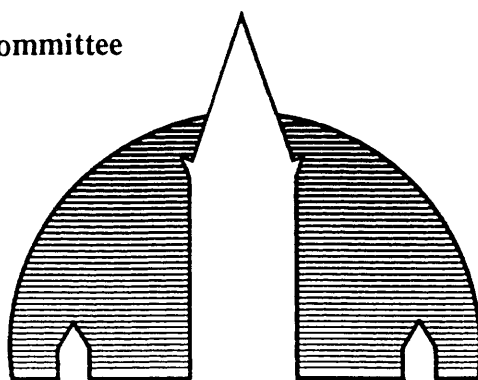


International Advisory Committee

G.D. Andreetti
J.L. Atwood
A. Cheetham
J.E.D. Davies
W.L. Duax
G.W. Gokel
T. Iwamoto
J.M. Lehn
J. Lipkowski
D.D. MacNicol
Y. Murakami
H. Ogoshi
W. Saenger
J. Szejtli
F. Vogtle



**8th INTERNATIONAL
SYMPOSIUM ON
MOLECULAR
RECOGNITION AND
INCLUSION**

Organizing Committee

P. Arya
T. Bein
G. Buchanan
G. Burton
J. Daroszewski
C. Detellier
G. Facey
T. Fyles
G. Gokel
L. Johnston
H. Morin-Dumais
J. Ripmeester (Chair)
C. Ratcliffe
F. Vogtle
M. White
J. Wuest

The 8th International Symposium on Molecular Recognition and Inclusion will be held in Ottawa, Ontario, Canada from July 31 to August 5, 1994. For further information please contact Mrs. Huguette Morin-Dumais, Steacie Institute for Molecular Sciences, National Research Council Canada, 100 Sussex Drive, Ottawa, Ontario, Canada, K1A 0R6. Telephone: (613) 990-0936. FAX: (613) 954-5242, E-Mail: ISMRI@NED1.SIMS.NRC.CA.

The symposium will focus on the rapidly advancing field of supramolecular chemistry including all aspects of molecular recognition and inclusion. As part of the main symposium, a special "Lock and Key" symposium will be held to commemorate the 100th anniversary of Emil Fischer's seminal paper in which the lock and key analogy was first proposed. The symposium will focus on molecular recognition and will include all chemical and biological aspects (structure, catalysis, complex formation biomimetic reactions, self assembly, sensors, drug design, new and modified hosts). Additional areas to be covered include: physical methods and computation (advances and applications to molecular recognition and guest-host chemistry) and the solid state (new inclusion hosts, microporous solids, clathrates, inclusion compounds, intercalates, chemistry in confined spaces, clusters). The program will consist of 35-40 plenary and invited lectures as well as contributed presentations in poster format. Abstracts of oral and poster presentations will be available to participants in booklet form.

THE 35TH IUPAC INTERNATIONAL SYMPOSIUM ON MACROMOLECULES

MacroAkron '94
The University of Akron, Akron, Ohio, USA
July 11-15, 1994

Major Topics: New Polymerization Reactions and Reaction Mechanisms
Complex Macromolecular Architectures and
Supramolecular Polymers
Polymers and Biology
Frontier Polymeric Materials
Field Responsive Polymers
Structure and Morphology
Thermodynamic and Dynamic Properties in Solution and Bulk
Polymers at Interfaces
History of Polymers

Plenary Speakers

Andrew Keller, University of Bristol; Toyoki Kunitake, Kyushu University;
Helmut Ringsdorf, University of Mainz; Walter Stockmayer, Dartmouth College

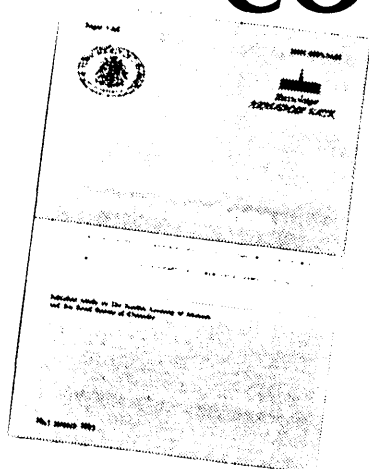
In addition to the Plenary Speakers, there will be more than 100 invited speakers and numerous contributed oral and poster presentations covering all aspects of polymer science. 24 parallel sessions are planned. **Abstract Deadline is February 1, 1994.**

For program information contact: Dr. Jerry Lando or Dr. Virgil Percec, Case Western Reserve University, Department of Macromolecular Science, Cleveland, Ohio USA 44106-7207, **Phone:** (216) 368-6366, (216) 368-4242, **Fax:** (216) 368-4028

For a copy of the second circular, contact Cathy Manus-Gray MacroAkron '94, The University of Akron, Akron, OH 44325-3909, USA. Phone: (216) 972-5334; **Fax:** (216) 972-5463 or **Electronic Mail:** Manusgray@uakron.edu.

