

### Book review

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*Boron Chemistry — 4*; edited by R.W. Parry and G. Kodama, Pergamon Press, Oxford — New York — Toronto — Sydney — Paris — Frankfurt, 1980, viii + 161 pages, £22.00, \$49.50.

This volume contains invited Plenary Lectures and Session lectures given at the Fourth International Meeting on Boron Chemistry — IMEBORON IV — held in Salt Lake City, Utah, during the period July 10—13, 1979.

The detailed contents are as follows: Boron Compounds: Topics, 1979, by W.N. Lipscomb (10 pages); Borane Clusters, Metal Clusters, and Catalysis, by R.W. Rudolph (12 pages); Patterns in Cluster Chemistry: Boranes as Model Systems, by K. Wade (10 pages); From Sodium Borohydride to 1,2-Dicarba-closo-dodecarboranes, by W.E. Hill, F.A. Johnson and N.S. Hosmane (8 pages);  $\beta$ -Metallated Dicarba-closo-dodecarboranes(12), by V.I. Bregadze, V.Ts. Kampel, A.Ya. Usiatinsky and N.N. Godovikov (8 pages); Some Aspects of Organoborate Chemistry by A. Pelter (24 pages); Recent Advances in the Chemistry of Pentaborane(9), by D.F. Gaines (8 pages); Syntheses and Reactions of Cyclic Diboraethene, by W. Siebert (14 pages); Some Physical and Chemical Consequences of the Iron Tricarbonyl Fragment in Borane Cages by T.P. Fehlner (14 pages); Preparative and Mechanistic Studies on Simple and Heterocyclic Boron Compounds, by H. Nöth (10 pages); Syntheses and Biological Activity of Boron Analogues of the  $\alpha$ -Amino Acids and Related Compounds, by B.F. Spielvogel (12 pages); "Non-Classical" Carbocations, Isoelectronic and Isostructural Carbon Copies of Polyboranes: Conservation of Chemical Shift, by R.E. Williams and L.D. Field (22 pages); Boron Hydrides: Perspective and Prospect, by A.B. Burg (9 pages).

It will be evident that a significant cross section of the current leaders in the field are represented in this volume. The contribution by one of the veterans and pioneers, Professor Anton Burg, makes especially interesting reading in that he provides a highly personal and brief historical survey of one area of this chemistry in an inimitable and racy fashion.

The book is attractively bound in hard cover, but as usual the printing is by photoreproduction from typed manuscript as submitted by the various authors.

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