

Journal of The Chemical Society

Chemical Communications

ISSUED TWICE MONTHLY

JCCCAT (6) 257-304 (1981)

CONTENTS

- Page
- 257 Catalytic Activity of Supported f-Element Organometallic Complexes **Robert G. Bowman, Ryuichi Nakamura, Paul J. Fagan, Robert L. Burwell, Jr., and Tobin J. Marks**
- 258 Structuring of Denatured Ribonuclease-A **Oliver W. Howarth and L. Yun Lian**
- 260 Planar Tetraco-ordinate Carbon Candidates: MNDO Calculations on Substituted Phenyl-lithium Dimers **Jayaraman Chandrasekhar and Paul von Ragué Schleyer**
- 261 Preparation of Nitroalkenes from the Corresponding Nitroalkanes **Tohru Sakakibara, Izumi Takai, Eiichi Ohara, and Rokuro Sudoh**
- 263 Anodic Oxidation of Vinyl Sulphides. A Convenient Synthesis of α -Thiolated Aldehydes **Akiteru Matsumoto, Kohji Suda, and Chino Yijima**
- 263 Synthesis and Fluxional Character of Derivatives of the Type $[\text{HfC}_3(\text{CO})_{10}(\mu_2\text{-CNR}_2)]$ and $[\text{HfC}_3(\text{CO})_9(\mu_3\text{-CH=NR})]$ **James A. S. Howell and Pradeep Mathur**
- 265 Electron-induced Nucleophilic Substitution Reactions in Organometallic Systems **Gerald J. Bezems, Philip H. Rieger, and Steven Visco**
- 266 Preparation and Characterization of Novel Tris- α -di-imino-complexes of Ruthenium(0) and Ruthenium(II). X-Ray Crystal and Molecular Structure of the Electron-rich Complex Tris-[1,2-bis-(*p*-methoxyphenyl-iminoethane)]ruthenium(0)-Toluene **Bruno Chaudret, Hajo Köster, and René Poilblanc**
- 268 Carbon Dioxide Activation; Formation of *trans*-(Ph_3P)₂Rh(CO)(OCO₂H) in the Reaction of CO₂ with HRh(CO)(PPh₃)₃-CO and the Determination of its Structure by X-Ray Crystallography **S. Fazley Hossain, Kenneth M. Nicholas, Carol L. Teas, and Raymond E. Davis**
- 270 Hexadecamethoxy- and Hexadecaethoxy-tetratungsten: Preparation and X-Ray Crystal and Molecular Structure of W₄(OEt)₁₆ **Malcolm M. Chisholm, John C. Huffman, and Joe Leonelli**
- 271 Cyclopentadienyl-ruthenium and -osmium chemistry. Cleavage of Tetracyanoethylene under Mild Conditions: X-Ray Crystal Structures of $[\text{Ru}\{\eta^3\text{-C}(\text{CN})_2\text{CPhC}=\text{C}(\text{CN})_2\}(\text{PPh}_3)(\eta\text{-C}_5\text{H}_5)]$ and $[\text{Ru}\{\text{C}=\text{C}(\text{CN})_2\}\text{CPh}=\text{C}(\text{CN})_2\}(\text{CNBu}^+)(\text{PPh}_3)(\eta\text{-C}_5\text{H}_5)]$ **Michael I. Bruce, John R. Rodgers, Michael R. Snow, and A. Geoffrey Swincer**
- 273 Products of the Reaction of Carbon Monoxide with $[\text{Os}_8(\text{CO})_{18}]$; X-Ray Crystal Structure of $[\text{Os}_8(\text{CO})_{19}]$ **David H. Farrar, Brian F. G. Johnson, Jack Lewis, J. Nicola Nicholls, Paul R. Raithby and Maria J. Rosales**
- 274 A Unique 'Side-on' Bridging Mode for the Formyl (CHO) Ligand in a Binuclear Tantalum Complex; X-Ray Structural Study of $[(\eta^5\text{-C}_6\text{Me}_4\text{Et})\text{TaCl}_2]_2(\mu\text{-H})(\mu\text{-CHO})$ **Melvyn Rowen Churchill and Harvey J. Wasserman**
- 276 A Reassessment of Zeolite A: Evidence that the Structure is Rhombohedral with Unexpected Ordering in the Aluminosilicate Framework **John M. Thomas, Leslie A. Bursill, Elizabeth A. Lodge, Anthony K. Cheetham, and Colin A. Fyfe**
- 277 Organotellurium Chemistry. The Telluroxide Elimination Reaction **Hosull Lee and Michael P. Cava**
- 278 1,3-Dipolar Cycloaddition of a Thiazolo[5,4-*d*]pyrimidine 1-Oxide to Dimethyl Acetylenedicarboxylate. New Ring Transformation to a Pyrrolo[3,2-*d*]pyrimidine *via* a Pyrimido[4,5-*b*][1,4]thiazine **Keitaro Senga, Misuzu Ichiba, Hashime Kanazawa, and Sadao Nishigaki**