NOW SIX
ISSUES PER YEAR

MENDELEEV COMMUNICATIONS



Mendeleev Communications is a unique publication providing rapid access to the extensive chemical research activities of an important and fascinating world region – the Commonwealth of Independent States. **It is not a translation journal; all material is published directly in English and is therefore as up-to-date as possible.**

Mendeleev Communications is a joint publishing venture between The Royal Society of Chemistry and The Russian Academy of Sciences. It contains preliminary accounts of novel and significant results of wide general appeal or exceptional specialist interest on any branch of chemistry. Most papers are submitted from the CIS but some come from other parts of the world. **Mendeleev Communications** acts as both a means and a stimulus for international dialogue.

Mendeleev Communications:

- ★ Has proved so successful that it is now published six times per annum
- ★ Is not a translation journal
- ★ Publishes rapidly – within 12 weeks of receipt of papers in the UK
- ★ Will accept high quality papers on all topics of chemistry
- ★ Offers a unique insight into the research activities of the CIS

Joint Editors-in-Chief:

H M Frey, University of Reading, UK
O M Nefedov, Vice-President of the Russian Academy of Sciences, Moscow, Russian Federation

UK Staff Editor: Andrew Wilkinson, Royal Society of Chemistry, Cambridge, UK

Moscow Staff Editor: Irina V Makhova, Russian Academy of Sciences, Moscow, Russian Federation

1993 Subscription Details

Published six times per annum plus annual author index

EC £140.00 USA \$280.00 Canada £147.00 (+ GST) Rest of World £140.00

ISSN 0959-9436 Back issues available on request.

Mendeleev Communications is essential reading for everyone who is interested in keeping up-to-date with the latest chemical research.

To order please contact:

Turpin Distribution Services Ltd, Blackhorse Road, Letchworth, Herts SG6 1HN, UK. Tel: +44 (0) 462 672555. Fax: +44 (0) 462 480947. Telex: 825372 TURPIN G.

For further information please contact:

Sales and Promotion Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, UK. Tel: +44 (0) 223 420066. Fax: +44 (0) 223 423623. Telex: 818293 ROYAL.

ROYAL
SOCIETY OF
CHEMISTRY



Information
Services

Journal of Chemical Research, Issue 9, 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 9, is reproduced below.

