

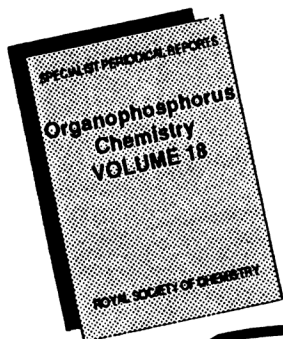
## Journal of Chemical Research, Issue 6, 1988

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 6, is reproduced below.

- 175 The Mechanism of Synthesis of Dialkyl 2-(2-Hydroxyphenyl)-4,6-dimethyl-1,2-dihydropyridine-3,5-dicarboxylates from 2-Hydroxybenzaldehydes, Alkyl 3-Oxobutanoates, and Ammonia **Conor N. O'Callaghan** and **T. Brian H. McMurry**  
(M 1549)
- 176 Stereocontrolled Access to (*R*)- and (*S*)-Sulphoxides of Penam Derivatives and Conformational Analysis by <sup>1</sup>H and <sup>13</sup>C N.m.r. Spectroscopy of (Pivaloyloxy)methyl 6,6-Dihalogeno- and 6-Halogeno-penicillanates and their Sulphoxides and Sulphones **Diego U. Belinzoni**, **Eduardo L. Setti**, and **Oreste A. Mascaretti**  
(M 1501)
- 178 Stereoselective Reduction of (Pivaloyloxy)methyl Mixed 6,6-Dihalogenopenicillanates and their (*1R*)-Sulphoxides and Sulphones by Tributyltin Hydride **Diego U. Belinzoni**, **Ernesto G. Mata**, and **Oreste A. Mascaretti**  
(M 1537)
- 179 Structure of Bonducellin, a Naturally Occurring 3-Benzylidene-2,3-dihydro-1-benzopyran-4-one **Sunita Malhotra**, **Varun K. Sharma**, and **Virinder S. Parmar**  
(M 1570)
- 180 Electron Spin Resonance Study of Copper(II) Complexes of  $\alpha$ -Amino Acids. Metal-Ligand Bonds and Molecular Structure in Host Crystals of the Corresponding Polycrystalline Zinc(II) Complexes **Terézia Szabó-Plánka**, **Antal Rockenbauer**, and **Miklós Győr**  
(M 1422)
- 182 Studies on the Formation of Dihydro-1,4-oxathiines by Halogenation of 1,3-Oxathiolanes **Vesa Nevalainen** and **Esko Pohjala**  
(M 1401)
- 184 Structures of Molecular and Ionic Forms of Succinylfluorescein in Solution and in the Solid State **Francisco Amat-Guerri**, **María E. Martín**, (the late) **Roberto Martínez-Utrilla**, and **Conrad Pascual**  
(M 1447)
- 186 The Interaction of Arensulphonyl Chlorides, Aluminium Chloride, and Saturated Alicyclic Hydrocarbons containing at least One Tertiary Hydrogen Atom **Rotimi O. Ewedemi**, **Roy Fields**, and **Geoffrey Holt**  
(M 1466)
- 188 3-Azido-1,2,4-thiadiazoles from a New Ring Interconversion: the Reaction of Thionyl Chloride with Some 1-Alkyl-5-amino-tetrazoles **Richard N. Butler**, **Gerard A. O'Halloran**, and (in part) **Denis A. O'Donoghue**  
(—)
- 190 The Spontaneous Ethanolysis of *p*-Nitrophenyl Isocyanate in Iso-octane Solutions **Derek P. N. Satchell** and **Rosemary S. Satchell**  
(—)
- 192 Photochemistry of Trialkylammonio-*N*-benzoylimides: Rearrangement and Amide Formation **Sally Freeman** and **Martin J. P. Harger**  
(—)
- 194 Reactions of Carbenes with Heterocycles. Part 2. Reactions of 1,2,3,4-Tetrahydrocarbazole with Di- and Mono-chlorocarbenes under Phase-transfer Catalytic Conditions **Paramjit Singh**, **Swapandeep Singh Chimni**, and **Harjit Singh**  
(—)
- 196 Shilajit. Part 2. Biphenyl Metabolites from *Trifolium repens* **Shibnath Ghosal**, **Sushil K. Singh**, and **Radhey S. Srivastava**  
(—)
- 198 Linear Free Energy *ortho*-Correlations in the Thiophene Series. Part 13. A Kinetic Study of Chlorine-isotopic Exchange between Lithium Chloride and Some 2-Chloro-5-nitro-3-*X*-thiophenes **Giovanni Consiglio**, **Domenico Spinelli**, **Peter H. Gore**, **Apollos O. O. Ikejiani**, **Donald F. C. Morris**, and **Renato Noto**  
(—)
- 200 Facile Conversion of  $\alpha,\beta$ -Epoxy Ketones to 2-Chloro-3-hydroxy Ketones by Trimethylchlorosilane-Dimethyl Sulphoxide **Franco Ghelfi**, **Romano Grandi**, and **Ugo M. Pagnoni**  
(—)
- 202 Selective Reduction of Conjugated Aldehydes and Ketones with Sodium Borohydride in Micelles **Branko Juršić** and **Dionis E. Sunko**  
(—)
- 204 A Raman Spectroscopic Study of the Orientation of  $\omega$ -Phenylpolyoxa-alkanoles in Micellar Solutions of Sodium Dodecyl Sulphate **Branko Juršić**, **Hrvoj Vančik**, and **Krešimir Furić**  
(—)

