

Announcements

Fourth International Conference on the Organometallic and Coordination Compounds of Germanium, Tin and Lead

This conference will be held at McGill University, Montreal, August 8–12, 1983. The "First Circular" is available from

Professor M. ONYSZCHUK,
Department of Chemistry,
McGill University, Montreal,
Quebec, Canada, H3A 2K6.

North American Organotin Day

The first "North American Organotin Day" will be held at McGill University, Montreal, on August 12, 1983 as part of the Fourth International Conference on the Organometallic and Coordination Compounds of Germanium, Tin and Lead. The "First Circular" is available from

Mr. D. MAYKUTH,
Tin Research Institute, Inc.,
1353 Perry Street, Columbus,
Ohio, USA 43201.

Book review

Gmelin handbook of inorganic chemistry, 8th Edition, *Sc, Y, La-Lu rare earth elements, Part C 4a. Chlorides. Comparative data*, I. Flachsbart, H. Hein, G. Kirschstein, E. Koch, I. Kreuzbichler, P. Kuhn, H. Lehl and U. Vetter, volume authors, H. Bergmann, chief editor, Gmelin Institut für Anorganische Chemie der Max-Planck-Gesellschaft zur Förderung der Wissenschaften and Springer-Verlag, Berlin/Heidelberg/New York, 1982, vi + 272 pages, DM 851. *Part D2. Coordination Compounds (Continuation)*, E.R. Birnbaum and J.H. Forsberg, volume authors, T. Moeller and E. Schleitzer-Rust, volume editors, Gmelin Institut für Anorganische Chemie der Max-Planck-Gesellschaft zur Förderung der Wissenschaften and Springer-Verlag, Berlin/Heidelberg/New York, 1982, v + 352 pages, DM 933.

The field of organolanthanide chemistry and that of their Group 3a congeners, scandium and yttrium, is developing rapidly. The starting point for most of the syntheses are the anhydrous trichlorides and for this reason Volume C4a, dealing with the chloride of these elements, will be of some value to readers of this Journal. However, Volume D2 may be of somewhat more specialist interest.

These volumes are part of the Gmelin series on the 'Rare Earth Elements'. C4a and C4b collectively deal with the rare earth chlorides, their hydrates, their aqueous and non-aqueous solutions, and data on chloride systems containing two rare earths. While Volume C4b is not yet to hand, the chief editor, Dr. H. Bergmann, states in a foreword that "Comparative and broadly valid data for these compounds and systems are presented in volume C4a, data on individual chlorides and chloride systems are given in volume C4b."

Molecules and ions in the gas phase or as matrix-isolated species comprise the first section of Volume C4a, while subsequent sections consider the properties of chlorides in the solid state, melts, and solutions. The major portion of the volume is occupied by the descriptions of the anhydrous trichlorides.

The D Series is devoted to coordination compounds of the rare earths. Volume D1 was concerned with nitrogen donor ligands and with ligands containing both nitrogen and oxygen as donors. Volume D2 continues the discussion of such complexes. Many of the complexes are important in the analysis and separation of the rare earth. Chapters 1 and 2 deal with complexes derived from amino-alcohols and -phenols and hydroxy compounds of pyridine and quinoline, and most of Chapter 2 is devoted to 8-hydroxyquinoline and its derivatives. Schiff base complexes are discussed in Chapter 3 and azo complexes in Chapter 4. Derivatives of oximes and nitroso compounds appear in Chapter 5, and are also prominent in analyses. Chapters 6, 7, and 8 deal with complexes of respectively N-oxides; amides, hydrazides and related compounds; oxo compounds of N-heterocycles; while Chapter 9 deals with miscellaneous ligands.

Both books are published in English and have all the merits which will be well known to users of the Gmelin series.

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