

# CS Publications News

ACS SYMPOSIA

## Host Plant Resistance to Pests

Edited by Paul A. Hedin

The first part of the book describes natural chemical defences against disease in plants, and covers the biochemical aspects of plant disease resistance and susceptibility as well as the role of elicitors of phytoalexin accumulation.

Resistance to insects is discussed in the last part of the book. The effects of plant biochemicals on insect growth and nutritional physiology, the isolation and identification of toxic agents from plants, the behavioural and developmental factors affecting resistance to insects, and natural insecticides from cotton are studied.

Symposia No. 62 Clothbound 296pp 8½" x 6½" 0 8412 0389 X £16.50



## Flavor Chemistry of Animal Foods

Edited by Roger W. Bullard

Since animals cannot directly appraise food or food additives, there are many unique problems in animal flavour research that require the co-operation from specialists in many different fields. This volume covers the problems and recent advances in this field. Many domestic and non-domestic animals are discussed by specialists in organic and analytical chemistry, biochemistry, behaviour, biology, nutrition and physiology.

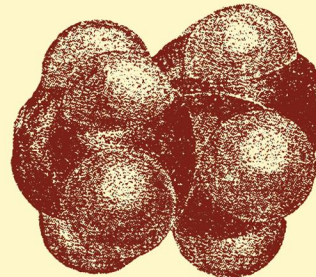
Symposia No. 67 Clothbound 183pp 8½" x 6½" 0 8412 0404 7 £13.50

## Organic Free Radicals

Edited by William A. Pryor

Twenty-seven chapters in this volume review the current research in the rapidly growing field of free radical chemistry. The first chapter gives a fascinating overview of forty years of free radical chemistry. The next nine chapters are concerned with initiator chemistry, while the following section discusses the structures and rearrangements of free radicals. The final chapters detail propagation reactions and deal with radical ion chemistry, termination reactions, stable radicals, and radical trapping.

Symposia No. 69 Clothbound 495pp 9¼" x 6½" 0 8412 0421 7 £22.25



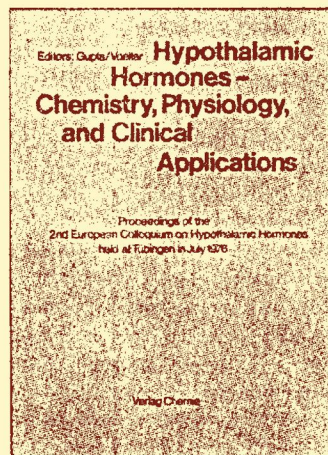
VERLAG CHEMIE

## Hypothalamic Hormones— Chemistry, Physiology and Clinical Applications

Edited by Derek Gupta and Wolfgang Voelter

This volume contains the papers presented at the Second European Colloquium on Hypothalamic Hormones, held at Tübingen in 1976. Coverage includes the attempted development of a superactive analogue, the regulatory processes of the release of the hypothalamic hormone, and ultramicro measurement of the hormone—all essential prerequisites for the development of rational methods of therapy in the realm of reproduction, whether they are directed to the control of fertility or to the treatment of infertility. The authors are convinced that existing technologies are capable of a significant improvement in the human condition everywhere on earth, if there is increased work in this important area.

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SPECIALIST PERIODICAL REPORTS

## General and Synthetic Methods Vol. 1

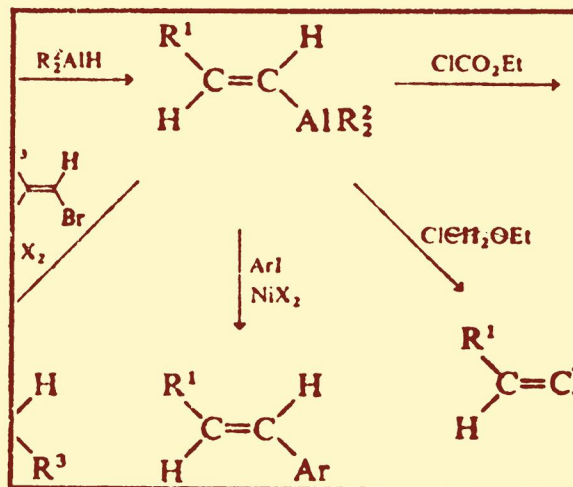
Senior Reporter: Dr G. Pattenden,  
*University of Nottingham*

The basic aim of this new series of Reports is to provide an up to date coverage and appraisal of functional group transformations and methodology in organic synthesis published each calendar year, beginning January 1976. Certain material that was previously covered in either *Saturated Heterocyclic Chemistry* or *Aliphatic Chemistry* is now incorporated in this new report.

### Brief Contents:

Saturated and Unsaturated Acyclic Hydrocarbons; Aldehydes and Ketones; Carboxylic Acids and Derivatives; Alcohols; Halogeno-compounds and Ethers; Amines, Nitriles, and Other Nitrogen-containing Functional Groups; Organometallics in Synthesis (I: The Transition Elements, II: Main-group Elements); Saturated Carbocyclic Ring Synthesis; Saturated Heterocyclic Ring Synthesis; Strategy and Design in Synthesis; Phase Transfer and Related Methods; Reviews on General Synthetic Methods.

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## Amino-acids, Peptides and Proteins Vol. 9

Senior Reporter: Dr R. C. Sheppard  
*MRC Laboratory of Molecular Biology, Cambridge*

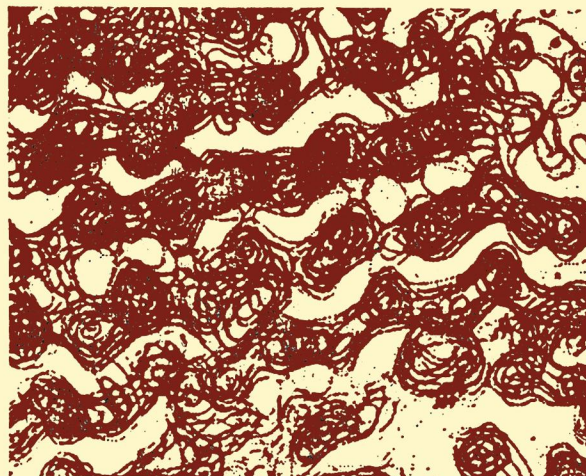
This volume is the ninth in the series of reviews in the field of amino-acids, peptides and proteins and covers the literature published in 1976.

"This eighth volume of the continuing series on amino-acids, peptides and proteins is of great help to all of us whose interests lie in peptide and protein chemistry. Overall, this volume maintains the very high standards we have been accustomed to in this series of Specialist Reports."—*Brian J. Johnson, Journal of Pharmaceutical Sciences reviewing Vol. 8*

### Brief Contents:

Amino-acids; Structural Investigation of Peptides and Proteins—IA: Isolation, General Properties, and Amino-acid Sequence Analysis; IB: Chemical Modification; II: X-Ray Studies; III: Conformation and Interaction of Peptides and Proteins in Solution; Peptide Synthesis; Peptides with structural Features not Typical of Proteins; Chemical Structure and Biological Activity of Hormones and Related Compounds; Metal Complexes of Amino-acids, Peptides, and Proteins

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