## Journal of Chemical Research, Issue 2, 1988

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 2, is reproduced below.

Natural Acetylenes. Part 63. C<sub>10</sub>-Dihydroxydiynones from Cultures of the Fungus Psilocybe bullacea (Bull.) Michael M. Hann, (M 0401) Maritza Dorta de Marquez, and Viktor Thaller 48 Preparation of Dicationic Platinum(II) Complexes containing Bidentate Ligands: N.m.r. trans- and cis-Influences Gordon K. Anderson and Ravi Kumar (M0432)The Reaction of Diphenylsulphilimine with Benzothiopyran-4-one 1,1-Dioxides and Benzothiopyran-2-ones Katherine Buggle 49 (M0457)and Bernadette Fallon Synthesis of Pyrimido[4',5'-4,5]thieno[2,3-b]quinolin-4(3H)-ones 50 (M0537)T. Tilak Raj and Sarvottam Y. Ambekar A New and Simple Synthesis of (+)- and (-)-threo-Ephedrine (M 0684) José L. Marco Alkyne Complexes of Molybdenum(III) and Tungsten(III). Preparation, Spectroscopic Properties, and Reactions of some New 52 (M0410)Dinuclear lodide-bridged '4-Electron' Monoalkyne Complexes of the Type  $[M(\mu-1)](CO)(NCMe)(\eta^2-RC_2R')]_2$  Elaine M. Armstrong, Paul K. Baker, and Stuart G. Fraser The Effect of Nitric Oxide on the Kinetics of Decomposition of Thionitrites (M0444)Michael S. Garley and Geoffrey Stedman 56 The Crystal Structures of 4,16-Dioxa-1,7,13,19-tetrathia[7.7](2,5)-1,3,4-thiadiazolophane and its Complex with Cu(NO<sub>3</sub>)<sub>2</sub> David (M 0469) W. Evans, Frank R. Fronczek, William L. Jarrett, Charles N. Moorefield, Melinda E. Oliver, Steven F. Watkins, and Sebastiano Pappalardo Kinetics of the Solvolysis of Chloropenta-amminecobalt(III) lons in Water and in Water-Propan-2-ol Mixtures Kamal H. 58 (M 0501) Halawani and Cecil F. Wells 60 The Synthesis and Characterisation of New Phenolato Complexes of Copper(II) and Some Adducts with Ethylenediamine Eric (M 0519) W. Ainscough, Alistair G. Bingham, Andrew M. Brodie, Darren R. Englebretsen, and June M. Husbands Peptide Synthesis using the Pyrrole Ring as an Amino Protecting Group Choji Kashima, Tatsuya Maruyama, Kazuo Harada, (M0601)Shigeki Hibi, and Yoshimori Omote 64 Lipophilic Complexones, Part 5. Synthesis of Di- and Tri-armed Ligands bearing Glycine and Glycylglycine Jacek Skaržewski and Jacek Młochowski (M 0552) Formation of Mixed-ligand Complexes of Copper(II) with Chloride and Pyridine or Substituted Pyridines in 1,2-Dichloroethane 66 Keiichi Satoh, Toshio Suzuki, and Kiyoshi Sawada (M0570)Synthesis of Indole and Oxindole Derivatives from N-β-Alkenyl-o-chloroanilines and N-β-Alkenyl-o-chloroanilides with 68 (M0464)Tetrakis(triphenylphosphine)nickel(0) and Zerovalent Pyridine-Nickel Complexes Laureano Canoira and J. Gonzalo Rodriguez The X-Ray Structure of N-(2,2-Diethoxyethyl)-3-(3,4-dimethoxyphenyl)-6,7,8-trimethoxy-1-methyl-1,2,3,4-tetrahydroisoguinoline 70 (M0591)Juan M. Arrieta, Dolores Badía, Ester Dominguez, Ester Lete, Eduardo Martinez de Marigorta, Gabriel Germain, Methaxia Vlassi, and Tony Debaerdemaeker Studies in Sulphur Heterocycles. Part 5. Further Use of 6,7-Dihydrobenzo[b]thiophen-4(5H)-one in the Synthesis of Substituted Benzo[b]thiophene Derivatives Sumana Datta, Subhra Bhattacharya (née Majumdar), Asish De, and Ajit Kumar (M 0667) Chakravarty 74 Steric Effects of Nitro and Methoxy Groups in 2,2'-Bridged Biphenyls (M 0701) Joan M. Insole 76 Kinetics and Mechanism of the Nitrosation of Indol-3-ylacetic Acid Albino Castro, Pablo Hervés, Emilia Iglesias, J. Ramon Leis, and M. Elena Peña (---) 78 Pakyonol, a Macrocyclic Bisbibenzyl Diether from the Liverwort Mannia fragrans Siegfried Huneck, Joseph D. Connolly, David S. Rycroft, and Neill Woods Ultrasonically Assisted O-Alkylation Reactions of 5-Hydroxychromones Timothy J. Mason, John P. Lorimer, Andrew T. 80 Turner, and Alan R. Harris (---) 82 Stereoselective Alkylation of a Codeine  $\eta$ -Chromium Tricarbonyl Complex Neil Mathews and Malcolm Sainsbury (<del>---</del>) Synthesis of 3,8-Dimethyl-2-nitro-3H-imidazo[4,5-f]quinoxaline, the 2-Nitro Analogue of the Food Carcinogen MelQx Spiros 84 (<del>---</del>) Grivas

and there is no extra material in Part M.

