

Journal of The Chemical Society

Chemical Communications

ISSUED TWICE MONTHLY

JCCCAT (19) 973-1020 (1981)

CONTENTS

- Page
- 973 Organic Photochemistry in the Far-ultraviolet: Unusual Wavelength Dependence in Solution-phase Irradiations
Ra Srinivasan, Thomas Baum, Karen Brown, Jose Ors, Lloyd S. White, Angelo R. Rossi, and Gary A. Epling
- 974 The Absolute Configurations of *Anti*-Benzene and *Anti*-Naphthalene 1,2:3,4-Dioxides
Masato Koreeda and Minoru Yoshihara
- 976 A Synthetic Phosphinate-Phosphonate Liponucleotide Analogue **Arthur F. Rosenthal and Luis A. Vargas**
- 978 Hydroisomerization of 1,3-Dioxacycloalkanes to Esters on Platinum. The Role of Hydrogen in the Isomerization.
Mihály Bartók and József Czombos
- 979 Structural Change in $(C_6H_5NH)SbBr_4$ with Temperature **Tsutomu Okuda, Koji Yamada, Hideta Ishihara, Morio Hiura, Shinei Gima, and H. Negita**
- 981 A Monocyclic Phosphorane Oxide Anion and the Extraordinary Reactivity of its Tautomeric Phosphine Oxide Alkoxide
Itshak Granoth, Rivka Alkabetz, and Ezra Shirin
- 982 Redox Chemistry of Ruthenium Porphyrins: Evidence for Internal Electron Transfer and the Characterization of $[Ru^{III}(OEP^{+})]$ Species
Mark Barley, James Y. Becker, George Domazetis, David Dolphin, and Brian R. James
- 983 A General Route to Optically Pure Prostaglandins from a D-Glucose Derivative
Robert J. Ferrier and Petpiboon Prasit
- 985 Preparation and Crystal Structure of μ -Carbonyl-OC-bis(pentamethylcyclopentadienyl)(tetrahydrofuran)ytterbium(III)tricarbonylcobalt(I); a Yb-OC-Co Linkage
T. Don Tilley and Richard A. Andersen
- 986 Reaction of Molybdenum and Tungsten Alkylidyne Complexes with 2,6-Xylyl Isocyanide and Carbon Monoxide; Structural and Mechanistic Evidence for Novel Insertion Reactions
Daljit S. Gill, Paul K. Baker, Michael Green, Kathleen E. Paddick, Martin Murray, and Alan J. Welch
- 989 New Palladium Cluster Compounds. X-Ray Crystal Structure of $Pd_{10}(CO)_{12}(PBu_3)_6$
Eugenii G. Mednikov, Nikolai K. Eremenko, Vladimir A. Mikhailov, Sergei P. Gubin, Yuri L. Slovokhotov, and Yuri T. Struchkov
- 990 Symmetry and Selectivity in the Formation of Inclusion Complexes by Macrotricyclic Hosts
Nigel F. Jones, Ashwani Kumar, and Ian O. Sutherland
- 992 Chiral Diaza-18-crown-6 Derivatives
Derek J. Chadwick, Ian A. Cliffe, Ian O. Sutherland, and Roger F. Newton
- 994 Efficient Syntheses of 'Ellipticine Quinone' and the Other Three Isomeric 5*H*-Pyrido[*x,y*-*b*]carbazole-5,11(6*H*)-diones
William R. Ashcroft, Michael G. Beal, and John A. Joule
- 995 Synthesis and Crystal Structure of a New Mixed-metal Cluster, $(\eta-C_5H_5)_3Ni_3Os_3(CO)_9$. An Example of a High Yield Pyrolytic Synthesis
Enrico Sappa, Maurizio Lanfranchi, Antonio Tiripicchio, and Marisa Tiripicchio Camellini
- 996 $^7Li^+$ N.M.R. Studies of an Li^+ -Ethyl Acetoacetate Enolate Triple Ion- Li^+ Cryptate Complex
Christian Cambillau and Michèle Ourevitch

