

BOOK REVIEW

Organic Photochemistry, Vol. 2; edited by O. L. Chapman, New York, Dekker, 1969, xiv + 230 pages, \$13.75.

This volume contains articles on Photosensitization by Energy Transfer (N. J. Turro, J. C. Dalton, and D. S. Weiss), Photodimerisations (D. J. Trecker), Photochemistry of Heteroaromatic Nitrogen Compounds (P. Beak and W. R. Messer), and Photochemical Additions to Multiple Bonds (D. Elad). Organometallic chemistry is involved only in the last article, which includes very brief accounts of additions of phosphorus compounds and of silicon and germanium hydrides to olefins; there is no mention of the fact that the hydrosilylation can be catalysed by light which is not absorbed by either the olefin or the silicon hydride, a feature which implies that the initial step is unlikely to be photodissociation of the Si-H bond, as it is represented to be; initiation is presumably actually brought about by photodecomposition of peroxides or other radical-producing impurities.

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