

Book review

Topics in Sulfur Chemistry, Vol. 3; edited by A. Senning and D.S. Magee, Georg Thieme Verlag, Stuttgart, 1977, vii + 128 pages (paperback), DM 58.

This volume contains three interesting reviews, each dealing with a different topic. The first, "Sulfur Containing Polymers", by E.J. Goethals lists 429 references and constitutes an excellent survey of organic sulfur polymers. References up to 1976 are included. This chapter can serve as a convenient introduction to newcomers in the field. The second chapter, by G.V. Moss and D.A. Nole, deals with "The Use of Sulfur and Sulfur-Containing Compounds in Energy Conversion Devices". On 36 pages, 144 references are reviewed, and a four page glossary covers everything from the lead-acid battery to the most advanced solar cells and bulk energy storage devices. Ten carefully selected figures greatly aid the reader in finding quick access to an important field of sulfur chemistry. The third and final chapter by G.H. Schmid describes Thiiranium and Thiirenium ions. On 16 pages 49 references are used to explain the importance of these cyclic cations as reaction intermediates, especially in addition reactions of arene- and alkane-sulfonyl chlorides to alkenes and alkynes. This useful, soft-cover volume is carefully produced and will find many interested readers. This review series is a valuable addition to all institutional libraries. For the individual buyer it would be desirable if the volumes were grouped according to interest areas so that he could purchase a volume in which all chapters are related to his area of interest.

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