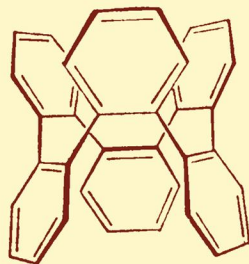


# CS Publications News

## SPECIALIST PERIODICAL REPORTS



### Aromatic and Heteroaromatic Chemistry Vol. 7

Senior Reporters: Professor H. Suschitzky and Dr O. Meth-Cohn, *University of Salford*

This seventh volume in the series reviews the literature abstracted on the subject between July 1977 and June 1978. "The new Senior Reporters have recast the format so that it parallels that of the 'Saturated Heterocyclic Chemistry' series. Almost everyone will also find a topic of interest elsewhere in this report, and the new format makes it easier to locate that topic via the table of contents." – *Journal of Medical Chemistry reviewing Vol. 6*

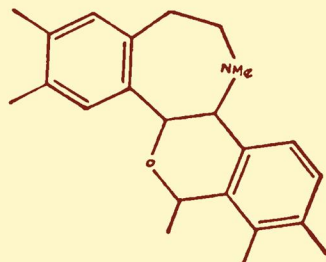
#### Brief Contents

Three- and Four-membered Ring Systems; Five-membered Ring Systems; Six-membered Homocyclic Compounds; Six-membered Heterocyclic Systems; Seven-membered Ring Systems; Medium-sized Rings and Macrocycles; Electrophilic Substitution; Nucleophilic Substitution Reactions; Aromatic Substitution by Free Radicals, Carbenes and Nitrenes; Porphyrins and Related Compounds.

Hardcover 381pp 8½" × 5½" 0 85186 600 × £33.00

September 1979

CS Members softcover edition £13.00



### The Alkaloids Vol. 9

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

This new volume continues as previous volumes and reviews the literature published between July 1977 and June 1978. "The comprehensive coverage of the alkaloid chemistry in this single volume continues to make such 'Periodical Reports' an indispensable source of knowledge to all chemists working in any area of alkaloid chemistry. The contributors and the editor are to be congratulated for bringing this volume to fruition in a little over a year after the period of literature coverage." – *Journal of Medicinal Chemistry, reviewing Vol. 8*

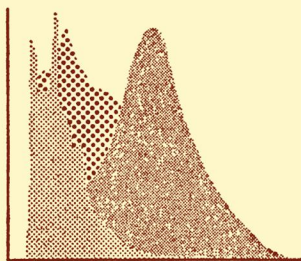
#### Brief Contents

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;

Hardcover 285pp 8½" × 5½" 0 85186 660 3 £27.00

October 1979

CS Members softcover edition £11.00



### Photochemistry Vol. 10

Senior Reporter: Professor D. Bryce-Smith, *University of Reading*

This volume is the tenth in the series of reviews in the field of photochemistry and covers the literature published between July 1977 and June 1978.

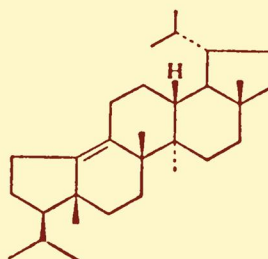
"All chemistry libraries which have at least a pretence of completeness should have a copy of this volume and a standing order for future volumes in the series. The quality of the printing, reproduction of figures, and the paper itself is excellent, which is refreshing in these days of shortcuts and photoreplication. The senior reporter and his colleagues are to be congratulated on a demanding assignment in which a very high standard of performance has been set and consistently achieved." – *Journal of Medicinal Chemistry reviewing Vol. 8*

#### Brief Contents:

*Part I:* Physical Aspects of Photochemistry; *Part II:* Photochemistry of Inorganic and Organometallic Compounds; *Part III:* Organic Aspects of Photochemistry; *Part IV:* Polymer Photochemistry; *Part V:* Photochemical Aspects of Solar Energy Conversion; *Part VI:* Chemical Aspects of Photobiology. Hardcover 680pp 8½" × 5½" 0 85186 590 9 £40.00

November 1979

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### Terpenoids and Steroids Vol. 9

Senior Reporter: Dr J. R. Hanson, *University of Sussex*

The ninth volume in this highly successful series covers the literature published between September 1977 and August 1978. "This volume was prepared by nine reporters in addition to the editor. Chemists interested in terpenoids or steroids should have access to this volume and others in the series. They are valuable in reviewing any topic in these subject areas, in developing new ideas and in identifying references for consultation." – *Journal of Pharmaceutical Sciences reviewing Vol. 7*

#### Brief Contents:

*Part I:* Terpenoids; Monoterpenoids; Sesquiterpenoids; Diterpenoids; Triterpenoids; Carotenoids and Polyterpenoids; *Part II:* Steroids; Steroid Reactions and Partial Syntheses; Hardcover 350pp 8½" × 5½" 0 85186 650 6 £28.00

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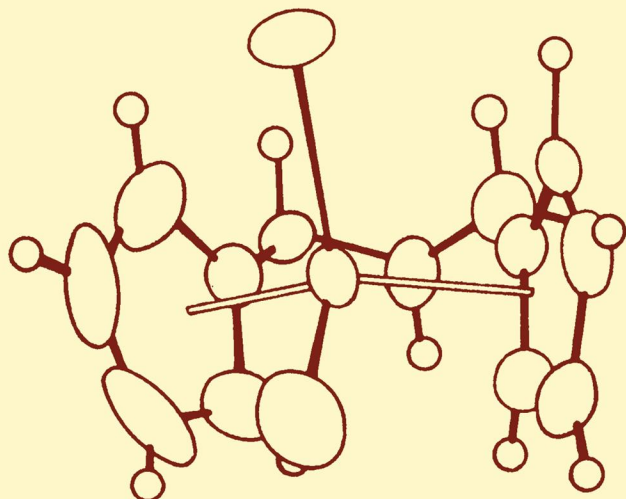
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# CS Publications News

## Specialist Periodical Reports



## Molecular Structure by Diffraction Methods No. 6

### Senior Reporters:

Dr L. E. Sutton, *University of Oxford*

Professor M. R. Truter, *Rothamsted Experimental Station*

This volume reviews the literature published up to September 1977. Coverage has changed slightly in that "molecular" is interpreted more widely to include macromolecules, and several new topics are discussed in which the reporters have been able to include background information on technique as well as results.

"The volume is packed with information pertaining to all aspects of molecular structure and as such is an unusually valuable reference."—*B. W. Matthews, Journal of the American Chemical Society, reviewing Vol. 3*

### Brief Contents:

Electron Diffraction Determinations of Gas-phase Molecular Structures; Molecular Mechanics Calculations; Structures Calculated by the Molecular Mechanics Method; Chemists' Guide to Discovering Information about Molecular Structures in Crystalline Solids; Neutron Diffraction; Silicates and Related Compounds; Molecular Interactions; Mono-, Oligo-, and Poly-saccharide Crystal Structures; Nucleic Acids and Their Constituents; The Structure of Globular Proteins; Pharmaceutically Active Small Molecules.

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CS Members Softcover edition £13.25

## 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.

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