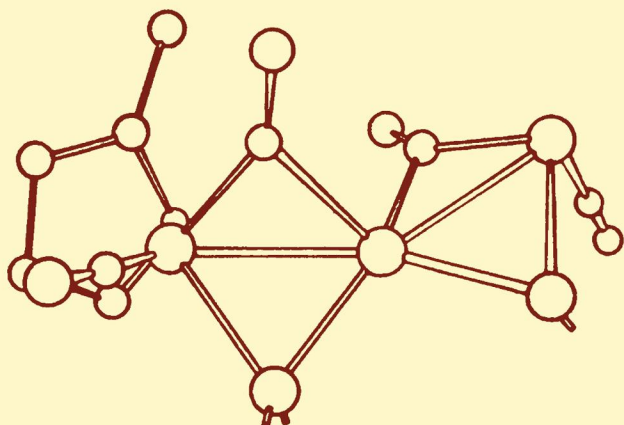


# CS Publications News

Specialist Periodical Report



## Organometallic Chemistry Vol. 7

Senior Reporters:

Professor E. W. Abel, *University of Exeter*

Professor F. G. A. Stone, *University of Bristol*

The seventh volume in this annual series of Specialist Periodical Reports on organometallic chemistry reviews the literature for the calendar year 1977.

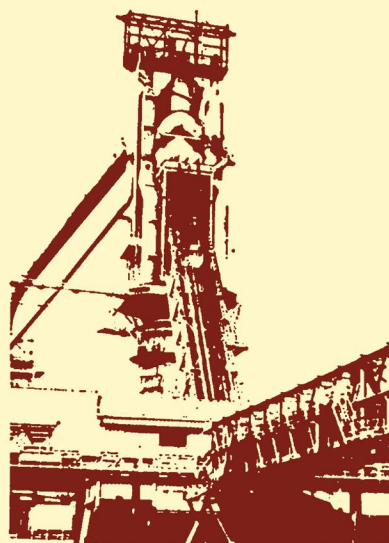
"The importance of this series is readily apparent in the face of an increasingly voluminous chemical literature. Here one finds critical reports on areas of current interest as well as the most recent of review articles."—*R. A. Bell, Coordination Chemistry Reviews, reviewing Vol. 5*

### Brief Contents:

Group I: The Alkali and Coinage Metals; Group II: The Alkaline Earths and Zinc and its Congeners; Group III: Boron; The Carbaboranes, including their Metal Complexes; Group III: Aluminium, Gallium, Indium, and Thallium; Group IV: The Silicon Group; Arsenic, Antimony, and Bismuth; Metal Carbonyls; Organometallic Compounds containing Metal-Metal Bonds; Ligand Substitution Reactions of Metal and Organometal Carbonyls with Group V and VI Donor Ligands; Complexes containing Metal-Carbon  $\sigma$ -Bonds; Hydrocarbon-Metal  $\pi$ -complexes;  $\pi$ -Cyclopentadienyl,  $\pi$ -Arene, and Related Complexes; Oxidative Addition and Related Reactions; Homogeneous Catalysis by Transition Metal Complexes; Organometallic Compounds in Biological Chemistry; Diffraction Studies of Organometallic Compounds.

Hardcover 520pp 8 $\frac{3}{4}$ "  $\times$  5 $\frac{5}{8}$ " 0 85186 561 5 £37  
CS Members Softcover edition £15

Special Publication No. 32



## Oxygen in the Metal and Gaseous Fuel Industries

The first of a series of triennial Priestley Conferences held at Leeds in 1977, was structured to mark the important contribution made by heterogeneous oxidation to the iron, steel, and non-ferrous metal industries, and to the production of gaseous fuels. It brought plenary lectures from Australia, Austria, and the USA, as well as from Britain. This volume contains the proceedings of the conference and covers the important contribution made by heterogeneous oxidation in iron and steel production, the LD Process, substitute natural gas manufacture, the gasifying and combustion of carbon, smelting, hydrometallurgical processes for winning metals, and welding.

### Brief Contents:

Priestley Lecture: Science and Education (Mrs Shirley Williams); Oxygen Today and Tomorrow; Oxygen in Iron and Steel Production; The Use of Oxygen in the LD Process for Steel Production; Oxygen in Substitute Natural Gas Manufacture; Oxygen in Substitute Natural Gas Manufacture as Viewed in the USA; How Oxygen Molecules Gasify Carbons; The Combustion of Carbon; Developments in Oxygen Smelting; Oxygen in Hydrometallurgical Processes for Winning Metals; Oxygen—The Good and Bad Performer in Welding.

