Journal of Chemical Research, Issue 11, 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 11, is reproduced below.

Rhodium-catalysed Reaction of Methyl Diazoacetoacetate with 5-(p-Methoxyphenyl)-1,3,4-oxathiazol-2-one; Isolation and Crystal

Structure of Methyl 2-(p-Methoxyphenyl)-6-methyl-1,4,3-oxathiazine-5-carboxylate Alexander J. Blake, Peter A.

- Brownsort, lan Gosney and R. Michael Paton Reactions of Carbonyl Compounds in Basic Solutions. Part 16.1 The Alkaline Hydrolysis of 3-Phenylacetamido-1,4-diphenyl-344 (M2682)azetidin-2-one and an H_ Acidity Function for Amides; the Ionisation of Benzanilides Keith Bowden and Keith Bromley Synthesis of Benzoate Salts of Alkyl 4-Amino-2,6-diaryl-1,2,5,6-tetrahydropyridine-3-carboxylates via 5-Alkoxycarbonyl-2,4-345 (M2712)diaryl-6-methyl-1,2,3,4-tetrahydropyrimidinium Benzoates Conor N. O'Callaghan and T. Brian H. McMurry Photolysis of Diethyl(triphenylmethyl)amine and Diethyl(triphenylsilyl)amine Min Shi, Yoshiki Okamoto and Setsuo 346 (M2616)Takamuku Solvent Extraction of Lanthanoid Picrates with Benzocrown Ethers: Enhanced Cation Selectivities Kazuharu Nakagawa, 348 Yoshihisa Inoue and Tadao Hakushi (M2625)Synthesis of Pyrazolo[a]acridin-9(10H)-ones Gérard Boyer, Jean-Pierre Galy, Robert Faure, José Elguero and Jacques 350 (M 2601) Barbe Preparation of Some Steroidal Thiazolethiones and Thiazolidinethiones S. Mahmoud Ali, David Clarke, Geoffrey R. Cliff and 352 George A. Morrison (M2638)New Ylidene-substituted Oxazolo[3,2-d][1,2,4]triazines and X-Ray Crystal Structure of the Ring System: the Reaction of 354 Substituted 2,3-Dihydro-1,2,4-triazines with Dimethyl Acetylenedicarboxylate Richard N. Butler, J. Paul Duffy, Patrick (M 2669) McArdle and Desmond Cunningham Acid-catalysed Ring Opening of α -Bis(methylthio)-methylenealkyl Cyclopropyl Ketones: a Novel Approach to Substituted 356 Cyclopentanones Biswajit Deb, Hiriyakkanavar IIa and Hiriyakkanavar Junjappa (M2728)Simple (R) Chirally Induced Syntheses of (+)-(2E,4E,8Z)-Ethyl 6-Tetrahydropyranyloxytetradeca-2,4,8-trienoate, a Prosynthon 358 (M 2759) C-14 for LTB₄ Paolo Leggeri, Marcello Di Giacomo, Ornella Azzolina, Dina Vercesi and Demetrio Pirillo 360 Addition Reactions of Acetylenic Esters upon 6-Substituted-α-tetralone Ketoximes and Conversion of the Adducts into 4,5-Dihydro-1*H*-benz[*g*]indoles Gérard Aimè Pinna, Maria Antonietta Pirisi and Giuseppe Paglietti (M 2777)
 - 364 The First Example of a Propeller Thio Crown

343

362

(-)

(M 2656)

(-) Kenneth I. Kinnear, Joyce C. Lockhart and Susan Dodsworth

benzothiazin-3(4H)-one Terence C. Owen and Gurinder J. S. Doad

366 Stereoselective Epoxidation of Stigmasterol and Pregnenolone to give 5β , 6β -Epoxides Lydia R. Galagovsky and Eduardo G. (—) Gros

2-Acetyl-3-methylbenzothiazolium Trifluoromethanesulphonate and its Rearrangement into 2-Hydroxy-2,4-dimethyl-2H-1,4-

- 368 Reaction of Steroidal α-Bromoketones with 2-Aminopyridine Mohammad Mushfiq, Nadeem Iqbal, Geetesh Mudgal and (—) Dilshad Ahmad
- Potentiometric and Spectroscopic Studies on the Co-ordination Ability of Copper(II) to 2-Amino-2-(2,3-Dideoxy-β-D-erythro-hex 2-enopyranosyl)propionic Acid Malgorzata Jezowska-Bojczuk, Patrick Decock, Lino Colombo and Giovanni Micera
- Purines, Pyrimidines and Imidazoles. Part 65.¹ Novel Synthesis of Some Dihydrouracil-5-carboxamidines **Demetrios C.**(—) **Agathocleous, Hussieny H. Moharram** and **Gordon Shaw**
- 376 A New Synthesis of (R)-GABOB and (R)-Oxiracetam
- (M 2701) Mario Orena, Gianni Porzi and Sergio Sandri

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.

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 subseries 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 ChemistryBy 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.