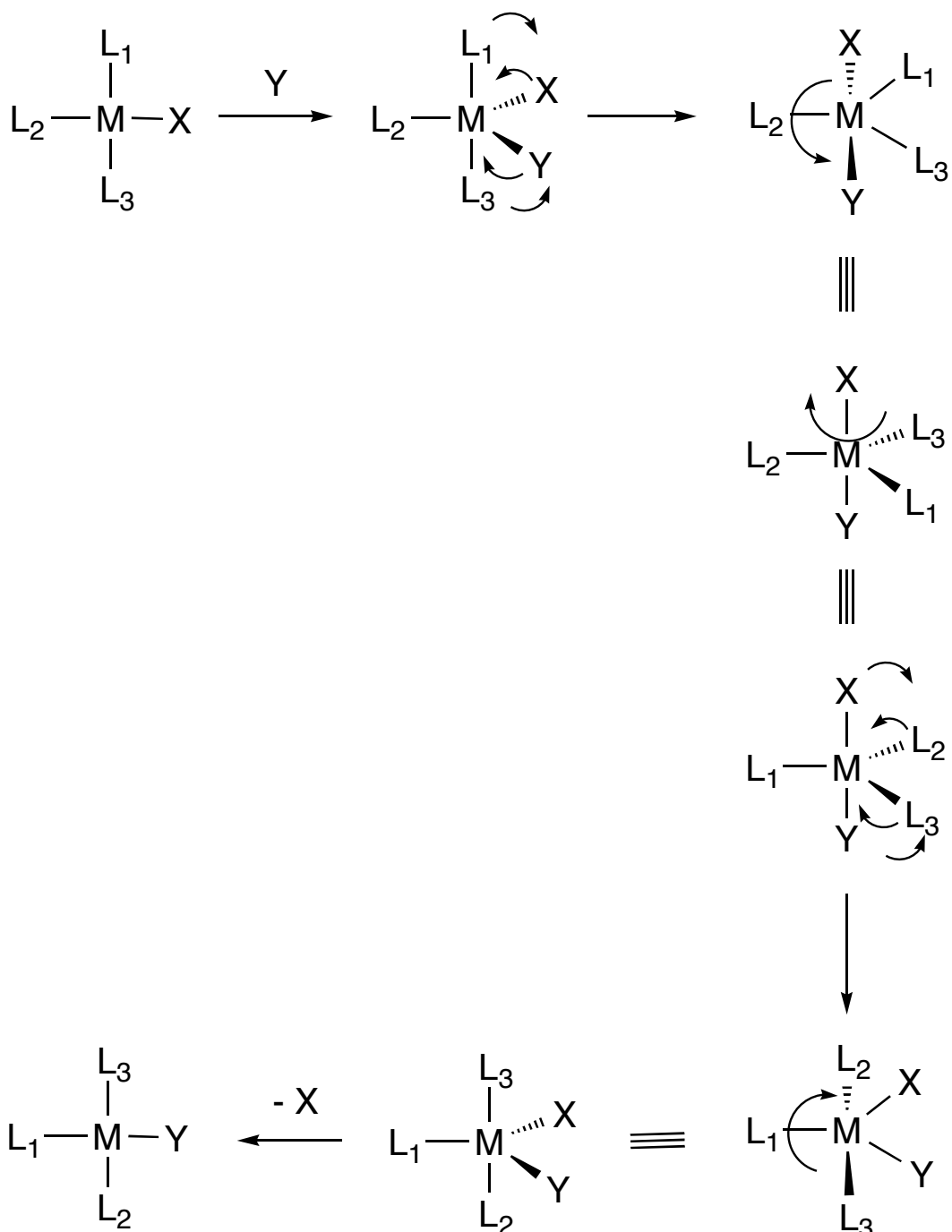


# Geometric isomerization via pseudorotation



