

Journal of Chemical Research, Issue 6, 1985

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 6, is reproduced below.

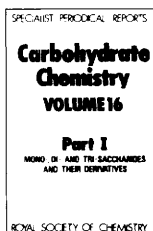
- 169 Addition Reactions of Heterocyclic Compounds. Part 81. Products from Dimethyl Acetylenedicarboxylate with Some
(M 1901) Cycloalkyl[*b*]pyridines **Patrick J. Abbott, R. Morrin Acheson, and Michael C. K. Choi**
- 170 Synthesis of 14 β -Mercaptopcodeinone Derivatives from *N*-*t*-Butoxycarbonyl-*N*-northebaine **Gordon W. Kirby and Duncan
(M 2073) C. McDougall**
- 172 The Chemistry of Terpenes. Part 26. A Re-examination of the Neutral Products of the Oxidation of (-)-Fenchone and of
(M 2101) (+)-2-*endo*-Fenchyl Acetate, and of the Bromination of (+)-Fenchone **Wesley Cocker, Robert L. Gordon, and
Patrick V. R. Shannon**
- 174 A New Antifungal 9,10-Dihydrophenanthrene from the Liverwort *Riccardia jakii* **Akihiko Matsuo, Hiroshi Nozaki,
(M 1916) Michihiko Suzuki, and Mitsuru Nakayama**
- 176 Tannins and Related Compounds. Part 28. Revision of the Structures of Sanguins H-6, H-2, and H-3, and Isolation and
(M 2001) Characterization of Sanguin H-11, a Novel Tetrameric Hydrolysable Tannin, and Seven Related Tannins, from
Sanguisorba officinalis **Takashi Tanaka, Gen-ichiro Nonaka, and Itsuo Nishioka**
- 178 Tritium Labelling of Aromatic Acids and Amides
(M 1976) **William J. S. Lockley**
- 180 Interaction of Membrane-active Biguanides with Negatively Charged Species. A Model for their Interaction with Target
(M 2030) Sites in Microbial Membranes **Tomiki Ikeda, Shigeo Tazuke, and Clement H. Bamford**
- 182 Thermal Reactions of Some Polyhalogenocyclopropanes
(M 2061) **Mark S. Baird and Helmi H. Hussain**
- 184 Photoreactions of β -Ketosulphides: Aryl and Benzyl Phenacyl Sulphides and Related Compounds **Kanwar J. S. Arora,
(M 2148) John R. Coller, Dinker J. Deodhar, Masoud-M. Hesabi, and John Hill**
- 186 Oxidations of Organic Sulphides with [Bis(trifluoroacetoxy)iodo]benzene **Dimitris Barbas, Spyros Spyroudis, and
(M 2201) Anastasios Varvoglis**
- 188 The Reaction of 1-Substituted Thioureas with β -Halogenoacyl Halides in a Two-phase System **Tadashi Okawara,
(M 2215) Kentaro Nakayama, Tetsuo Yamasaki, and Mitsuru Furukawa**
- 190 Heterocyclic Rearrangements. Rearrangement of the Oximes of Some 3-Acyl-1,2,4-oxadiazoles into 1,2,5-Oxadiazoles:
(M 2184) a Revision **Nicolò Vivona, Silvestre Buscemi, Vincenzo Frenna, Michele Ruccia, and Michele Condò**
- 191 A Direct Method for the Preparation of Cholest-4-en-6-one
(-) **Mohammad S. Ahmad, Najm Z. Khan, and Zafar Alam**
- 192 A Partial Determination of the Stability Fields of Ferrierite and Zeolites ZSM-5, ZSM-48, and Nu-10 in the $K_2O-Al_2O_3-$
(-) $SiO_2-NH_2[CH_2]_6NH_2$ System **Abraham Araya and Barrie M. Lowe**
- 194 Roles of Metal Ions in Flavin-mediated Reactions: Oxidation of Phenylhydrazine in Ethanol **Yumihiko Yano, Terukiyo
(-) Sakaguchi, and Satoshi Asai**
- 196 Biosynthesis of Quinolizidine Alkaloids. Incorporation of [1-*amino*-¹⁵N,1-¹³C]Cadaverine into Lupanine,
(-) 13-Hydroxylupanine, and Angustifoline **Jatinder Rana and David J. Robins**
- 198 Intramolecular Cyclizations of Primary Alkyl Esters of 3-Bromopropylmalonic Acid: an Unexpected Correlation between
(-) Activation Parameters and Alkyl Chain Lengths **M. John Perkins, Sylvia Adae-Amoakoh, John C. Mitchell, and
Brian V. Smith**
- 200 Reactions of Nonacarbonyl- μ_3 -methylarsinediyl-*triangulo*-dicobaltiron
(-) **Wolff-Richard Dietrich and Heinrich Vahrenkamp**
- 202 Polycyclic Hydroxyquinones. Part 16. Oxidation of 2-Substituted 2-Hydroxy-5,8-dimethoxy-1,2,3,4-tetrahydronaph-
(-) thalenes with Cerium(IV) Ammonium Nitrate **Francisco Farfán and Tomas Torres**
- 204 Aromatic Nucleophilic Substitution under Solid-Liquid Phase-transfer Catalytic Conditions: Synthesis of Alkyl Aryl
(-) Thioethers **Paramjit Singh, Manohar Singh Batra, and Harjit Singh**
- 206 The Level of Prochirality: the Analogy between Substitutional and Distortional Desymmetrization
(-) **E. Amital Halevi**
- 208 Tautomerism of 6-Nitro Derivatives of *ortho* Mannich Bases
(-) **Anna Sucharda-Sobczyk and Lucjan Sobczyk**

