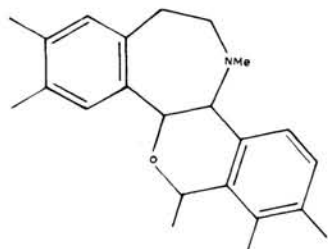


# RSC Publications

Specialist Periodical Reports



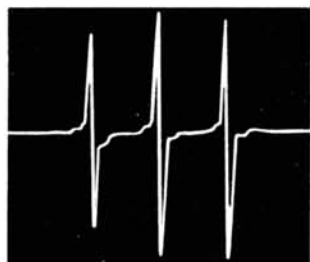
## The Alkaloids Vol. 9

Senior Reporter: Professor M. F. Grundon  
*New University of Ulster, Northern Ireland*

This new volume continues as previous volumes and reviews the literature published between July 1977 and June 1978. "For those who wish to keep abreast of the developments in the field of alkaloid chemistry, this volume is highly recommended."—*Journal of Pharmaceutical Sciences, reviewing Vol 7*

**Brief Contents:** Biosynthesis; Pyrrolidine, Piperidine, and Pyridine Alkaloids; Tropane Alkaloids; Pyrrolizidine Alkaloids; Indolizidine Alkaloids; Quinolizidine Alkaloids; Quinoline, Quinazoline, and Acridone Alkaloids;  $\beta$ -Phenethylamines and Isoquinoline Alkaloids; Aporphinoid Alkaloids; Amaryllidaceae Alkaloids; Erythrina and Related Alkaloids; Indole Alkaloids; Diterpenoid Alkaloids; Steroidal Alkaloids; Miscellaneous Alkaloids.

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**Brief Contents:** Chemically Induced Dynamic Electron Polarization (CIDEP); Theoretical Aspects of ESR; ENDOR and ELDOR; Triplets and Biradicals; Transition-Metal Ions; Inorganic and Organometallic Radicals; Organic Radicals: Structure; Organic Radicals: Kinetics and Mechanisms of their Reactions; Organic Radicals in Solids; Spin Label Studies; Biological and Medical Studies.

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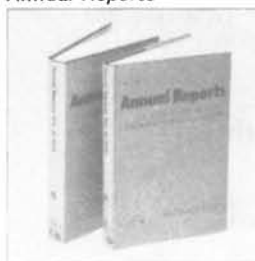
by Dr D. Betteridge and Dr H. E. Hallam  
*University College of Swansea*

This popular monograph, reprinted in November 1979, discusses the principles underlying the most important methods of quantitative and qualitative analysis used today. A unified and comparative approach is made throughout which emphasizes the breadth of the subject yet deals in more detail with the more difficult principles. The authors thus provide a text which will be of value to teachers, as school laboratories become equipped with instrumentation such as low cost pH meters, spectrophotometers and gas chromatographs. The monograph could also form the basis of short, undergraduate and GradRIC courses on Analytical Chemistry.

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Senior Reporters: Dr G. P. Moss, Dr J. H. P. Uitley,  
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*University of St Andrews*

**Vol 75 is again divided into two parts**

Part A covers physical and inorganic chemistry as follows:  
*Physical Chemistry:* Physical Chemistry of Proteins; Kinetic Studies of Metal Ion Catalysis of Heterolytic Reactions; Infrared Laser Photochemistry; Electronic Energy Transfer in Polymers; Electron Spin Resonance Spectroscopy;  
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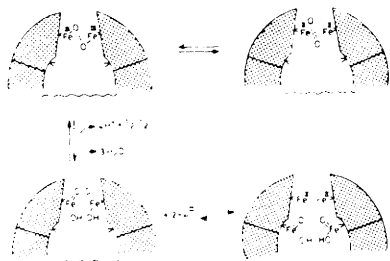
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# RSC Publications

Specialist Periodical Report



## Inorganic Biochemistry Vol. 1

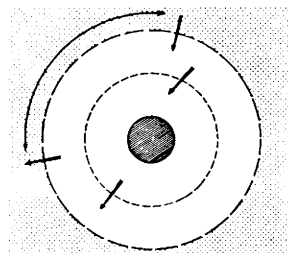
Senior Reporter: Dr H. A. O. Hill, *University of Oxford*

Inorganic Biochemistry can be defined as the biochemistry of those elements whose chemistry normally constitutes the province of inorganic chemists. Coverage is extremely wide, ranging from chemical physics to clinical medicine, and its influence is all-pervasive. There probably does not exist a single enzyme-catalysed reaction to which enzyme, substrate, product, or a combination of these is not influenced in a very direct and specific manner by the precise nature of the inorganic ions which surround and modify it.

The subject has developed dramatically this decade and it is believed that this volume, which reviews relevant work on the subject published in 1977, and those that follow in this new series will ease the burden of inorganic biochemists as they seek to relate their work to fields far beyond the confines of the traditional disciplines.

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Specialist Periodical Report



## Inorganic Reaction Mechanisms Vol. 6

Senior Reporter: Professor A. McAuley,  
*University of Victoria, B.C., Canada*

The sixth volume in this series on inorganic reaction mechanisms reviews the literature published between July 1976 and December 1977.

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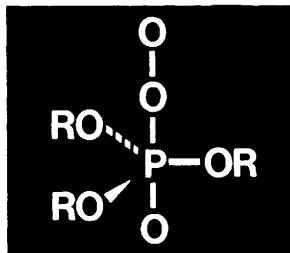
Part II: Substitution and Related Reactions: Non-metallic Elements; Inert Metal Complexes: Co-ordination Numbers Four and Five; Inert Metal Complexes: Co-ordination Number Six and Higher; Labile Metal Complexes; Solvent Effects

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## Organophosphorus Chemistry Vol. 10

Senior Reporters:

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

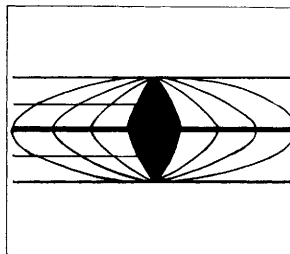
'The overall quality of the reports is high, and the scope of the literature is beyond that which would be possible for even the most indefatigable individual journal reader and note taker.'—*Bernard Miller, Journal of Medicinal Chemistry, reviewing Vol. 8*

### Brief Contents:

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Editors: Dr J. B. Dawson *University of Leeds*,

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