

Preface

The Twelfth International Symposium on Macrocyclic Chemistry (the 12th ISMC) belongs to a series which was started in Provo (Utah, U.S.A.) in 1977 by the efforts of Christensen, Izatt and their coworkers. Initially these symposia were exclusively held in Provo, but in 1980 it was first held at Basel, Switzerland, which was organized by T. Kaden. An international advisory committee subsequently appointed has decided in 1985 to hold these symposia annually in different geographic areas. The Hiroshima meeting is the first one held in non-Western countries. The thirteenth symposium will take place in Hamburg in 1988 organized by Arndt Knöchel.

The Hiroshima symposium deals with various aspects of chemistry of synthetic and naturally occurring macrocyclic compounds. The objective is to provide a forum for the presentation and discussion of research activities in the macrocyclic compounds such as crown ethers, cryptands, polyamines, peptides and ionophores. The topics covered are:

- Synthesis
- Structures of Free and Complexed Molecules
- Binding with Organic Cations, Anions, and Neutral Molecules
- Biomimetic Models
- Kinetics and Thermodynamics of Complexation
- Analytical Applications
- Industrial Applications
- Biological Aspects

This year 1987 marks the 20th anniversary of Crown Ethers. In September, 1967, Mr. Charles J. Pedersen (then, at du Pont) made the first oral presentation on his epoch-making discovery at the 10th International Conference on Coordination Chemistry held here in Japan. In the occasion of the 12th ISMC in Hiroshima, Japan, we celebrate the 20th anniversary and honor Mr. Pedersen by having a special session devoted to him with invited speakers, who also lecture on the status of the current research and where it is likely to go in future, in addition to their latest results.

The Logo of the XII Symposium represents the Hiroshima prefectural symbol tree, Japanese maple leaf (not Canadian maple leaf) which encapsulates the famous Miyajima shrine, off Hiroshima bay; the maple leaf is overlapped with macrocyclic dioxopentaamine synthesized in our laboratory.



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