

BOOK REVIEW

Survey of Progress in Chemistry, Vol. 10. Edited by GENE G. WUBBELS. Academic Press, New York, 1983. 266 pp. \$47.50.

The latest addition (Vol. 10) to this continuing series of books is now available. Over half of the book (128 pp.) is devoted to subject matter of keen interest to catalytic chemists. These include a chapter by W. H. Weinberg entitled "Catalysis from the Point of View of Surface Chemistry" and a chapter by E. L. Muetterties and R. M. Wexler entitled "Metal Clusters and Metal Surfaces." In the former, the hydrogenation and/or hydrogenolysis of cyclopropane and cyclohexane (and some other paraffins) over supported transition metals and on the surfaces of single crystals are reviewed. Reactions over Ir, Ru, Ni, and Pt are con-

sidered in light of related studies of the adsorption of H₂ and the interaction of adsorbed hydrogen and cyclopropane. In the latter contribution, Muetterties and Wexler collect together data for a number of metallic cluster compounds and compare their properties with those of the corresponding metals. The nature and bonding of various ligands are described. An extraordinarily good job of bringing this subject matter up to date has been done in both chapters. It is recommended for your library.

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