

Autoxidation of Hydrocarbons. LEO REICH and SALVATORE S. STIVALA, Eds. Marcel Dekker, Inc., New York, January 1969. 527 pp. \$29.95.

This book is on a subject of great practical importance to chemists and chemical technologists as well as being a subject of much theoretical interest. I am impressed by the high quality of the book, which covers a very broad area in a scholarly fashion. Chapter 7 presents two approaches to the question of the termination step in polymers. Although the authors favor one approach and the reviewer another, the facts are presented with sufficient objectivity so that the reader should benefit from the consideration of all the evidence pro and contra each approach. Chapters on metal catalyzed oxidations, weak chemi-luminescence during hydrocarbon autoxidation add very important dimensions to the problem of hydrocarbon oxidation. This book is highly recommended.

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