- 349 Approaches to the Preparation of 6- and 7-Methyl-8-substituted Pterins. Part 2. The Mechanism of the Gabriel-Colman Synthesis
(M 2359) **Michael T. G. Ivery** and **Jill E. Gready**
- 350 5-Oxo-5,6,7,8-tetrahydroquinolinium Salts: Synthesis and Reactions **Armands Zandersons, Galina P. Shkil, Viesturs Lulis, Dzintra Muceniece, Reva S. Sagitullin** and **Gunars Duburs**
(M 2401)
- 351 Study of Self-Association of 7-Alkylxanthines by Nuclear Magnetic Resonance Spectroscopy **Jamal Zahalka, Max Donbrow** and **Yehuda Yanuka**
(M 2429)
- 352 The Reactivity of β -Enaminonitriles towards Amino Heterocycles: a Novel Synthesis of Fused Pyrazole Systems **Ayman Wahba Erian, Susan Ibrahim Aziz, Abdalla Mohamed Negm** and **Sherif Mourad Sherif**
(M 2301)
- 354 Collisional Quenching Investigation of Electronically Excited Germanium Atoms, $\text{Ge}((4p)^2(^1D_2))$, by Time-resolved Atomic Resonance Absorption Spectroscopy in the Ultraviolet **Nazre Haider, David Husain** and **Mahbub Kabir**
(M 2313)
- 356 X-Ray Crystallographic Evidence for a Novel *exo* [6+4] π Cycloadduct of Cyclooctatetraene and 2,5-Bis(methoxycarbonyl)-3,4-diphenylcyclopentadienone and a Molecular Orbital Analysis of the Reaction Pathway **Kazunobu Harano** and **Takuzo Hisano**
(M 2335)
- 358 Hydrazonoyl Halides in Heterocyclic Chemistry: Synthesis of New Polyfunctionally Substituted Pyrazoles, Pyridazines and Pyrazolo[3,4-*d*]pyridazines **Ahmed H. H. Elghandour**
(M 2385)
- 360 Structure of the *trans* Dimer of Methyl 2-Methyl-2-nitrosopropionate **Brian G. Gowenlock** and **Kevin J. McCullough**
(M 2481)
- 362 Potentially Tautomeric 1,2-Dihydro-1-oxo-5*H*-pyridazino[4,5-*b*]indole and 3,4-Dihydro-4-oxo-5*H*-pyridazino[4,5-*b*]indole **Alâattin Güven** and **R. Alan Jones**
(M 2411)
- 364 Metal-induced Electrochemical Oxidation of Diethyl Benzylmalonates in the Presence of Alkenes and Alkynes. Synthesis of Substituted Tetrahydro- and Dihydro-naphthalenes **Fabrizio Bergamini, Attilio Citterio, Norberto Gatti, Marco Nicolini, Roberto Santi** and **Roberto Sebastiano**
(M 2455)
- 366 Palladium-complex-catalysed Stereoselective Synthesis of (*Z*)- α -Halogenoalkylidene- γ -butyrolactone Derivatives from Acetoxy-allylic Alk-2-ynoates **Guoxin Zhu, Shengming Ma** and **Xiyan Lu**
(M 2467)
- 368 Quantitative Resonance Theory and Its Relation with MO Theory: π -Electron Transfer in Substituted Benzenes and Some Substituted Conjugated Hydrocarbon Ions **Yang Pipeng**
(M 2501)
- 370 Spectroscopic Study of the Mechanism of Hydrolysis of Clotizolam, a Thienotriazolodiazepine **Enrique Ulibarrena, Blanca Gallo, Francisca Vicente, Luis A. Berrueta,** and **Ester Dominguez**
(M 2448)
- 371 A Two-step Synthesis of 2-Methylheptadecane, the Sex Pheromone of the Tiger Moth, using the Henry Reaction **Roberto Ballini** and **Giovanna Bosica**
(—)
- 372 Phosphorylated Nitrogen Mustards. Cyclization and Ring Opening of Phosphoric and Phosphonic *N*-(2-Chloroethyl)amides **Charlotte le Roux, Sieglinde Bauermeister** and **Tomasz A. Modro**
(—)
- 374 A Dinuclear Ruthenium(II) Complex with a Pyrazolato Bridging Ligand: Synthesis, Characterization and Redox Behaviour **Tapan K. Mallick, Pradyut K. Das, Bijan K. Roy** and **Barindra K. Ghosh**
(—)
- 376 Some Aspects of the Photocatalytic Oxidation of Ammonium Ion by Titanium Dioxide **Agustín Bravo, Josep Garcia, Xavier Domènech** and **José Peral**
(—)
- 378 Theoretical Aspects of the Interaction between the Indole Radical Cation and Oxygen **Patricia Carloni, Lucedio Greci, Pierluigi Stipa, Maciej Baginski** and **Edward Borowski**
(—)
- 380 Synthesis of $\text{Ph}_2\text{PCH}_2\text{C}(\text{O})\text{NPh}_2$ and the Co-ordination of Functional Phosphines with $[\text{Pd}(\text{dba})_2]$ (dba = dibenzylideneacetone) and Palladium(II) Complexes **Jacques Andrieu, Pierre Braunstein** and **Andrew D. Burrows**
(—)
- 382 Regioselective Acylation of 3-Mercaptopropane-1,2-diol by Lipase-catalysed Transesterification **Alicia Baldessari, Luis E. Iglesias** and **Eduardo G. Gros**
(—)
- 384 Synthesis, Characterization and Photophysical Properties of Two New Fluoroionophores from BAPTA and a Quinoxalinone **Louis Cazaux, Mourad Faher, Claude Picard** and **Pierre Tisnès**
(—)
- 386 A Novel Synthetic Route to 3-Aryloxypropionitriles **Gustavo P. Romanelli, Juan C. Autino, Arturo A. Vitale** and **Alicia B. Pomilio**
(—)

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*.