

Book Review

Organometallic Chemistry, Vol. 4, Senior Reporters, E.W. Abel and F.G.A. Stone, Chemical Society Publications, London, 1974, 497 pages, price \$74.25 U.S.

This volume of the Specialist Periodical Reports on Organometallic Chemistry covers the literature for the year 1974. The format followed is essentially the same as that for the previous volume. There are 18 chapters encompassing the following topics: Group I: The Alkali and Coinage Metals (J.L. Wardell); Group II: The Alkaline Earths and Zinc and its Congeners (J.L. Wardell); Group III: Boron (S.K. Gupta); Carboranes (T. Onak); Group III: Aluminium, Gallium, Indium, and Thallium (J.P. Maher); Group IV: The Silicon Group (D.A. Armitage); Group V: Antimony, Arsenic, and Bismuth (J.L. Wardell); Metal Carbonyls (E.W. Abel and F.G.A. Stone); Organometallic Compounds Containing Metal-Metal Bonds (N.G. Connelly); Substitution Reactions of Metal and Organometal Carbonyls with Group V and VI Donor Ligands (D.A. Edwards); Carbenes and Carbynes (J.A. Connor); Complexes Containing Metal-Carbon σ -Bonds (B.L. Booth); Hydrocarbon-Metal π -Complexes (B.L. Booth); η^3 -Allylic Complexes (M. Cooke); π -Cyclopentadienyl, π -Arene, and Related Complexes (W.E. Watts); Oxidative Addition and Related Reactions (S.D. Robinson); Homogeneous Catalysis by Transition-metal Complexes (C. White); Diffraction Studies of Organometallic Compounds (Lj. Manojlovic-Muir and K.W. Muir). While several of the chapters do overlap in content to some extent, the duplication of references has been kept to a minimum, and in all there are over 3500 individual reference citations. In several of the chapters, there is an additional bibliography listing references not discussed in the main text. Only in the last one, however, do the authors indicate the extent of their literature coverage; in this case, 42 journals were scanned. Since many of the reporters presumably rely upon computer search systems as their primary sources of literature references, I feel that future volumes in this series would benefit if the reporters stated the extent of their literature surveys, perhaps even down to naming the actual journals scanned. With regard to the contents and presentation of the present volume, all the reporters are to be congratulated on the clarity and thoroughness of their chapters. In order to produce a book of this type, it is necessary to use an extremely condensed format and so, at times, intensive reading of the material is an exhausting procedure. Despite this, this volume, and indeed all volumes in the series, are indispensable to all researchers in organometallic chemistry. Unfortunately, the high production cost many preclude many individual chemists from purchasing the book, but it is absolutely essential for

any library servicing organometallic chemists and one would hope that the complete series would form a basic part of their current collections.

Ian S. Butler
Department of Chemistry,
McGill University,
Montreal, Quebec,
H3C 3G1, Canada.

Item of interest to coordination chemists

**PROPOSED GROUP FLIGHTS TO THE XVIIIth INTERNATIONAL
CONFERENCE ON COORDINATION CHEMISTRY**

Sao Paulo, BRAZIL

July 18-23, 1977

Group flights are being organized to the XVIIIth International Conference on Coordination Chemistry, which will be held in Sao Paulo, Brazil from July 18-23, 1977. Flights will be departing from New York City with various itineraries in South America for various periods of time, including a one-week flight to the Conference only. Persons desiring additional information about these group flights should get in touch with:

Dr. Robert Halliday
Department of Chemistry
Adelphi University
Garden City, NY 11530 U.S.A.