Plate 6

Photomicrographs of silicified Ogallala from Texas, Colorado, and South Dakota.

**Fig. 1**—Fine-grained quartzite showing opaline and chalcedonic cement from near Midland, Texas; plane polarized light, X 25.

**Fig. 2**—Same as 1; crossed nicols, X 25.

**Fig. 3**—Fine-grained Ogallala quartzite from southwest of Canyon, Texas; plane polarized light, X 25.

**Fig. 4**—Chert from near Beecher Island, Colorado; plane polarized light, X 25.

**Fig. 5**—Quartzite from the southeast edge of Dallas, Gregory County, South Dakota; plane polarized light, X 25.

Silicified Rock in the Ogallala Formation, by John C. Frye and Ada Swineford
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