

while perchlorosilanes are known to Si_{25} , perchloromethanes are stable only to C_4 . One might guess that the Si-F bond energy is greater than the Si-O bond energy from the action of fluorinating agents on glass, and thermochemical work on the subject seems to bear this out. In discussing the mechanism of the Rochow reaction, it is an error to elevate the Cu-Grignard hypothesis for explaining the catalysis by copper (which was disproved early) to a position of equality with the elegant work of Hurd and Rochow, and to neglect entirely the work by Professor Bazant's school in Prague. It is difficult to fault the authors throughout the bulk of the book since so much of the work discussed is based upon observations which the authors themselves have personally made in their own laboratories. It is perhaps surprising that the organosiloxanes are excluded and that Si-N compounds do not find their place here despite the active research on silazane polymers going on today.

Is it worth the \$22.50 price tag? We have had K. A. Andrianov's "Organosilicon Compounds" (1958) translated for us by the Air Force at half the price, but that book had little effect in organosilicon circles here (perhaps because not even the *Journal of the American Chemical Society* could obtain a review copy, but this is the least of the reasons *satis dictum*). The book under review is on a different plane altogether—balanced, judicious, and written with the sure hand of actual detailed experience in the laboratory. It offers insights which can somehow never find their expression in the experimental section of journal articles, and its 126 pages of tables of physical properties and over 1800

literature citations will make it a valuable reference source. It is a great pity, though, that the decision to make the book available to English-speaking readers could not have been made sooner after the appearance of the Russian edition (1961). Coverage is limited to early 1960, so that the translation is almost 4 years behind at the date of publication.

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BOOKS RECEIVED

August, 1964

- G. PATRIARCHE. "Contribution A L'Analyse Coulometrique." Editions Arscia S.A., 60 rue de l'Etuve, Bruxelles, Belgium. 1964. 218 pp. 420 Belgian francs.
- H. S. GREEN and C. A. HURST. "Order-Disorder Phenomena." John Wiley and Sons, Inc., 605 Third Ave., New York, N. Y. 1964. x + 363 pp. \$15.
- MARTIN GRAYSON and EDWARD J. GRIFFITH, Editors. "Topics in Phosphorus Chemistry." Volume 1. John Wiley and Sons, Inc., 605 Third Ave., New York, N. Y. 1964. vii + 262 pp. \$12.