Contents—continued overleaf

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

Contents—continued

Page	
280	² H N.M.R. Determination of the Stereochemistry of an Allylic Displacement in the Biosynthesis of Virescenol B David E. Cane, Heinz Hasler, Joan Materna, Nera Cagnoli-Bellavita, Paolo Ceccherelli, Gian Federico Madruzzo, and Judith Polonsky
282	Novel Synthesis of 3-Alkyl-2-phenoxychromones involving an Intramolecular Wittig Reaction of Carbonates Hidekazu Takeno and Masashi Hashimoto
283	Protioacetylation of Porphyrins and Pyrroles: A New Partial Synthesis of Dehydrocoproporphyrin (S411-Porphyrin) Kevin M. Smith and Kevin C. Langry
285	Mimics of Intermediates in Gibberellin Biosynthesis as Plant Growth Regulators James R. Hanson, Keith P. Parry, and Christine L. Willis
286	Total Synthesis of the Macrocyclic Spermidine Alkaloids (±)-Lunarine and (±)-Lunaridine Yoshimitsu Nagao, Sachiko Takao, Tadayo Miyasaka, and Eiichi Fujita
287	Spectro-electrochemical Studies on Tris-bipyridyl Ruthenium Complexes; Ultra-violet, Visible, and Near-infrared Spectra of the Series [Ru(bipyridyl) ₃] ^{2+/1+/0/1-} Graham A. Heath, Lesley J. Yellowlees, and Paul S. Braterman
289	Structure and Biosynthesis of the Penitrems A-F, Six Novel Tremorgenic Mycotoxins from <i>Penicillium crustosum</i> Amelia E. De Jesus, Pieter S. Steyn, Fanie R. Van Heerden, Robert Vleggaar, Philippus L. Wessels, and William E. Hull
292	Heteroleptic t-Butyl Lanthanoid Complexes: Synthesis and X-Ray Crystal Structure of Monomeric Bis(cyclopentadienyl)(t-butyl)lutetium Tetrahydrofuranate William J. Evans, Andrea L. Wayda, William E. Hunter, and Jerry L. Atwood
293	Interaction of Mono-oxygen Donors with Porphinatoiron(III)-complexes Bearing Electron-releasing meso-Substituents Avram Gold, William Ivey, and Michael Bowen
295	2-Hydroxyethanesulphonyl Chloride: a Sulphonyl Chloride with a Primary Hydroxy-group James F. King and John H. Hillhouse
296	Circular Dichroism Spectra of Some Trigonal-bipyramidal Complexes Izumi Endo, Soichiro Horikoshi, and Shunji Utsuno
297	Rearrangement of Carboxylates derived from <i>N</i> -Acetyl- <i>N</i> -nitroso- α -amino-acids Yuan L. Chow and Joël Polo
299	Nitrogen Tracer Evidence for a Cyclic Azide Species Kieran G. Phelan and Geoffrey Stedman
300	¹³ C N.M.R. Spectra of Highly ¹³ CO-enriched Metal Carbonyls: Observation of ² J _{CC} <i>cis</i> Coupling Constants Silvio Aime and Domenico Osella
302	Characterization of 2,2'-Bi-(1,4,8,11-tetra-azacyclotetradecane): X-Ray Structure and Properties of the Dinuclear Complex [Ni ₂ (CO ₂₀ H ₄₆ N ₈)(ClO ₄) ₄] E. Kent Barefield, Duncan Chueng, Donald G. Van Derveer, and Frank Wagner