

(Mechanism of base hydrolysis of octahedral cobalt(III) complexes), Langford and Hollebone (Photochemical paths), Earley, Berrie, Barone, Bose and Lee (Orbital symmetry and substitution rate effects on redox reactions), Kaden (Functionalised macrocyclic chemistry), Beck (Fourteen, a magic number of coordination chemistry), Venanzi (Insertion of unsaturated hydrocarbons into metal-hydrogen bonds), Spitsyn (Inorganic high molecular weight ligands), Odell, O'Connor and Bailey (Metal ion catalysed reactions of coordinated oxalate), Williams (Low molecular weight complexes in biological systems), Livingstone (Metal chelates as anti-cancer agents), Schrauzer (Nitrogen fixation), Cannon (Binuclear complexes in electron transfer reactions), Saito (Regio and stereoselectivity in oxo-transition metal complexes), Nefedov (Mutual influence of ligands), Sarkar (Coordination chemistry in biology and medicine), Bersuker (Structure/reactivity problems for coordination chemistry), Rasmussen and Woldbye (Conformational analysis), Gallais (Coordination chemistry—a quest for identity), Mason (Ligand polarisation transition probabilities), Bradley (Transition metal dialkylamides), Martin (Synthetic and structural chemistry of the transition metals), and Chen (Linear free energy relationships in coordination chemistry).

This volume (which contains no indexes) continues the high standards set by previous ICCS conferences and provides a useful cross-section of the current status of the field.

*Coordination Chemistry—21*, Edited by J.P. Laurent, Pergamon Press, Oxford, 1981, pp. 185, price US \$50.00,

This volume contains the plenary and section lectures presented at the 21st International Conference on Coordination Chemistry, Toulouse, France, 7–11th July 1980, sponsored by the International Union of Pure and Applied Chemistry (IUPAC).

The plenary lectures were presented by Mason and Varghese (Valence electron distribution in transition metal complexes: state of the art studies), Cotton (Coordination compounds with metal-to-metal bonds: the constructive interaction of theory and experiment), Maverick and Gray (Solar energy storage reactions involving metal complexes) and Freeman (Electron transfer in 'Blue' copper proteins).

The section lectures include Coppens (Experimental charge density in metal-metal and metal-ligand bonds), Saito (Circular dichroism of asymmetrically distorted complexes of the transition elements), Hendrickson, Haddad, Federer and Lynch (Curiosities of spin crossover ferric Schiff base complexes), Interrante (Coordination compounds as a source of electrically

conductive solid state materials), Vlcek (Novel aspects of the electrochemistry of redox series), Mehrotra (Electronic structures of simple and bimetallic alkoxides of later 3d transition elements), Green (M.L.H.) (Reactivity of simple hydrocarbon ligands attached to transition metals), Ibers, Gaffney and Schramm (Interaction of neutral diazo molecules and carbonyl sulfide with transition metal systems), Venanzi (Transition metal hydrides as intermediates in organometallic reactions), Vol'pin (Transition metal complexes as catalysts in biochemical systems), and Sarkar (Biological coordination chemistry of nickel). There is a useful subject index in this volume which continues the publication of major lectures in the ICCS series.

The Editor's Desk