

## Book Review

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### *Inorganic Syntheses. Volume 26.*

Edited by Herbert D. Kaesz (University of California), published by Wiley, New York, 1989, XXVII + 443 pp., £59.00. ISBN 0-471-50485-8.

This book of *Inorganic Syntheses* is another volume in an excellent series that provides detailed procedures for the preparation of important compounds. The present volume contains 70 preparations, many with directions for several compounds of a type. Submissions have been grouped into chemically related categories represented by the chapter headings. These are: compounds of the main group elements and the lanthanides (5 preparations), mononuclear transition metal complexes (33), polynuclear transition metal complexes (30), and solid state (2). Each contribution includes a brief introduction, the procedure with a note of any particular hazards, a final comment of some physical, chemical and spectroscopic properties, with a list of references concluding the preparation. Each synthesis has been previously checked in another laboratory

by an independent team. Many preparations are often accompanied by useful figures representing chemical apparatus that has been used during that synthesis. The volume includes an Index of Contributors, a Subject Index, and a Formula Index. These latter two indexes contribute also to the Cumulative Index for Volumes 26–30. The Formula Index is organized in order to allow the most efficient location of specific compounds and groups of compounds related by the central metal ion or ligand grouping.

Careful editing of this volume assures a high degree of completeness. Anyone working on the synthesis of inorganic compounds will find this a valuable and useful book.

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