Softcover 286pp 8 $\frac{1}{4}$ "  $\times$  5 $\frac{3}{8}$ " 0 85186 138 5 £6.50  
CS Members £3

# CS Publications News

SPECIALIST PERIODICAL REPORTS

## Foreign Compound Metabolism in Mammals Vol. 5



Senior Reporter: Dr D. E. Hathway,  
*Central Toxicology Laboratory, ICI Ltd.*

The fifth volume in this series covers the literature published during 1976 and 1977. The format differs slightly from that of previous volumes in that Drugs, Food Constituents, and Agricultural and Industrial Chemicals are treated in eight product-oriented specialist chapters, and objective material not covered ordinarily by these chapters is organised into five subject-oriented chapters.

"This volume is considered an essential item in the library of every serious student of drug disposition." — *Morton A. Schwartz, Journal of Pharmaceutical Sciences, reviewing Vol. 4*

Hardcover 582pp 8 $\frac{3}{4}$ " × 5 $\frac{5}{8}$ " 085186 048 6 £32.00 June 1979  
CS Members Softcover edition £13.00

## Organophosphorus Chemistry Vol. 10

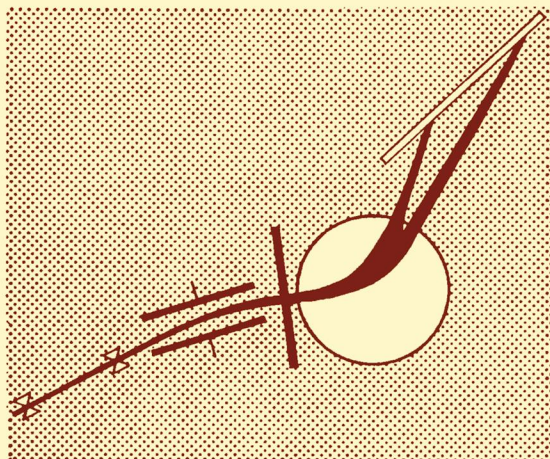
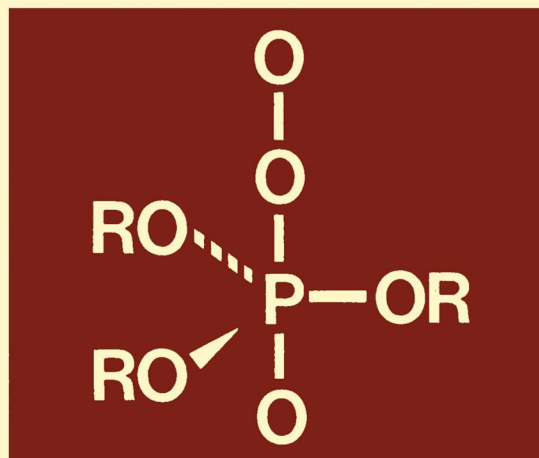
Senior Reporters:  
Dr D. W. Hutchinson, *University of Warwick*  
Professor S. Trippett, *University of Leicester*

The tenth volume in this highly successful series covers the literature published between July 1977 and June 1978.

### Brief Contents:

Phosphines and Phosphonium Salts; Quinquevalent Phosphorus Compounds; Halogenophosphines and Related Compounds; Phosphine Oxides and Sulphides; Tervalent Phosphorus Acids; Quinquevalent Phosphorus Acids; Phosphates and Phosphonates of Biochemical Interest; Nucleotides and Nucleic Acids; Ylides and Related Compounds; Phosphazenes; Physical Methods.

Hardcover 307pp 8 $\frac{3}{4}$ " × 5 $\frac{5}{8}$ " 0 85186 096 6 £28.00 July 1979  
CS Members Softcover edition £11.00



## Mass Spectrometry Vol. 5

Senior Reporter: Dr R. A. W. Johnstone,  
*University of Liverpool*

The fifth volume in this series reviews the literature published up to mid-1978 following the same general format as the previous volumes, but with the addition of a comprehensive cumulative subject index for volumes 1-5, thus providing an invaluable guide to the whole series.

"Overall, this is an extremely valuable publication maintaining the high reputation of the Specialist Reports on Mass Spectrometry. Mass spectrometry is developing rapidly at present and this volume captures the essence of these developments. . . . No laboratory or library should be without this book." — *Journal of Mass Spectrometry and Ion Physics, reviewing Vol. 4*

Hardcover 460pp 8 $\frac{3}{4}$ " × 5 $\frac{5}{8}$ " 0 85186 298 5 £25.00 May 1979  
CS Members Softcover edition £10.00

CS Members should send their orders to: The Membership Officer, The Chemical Society, 30 Russell Square, London WC1B 5DT  
All other orders should be sent to: The Chemical Society, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN

Printed in Great Britain by Richard Clay (The Chaucer Press), Ltd.,  
Bungay, Suffolk