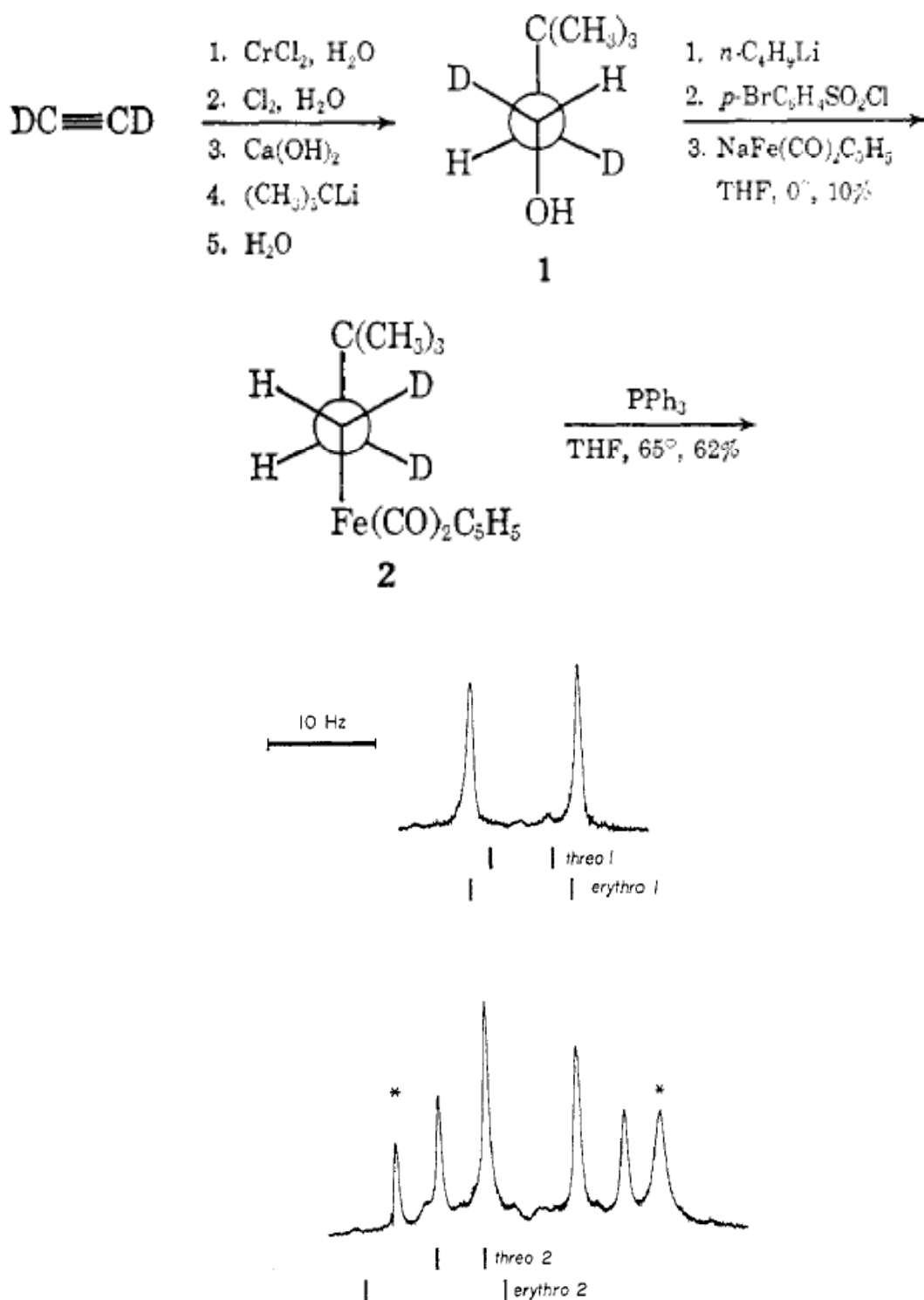
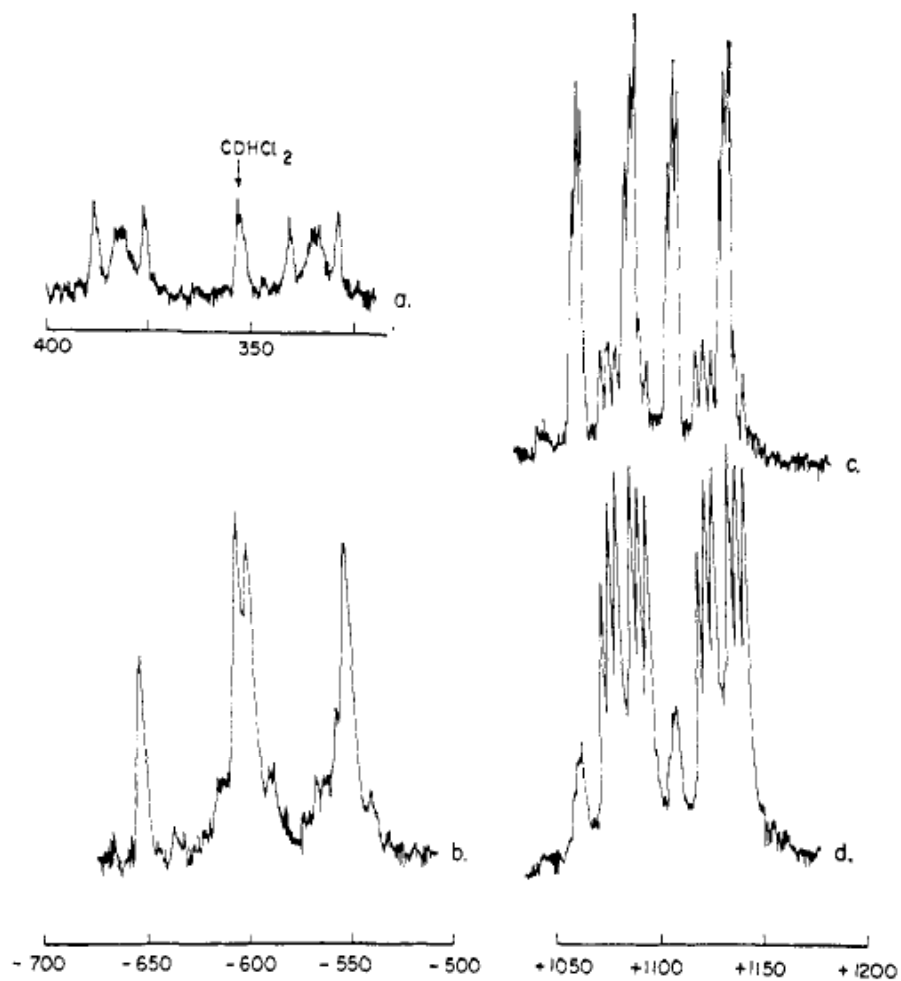
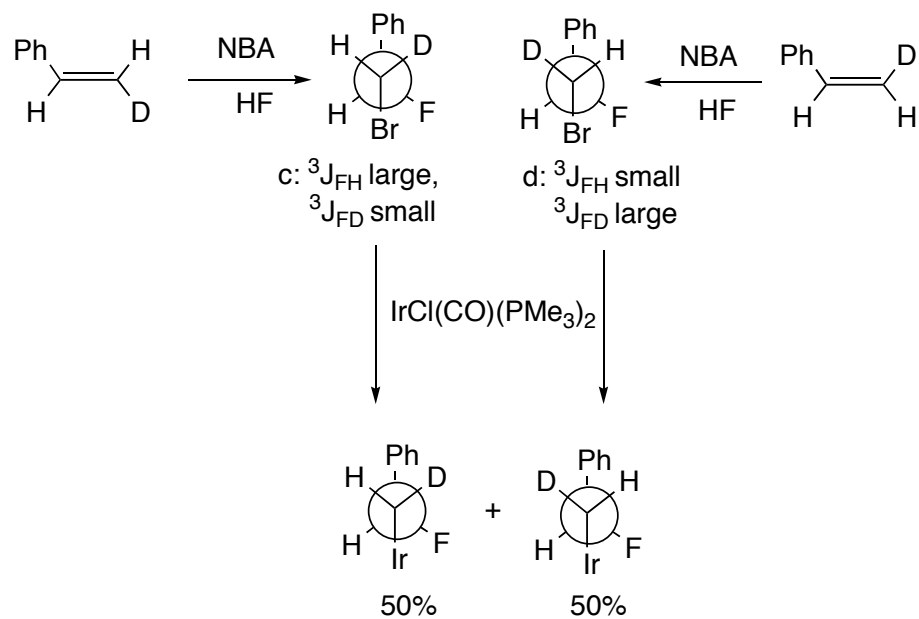