Contents—continued overleaf

For Notices to Authors, see issue 1, pp. 1 to 4

Contents—continued

Page	
998	α -Chlorination with Carbon Tetrachloride and α - ¹ H/ ² H Exchange with [² H]Chloroform of Amidines Stefan Löfås and Per Ahlberg
999	Natural Abundance ¹³ C– ¹³ C Coupling Constants for Carbon Connectivity Pattern Determination and N.M.R. Spectral Analysis: Patchoulol Andras Neszmelyi and Gabor Lukacs
1001	Synthesis of a <i>trans</i> -Decalin as a Potential Insect Antifeedant Steven V. Ley, Nigel S. Simpkins, and Alan J. Whittle
1003	The Chemistry of a 1,3,4-Thiadiazin-6-one Ahmet E. Baydar, Gerhard V. Boyd, and Peter F. Lindley
1004	Tautomerism of 1-Hydroxy-2-pyridone in the Excited Triplet State Tadamitsu Sakurai and Hiroyasu Inoue
1005	Optical Stability of Carbanions Derived from Sulphoximides and Sulphilimines Rita Annunziata, Mauro Cinquini, Stefano Colonna, and Franco Cozzi
1006	Structure of Thiobiscephalosporolide-A, a Macrolide from <i>Cephalosporium aphidicola</i> Richard P. Mabelis, Arnold H. Ratcliffe, Mark J. Ackland, James R. Hanson, and Peter B. Hitchcock
1007	Daphnine, a Unique Bisbenzylisoquinoline Alkaloid: X-Ray Crystal Structure of its Dihydroiodide Jean Guilhem and I. Ralph C. Bick
1009	Reversible Os–Os Bond Breaking in the High Nuclearity Carbido-dianion [Os ₁₀ C(CO) ₂₄] ²⁻ on Reaction with Halogens; X-Ray Structure Analysis of [(Ph ₃ P) ₂ N][Os ₁₀ C(CO) ₂₄ I] and Os ₁₀ C(CO) ₂₄ I ₂ David H. Farrar, Peter G. Jackson, Brian F. G. Johnson, Jack Lewis, William J. H. Nelson, Maria D. Vargas, and Mary McPartlin
1011	New Method for Radioiodinating Organic Compounds <i>via</i> Organoborane Reactions George W. Kabalka and E. Eugene Gooch
1012	Solid-phase Peptide Synthesis without Acidolysis: the Synthesis of Thymosin α_1 on a New Benzhydrylamine Resin Roberto Colombo
1013	Synthesis and X-Ray Structure of Bistetraphenylphosphonium Tris(phenylsulphonylimino)sulphite Herbert W. Roesky, W. Schmieder, and William S. Sheldrick
1014	New Uses for Old Complexes. Hydroborations involving Nitrogen and Phosphorus Complexes of Borane Andrew Pelter, Richard Rosser, and Stuart Mills
1015	Barrier to Rotation about the N–N Bond in 1,1'-Bipiperidine Keiichiro Ogawa, Yoshito Takeuchi, Hiroshi Suzuki, and Yujiro Nomura
1016	Anomalous Rate of Bromination of a Ketone: First-order Dependence on Bromine Concentration A. George Pinkus and Raghavachary Gopalan
1018	Role of Excess of MoO ₃ in Fe ₂ O ₃ –MoO ₃ Methanol Oxidation Catalysts Studied by X-Ray Photoelectron Spectroscopy Yasuaki Okamoto, Fumito Morikawa, Kenji Oh-Hiraki, Toshinobu Imanaka, and Shiichiro Teranishi
1019	Trapping of an Inner-sphere Charge-transfer Triplet State in a Single Crystal of a Uranyl Complex Giovanni Giacometti, Giancarlo Agostini, Giorgio Gennari, and Carlo Corvaja