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,

# NEW BOOKS FOR ORGANIC CHEMISTS AND BIOCHEMISTS

## **Amino Acids and Peptides Vol. 18**

This series was previously entitled 'Amino Acids, Peptides, and Proteins'. The latest volume in the series covers the literature published on the subject during 1985.

#### **Brief Contents:**

Amino Acids; Peptide Synthesis; Analogue and Conformational Studies on Peptide Hormones and Other Biologically Active Peptides; Cyclic Modified and Conjugate Peptides; B-Lactam Antibiotic Chemistry; Metal Complexes of Amino Acids and Peptides.

Specialist Periodical Report

Senior Reporter: J. H. Jones, University of Oxford

Hardcover 314pp ISBN 0 85186 164 4 Price £64.00 (\$96.00) RSC Members price £42.00

## General and Synthetic Methods Vol. 9

Hardcover 734pp ISBN 0 85186 904 1 Price £120.00 (\$230.00) RSC Members price £65.00

Senior Reporter: G. Pattenden, University of Nottingham A review of the literature published during 1984.

#### **Brief Contents**

Saturated and Unsaturated Hydrocarbons; Aldehydes and Ketones; Carboxylic Acids and Derivatives; Alcohols, Halogeno-compounds, and Ethers; Amines, Nitriles and Other Nitrogen-containing Functional Groups; Organometallics in Synthesis; Saturated Carbocyclic Ring Synthesis; Saturated Heterocyclic Ring Synthesis; Highlights in Total Synthesis of Natural Products; Reviews on General and Synthetic Methods.

Specialist Periodical Report

# **Topics in Lipid Research**

#### From structural elucidation to biological function

Over the last decade many lipid chemists and biochemists have made a conscious effort to move from purely structural investigations to those which throw more light on the biological function of lipid molecules.

For many years lipids were considered to be molecules containing just C, H and O, related to fatty acids and hydrocarbons, with high oil-water partition co-efficients; more recently, however, it has been realized that the more complex structures such as glycolipids and lipoproteins, and indeed glycolipoproteins, are fascinating both as structural challenges and as functional elements of the cell.

The book includes both reviews and research papers dealing with recent developments in lipid research.

#### **Brief Contents:**

Platelet Activating Factor; Eicosanoids; Glycolipids; Probes and Anaesthetics; Membrane Structure and Function; Environmental Adaptation.

Edited by R. A. Klein and B. Schmitz Molteno Inst. University of Cambridge

Hardcover 348pp ISBN 0 85186 353 1 Price £37.50 (\$65.00) RSC Members price £24.50

## **Chemical Aspects of Food Enzymes**

Softcover 326pp ISBN 0 85186 686 7 Price £37.50 (\$72.00) RSC Members price £24.50 This publication reviews current applications of enzymes in food processes. It should stimulate interest and point the way forward in this area of vital importance. **Contents**:

Enzyme Structure and Specifity: Factors Affecting Enzyme Activity and Kinetics; Genetic Engineering: Basic Considerations; The Potential for Chemical modifications of Enzymes; Applications of Immobilized Enzymes and Cells in the Food Industry; Encapsulation of Enzymes and other Agents in Liposomes; Developments in the Microencapsulation of Enzymes in Food Technology; Protein Engineering of Food Enzymes; Extending Enzyme Applications in the Food Industry; Enzymatic Modification of Lipids; Enzymatic Modification of Food Carbohydrates; Genetic Engineering of Lactic Acid Bacteria; The Molecular Biology of Plant Thiol Proteinases; Production of Heterologous Products in *Escherichia coli* and Yeast; Enzymic Modification of Dairy and Other Food Proteins; Biosensors: Principles and Potential; The SERC Biotechnology Directorate's Programme in Protein Engineering; Food Enzymes: Industrial Potential and Scientific Challenges; Subject Index.

Edited by A. T. Andrews AFRC Institute of Food Research, Reading

### **ORDERING:**

RSC Members should send their orders to: The Royal Society of Chemistry, Membership Manager, 30 Russell Square, London WC1B 5DT, UK. Non-RSC Members should send their orders to: The Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, UK.



