Journal of Chemical Research, Issue 9, 1990

Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research (S)*, Issue 9, is reproduced below.

N.B. The numbers in parentheses, prefaced by *M*, indicate the first frame occupied by the *full-text version* of the paper in *J. Chem. Research (M)*. Where no such number is given, the paper as published in *J. Chem. Research (S)* is complete in itself, and there is no extra material in Part *M*.

Printed in England by Clays Ltd, St Ives plc

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Dynamic Properties of Biomolecular Assemblies

Edited by S.E. Harding, *University of Nottingham* and A.J. Rowe, *University of Leicester.*

In this important new book the authors have sought to cover recent advances in a range of techniques that can be regarded as 'Dynamic' (Hydrodynamics, NMR, Dynamic Light Scattering, Fluorescence Anisotropy Decay and Electro-Optics), and their application to specific assemblies of biological macromolecules: assemblies involving proteins, nucleic acids and glycoconjugates. Some important advances in the capture and analysis of data (in many cases of the notoriously difficult 'multi-exponential' type) are identified, In vivo, assemblies of biological macromolecules do not always exist in a dilute solution environment – normally far from it – and some attention is paid to the dynamic properties of more concentrated dispersions.

Special Publication No 74
Hardcover viii+376 pp
ISBN 0 85186 896 7 (1989)
Price £45.00

Biochemical Approaches to Cellular Calcium

Methodological Surveys in Biochemistry and Analysis Volume 19(B)

Edited by Eric Reid, *Guildford Academic Associates*, G.M.W. Cook, *University of Cambridge* and J.P. Luzio, *University of Cambridge.*

Methodological Surveys in Biochemistry and Analysis is divided into two sub-series, A: Analysis and B: Biochemistry, which are published alternately. A: Focuses on determining drugs in body fluids, the study of trace organics, and subtle chromatography. B: Focuses on cellular aspects of biochemistry, with different themes relevant to biochemical pharmacology including endocrincology, pathology and muscle function. Each book is an integrated compendium of edited articles, with authorative international authorship. All volumes contain a thorough subject index and sub-series A has an analyte index too.

Hardcover xvi+496 pp
ISBN 0 85186 926 2 (1989)
Price £65.00

Biotransformations

A Survey of the Biotransformations of Drugs and Chemicals in Animals

Edited by David R. Hawkins *Huntingdon Research Centre*

The series has been devised to provide an up-to-date survey of the literature on the biotransformation of pharmaceuticals, pesticides, food additives, and environmental and industrial chemicals in animals. The objective is to provide a comprehensive data base which will allow an increased awareness of patterns in species differences and the influence of chemical structure on biotransformation pathways.
The material has been collated into chemical classes but an additional feature is the definition and allocation of key functional groups for each compound. The functional groups selected are those commonly associated with biotransformation. Indexing these functional groups provides ready access to reports on compounds containing common structural features. An additional index of biotransformation processes and compound names further increases the accessibility of relevant information.

Volume 2
Hardcover xx+496 pp
ISBN 0 85186 167 9 (1990)
Price £79.50

Volume 1
Hardcover xxii+512 pp
ISBN 0 85186 157 1 (1989)
Price £75.00

Calixarenes

Series: Monographs in Supramolecular Chemistry
By C. David Gutsche, *Washington University, St. Louis, USA.*

Description and Contents
Calixarenes is the first book to be published in the new 'Monographs in Supramolecular Chemistry' series and is also the first complete survey available of this rapidly developing field. It provides a fascinating and lively account of the history, development and applications of calixarenes, which are probably the world's most readily available synthetic molecular baskets. These basket-shaped compounds possess the ability to hold metal ions, as well as molecules, in their interior and as a result of their extraordinarily easy synthesis from phenols and aldehydes are receiving increasingly wide attention.

Hardcover xii+224 pp
ISBN 0 85186 916 5 (1989)
Price £39.50
Standing Order Price for this title for customers placing an order for all titles in the series £35.00

ROYAL SOCIETY OF CHEMISTRY
Information Services

To Order, *Please write to the:* Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN. UK. **or telephone** (0462) 672555 quoting your credit card details. We can now accept Access/Visa/MasterCard/Eurocard.

For further information, *please write to the:*
Royal Society of Chemistry, Sales and Promotion Department, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF. UK.

RSC Members *should obtain members prices and order from :*
The Membership Affairs Department at the Cambridge address above.