

The Royal Society of Chemistry
Younger Chemists Committee

Pre-Doctoral Chemistry Symposium

1994 Autumn Meeting, University of Glasgow

6th September 1994

CALL FOR PAPERS

The Younger Chemists Committee are organising a Pre-Doctoral Symposium as part of the RSC's Autumn Meeting, to be held at The University of Glasgow from 6-9th September 1994. There will be four parallel sessions for oral presentations, plus a poster session, reflecting the themes adopted by the following Divisional symposia at the Autumn Meeting:-

- | | |
|------------------------------|--|
| Analytical:- | Analytical Challenges in Toxicology and Pollution. |
| Dalton:- | Diversity in Co-ordination Chemistry |
| Faraday & Macro:- | Reactions and Mechanisms for Fine Chemicals in Heterogeneous Catalysis.
The Organic and Physical Chemistry of Macromolecules. |
| Perkin:- | Organic Chemistry: Synthesis and Mechanisms. |

Postgraduate and young industrial chemists, aged under 30, are invited to submit abstracts for consideration as oral or poster presentations. Participants whose contributions are accepted will not be expected to pay the registration fee of £20. Papers covering topics not included in the theme of the Autumn Meeting are equally welcome for consideration.

Anyone wishing to contribute a paper or poster, should submit a title and abstract (ca. 100 words) **as soon as possible** to:-

Dr John F Gibson
Secretary (Scientific)
The Royal Society of Chemistry
Burlington House
London W1V 0BN
Tel:- 071-437 8656



Journal of Chemical Research, Issue 6, 1994

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.

- 205 The Synthesis, Characterisation and Reactivity of Some Lead(IV) Carboxylates **Jonathan E. H. Buston, Andrew Coop, Richard Keady, Mark G. Moloney and Russell M. Thompson**
(M 1101)
- 206 Lipophilic Complexones. Part 6. Synthesis of Di- and Tri-armed Ligands containing Pyridine and Imidazole Moieties **Anil Gupta and Jacek Skarzewski**
(M 1117)
- 208 Kinetics and Mechanism of the Oxidation of Primary Aliphatic Alcohols by Bis(2,2'-bipyridyl)copper(II) Permanganate **Baljeet Kaur Satsangi, Seema Kothari and Kalyan K. Banerji**
(M 1134)
- 210 Medium-sized Cyclophanes. Part 32. Synthesis and Conformational Studies of (1,4)Naphthaleno[2.2]metacyclophanes **Takehiko Yamato, Kozou Noda, Kiwamu Tokuhisa and Masashi Tashiro**
(M 1152)
- 212 The Acidity of Some Neutral NH-Acids in Water and Dimethyl Sulfoxide **Ilmar Koppel, Juta Koppel, Ivo Leito, Viljar Pihl, Leif Grehn and Ulf Ragnarsson**
(M 1173)
- 214 4-Oxoazetidone-2-sulfinic Acid Derivatives; Preparation and Determination of Configuration by ¹H Nuclear Magnetic Resonance Spectroscopy **Jure J. Herak, Mladen Vinković and Biserka Kojić-Prodić**
(M 1201)
- 216 *N*-Methyl Quaternisation of 2,5-Diaryl Tetrazoles and Reaction of the Tetrazolium Salts with Ethoxide Base **Richard N. Butler, J. Paul Duffy, Eithne P. Ní Bhrádaigh, Patrick McArdle and Desmond Cunningham**
(M 1227)
- 218 Synthesis and Vibrational Spectra of Molybdenum, Tungsten and Niobium Adducts of MCl₄, MOCl₃, M₂O₃Cl₄, and MO₂Cl₂ with Monodentate and Didentate Oxygen and Nitrogen Donors **Klaus Dreisch, Christina Persson and Carlaxel Andersson**
(M 1301)
- 220 Synthesis of 2,6-Dimethyl-1,4,4a,5,8,8a,9a,10a-octahydro-9,10-anthraquinone and its 2,7-Dimethyl Isomer **Richard T. Brown, Brian W. Fox, John A. Hadfield and Xiuguo Zhang**
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- 222 Photolysis of (Arylmethylsulfanyl)triphenylphosphonium Perchlorates: Competitive Photocleavage of Sulfur—Phosphorus and Sulfur—Carbon Bonds **Christopher Imrie, Tomasz A. Modro and Carl C. P. Wagener**
(—)
- 224 The Gabriel Reaction: Some Anomalies Revisited
(—) **Pamela J. Warner, Lisa J. Kamphuis and Martin S. Gibson**
- 226 A Facile Synthesis of Bicyclic Guanidines: the Reaction of 2-Aminopyrimidine with β -Arylacrylonitrile Derivatives **Ramadan Mekheimer, Nasr K. Mohamed, Ebtehal T. Khadre, Kamal U. Sadek and Hans H. Otto**
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- 228 Bismuth(III) Chloride—Sodium Borohydride: a New and Efficient System for the Selective Reduction of Nitroarenes and Azomethines **Harsha N. Borah, Dipak Prajapati and Jagir S. Sandhu**
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- 230 A Mild and Chemoselective Deoxygenation of Ketones with Zinc and Hydrogen Chloride Generated *in situ* using a Zinc—Aluminium Chloride Hexahydrate—Tetrahydrofuran—Water System **Pritish K. Chowdhury and Parinita Borah**
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- 232 Bakers' Yeast Reduction of 1-Benzyloxy-3-hydroxypropan-2-one **Marco Pallavicini, Luigi Villa, Edoardo Cesarotti and Patrizia Antognazza**
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- 234 Synthesis and Photophysical and Luminescence Quantum Yields of a Europium(III) Complex incorporating 2,2'-Bipyridine *N,N'*-Dioxide **Gilberto F. de Sá, Walter M. de Azevedo and Anderson S. L. Gomes**
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- 236 Autocatalytic Oxidation of Alcohols by Solubilized Permanganate
(—) **Robert Šumichrast, Dieter Lath and Vladislav Holba**
- 238 Lithiation of *N,N*-Diethyl-4,5,6,7-tetrahydrobenzo[*b*]thiophene-2-carboxamide and Synthesis of a New [1]Benzothieno[2,3-*c*]pyranone **Soumitra Mukherjee and Asish De**
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- 240 Novel Fluorinated Liquid Crystals. Part 3. Synthesis and Mesomorphic Behaviour of Liquid Crystals incorporating a 2,3,5,6-Tetrafluorobiphenyl-4,4'-diyl Unit **Yuelian Xu, Pin Fan, Qi Chen and Jianxun Wen**
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- 242 1-Adamantylloxycarbonyl: a Novel Protecting Group for Phenols carrying Strongly Electron-withdrawing Substituents **Ion Niculescu-Duvaz and Caroline J. Springer**
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- 244 Simple and Condensed β -Lactams. Part 21. Synthesis of Some Compounds related to the Monobactams, carrying Non-acylamino Substituents in Position 3 and Heterocyclic Quaternary Ammoniomethyl Substituents in Position 4 of the β -Lactam Ring **József Fetter, Péter Huszthy, Mária Kajtár-Peredy, Ernő Keskeny and Károly Lempert**
(M 1241)

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*.