mary, then, I welcome a brave, but not completely successful, attempt to meet a formidable challenge.

School of Chemistry and Molecular Sciences,
University of Sussex,
Brighton BN1 9QJ (Great Britain)

MICHAEL F. LAPPERT

Advances in Organometallic Chemistry, Volume 19; edited by F.G.A. Stone and R. West, Academic Press, New York, 1981, ix + 318 pages, $54.50

The latest in this well-known series contains the following contributions (the figures in brackets refer to the number of pages and references, respectively): Chemistry of Titanocene and Zirconocene, by G.P. Pez and J.N. Armor (44/145); Photochemistry of Organopolysilanes, by M. Ishikawa and M. Kumada (42/107); Alkali Metal—Transition Metal π-Complexes, by K. Jonas (23/62); Organic Compounds of Divalent Tin and Lead, by J.W. Connolly and C. Hoff (27/109); Novel Types of Metal—Metal Bonded Complexes Containing Allyl and Cyclopentadienyl Bridging Ligands, by H. Werner (25/52); Phase-Transfer Catalysis in Organometallic Chemistry, by H. Alper (26/78); Redistribution Reactions on Silicon Catalyzed by Transition Metal Complexes, by M.D. Curtis and P.S. Epstein (39/91); The Application of ^{13}C NMR Spectroscopy to Organo-Transition Metal Complexes, by P.W. Jolly and R. Mynott (45/95). This is followed by a short subject index (8 pages).

It will be noticed that in general these chapters are written by well-known authors. Indeed, in the case of chapters 2, 3, 5 and 6, to a large extent these are reviews of work carried out in the authors' laboratories. As for chapter 8, the examples which the authors choose to discuss in detail are selected from the compounds prepared at Mülheim by the Wilke group. Chapters 1 and 7 also contain significant contributions from their authors. The title of chapter 1 is somewhat misleading; the scope of this contribution is wider and deals with the chemistry of the metallocenes of Ti and Zr in oxidation states +2 and +3.

All of these reviews are very welcome and timely, and maintain the high standard set by preceding volumes in the series.

School of Chemistry and Molecular Sciences,
University of Sussex,
Brighton BN1 9QJ (Great Britain)

MICHAEL F. LAPPERT