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Book reviews

Gmelin Handbook of Inorganic Chemistry, 8th Edition, Organotitanium Compounds, Part 5, Springer Verlag, Berlin, 1990, 418 + xiii pages, DM 1885. ISBN 3-540-93592-4.

This volume continues the coverage of organotitanium compounds and describes the literature which appeared before the end of 1987 on di- and poly-nuclear titanium compounds. In such a heterogeneous collection of compounds, systematisation is a problem, but the Gmelin system of classifying ligands according to their denticity provides a very reasonable basis. By far the greatest number contain ⁵L ligands, such as cyclopentadienyl. Many of the compounds discussed are of unproven nuclearity, and the authors have compromised here by assuming that they are dinuclear. This is not altogether satisfactory, but is a reasonable compromise.

The book finishes with an empirical formula index and a ligand formula index, which are both designed to facilitate the search for compounds. Some of these pages are double printed in my copy, which is the first time I have detected a departure from the usual impeccable production standards in *Gmelin*. However, this is a trivial criticism. This is an excellent production and will prove invaluable to anyone working in the area.

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Directory of Graduate Research 1989, American Chemical Society, Washington, DC, 1989, xxiii + 1465 pages, US \$55.00 (U.S.A. and Canada) or US \$66.00 (elsewhere).

This new edition of this excellent Directory is greatly to be welcomed. It consists mainly of lists of members of faculty in departments of chemistry, biochemistry, chemical engineering, medicinal/pharmaceutical chemistry, clinical chemistry, and polymer science in the USA and Canada. This edition gives information on 683 academic departments, 11,938 faculty members, and 68,276 publications. For each faculty member are given the year of birth, the highest degree obtained, the main teaching field, and a list of publications that appeared in 1987–1988. For each department are given the postal address, the name of the chairman, the telephone number, and, where available, the FAX number; the last is a most valuable addition. There is an index of names of members of faculty.

The Directory is by far the best source of information on the research interests and research output of individuals and of departments as a whole in North American universities. One can amuse oneself by trying to find out which individuals and which departments publish most prolifically. In the case of individuals the person with the largest number of publications in 1987–1988 that I could find was F.A. Cotton with 131, followed by A.R. Katritzky with 90 (though I could have overlooked others with higher numbers).