

Book review

IUPAC. Coordination Chemistry-20, (Calcutta/India, 1979); edited by D. Banerjea, 275 pages, Oxford, Pergamon Press, 1980, \$ 75.

This volume contains the texts of 27 of the 31 invited lectures for the 20th International Conference on Coordination Chemistry, held at Calcutta in December 1979. It will be clear from the following list of contents that these cover a wide range of chemistry by notable experts:

A Review of Some Very New Developments in the Stereochemistry of Coordination Compounds, by J.C. Bailar, Jr.; Complex Chemistry and the Mimicry of Metallo-Enzymes, by J. Chatt; Synthetic Oxygen Carriers Related to Natural Systems, by F. Basolo; Stability, Structure and Reactivity of Mixed Ligand Complexes in Solution, by H. Sigel; Some Recent Advances in the Understanding of Mechanism of the Base Hydrolysis of Octahedral Cobalt(III) Complexes, by M.L. Tobe; Photochemical Paths: The Photochemical and Photo-physical Limits, by C.H. Langford and B.R. Hollebhone; Orbital Symmetry and Substitution-Rate Effects on Redox Reactions: Ru(III)—Ti(III) Electron Transfers, by J.E. Early, B. Berrie, P. Barone, R.N. Bose and R.A. Lee; Metal Complexes with Functionalized Macrocyclic Ligands, by T.A. Kaden; Fourteen: A Magic Number of Coordination Chemistry, by M.T. Beck; The Insertion Reactions of Unsaturated Hydrocarbons into Metal—Hydrogen Bonds, by L.M. Venanzi; Coordination Compounds with Inorganic High-Molecular Ligands, by V.I. Spitsyn; Metal Ion Catalysed Reactions of Coordinated Oxalate, by A.L. Odell, C.J. O'Connor and A.A.T. Bailey; Trends Towards the Study of Low Molecular Weight Complexes in Biological Systems, by D.R. Williams; Metal Chelates as Anti-Cancer Agents, by S.E. Livingstone; Nitrogen Fixation: Past Progress and Recent Advances, by G.N. Schrauzer; Binuclear Complexes in Electron Transfer Reactions, by R.D. Cannon; Regio- and Stereoselectivity in Substitution and Redox Reactions of Oxo-Transition Metal Complexes, by K. Saito; The Mutual Influence of Ligands in Coordination Compounds, by V.I. Nefedov; Recent Trends in the Application of Coordination Chemistry in Biology and Medicine, by B. Sarkar; Modern Aspects of Structure/Reactivity Problems for Coordination Compounds, by I.B. Bersuker; The Application of Conformational Analysis to the Structure and Energy of Coordination Compounds with Special Reference to Chelate Rings, by K. Rasmussen and F. Woldbye; Coordination Chemistry: A Quest for Identity, by F.G. Gallais; Ligand Polarization Transition Probabilities in Lanthanide and Transition-Metal Complexes, by S.F. Mason; The Chemistry of the Transition Metal Dialkylamides, by D.C. Bradley; Recent Studies in the Synthetic and Structural Chemistry of the Transition Metals, by R.L. Martin; and Linear Free Energy Relationships in Coordination Chemistry, by Y.-T. Chen.

It will be evident that among material of direct relevance to readers of this journal is the article by Venanzi. Among the others that I have found especially

interesting was D.C. Bradley's short chapter (3½ pages, 59 references).

As is usual for books in this series, while the binding is excellent, the legibility of the text varies from adequate to appalling, and I find the high price of such a volume quite inexplicable.

MICHAEL F. LAPPERT

*School of Molecular Sciences,
University of Sussex,
Brighton BN1 9QJ (Great Britain)*

Announcement

The Fourth International Symposium on Olefin Metathesis will be held in Belfast on September 1st till 4th, 1981.

Further details may be obtained from:

Professor K.J. Ivin
Department of Chemistry,
The Queen's University of Belfast,
Belfast BT9 5AG (U.K.)