

Also, since the approach is more typical of the organic chemists, one wishes for the unifying concepts of the physical chemists or for carry-over of the new structural data on inorganic boron-oxygen compounds. To some extent, this is not the fault of the author, but rather it stems from the lack of appropriate data in the journal and patent literature.

In many cases, Dr. Steinberg has tried to make a distinction between what is speculation and what is proven in the literature and in general this reviewer agrees with his conclusions. The number of typographical and scientific errors is very small for a book of this size.

The book is one which should be available in chemical libraries, since its primary usefulness will be for reference purposes. Only a few chemists will need it for their personal collection of books.

METCALF RESEARCH LABORATORIES  
BROWN UNIVERSITY  
PROVIDENCE, RHODE ISLAND

JOHN O. EDWARDS

### BOOKS RECEIVED

October, 1964

H. EYRING, Editor. "Annual Review of Physical Chemistry." Annual Reviews, Inc., Palo Alto, Calif. 1964. vii + 577 pp. \$8.50.

ROY M. ADAMS, Editor. "Boron, Metallo-Boron Compounds and Boranes." John Wiley and Sons, Inc., 605 Third Ave., New York, N. Y. 1964. xxiii + 765 pp. \$27.50.

ROBERT M. GOULD, Editor. "Patents for Chemical Inventions." Advances in Chemistry Series, No. 46. American Chemical Society, Washington, D. C. 1964. viii + 117 pp. \$4.

ALEXANDER NEWTON WINCHELL and HORACE WINCHELL. "The Microscopical Characters of Artificial Inorganic Substances: Optical Properties of Artificial Minerals." Academic Press Inc., 111 Fifth Ave., New York, N. Y. 1964. xiii + 439 pp. \$14.50.

C. B. AMPHLETT. "Inorganic Ion-Exchange Materials." Topics in Inorganic and General Chemistry, Volume 2. American Elsevier Publishing Co., Inc., 52 Vanderbilt Ave., New York 17, N. Y. 1964. x + 141 pp. \$6.50.

M. JACOB and G. F. CHEW. "Strong-Interaction Physics." W. A. Benjamin, Inc., 1 Park Ave., New York, N. Y. 1964. xi + 154 pp. Clothbound, \$9; paperback, \$4.95.

FRED BASOLO and RONALD JOHNSON. "Coordination Chemistry." W. A. Benjamin, Inc., 1 Park Ave., New York, N. Y. 1964. xii + 180 pp. Clothbound, \$3.95; paperback, \$1.95.

H. J. EMELÉUS and A. G. SHARPE, Editors. "Advances in Inorganic Chemistry and Radiochemistry. Volume 6." Academic Press Inc., 111 Fifth Ave., New York, N. Y. 1964. ix + 530 pp. \$16.

## Additions and Corrections

1962, Volume 1

G. W. Watt, L. E. Sharif, and E. P. Helvenston: Iridium Complexes of the Type  $[\text{Ir}^{n+}(\text{en}-x\text{H})_y]^{(n-yx)+}$ .

Page 7. In column 2, line 1 of the last paragraph, 0.5347 should read 1.5347.—G. W. WATT

1963, Volume 2

Fred E. Saalfeld and Harry J. Svec: The Mass Spectra of Volatile Hydrides. I. The Monoelemental Hydrides of the Group IVB and VB Elements.

Page 48. In Table III, the appearance potentials of  $\text{PH}_3^+$  and  $\text{PH}_2^+$  should be 10.5 and 13.4 e.v., respectively, not 11.5 and 14.4 e.v.

Page 49. In Table VI, the bond energy of  $\text{PH}^+-\text{H}$  should be 3.0 e.v., not 2.0 e.v.—HARRY J. SVEC

Fred E. Saalfeld and Harry J. Svec: The Mass Spectra of Volatile Hydrides. II. Some Higher Hydrides of the Group IVB and VB Elements.

Page 53. In Table IV, the heat of formation of  $\text{P}_2\text{H}_4$  should be 6.9 kcal. mole<sup>-1</sup>, not 9.9 kcal. mole<sup>-1</sup>.—HARRY J. SVEC

1964, Volume 3

R. J. Woodruff, James L. Marini, and J. P. Fackler, Jr.: The Reaction Product of Bis(2,4-pentanediono)titanium(IV) Dichloride with Anhydrous Iron(III) Chloride.

Page 688. In Fig. 1, spectra a and b are mislabeled; the a and b labels should be exchanged.—J. P. FACKLER, JR.