

The SmithKline Beecham Research Symposium

**ORGANOMETALLIC REAGENTS
IN ORGANIC SYNTHESIS**

25TH-26TH MARCH 1993

ROBINSON COLLEGE, CAMBRIDGE, UK

The Symposium will be wide-ranging, subsuming all topics relating to the assembly of molecules which involve organometallic reagents and metallo intermediates. These will include:

The synthesis of natural products and biomolecules

Synthetic methodology

Enantioselectivity and stereocontrol

Aspects of molecular recognition

The Speakers include:

PROFESSOR J-E BACKVALL

University of Uppsala

PROFESSOR D A EVANS

Harvard University

PROFESSOR B GIESE

University of Basel

PROFESSOR P KOCIENSKI

University of Southampton

PROFESSOR J-M LEHN

University Louis Pasteur, Strasbourg

PROFESSOR P D MAGNUS, FRs

University of Texas at Austin

PROFESSOR I E MARKO

University of Louvain

DR W B MOTHERWELL

Imperial College

PROFESSOR W OPPOLZER

University of Geneva

PROFESSOR L E OVERMAN

University of California at Irvine

PROFESSOR G E PATTENDEN, FRs

University of Nottingham

POSTER SESSION

Posters are invited from participants and abstracts will be published in the Conference Proceedings. Closing date for the receipt of abstracts is 29th January 1993.

REGISTRATION:

The registration fee of £250.00 (£100.00 for registered under-graduate and graduate students) includes welcome buffet, conference dinner and all other meals, accommodation for two nights in Robinson College and a copy of the Symposium Proceedings.

REGISTRATION DETAILS ARE AVAILABLE FROM:

Miss S. Luker

SmithKline Beecham Pharmaceuticals,

The Frythe, Welwyn, Hertfordshire

AL6 9AR, UK

Telephone (0438) 782056

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ORGANISING COMMITTEE:

J H Bateson, B K Leigh, M B Mitchell

Journal of Chemical Research, Issue 1, 1993

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 1, is reproduced below.

- 1 Studies on Isocyanides and Related Compounds. A Novel Synthetic Route to Oxazole Derivatives **Ricardo Bossio, Stefano Marcaccini and Roberto Pepino**
(—)
- 2 Diversity of Intramolecular Rearrangements of Uracil Derivatives to Pyrazolones and Hydantoins governed by a Prominent 5-Substituent Effect **Yukio Kitade, Kosaku Hirota and Yoshifumi Maki**
(M0101)
- 4 Controlled Synthesis of 5-Substituted 1-Methyl-1*H*-tetrazoles and 3,5-Disubstituted 1,4-Dimethyltriazolium Salts from *N*-Methylnitrilium Trifluoromethanesulfonate Salts **Muhanned I. K. Amer and Brian L. Booth**
(M0113)
- 6 Synthesis and Properties of Network Polymers of Monoazacrown Ether Substituted Phthalocyanines **Emel Musluoğlu, Z. Ziya Öztürk, Vefa Ahsen, Ahmet Gül and Özer Bekaroğlu**
(M0140)
- 8 Ammonium 1,1,3-Tricyano-2-methylprop-2-enide: A Novel Reagent in Heterocyclic Synthesis **Ayman Wahba Erian**
(M0155)
- 10 Efficient Catalytic Dehydrogenation of Alcohols by the 2,2'-Bipyridine-Copper(II)Chloride-Dioxygen System in Acetonitrile. A Mechanistic Study with Deuterium Isotope Effects **Patrice Capdevielle, Daniel Sparfel, Joële Baranne-Lafont, Nguyen Kim Cuong and Michel Maumy**
(M0170)
- 12 Oxidation by $S_2O_8^{2-}/Cu^{2+}$: α -Benzylic Acetamidation of Electron-withdrawing Groups **Léopold Kaboré, Eliane Laurent and Bernard Marquet**
(M0125)
- 14 Oxidation of *p*-Methoxyphenylacetone by $S_2O_8^{2-}/Cu^{2+}$: Formation of Oxazoles *via* an α -Acylcarbenium Ion **Léopold Kaboré, Eliane Laurent and Bernard Marquet**
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- 16 *S*-Benzyl Phosphorodichloridothioate, a Versatile Agent in the Formation of the Internucleotidic Phosphorothioate Linkage **Antonio Procopio, Giovanni Sindona and Nicola Uccella**
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- 18 Ethyl Hydrogen Diazomalonate, a Convenient Reagent for the Synthesis of Alkyl Ethyl Diazomalonates **Fusao Kido, Kazuo Yamaji, Toshiya Abiko and Michiharu Kato**
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- 20 The Efficiency of Hydrazine as a Nitrite Scavenger in Concentrated Nitric Acid **Kevin R. Howes and Geoffrey Stedman**
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- 22 A Simple Procedure for the Preparation of (*E*)-Styryl- and Inden-2-yl-phosphonates **Olga I. Pieroni, Nora M. Rodriguez, Bruno M. Vuano and Mercedes C. Cabaleiro**
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- 24 Synthesis of 7-Ethoxycarbonyl-7,8-dehydrorutecarpine **J. Augusto R. Rodrigues and Aloisia L. Moretto**
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- 26 Intramolecular Nucleophilic Attack by Phosphonates **Yaw-Kuen Li and Larry Byers**
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- 28 Studies of the Synthesis of Biomarkers. Part 13. Efficient Synthesis of (20*R*)- and (20*S*)-4,4,5 β ,14 β -Tetramethyl-18,19-dinor-8 α ,9 β ,10 α -cholest-13(17)-enes **Tongshuang Li, Yating Yang and Yulin Li**
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- 30 The Pyrolysis of Stable Steroidal Ozonides **Tongshuang Li, Yating Yang and Yulin Li**
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- 32 An *ab initio* Molecular Orbital Study of the Insertions of Difluorocarbene or Fluorocarbene into Ethene **Chi-Kin Wong, Chun-Yeung Cheung, Ngai-Ling Ma and Wai-Kee Li**
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- 34 A Convenient Synthesis of 2,5-Disubstituted 7,7,8,8-Tetracyano-*p*-quinodimethanes **Svetlana L. Vorob'eva and Natal'ya N. Korotkova**
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- 36 A New Solvent-free Procedure using Microwave Technology as an Alternative to the Krapcho Reaction **André Loupy, Philippe Pigeon, Mohamed Ramdani and Patrick Jacquault**
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- 38 Preparation of Cyanohalogeno Complexes of Gold(II) and their Reaction with Triphenylphosphine **Abdel-Razak A. Al-Ohaly**
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- 40 Pseudorotation in [1.1](1,1')Ferrocenophane, a Molecular Acrobat: a Study by Dynamic 1H Nuclear Magnetic Resonance Spectroscopy **Martin Löwendahl, Öjvind Davidsson and Per Ahlberg**
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- 44 Medium-sized Cyclophanes. Part 17. Formylation of [*n*.2]Metacyclophanes **Takehiko Yamato, Jun-ichi Matsumoto, Seiji Kabu, Yoshinori Takezaki and Masashi Tahsiro**
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- 46 A 'One-flask' Synthesis of 8,9,10,11-Tetrahydrobenz[*a*]- and 8,9,10,11-Tetrahydrobenz[*c*]-acridines **Manas K. Halder, Gandhi K. Kar and Jayanta K. Ray**
(—)

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*.