

# CS Publications News

## SPECIALIST PERIODICAL REPORTS

### Alicyclic Chemistry Vol. 6

Senior Reporter: Professor M. A. McKervey  
*University College, Cork*

This volume follows a similar format to that adopted in previous volumes, and covers the literature published in 1976.

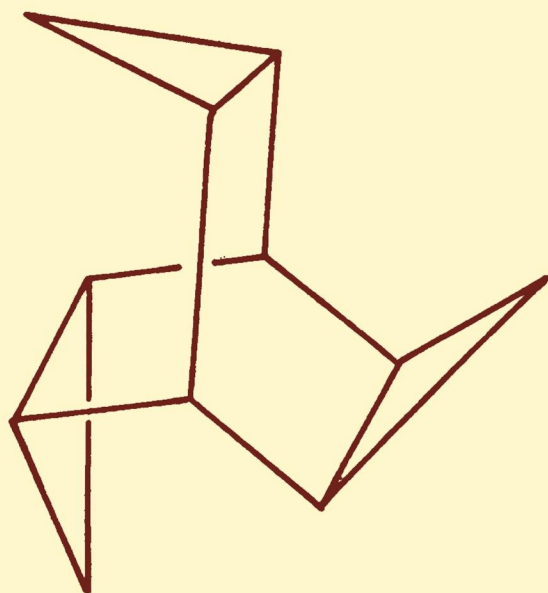
"Volume 4 maintains the same high quality and completeness of coverage of the previous volumes. The survey of the literature is indeed outstanding, but, more importantly, the interpretation of many of the reactions that were described is most welcome. The senior reporter and his collaborators have not been satisfied with merely documenting new literature but have done an outstanding job in organizing and interpreting it."—*Daniel Swern, Journal of American Oil Chemists' Society, reviewing Vol. 4*

"It is a volume that every organic chemist should know. It contains an excellent balance of discussion of syntheses and reactions of carbocycles mixed with a consideration of physical properties and structural studies of these systems."—*Robert E. Lyle, Journal of Medicinal Chemistry, reviewing Vol. 5*

#### Brief Contents:

Three-membered Rings; Four-membered Rings; Five and Six-membered Rings and Related Fused Systems; Medium- and Large-ring Compounds; Bridged Carbocyclics.

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### Catalysis Vol. 2

Senior Reporters: Professor C. Kemball and D. A. Dowden  
*University of Edinburgh*

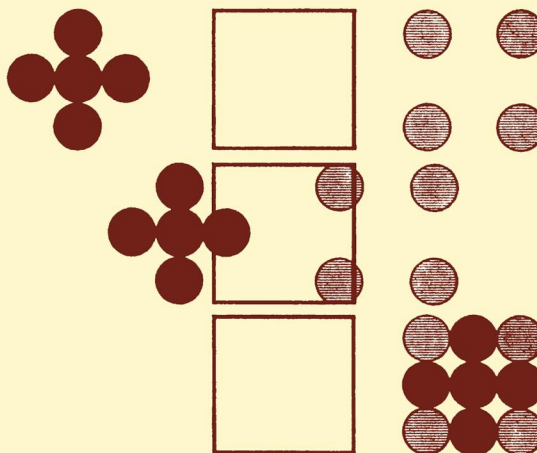
The second volume in this annual series covers the recent literature published up to late 1977. It includes aspects of homogeneous catalysis as well as covering heterogeneous catalysis in breadth and depth. The main emphasis is on the progress in fundamental research, but applied and industrial work is also included.

"Overall, this series promises to be most useful in providing easily accessible information with comment and criticism from research workers of note."—*Journal of Molecular Structure, reviewing Vol. 1*

#### Brief Contents

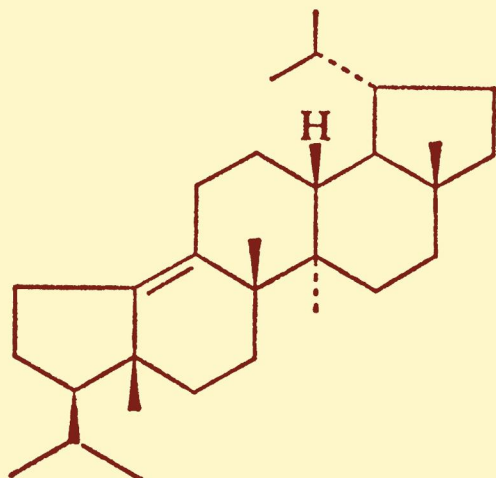
The Reactions of Hydrocarbons on Multimetallic Catalysts; The Synthesis of Ammonia and Related Reactions: The Heterogeneously Catalysed Hydrogenation of Carbon Monoxide; Heterogeneous Photo-catalysis; Catalytic Properties of Oxide Solid Solutions; Hydrogenation of Alkenes and Alkynes and Related Reactions Catalysed by Metals and Metal Complexes; Catalytic Chiral Synthesis; Homogeneous Catalytic Oxidation; Heterogenized Homogeneous Catalysts; Electrocatalysis.