*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*.

# BOOKS FOR ORGANIC CHEMISTS



**NEW**

Senior Reporter: B.J. Walker,  
University of Belfast

*Specialist Periodical Report*  
(1987)

**Hardcover 464pp**  
**ISBN 0 85186 166 0**  
**Price £98.00 (\$194.00)**

## Organophosphorus Chemistry Vol. 18

"The editor and contributors of this volume have succeeded in maintaining the high standards of previous volumes." – *Synthesis and Reactivity in Inorganic and Metal-organic Chemistry, reviewing Vol. 12.*

This book reviews the literature published between July 1985 and June 1986.

### Brief Contents:

Phosphines and Phosphonium Salts; Pentaco-ordinated and Hexaco-ordinated compounds Phosphine Oxides and Related Compounds, Tervalent Phosphorus Acids; Quinquevalent Phosphorus Acids; Nucleotides and Nucleic Acids; Ylides and Related Compounds; Phosphazenes; Physical Methods.

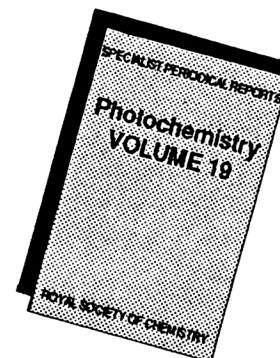
## Photochemistry Vol. 19

"... these volumes remain one of the best ways of keeping abreast of developments in most areas of photochemistry." *Inter-American Photochemical Society Newsletter, reviewing Vol. 16.*

*Photochemistry Volume 19* provides a review of the literature published between July 1986 and June 1987.

### Brief Contents:

*Part I Physical Aspects of Photochemistry* – Photophysical Processes in Condensed Phases  
*Part II Photochemistry of Inorganic and Organometallic Compounds* – The Photochemistry of Transition-Metal Complexes; The Photochemistry of Transition-Metal Organometallic Compounds; The Photochemistry of Compounds of the Main Group Elements  
*Part III Organic Aspects of Photochemistry* – Photolysis of Carbonyl Compounds; Enone Cycloadditions and Rearrangements; Photoreactions of Dienones and Quinones; Photochemistry of Alkenes, Alkynes, and Related Compounds; Photo-reduction and -oxidation; Photoreactions of Compounds containing Heteroatoms other than Oxygen; Photoelimination  
*Part IV Polymer Photochemistry*  
*Part V Photochemical Aspects of Solar Energy*



**NEW**

Senior Reporters: D. Bryce-Smith  
and A. Gilbert, *University of Reading*

*Specialist Periodical Report*  
**Hardcover 598pp**  
**ISBN 0 85186 175 X**  
**Price £110.00 (\$239.00)**

**To order or for further information, please write to: Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, UK. or telephone (0462) 672555 quoting your credit card details. We now accept Access/Visa/MasterCard/EuroCard.**

**RSC Members are entitled to a discount on most RSC publications and should write to: The Membership Manager, Royal Society of Chemistry, 30 Russell Square, London WC1B 5DT, UK.**

