Substitution Reactions", by W.G. Jackson (103 pages, 204 refs.); and Chapter 5, "Stereochemistry of Acetylenes Coordinated to Cobalt", by G. Pályi, G. Váradi, and L. Markó (53 pages, 216 refs.).

Chapter 3 appears to this reviewer to be the most useful and scholarly. Chapter 2 has no organometallic content. Chapter 4 has but to only a small extent; the Bailar inversion, referred to is the term used as the inorganic equivalent of Walden inversion in carbon chemistry.

There is a rather longer (38 pages) Subject Index, prepared by the editor on a chapter-by-chapter basis, which is really a detailed list of contents plus a formula index.

It is not clear to the reviewer that this new series will have a flavour distinct from others such as "Progress in Stereochemistry" or "Structure and Bonding".

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Organometallic Intramolecular-coordination Compounds; by I. Omae (Journal of Organometallic Chemistry Library, 18), Elsevier, Amsterdam, 1986, ix + 402 pages, DFl 250.00, US $ 92.50, ISBN 0-444-42584-5.

The title of this book at first glance may appear to be a little obscure. The topic under review is that of complexes containing hybrid ligands in which there is at least one metal carbon bond, but there is also chelation involving a further connectivity to the metal, which may be through an atom other than carbon, such as nitrogen, phosphorus, arsenic, antimony, oxygen, or sulphur.

Undoubtedly, this topic covers a very distinct area of organometallic chemistry and, as such, the review is likely to be of value. There are more than 1500 references, with a cut-off date in 1984. The emphasis is on synthesis. The manuscript has been prepared as camera-ready copy but, nevertheless, is neatly presented. There are a few clerical mistakes, some of which might possibly have been spotted at a proof stage had a different method of book preparation been employed.

One of the principal functions of this volume is as a basis for classification. The emphasis is on ligands, rather than metals. Despite its title, the principal concern of the author is to describe complexes of transition metals. Main group elements are rarely featured.

In some ways the present volume is a culmination of a process of reviewing, which the same author has steadily been carrying out during recent years. Hence, most of the topics have appeared in articles in either *Angew. Chem., Int. Ed. Engl.*, or *Coord. Chem. Rev.* during the last 4–6 years.

All in all, the present volume is a useful addition to this series.

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