

these minor shortcomings, this chapter again contains much interesting information and many useful experimental procedures.

The third chapter, by Perevalova and Nikitina, entitled "*Reactions of Bis(π -cyclopentadienyl)transition Metal Compounds*", is clearly the outstanding one of the book and would have made an excellent book by itself. The material is well-organized and provides detailed descriptions of many procedures useful in synthetic organometallic chemistry.

One drawback of the book is the publication delay. Two years seem to have elapsed between the time the manuscripts were sent to the publisher and the actual publication date. Some of the manuscripts were even completed earlier. Thus Perevalova and Nikitina completed their chapter in 1968. However, they have added an Appendix discussing the relevant literature during the period 1968–1970. Fortunately, the organization of this Appendix is the same as that of the main body of their chapter.

In summary, this book should be available to all laboratories which either are involved or may become involved in synthetic organometallic chemistry. Clearly, all institutional libraries should own a copy of this interesting and potentially useful book.

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Organosilicon Derivatives of Phosphorus and Sulfur; by S.N. Borisov, M.G. Voronkov and E.Ya. Lukevits, Plenum Press, New York – London, 1971, xiv + 343 pages, \$25.00.

This book, which is the fourth volume in a series of Monographs in Inorganic Chemistry, edited by E.G. Rochow is a translation (by C.N. Turton and T.I. Turton) of a Russian text published in 1968. The English translation has been updated to include literature published up to June 1, 1969 due to the 25% increase in the total number of publications in the intervening 18 months.

This book is unquestionably an impressive accomplishment. It represents the first systematic and comprehensive documentation of all available literature dealing with synthetic methods, physical, chemical, and biological properties, analytical techniques and practical applications of all types of phosphorus- and sulfur-containing organosilicon compounds.

A total of 1679 references are cited. The text has two chapters, the first dealing with phosphorus-containing compounds and the second dealing with sulfur-containing compounds. The references for each chapter appear at the end of that chapter which is very convenient. The organization of the references is similar to that used in the third volume of this series with works by Russian authors (29% of the total) being listed separately from those of "foreign" authors. As has been noted¹ previously, this represents "an unnecessary and undesirable nationalistic practice in an area of international activity."

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Nevertheless, the authors are to be congratulated for producing a text which will undoubtedly stand as a cornerstone in the fields of phosphorus-and sulfur-containing organosilicon compounds.

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I C. Eaborn, *J. Organometal. Chem.*, 26 (1971) 440.

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