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*.

New Books from The Royal Society of Chemistry

Carbohydrate Chemistry Vol. 16

Part I Mono-, Di-, and Tri-Saccharides and their Derivatives



Senior Reporter:
N. R. Williams

Hardcover 296pp
ISBN 0 85186 162 8

Price £40.00 (\$72.00)
RSC Members £24.00

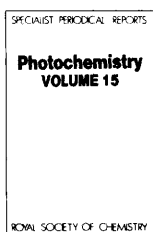
This volume reviews the literature published during 1982.

Brief Contents:

Free Sugars; Glycosides and Oligosaccharides; Ethers and Anhydro-sugars; Acetals; Esters; Halogeno-sugars; Amino-sugars; Miscellaneous Nitrogen Derivatives; Thio- and Seleno-sugars; Deoxy-sugars; Unsaturated Derivatives; Branched-chain Sugars; Dicarboxyl Compounds and Their Derivatives; Sugar Acids and Lactones; Inorganic Derivatives; Alditols and Cyclitols; Antibiotics; Nucleosides; N.M.R. Spectroscopy and Conformational Features; Other Physical Methods; Separatory and Analytical Methods; Synthesis of Enantiomerically Pure Non-carbohydrate.

Specialist Periodical Report

Photochemistry Vol. 15



Senior Reporter:
D. Bryce-Smith

Hardcover 576pp
ISBN 0 85186 135 0

Price £110.00 (\$197.00)
RSC Members £57.00

This volume reviews the literature published between July 1982 and June 1983.

Brief Contents:

Physical Aspects of Photochemistry; Photophysical Processes in Condensed Phases; Gas-phase Photoprocesses. Photochemistry of Inorganic and Organometallic Compounds: The Photochemistry of Transition-metal Complexes and Organometallic Compounds; The Photochemistry of Compounds of the Main Group Elements. 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; Photoreactions of Compounds containing Heteroatoms other than Oxygen; Photoelimination. Polymer Photochemistry. Photochemical Aspects of Solar Energy Conversion.

Specialist Periodical Report

Recent Developments in the History of Chemistry

Edited by C. A. Russell

Hardcover 344pp
ISBN 0 85186 917 3

Price £27.50 (\$36.00)
RSC Members £12.00

This book is intended primarily to inform chemists of recent progress in the history of chemistry. It originated from an initiative of the Historical Group of the Royal Society of Chemistry who for some considerable time had been aware of a rising surge of interest amongst chemists in the history of their subject. Those with whom the Group was in touch included chemistry teachers wishing to introduce – perhaps only occasionally – historical elements into their school curricula. Others who expressed interest were members of university and polytechnic chemistry departments, chemists in industrial research and those who had taken early or normal retirement. These are the readers for whom this book has been published, although it is hoped that professional historians of science may also find it to be of interest and value in its general surveys of the literature.

Brief Contents:

Chemical Biographies; Chemical Education and Chemical Institutions; Chemistry to 1800; General and Inorganic Chemistry; Organic Chemistry; Physical Chemistry; Analytical Chemistry; Biochemistry; Instruments and Apparatus; Industrial Chemistry; Chemistry by Location in Western and Central Europe; Appendix I Periodicals for The History of Chemistry; Appendix II Some Useful Addresses; Author, Subject and Themes Indexes.

ORDERING

Non-RSC Members should send their orders to:

The Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, England

RSC Members should send their orders to:

The Royal Society of Chemistry, Membership Officer, 30 Russell Square, London WC1B 5DT



The Royal Society of Chemistry
Burlington House
Piccadilly
London W1V 0BN