

## Book review

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*Plenary and Section Lectures Presented at the Fifth International Conference on Organometallic Chemistry held at Moscow, 16–21 August 1971*; edited by Z.N. Parnes, Butterworths, London, 1972, 635 pages, £8.60 (\$25.80)

This volume is the hard-cover version of *Pure and Applied Chemistry*, Vol. 30, Nos. 3/4 (1972). Included in its contents are the plenary lectures by E.O. Fischer (*Recent Aspects of Transition Metal Carbonyl Carbene Complexes*), H. Normant (*La Chimie des Organomagnésiens en France après Grignard*), F.G.A. Stone (*The Role of Fluorocarbons in Oxidative Addition and Elimination Reactions*) and M.E. Vol'pin (*The Reactions of Organometallic Compounds of Transition Metals with Molecular Nitrogen and Carbon Dioxide*), as well as section lectures by G. Costa (organocobalt chelates), M.L.H. Green (molybdenum chemistry), G.J.M. Van der Kerk (organozinc chemistry), I.F. Lutsenko (organometallic keto-enol systems), P.M. Maitlis (transition metal-induced reactions of acetylenes), J. Nasielski (pentacoordination), R. Okawara (thallium chemistry), S. Pasykiewicz (aluminum chemistry), M.D. Rausch ( $\pi$ -cyclopentadienyl and arene chemistry), G.T. Seaborg (actinide complexes), K.-H. Thiele ( $\tau$ -alkyl-transition metal halides), L.J. Todd (carboranes), T.G. Traylor ( $\sigma$ - $\pi$  conjugation) and G. Wilkinson ( $\sigma$ -bonded transition metal alkyls).

This volume presents an interesting cross section of contemporary organometallic chemistry and covers aspects of many areas of current interest. With 18 articles, all by different authors, a detailed discussion is not appropriate. Each article will find its interested readers, but those which are more general in scope, especially those by Fischer, Normant, Vol'pin, Maitlis, Green and Traylor, are recommended to those who will have a chance to read this book or the journal issue cited. The description of the synthesis of actinide tricyclopentadienyls on the microgram scale in the article by Seaborg makes fascinating reading.

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