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## Phosphorus, Sulfur, and Silicon and the Related Elements

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## A Simple Synthesis of New Phosphaalkenes

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## A SIMPLE SYNTHESIS OF NEW PHOSPHAALKENES

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Upon treatment of phosphanylsubstituted phosphorus ylides like 1a-c with two equivalents BF3 \*OEt2 the compounds 2a-d are obtained almost quantitatively. In them a phosphoniumand a phosphenium ion compete for the electron density at the bridgeing carbon atom. A X-ray analysis of 2a and the reactivity of transient 3a,b so far studied reveal the olefinic character corresponding to phosphonium substituted phosphaalkenes.