**International Advisory Committee Organizing Committee** G.D. Andreetti P. Arya J.L. Atwood T. Bein A. Cheetham G. Buchanan J.E.D. Davies G. Burton W.L. Duax J. Daroszewski G.W. Gokel C. Detellier T. Iwamoto G. Facey J.M. Lehn T. Fyles J. Lipkowski G. Gokel 8th INTERNATIONAL D.D. MacNicol L. Johnston SYMPOSIUM O Y. Murakami H. Morin-Dumais H. Ogoshi J. Ripmeester (Chair) W. Saenger C. Ratcliffe RECOGNITION AND J. Szejtli F. Vogtle F. Vogtle M. White LUSIO J. Wuest

The 8<sup>th</sup> 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. Astracts of oral and poster presentations will be available to participants in booklet form.

## 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 Lusis, (M 2401) Dzintra Muceniece, Reva S. Sagitullin and Gunars Duburs
- 351 Study of Self-Association of 7-Alkylxanthines by Nuclear Magnetic Resonance Spectroscopy Jamai Zahaika, Max Donbrow (M 2429) and Yehuda Yanuka
- 352 The Reactivity of β-Enaminonitriles towards Amino Heterocycles: a Novel Synthesis of Fused Pyrazole Systems Ayman (M 2301) Wahba Erian, Susan Ibrahim Aziz, Abdalla Mohamed Negm and Sherif Mourad Sherif
- 354 Collisional Quenching Investigation of Electronically Excited Germanium Atoms, Ge[(4p)²(¹D₂)], by Time-resolved Atomic (M 2313) Resonance Absorption Spectroscopy in the Ultraviolet Nazre Haider, David Husain and Mahbub Kabir
- 356 X-Ray Crystallographic Evidence for a Novel *exo* [6+4]π Cycloadduct of Cyclooctatetraene and 2,5-Bis(methoxycarbonyl)-3,4-(M2335) diphenylcyclopentadienone and a Molecular Orbital Analysis of the Reaction Pathway **Kazunobu Harano** and **Takuzo** Hisano
- 358 Hydrazonoyl Halides in Heterocyclic Chemistry: Synthesis of New Polyfunctionally Substituted Pyrazoles, Pyridazines and (M 2385) Pyrazolo[3,4-d]pyridazines Ahmed H. H. Elghandour
  - 360 Structure of the trans Dimer of Methyl 2-Methyl-2-nitrosopropionate
- (M 2481) Brian G. Gowenlock and Kevin J. McCullough
- 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 (*M* 2411) Alâattin Güven and R. Alan Jones
- 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
- 366 Palladium-complex-catalysed Stereoselective Synthesis of (Z)-α-Halogenoalkylidene- $\gamma$ -butyrolactone Derivatives from Acetoxy-(M 2467) allylic Alk-2-ynoates **Guoxin Zhu, Shengming Ma** and **Xiyan Lu**
- 368 Quantitative Resonance Theory and Its Relation with MO Theory: π-Electron Transfer in Substituted Benzenes and Some (M 2501) Substituted Conjugated Hydrocarbon lons Yang Pipeng
- 370 Spectroscopic Study of the Mechanism of Hydrolysis of Ciclotizolam, a Thienotriazolodiazepine Enrique Ulibarrena, Blanca (M 2448) Gallo, Francisca Vicente, Luis A. Berrueta, and Ester Dominguez
  - 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
    (—) Domênech 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
  - Synthesis of Ph<sub>2</sub>PCH<sub>2</sub>C(0)NPh<sub>2</sub> and the Co-ordination of Functional Phosphines with [Pd(dba)<sub>2</sub>] (dba = dibenzylideneacetone) and Palladium(II) Complexes Jacques Andrieu, Pierre Braunstein and Andrew D. Burrows
  - Regioselective Acylation of 3-Mercaptopropane-1,2-diol by Lipase-catalysed Transesterification Alicia Baldessari, Luis E.

    (—) Iglesias and Eduardo G. Gros
  - 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-Aryloxypropiononitriles 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.