

# Specialist Periodical Reports

The highly praised series of Chemical Society publications which provide systematic and comprehensive review coverage of the major areas of research in chemistry

## Carbohydrate Chemistry Vol. 7

Senior Reporter: Professor J. S. BRIMACOMBE, *University of Dundee*.

The seventh volume in this highly-praised series covers literature published during 1973.

Reviewing Volume 6 in the *Journal of the American Chemical Society* Hassan S. El Khadem said, "this comprehensive report has done an excellent job in summarizing 3,330 papers. A difficulty inherent in work like this is the presentation of seemingly unrelated topics in an interesting, pleasant to read manner. The authors surmounted this difficulty by emphasizing what they considered to be noteworthy achievements, while refraining from making sweeping

generalizations on trends. This report, like the preceding five volumes will be extremely useful to researchers in carbohydrate chemistry as well as to chemists interested in nucleosides, antibiotics, and macromolecules, enabling them to cover the literature in a given year quickly and thoroughly. The reporters and the Chemical Society are to be commended for this highly successful effort".

The volume is again divided into two sections:

1) mono-, di-, and tri-saccharides and their derivatives and 2) macromolecules.

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## Biosynthesis Vol. 3

Senior Reporter: Professor T. A. GEISSMAN, *University of California at Los Angeles*

This third volume covers the 1973 literature on the principal areas of biosynthetic study — terpenoids, alkaloids, flavonoids and polyphenols, physical methods — as reviewed in previous volumes. However, in view of the somewhat less intensive activity in the fields of non-alkaloidal nitrogenous compounds and non-flavonoid polyphenols, these topics are not covered in this volume. Instead, a new feature is introduced in the form of an extensive review of the biosynthesis of a single class of compounds, in this

case, the quinones, which embraces not only work published in 1973 but sufficient earlier work to provide a definitive overall treatment.

The chapter headings are as follows: Biosynthesis of C<sub>5</sub>-C<sub>20</sub> Terpenoid Compounds; Biosynthesis of Triterpenes, Steroids and Carotenoids; Biosynthesis of Alkaloids; Biosynthesis of Quinones; Biosynthesis of Phenolic Compounds Derived from Shikimate; Stable Isotopes in Biosynthetic Studies.

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# CS Publications News

## 100th volume in the Specialist Periodical Reports series

With the publication of *Organophosphorus Chemistry Volume 5* in June of this year, the *Specialist Periodical Reports* series has now reached 100 volumes currently available. These are spread over 35 individual titles which now cover most areas of chemical research. Since the introduction of the

series in 1968 with the publication of the first volume of *Carbohydrate Chemistry*, almost every title has drawn the consistent praise of reviewers for the admirable way in which the series fulfils the role of keeping the active research chemist abreast of the literature in his particular area. Detailed coverage of most areas is now provided on an annual or biennial basis and new titles are planned to start in 1976 or early 1977 to cover *Catalysis* and *Inorganic Biochemistry*. The titles currently available are as follows:

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Aromatic and Heteroaromatic Chemistry  
Biosynthesis  
Carbohydrate Chemistry  
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Colloid Science  
Dielectric and Related Molecular Processes  
Electrochemistry  
Electron Spin Resonance  
Electronic Structure and Magnetism of Inorganic Compounds  
Environmental Chemistry  
Fluorocarbon and Related Chemistry  
Foreign Compound Metabolism in Mammals  
Inorganic Chemistry of the Main-group Elements  
Inorganic Chemistry of the Transition Elements  
Inorganic Reaction Mechanisms  
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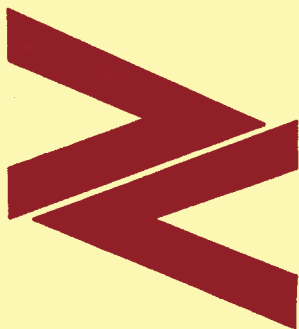
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### SPECIALIST PERIODICAL REPORTS

Recently published

## Organophosphorus Chemistry Vol. 6

Senior Reporter: Professor S. Trippett  
University of Leicester

The sixth volume in this highly successful series covers literature published between July 1973 and June 1974. It follows a very similar format to that adopted for previous volumes.

"This volume and the previous one are indispensable to the specialist. They should also reach a wider audience because they contain lively, inquisitive, and provocative writing. Phosphorus chemistry has come of age and Dr. Trippett and his reporters are able to recognize many of the key developments. Undoubtedly, Volume 4 will be even more exciting than the present one." — *Journal of the American Chemical Society* reviewing Vol. 3.

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## Foreign Compound Metabolism in Mammals Vol. 3

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

The third volume in this very successful series reviews the literature published during 1972 and 1973. It covers a steadily increasing number of contributions relating to mammalian metabolism against a framework of kinetics, reaction processes, reaction mechanisms and genetic aspects of metabolism, and mechanisms pertaining to drug interactions.

"As a work of reference, giving up-to-date information on basic concepts and on details of the metabolic fate of individual xenobiotics, to supplement established standard texts in this field, this volume, and indeed it is to be hoped, this series, will prove invaluable." — *Xenobiotica* reviewing Vol. 1.

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