

### Book review

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*Organometallic Chemistry Reviews/Plenary Lectures 5th (Karlsruhe) Organosilicon Symposium*, D. Seyferth (coordinating editor), A.G. Davies, E.O. Fischer, J.F. Normant and O.A. Reutov (editors), 1980, VIII + 432 pages, US\$ 105, Dfl 215, Elsevier Scientific Publishing Company, Amsterdam-Oxford-New York.

The readers of this Journal will now be very familiar with this series. The present volume is divided into two sections. The first deals with various topics in the organometallic chemistry of main group elements whereas the second presents review-type papers which formed the Plenary Lectures at the Fifth International Symposium on Organosilicon Chemistry (Karlsruhe, August 14–18, 1978). It is perhaps a little disappointing, although the volume is presented as usual by the direct photographic method from typescript, that there has been a long publication delay; references to 1978 papers are very rare. Many of the authors are well known authorities in their field and the surveys will undoubtedly be of use to specialists.

The detailed contents are as follows: Applications of organomagnesium compounds in polymerization; by D.B. Malpass, 17 pages, 134 references; Formation and reactivity of the complexes of carbonyl compounds with organo-aluminium compounds and aluminium chloride; by A. Sporzynski and K.B. Starowieyski, 20 pages, 109 references; Organofluorosilanes, by R.M. Pike and K.A. Koziski, 111 pages, 490 references; Structural evidence of coordination interactions in organic derivatives of mercury, tin and lead; by N.G. Furmanova, L.G. Kuz'mina and Yu.T. Struchkov, 34 pages, 91 references; The preparation of organotin compounds by the direct reaction; by J. Murphy and R.C. Poller, 33 pages, 241 references; Recent advances in the chemistry of arsonium ylides; by R.K. Bansal and S.K. Sharma, 27 pages, 60 references. Part 2: The environmental chemistry of liquid polydimethylsiloxanes, an overview; by C.L. Frye, 7 pages, 6 references; Cyclic silanes; by E.F. Hengge, 33 pages, 61 references; Silicon as a substituent and a link of heterocyclic rings; by L. Birkofer, 31 pages, 23 references; Recent developments in silyl-transition metal chemistry; by B.J. Aylett, 28 pages, 57 references; Mechanism of nucleophilic substitution at silicon; The nature of the driving force of stereochemistry; by R. Corriu, 16 pages, 20 references; Silicon-containing derivatives of carbonic acid; by V.F. Mironov, 32 pages, 83 references; and Novel aspects of silicon chemistry; by W. Buechner, 22 pages, 23 references.