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SPECIALIST PERIODICAL REPORTS



## Terpenoids and Steroids Vol. 8

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

The eighth volume in this highly successful series covers the literature published between September 1976 and August 1977.

"The quality of all the reviews in this volume is excellent. One can do nothing but wholeheartedly recommend this volume to all those chemists, and indeed biochemists, who are interested in terpenoids in general and/or steroids in particular."—*Robert J. Price, Biochemical Society Transactions, reviewing Vol. 6*

**Brief Contents:**

*Part 1: Terpenoids* Monoterpenoids; Sesquiterpenoids; Diterpenoids; Triterpenoids; Carotenoids and Polyterpenoids. *Part 2: Steroids* Physical Methods; Steroid Reactions and Partial Synthesis.

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## The Alkaloids Vol. 8

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

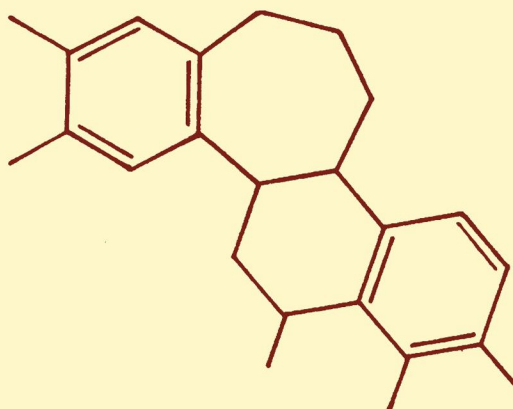
This volume reviews the literature published between July 1976 and June 1977.

"As in the past this volume serves as an invaluable aid to the researcher interested in natural products as a source of potential medicinal agents and in keeping up with the ever-increasing literature in this field."—*Journal of Medicinal Chemistry, reviewing Vol. 7.*

**Brief Contents:**

Biosynthesis; Pyrrolidine, Piperidine, and Pyridine Alkaloids; Pyrrolizidine Alkaloids; Indolizidine Alkaloids; Quinolizidine Alkaloids; Quinoline, Quinazoline, and Acridone Alkaloids; β-Phenethylamines and the Isoquinoline Alkaloids; Aporphinoid Alkaloids; Amarylidiaceae and Related Alkaloids; *Erythina* and Related Alkaloids; Indole Alkaloids; *Lycopodium* Alkaloids; Diterpenoid Alkaloids; Steroidal Alkaloids.

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## Photochemistry Vol. 9

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

This volume is the ninth in the series of reviews in the field of photochemistry, and covers the literature published between July 1976 and June 1977.

**Brief Contents:**

*Part 1: Physical Aspects of Photochemistry*

Spectroscopic and Theoretical Aspects; Photophysical Processes in Condensed Phases; Gas-phase Photoprocesses.

*Part 2: Photochemistry of Inorganic and Organometallic Compounds*

*Part 3: Organic Aspects of Photochemistry*

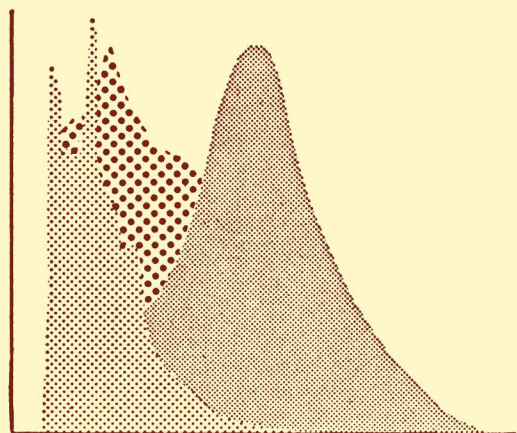
Photolysis of Carbonyl Compounds; Enone Cycloadditions and Rearrangements—Photoreactions of Cyclohexadienones and Quinones; Photochemistry of Olefins, Acetylenes, and Related Compounds; Photochemistry of Aromatic Compounds; Photo-reduction and -oxidation; Photoreactions of Compounds containing Heteroatoms other than Oxygen; Photoelimination.

*Part 4: Polymer Photochemistry*

*Part 5: Photochemical Aspects of Solar Energy Conversion*

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