

BOOK REVIEW

Halogen Chemistry, Vols. 2 and 3, edited by V. GUTMANN, Academic Press, London, 1967. 115/-, \$20.— each.

Volumes 2 and 3 follow the pattern of Volume 1 (see *J. Organometal. Chem.*, 12 (1968) P 31) and provide a series of very useful and practically oriented reviews, each with an extensive list of references to about the end of 1965, with a few from 1966. Each volume has a good author index and about seven pages of subject index. Subjects under review in Volume 2 are: "Sulphur–Nitrogen–Halogen Compounds", by O. Glemser and M. Fild; "Fluorophosphoranes", by R. Schmutzler; "Halides of Arsenic and Antimony", by L. Kolditz; "Inorganic Silicon Halides", by E. Hengge; "Organoelement Halides of Germanium, Tin and Lead", by I. Ruidisch, H. Schmidbaur and H. Schumann; "Equilibria involving Halide Complexes in Aqueous Solution", by G. P. Haight, Jr.; "Halogenation and Halogen Exchange in Fused Salt Media", by N. R. Thompson and B. Tittle; and "Covalent Oxychlorides as Solvents", by V. Gutmann.

In Volume 3 we have: "Halides containing Multicentred Metal–Metal Bonds", by D. L. Kepert and K. Vrieze; "The Nature of Metal–Halogen Bonds", by R. G. Pearson and R. J. Mawby; "Review of Metal–Halogen Vibrational Frequencies", by R. J. H. Clark; "The Halides of Niobium and Tantalum", by F. Fairbrother; "Pentahalides of the Transition Metals", by A. D. Beveridge and H. C. Clark, "Halide Chemistry of Chromium, Molybdenum and Tungsten", by J. E. Fergusson; "The Halogen Chemistry of the Actinides", by K. W. Bagnall; and "The Halogeno Metal Carbonyls and Related Compounds", by F. Calderazzo.

Altogether the three volumes form a very useful compendium of recent developments in the chemistry of the halogens and should find a place in every chemical library. Each volume runs to about 480 pages, including the indexes, and at 115/- each, with present-day prices, represents good value for money. Nevertheless, only the more wealthy and more dedicated halogen chemists are likely to have them on their private bookshelves.

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