Figure 1. Deuterium-decoupled 100-MHz nmr spectra of the  $-\text{CHDOH}$  proton of **1**, the  $-\text{CHDCHD}-$  protons of **2**, and the Whitesides, JACS 1969, 91, 4313



Labinger & Osborn, JACS 1972, 94, 4043

### References mentioned in class

$^{13}\text{C}$ O NMR of  $\text{Fe}(\text{CO})_5$ : Cotton, J. Chem. Phys. **1958**, *29*, 1427.

Oxidative addition patterns of  $\text{IrCl}(\text{CO})\text{L}_2$ : Vaska, JACS **1961**, *83*, 2784; JACS **1962**, *84*, 679.

Cobaloxime reactions. Schrauzer, JACS **1969**, *91*, 3341.

Inversion with  $\text{Fp}^-$ : Whitesides, JACS **1969**, *91*, 4313.

Radicals with  $\text{Fp}^-$ : San Filippo, JACS **1977**, *99*, 250.

$[\text{Co}(\text{CN})_5]^{3-}$  with RX: Halpern, JACS **1969**, *91*, 582.

$\text{IrCl}(\text{CO})\text{L}_2$  with MeI: Halpern, JACS **1966**, *88*, 3511.

$\text{IrCl}(\text{CO})\text{L}_2$  with bromopropionate: Pearson, JACS **1970**, *92*, 5519.

$\text{IrCl}(\text{CO})\text{L}_2$  with RX, radical mech: Labinger & Osborn, Inorg. Chem. **1980**, *19*, 3230, 3236.

$\text{PdL}_3$  with benzyl halide: Stille, JACS **1975**, *100*, 838, 845.