

Book Reviews

The chemistry of titanium and vanadium. By R. J. H. Clark, William Ramsay and Ralph Forster Laboratories, University College, London, Great Britain. Elsevier Publishing Company, Amsterdam-London-New York, 1968. Dfl. 65.00.

This monography presents mainly the information which has been obtained in the last ten years in the chemistry of titanium and vanadium. After a brief discussion of the history and properties of the elements, particular attention is given to the halides and oxyhalides and to the coordination chemistry of the two elements.

The electronic spectra of their complexes, their magnetism and vibrational spectra are also discussed. Then follows the chemistry of metal-oxo species and of the organometallic derivatives and finally there are chapters devoted to the oxides, sulphides and other binary compounds. Mention is made to specialized techniques and analytical procedures.

The subjects are presented in a clear way and a large bibliography and documentation is also reported. The book is nicely printed and illustrated. It is mainly intended for advanced students and research workers in the field of transition metal chemistry, electronic spectroscopy and magnetism.

The book is an appropriate response to the previous absence of critical reviews on the recent developments of the chemistry of these two elements and surely will meet success.

Lucio Cattalini

University of Padua, Italy

Inorganic Sulphur Chemistry. Edited by G. Nickless, University of Bristol. Elsevier Publishing Company, Amsterdam-London-New York, 1968. 747 pp. Ffl. 155.00.

This textbook is a complete survey of the inorganic chemistry of sulphur, which developed very rapidly in the recent years.

The volume collects in 19 chapters the contributions of 27 qualified scientists of many countries with over 4000 literature references and is divided into two sections, the first devoted to bonding and methods of investigation and the second describing the latest developments in the chemistry of the element and its inorganic compounds.

This book, which is nicely printed, is of particular interest to senior students and research workers.

Ugo Croatto

University of Padua, Italy