

*Progress in Coordination Chemistry; Proceedings of the Eleventh International Conference on Coordination Chemistry*, Haifa and Jerusalem, September 1968; Edited by Michael Cais, Elsevier Publ. Comp., Amsterdam, 1968, xxviii + 854 pages, Dfl. 125,—.

Most coordination chemists will be familiar with the reports of the earlier conferences in this series. The present volume differs in that abstracts of all papers submitted to the conference are given, and it follows the recent practice of printing by direct photographic reproduction of the manuscripts. The abstracts are grouped into ten sections, the titles of which are given as follows, together with the number of papers in each section: Coordination compounds in Homogeneous Catalysis (22), Photochemistry in Coordination Compounds (12), Kinetics and Mechanism of Reactions of Coordination Compounds (32), Synthesis, Structure and Stereochemistry of Coordination Compounds (63), Organometallic Chemistry (43), Coordination Compounds in Biochemistry (17), Theories of Bonding in Coordination Compounds (23), Physical Methods in Coordination Compounds (40), Coordination Compounds in Solvent Extraction (38), Coordination Compounds in Non-Aqueous Solvents (23).

The plenary lectures will be published separately, but outlines of five of them appear in this volume.

A. PIDCOCK

*Advances in Macromolecular Chemistry, Vol. 1*; Ed. by W. M. PASIKA, Academic Press, London, 1968, x + 432 pages, 115s.

This first volume of a new series is of interest to organometallic chemists because it contains a comprehensive account of Ferrocene Polymers by E. W. Neuse, who has himself made important experimental contributions to this field. The review occupies 138 pages and includes about 500 references, some with 1967 dates. A brief account of ferrocene chemistry is followed by a survey of polymers containing pendent ferrocenyl groups. The main part of the review (90 pages) is concerned with polymers containing intralinear ferrocenylene groups, and deals with polyferrocenylenes, polymers with ferrocene units linked through carbon systems, and those containing nitrogen or other heteroatoms (*e.g.* Hg, B, Si, and P) in the bridging units. Analogous polymers from ruthenocene, titanocene, and zirconocene, are also briefly considered.

Other reviews in the volume deal with Popcorn Polymerizations (J. W. Breitenbach), Electron Acceptors as Initiators of Charge-Transfer Polymerizations (L. P. Ellinger), Non-Newtonian Viscosity and the Macromolecule (A. Peterlin), Solid-State Polymerization (Y. Tabata), and Polysulphones: Organic and Physical Chemistry (K. J. Ivin and J. B. Rose).

C. EABORN