

Organic Phosphorus Compounds; edited by G.M. Kosolapoff and L. Maier, Wiley-Interscience, New York, N.Y., 1973. Vol. 5, 329 pp; Vol. 6, 940 pp; each volume \$29.95.

These two volumes continue the Kosolapoff/Maier organophosphorus compound series, the first four volumes of which have been reviewed in this journal [1]. Volume 5 covers organic derivatives of hypophosphorous, hypodiphosphorous and hypophosphoric acid (M. Baudler) in a very short chapter and organic derivatives of phosphorous acid and thiophosphorous acid (W. Gerrard and H.R. Hudson) in a long chapter which makes up over 9/10 of the book. Volume 6 contains four long chapters: phosphinic acids and derivatives (P.C. Crofts), organic derivatives of phosphoric acid (E. Cherbuliez), phosphorus(V)—nitrogen compounds with phosphorus in coordination number 4 (E. Fluck and W. Haubold) and cyclophosphazenes and related ring compounds (R. Keat and R.A. Shaw). As in the previous volumes, preparative procedures, basic chemistry, physical and spectroscopic properties, structural and thermochemical data and, where appropriate, technological aspects are discussed in some detail for each compound class. Extensive tables of compounds follow each chapter. The general format and style is the same as in the previous four volumes.

This monumental opus, which now already numbers over 3350 pages and lists well over 15000 references, will be completed with Vol. 7 which is expected to appear around the end of the year. In view of its complete coverage of the field, it may be considered the "Gmelin" or the "Beilstein" of organophosphorus chemistry. However, although the editors have good cause to rest on their laurels when this task is complete, it is hoped that they will arrange to keep this series up-to-date, perhaps with supplementary tables of compounds.

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1 J. Organometal Chem., 57 (1973) C27.

Rodd's Chemistry of Carbon Compounds (Edited by S. Coffey). *Supplement to Vol. 1* (Edited by M.F. Ansell). *Aliphatic Compounds, Parts C and D*. Elsevier, Amsterdam, 1973, xx + 464 pages, Dfl. 120.00.

This supplement to the much used Rodd's Chemistry of Carbon Compounds covers material which has appeared since the second edition was published in 1964–65. It contains two sections, Part C, which deals with mono-carbonyl derivatives of aliphatic hydrocarbons, their oxidation products and derivatives, and Part D, which deals with dihydric alcohols, their oxidation products and derivatives. It consists of Chapters 8–17 of the Supplement