Tandem Enantioselective Zinc-Promoted Reaction

**Significance:** In a one-pot operation, two stereo-centers and three new bonds were created with high selectivity. The reaction proceeds through a sequence of asymmetric alkynylation of an acyl silane, tandem Brook-type rearrangement, ene-allene cyclization, addition of an electrophile, and finally oxidation. It will be extremely useful in organic synthesis, and it is a new approach to synthetic transformations.

**Comment:** Quantum mechanical calculations show that this method passes through an allenyl Zn-Brook rearrangement and that this transformation bypasses the intermediate derived from the classic [1,2]-Brook rearrangement. This important finding nicely rationalizes the observation that the rearrangement proceeds without racemization.