

JOURNAL OF THE CHEMICAL SOCIETY

Chemical CommunicationsNumber 2
1983**CONTENTS**

- 61 Intramolecular Nucleophilic Attack of the Tertiary Amine Group on the Carbonyl Group in 3,3-Dimethyl-4-dimethylaminobutanal **Robert McCrindle, Alan J. McAlees**
- 62 Functionalized Five-membered Rings from Acyclic Unsaturated β -Ketoester Systems **Eugene E. van Tamelen, Jih Ru Hwu, Thomas M. Leiden**
- 63 Stabilization of Iodine-doped Polyacetylene in Aqueous Solutions **Anthony Guiseppi-Elie, Gary E. Wnek**
- 65 A Photoelectrode based on Visible Photolysis of a Metallocopolymer Film **T. David Westmoreland, Jeffrey M. Calvert, Royce W. Murray, Thomas J. Meyer**
- 66 Unusual Regiochemical Control of the Reactivity of Some Organometallics with Chalcone **Willy Dumont, Jean Lucchetti, Alain Krief**
- 68 C-Glycopyranosides from the Reaction of Acetylated Glycals with β -Diketones **Sadamu Yougai, Toshio Miwa**
- 69 Synthesis and Characterisation of Stable Anionic Group 3a Dichlorometallocene(II) Complexes and the X-Ray Structure of $[\text{AsPh}_3][\text{Nd}\{\eta\text{-C}_5\text{H}_3(\text{SiMe}_3)_2\}_2\text{Cl}]$ **Michael F. Lappert, Anirudh Singh, Jerry L. Atwood, William E. Hunter, H.-M. Zhang**
- 70 Ruthenium-based Catalyst for the Gas-phase Synthesis of Alcohols from CO and H₂ **Masashi Inoue, Takanori Miyake, Tomoyuki Inui, Yoshinobu Takegami**
- 72 Fast Atom Bombardment Mass Spectrometry of Underivatized Phosphatidylcholines, Lysophosphatidylcholines, and Diglycerides **Hubert E. May, Dominic M. Desiderio**
- 73 The Preparation of Benzo-1,3-dithia-2,4-diazine, a Novel Electron-rich Heterocycle **Hans Koenig, Richard T. Oakley**
- 74 Pyridine Ring-opening in 2,7-Diazabiphenylene by Thiophosgene **Roy Hull, J. A. Hugh MacBride, Mike Wardleworth, Peter M. Wright**
- 75 A New Group of Liquid Crystal Materials with Sulphur Atoms incorporated in the Principal Structure **Yuichiro Haramoto, Hiroyoshi Kamogawa**
- 76 A Novel Rearrangement of a Strained Pyrazoline **Martin R. Bryce, Richard D. Chambers, Graham Taylor**
- 77 A Remarkable Blue Shift of Retinal Protonated Schiff Base due to Electrostatic Interaction of Positive Charges **Mordechai Sheves, Timor Baasov, Noga Friedman**
- 79 Proton-catalysed Isomerization of Cumulenic Amines **Peter E. van Rijn, Willem Klop, Hermann D. Verkruisje, Paul von R. Schleyer, Lambert Brandsma**
- 80 E.S.R. Evidence for the Formation of New Vinyl Radicals in Solution **Toshihiko Ozawa, Takao Kwan**
- 82 Mechanism of Pyridoxal Phosphate-dependent Enzymatic Amino-acid Racemization **Shu-jane Shen, Heinz G. Floss, Hidehiko Kumagai, Hideaki Yamada, Nobuyoshi Esaki, Kenji Soda, Steven A. Wasserman, Christopher Walsh**
- 83 *closo-nido*-Cluster Isomerism in Metallacarboranes *via* a Change of Metal Valency State: Molecular Structure of μ -1,2-Acetato-2-hydrido-2,10-bis(triphenylphosphine)-*closo*-1,2-carbairidadecaborane **Janet E. Crook, Norman N. Greenwood, John D. Kennedy, Walter S. McDonald**
- 85 Synthesis of Spiropentacyclic Indolines by Cyclisation of 3,4-Dimethoxyphenylacetyltryptamine **Kshetra M. Biswas, Anthony H. Jackson**
- 86 Electrochemical Behaviour of Mixed Tetrametallic Clusters with Pd₂M₂ and Pt₂M₂ Cores (M = Cr, Mo, W) **Rodolphe Jund, Paul Lemoine, Maurice Gross, Robert Bender, Pierre Braunstein**
- 88 Radical Organometallic Phase-transfer Reactions **Vilmos Galamb, Howard Alper**
- 89 Selective Demethylation of Di- and Tri-methoxyanthraquinones *via* Aryloxydifluoroboron Chelates. Synthesis of 4-Hydroxy-1,5-dimethoxyanthraquinone and 1,4-Dihydroxy-5-methoxyanthraquinone **Peter N. Preston, Thomas Winwick, John O. Morley**
- 90 Synthesis and Structure of Mo₃O₉.4DMSO (DMSO = dimethyl sulphoxide): a Novel Chain Structure **E. M. McCarron III, R. L. Harlow I**
- 92 Structures of Paraensidimerins B, E, F, and G, Four New Dimeric Quinolinone Alkaloids from *Euxylophora paraensis* **Leonard Jurd, Mabry Benson**

