

between the original carbon-sulphur bond and the newly created carbon-carbon bond, as in (14).³ The recently described stereospecific procedure for conversion of allylic alcohols into allylic halides adds further generality to this method.⁷

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² J. E. Baldwin, J. De Bernardis, and J. E. Patrick, *Tetrahedron Letters*, 1970, 570; V. Rautenstrauch, *Chem. Comm.*, 1970, 4; C. W. Ashbrook, J. E. Baldwin, and G. V. Kaiser, *J. Amer. Chem. Soc.*, 1971, **93**, 2342; D. A. Evans, G. C. Andrews, and C. L. Sims, *ibid.*, p. 4956.

³ J. E. Baldwin and J. E. Patrick, *J. Amer. Chem. Soc.*, 1971, **93**, 3556. These workers demonstrated that the 2,3-sigmatropic process is clearly suprafacial with respect to the allylic unit.

⁴ J. E. Baldwin, J. E. Brown, and G. Höfle, *J. Amer. Chem. Soc.*, 1971, **93**, 788.

⁵ U. Schöllkopf and E. Wiskott, *Annalen*, 1966, **694**, 44.

⁶ W. E. Parham and S. H. Groen, *J. Org. Chem.*, 1966, **31**, 1694. We thank Dr. J. E. Brown for this sample.

⁷ G. Stork, P. R. Grieco, and M. Gregson, *Tetrahedron Letters*, 1969, 1393.