

Books Received

The following books have been received by the Editor. Brief and generally uncritical notices are given of works of marginal crystallographic interest; occasionally a book of fundamental interest is included under this heading because of difficulty in finding a suitable reviewer without great delay.

Structure and bonding, Vol. 9. Edited by P. HEMMERICH, C. K. JØRGENSEN, J. B. NEILANDS, SIR RONALD S. NYHOLM, D. REINEN and R. J. P. WILLIAMS. Pp. 263. Berlin: Springer-Verlag, 1971. Price (soft cover) DM 64, U.S.\$ 17.60.

Structure and Bonding is issued at irregular intervals, according to the material received. The contents of this volume are:

D. OELKRUG. Absorption Spectra and Ligand Field Parameters of Tetragonal $3d$ -Transition Metal Fluorides. – D. W. THOMPSON. Structure and Bonding in Inorganic Derivatives of β -Diketones. – G. C. ALLEN & K. D. WARREN. The Electronic Spectra of the Hexafluoro Complexes of the First Transition Series. – P. KRUMHOLZ. Iron(II) Diimine and Related Complexes. – E. KÖNIG. The Nephe-

lauxetic Effect. Calculation and Accuracy of the Inter-electronic Repulsion Parameters 1. Cubic High Spin d^2 , d^3 , d^7 and d^8 Systems. – C. J. H. SCHUTTE. The *ab Initio* Calculation of Molecular Vibrational Frequencies and Force Constants.

Activation analysis. By M. RAKOVIC. London: Iliffe, 1970. Pp. 339. Price £ 6.00.

This book describes theoretical and experimental aspects of activation analysis. In this procedure samples are irradiated by neutrons or charged particles and nuclear reactions are induced which produce radioactive isotopes. An analysis of the radiation from these isotopes can reveal very small quantities of an element.