

CONTENTS

1. Historical Background and Fundamental Concepts	1
2. The Nature of the Metal-Ligand Bond	51
3. Bidentate Chelates	95
4. Design and Stereochemistry of Multidentate Chelating Agents	143
5. Optical Phenomena in Metal Chelates	183
6. Oxidation-Reduction Potentials as Functions of Donor Atom and Ligand	237
7. Metal Chelates of Ethylenediaminetetra Acetic Acid and Related Substances	283
8. Enzyme-Metal Ion Activation and Catalytic Phenomena with Metal Complexes	335
9. Metal Chelates in Biological Systems	383
10. Physical and Coordination Chemistry of the Tetrapyrrole Pigments	442
Author Index	491
Subject Index	509