

## Preface

This volume contains the texts of plenary and invited lectures presented at the Sixth International Symposium on Novel Aromatic Compounds held at Toyonaka, Osaka, Japan, between August 20 and 25, 1989. The symposium was sponsored by the International Union of Pure and Applied Chemistry and was organized by The Chemical Society of Japan.

This series of symposia has been held under the flag of IUPAC every three or four years since its inauguration in Sendai, Japan in 1970. Since then, a series of symposia has been held at various locations: Lindau, FRG; San Francisco, USA; Jerusalem, Israel; and St Andrews, Scotland, UK, and came back to Toyonaka, Japan to complete a conjugated cycle.

During the round, the symposium title changed from "Nonbenzenoid Aromatics" to "Novel Aromatics" in order to cover not only nonbenzenoid aromatics but also nonclassical aspects of classical benzenoid aromatic compounds.

The Organizing Committee attempted to make this symposium interdisciplinary. Therefore, the program of the symposium covered the subjects from theory to experimental organic chemistry, from aromatics to antiaromatics, from planar molecules to bent molecules, from organic conductors to organic magnets, from carbon cluster to inorganic aromatic rings, from solid state properties to biomimetic chemistry, and so on. All these subjects are more or less concerned with novel aromatic compounds. These subjects are arranged in the following five categories.

- 1) Theoretical studies
- 2) Spectroscopic studies
- 3) Studies on organic metals
- 4) Studies on host-guest chemistry
- 5) Organic experiments

In addition to the distinguished plenary and invited lectures published here, there were also extensive and stimulating poster sessions with approximately 140 poster presentations, and two well attended workshops on the "Theory of Aromaticity, Anti-aromaticity and Cyclic Conjugation" and "Electronic Applications of Benzenoid and Nonbenzenoid Aromatic Compounds" superbly chaired, introduced and stimulated by Professor K. Jug and Dr. M. R. Bryce, respectively. The Organizing Committee would like to thank the speakers, the chairmen of the sessions and workshops, and all the participants for the success of this symposium. And finally, the Committee would like to thank the many funding organizations and industrial companies for their financial support and the many individuals who helped to realize the symposium's ultimate fruition.

The Manuscript of the plenary lecture by Professor D. O. Cowan of the Johns Hopkins University entitled "The synthesis of sulfur, selenium, and tellurium heterocyclic  $\pi$ -donor which can be used as components of organic metals or superconductors" was unfortunately not available and therefore with his consent not included herein.

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Chairman, Organizing Committee

Hiizu Iwamura  
General Secretary

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