Enantioselective Simmons–Smith Cyclopropanation: The Charette Modification

**Significance:** In the paper, Charette and Juteau described a route towards enantiopure cyclopropanes using a chiral amphoteric bifunctional ligand. This was the first report that enabled efficient chiral cyclopropane synthesis without reliance on covalently bonded chiral auxiliaries.

**Comment:** This modification tolerates various functional groups and is highly enantioselective. The chiral ligand could also be recovered through an aqueous extraction at the end of the reaction.