## Fifth International Conference on Mathematical Chemistry

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Received February 10, 1994

The 5th International Conference on Mathematical Chemistry was held at the University of Missouri in Kansas City during May 17–21, 1993. There were over 80 chemists and mathematicians from 20 countries and 19 USA states. This conference was jointly sponsored by the International Society for Mathematical Chemistry, Upjohn Co., and University of Missouri (Center for International Affairs, Office of Graduate Faculties and Research, A&S College, and Continuing Education), and travel grants for contributors from the Baltic states were supported by the International Science Foundation of New York.

The range of subjects covered included quantum mechanics (presided by D. J. Klein, Galveston), structure (presided by R. Hefferlin, Collegedale), biochemistry and macromolecules (presided by M. Randić, Des Moines), fullerenes and reaction graphs (presided by N. Trinajstić, Zagreb), and benzenoids (presided by A. T. Balaban, Bucharest). Keynote lectures on "Structural Systematics and Structural Stability" (Jeremy Burdett, Chicago), "New Electronic Theory for Chemistry" (N. D. Epiotis, Seattle), "Topological Descriptors and Similarity of Molecular Structures" (W. C. Herndon, El Paso), "The Role of Mathematical Chemistry in Structural Chemistry" (J. Karle, Washington, D.C., 1985 Nobelist), "Amphicheirality" (K. M. Mislow, Princeton), and "Graph Theoretical Means for Calculating Kekulé and Hückel Parameters in Benzenoid and Related Systems" (Horst Sachs, Ilmenau, author of Sachs' theorem) were presented.

Polycyclic hydrocarbons continue to be the subject of many theoretical studies that were presented by J. R. Dias, X. Guo (Xinjiang), P. Hansen and M. Zheng (Montreal), P. E. John (Ilmenau), H. Sachs, J. Salvador (El Paso), Chun-che Tsai, Y. Zou, and T. Lo (Kent), M. A. Johnson (Kalamazoo), He Wenchen (Shijiazhuang), R. W. Zoellner, J. Krebs, and D. Browne (Flagstaff), T. P. Zivkovic (Zagreb), T. G. Schmalz

and D. J. Klein (Galveston), F. Zhang (Xinjiang), and Z. Chen (McKeesport). Topics dealing with clusters were presented by K. Balasubramanian (Tempe), J. R. Dias (Kansas City), P. W. Fowler (Exeter), A. Graovac (Zagreb) and T. Pisanski (Ljubljana), R. Hefferlin and E. Babaev (Moscow), W. C. Herndon and G. Ying-Duo (El Paso), H. Hosoya and U. Nagashima (Tokyo), R. B. King (Athens), D. J. Klein, J. Paldus and P. Piecuch (Waterloo), and I. F. Shadrin (Tashkent). NMR protein-biomolecule and macromolecular computational studies were reported by M. Le Bret, J. Gabarro-Arpa, J. Pothier, and F. Delfaud (Villejuif), T. F. Havel and J. Yang (Cambridge), N. Mizoguchi (Tokyo), and J. Xu and P. Borer (New York). QSAR-related studies were presented by A. T. Balaban, who is the 1994 Skolnik Award recipient, I. P. Bangov (Sofia), S. C. Basak (Duluth), D. Kerzic, B. J. Blazic, and V. Batagelj (Ljubljana), I. Lukovits (Budapest), S. Elk (New Milford) and I. Gutman (Taiwan), W. C. Herndon, A. F. Kleiner (Des Moines), H. Krishnapriyan (Des Moines), R. K. Mishra (Jyotivihar), M. Perdih and M. Razinger (Ljubljana), M. Randić, D. H. Rouvray (Athens), and N. Trinajstić, D. Babić, S. Nikolić, D. Amić, and Z. Mihalić (Zagreb). Topics related to reaction graphs were presented by D. Bonchev (Burgas), E. M. Gifford, D. G. Kaiser, C. Tsai, and M. A. Johnson, T. J. Pickett and K. W. McLaughlin (Evansville), and J. N. Weber (Wilmington). Numerous other presentations dealing with shape, similarity, stereochemistry, structure, and symmetry were given at this conference.

The 6th International Conference on Mathematical Chemistry has been scheduled to take place at Pitlochry, Perthshire, Scotland, during July 10–14, 1995. The conference directors are Drs. Edward Kirby (Fax +44-796-473211) and Dennis Rouvray (Fax 706-542-9454).