental problems referred to in the title are mainly those of explaining the irreversible behavior of matter. There are also two chapters on liquid helium and on the Fermi gas. The various lecturers are B. R. A. Nijboer, H. Wergeland, K. Huang, N. M. Hugenholtz, E. G. D. Cohen, L. Van Hove, N. G. Van Kampen, P. Mazur and E. W. Montroll.

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October 10, 1962–November 10, 1962

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PROFESSEUR M. HAÏSSINSKY. With M. P. FAUGERAS, MLE. C. FERRADINI, M. H. FRANÇOIS, MLE. M. HEUBERGER, MME. M. PAGÉS, M. R. PASCARD, AND MME. C. PÉRÉBASKINE-COURTEVILLE. Published under the direction of PAUL PASCAL. "Nouveau Traité de Chimie Minérale." Tome XV. "Uranium et Transuraniens." Troisième Fascicule. "Transuraniens." Masson et Cie., 120, Boulevard Saint-Germain, Paris VI, France. 1962. 1090 pp. Broché, 180 NF.; cartonné toile, 192 NF.

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