- 93 Metal-Support Effects in the Catalytic Hydrogenation of CO over Ruthenium Y-Zeolites: Influence of Zeolite Basicity on Olefin Selectivity **Ian R. Leith**
- 94 Activity and Selectivity of a Niobia (Nb_2O_5)-supported Nickel Catalyst in CO Hydrogenation **Edmond I. Ko, John M. Hupp, Norman J. Wagner**
- 96 Corrigendum

AUTHOR INDEX

- Alper, Howard, 88
Atwood, Jerry L., 69
Baasov, Timor, 77
Bender, Robert, 86
Benson, Mabry, 92
Biswas, Kshetra M., 85
Brandsma, Lambert, 79
Braunstein, Pierre, 86
Bryce, Martin R., 76
Calvert, Jeffrey M., 65
Chambers, Richard D., 76
Crook, Janet E., 83
Desiderio, Dominic M., 72
Dumont, Willy, 66
Esaki, Nobuyoshi, 82
Floss, Heinz G., 82
Friedman, Noga, 77
Galamb, Vilmos, 88
Greenwood, Norman N., 83
Gross, Maurice, 86
Guiseppi-Elie, Anthony, 63
- Haramoto, Yuichiro, 75
Harlow, R. L., I, 90
Hull, Roy, 74
Hunter, William E., 69
Hupp, John M., 94
Hwu, Jih Ru, 62
Inoue, Masashi, 70
Inui, Tomoyuki, 70
Jackson, Anthony H., 85
Jund, Rodolphe, 86
Jurd, Leonard, 92
Kamogawa, Hiroyoshi, 75
Kennedy, John D., 83
Klop, Willem, 79
Ko, Edmond I., 94
Koenig, Hans, 73
Krief, Alain, 66
Kumagai, Hidehiko, 82
Kwan, Takao, 80
Lappert, Michael F., 69
Leiden, Thomas M., 62
- Leith, Ian R., 93
Lemoine, Paul, 86
Lucchetti, Jean, 66
McAlees, Alan J., 61
MacBride, J. A. Hugh, 74
McCarron E. M., III, 90
McCrindle, Robert, 61
McDonald, Walter S., 83
May, Hubert E., 72
Meyer, Thomas J., 65
Miwa, Toshio, 68
Miyake, Takanori, 70
Morley, John O., 89
Murray, Royce W., 65
Oakley, Richard T., 73
Ozawa, Toshihiko, 80
Parker, David G., 96
Pearce, Ronald, 96
Prest, David W., 96
Preston, Peter N., 89
Schleyer, Paul von R., 79
- Shen, Shu-jane, 82
Sheves, Mordechai, 77
Singh, Anirudh, 69
Soda, Kenji, 82
Takegami, Yoshinobu, 70
Taylor, Graham, 76
van Rijn, Peter E., 79
van Tamelen, Eugene E., 62
Verkruijsse, Hermann D., 79
Wagner, Norman J., 94
Walsh, Christopher, 82
Wardleworth, Mike, 74
Wasserman, Steven A., 82
Westmoreland, T. David, 65
Winwick, Thomas, 89
Wnek, Gary E., 63
Wright, Peter M., 74
Yamada, Hideaki, 82
Yougai, Sadamu, 68
Zhang, H.-M., 69

