

Book review

Structure and Bonding 43. Bonding Problems; ed. by J.B. Goodenough, P. Hemmerich, J.A. Ibers, C.K. Jørgensen, J.B. Neilands, D. Reinen, and R.J.P. Williams, Springer-Verlag, Berlin/Heidelberg/New York, 1981, 220 pages, DM 98.

This book is of limited interest to organometallic chemists. It comprises five chapters viz:

- (i) The Conditions for Total Symmetry Stabilizing Molecules, Atoms, Nuclei and Hadrons, by C.K. Jørgensen;
- (ii) Gas Phase Photoelec. Spectra of *d*- and *f*-Block Organometallic Compounds, by J.C. Green;
- (iii) Vibrations in Interaction with Impurities, by R. Englman;
- (iv) Actinide-Specific Sequestering Agents and Decontamination Applications, by K.N. Raymond and W.L. Smith;
- (v) Novel Structures in Iron-Sulfur Proteins, by A.V. Xavier, J.J.G. Moura and I. Moura.

The relevant item to readers of this journal is the contribution by Dr. J.C. Green (76 pages and 138 references; the latter are reasonably up to date, including some to 1980). The mode of listing references is somewhat unusual: in some cases only the first named author is cited. Dr. Green is, of course, an expert in her field, and she presents her material with clarity and detail. No doubt this work will be a useful source of reference to workers in this area. There is a considerable emphasis on π complexes. Some sections are certainly less complete than the review by A.H. Cowley, *Progr. Inorg. Chem.*, 26 (1979) 46 (291 refs.).

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