

Book Reviews

Organometallic Chemistry Reviews Section B—Annual Surveys;

Vol. 4, No. 1. TRANSITION METALS: ANNUAL SURVEYS COVERING YEAR 1967; edited by R. B. KING and D. SEYFERTH. Elsevier Sequoia, Lausanne. 159 pp. Subscription price (4 issues) 80 Sfrs.

This new periodical is Vol. 4 of the previous book series *Annual Surveys of Organometallic Chemistry*, its purpose being to shorten the time lag between writer and reader. In Vol. 4, No. 1, following a short introduction by D. Seyferth, there is a brief general survey of recent developments in transition metal organometallic compounds by R. B. King containing 10 references to other review articles, 27 references to general theoretical and spectroscopic studies, and 30 references to general chemical studies. The next three sections are by F. Calderazzo and cover groups IVA and VA metals (78 references in all), and the Lanthanides and Actinides (6 references). The work surveyed is presented concisely with a reasonable amount of detail, although use of identical numbering for equations and diagrams could have been avoided. The survey includes the preparation of π -cyclopentadienyl derivatives of these metals, together with details of the chemistry of some of the new species.

The next eight sections are by R. B. King and cover groups VIA, VIIA, VIII and IB metals (674 references), with a separate section for ferrocene, ruthenocene and osmocene (87 references). There is a final shorter section devoted to organometallic derivatives containing two different transition metals. The work surveyed represents an extensive coverage of a large area of chemistry and as such cannot be expected to be too detailed. Nevertheless, the author has managed to include some discussion of many of the results presented. The repetition of authors names throughout seems to be unnecessary, although occasionally the reader may find this useful.

Throughout the volume, extensive use is made of diagrams and formulae; the quality of the paper and the reproduction is consistently good. The cost, at U.S. \$ 19.80 per year—one volume per year—three or four issues per volume, seems a little high. However, its value to the organometallic researcher renders it a worthwhile investment.

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Vol. 4, No. 2. MAIN GROUP METALS, GROUPS IA, IIA, IIB, IIIB: ANNUAL SURVEYS COVERING YEAR 1967; edited by R. B. KING and D. SEYFERTH. Elsevier Sequoia, Lausanne. 178 pp. Subscription price (4 issues) 80 Sfrs.

This is the first year in which *Annual Surveys* have been incorporated as *Section B* of *Organometallic Chemistry Reviews*. The second issue covering main