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Trichomes, several layers thick, on the surface of a leaf of Lesquerella ovalifolia, 
a species of the mustard family (Cruciferae) (× 44). Each highly branched trichome is 
a single dead cell that matures early in leaf development. The dense layer of trichomes 
is highly refractive, and the leaf is silvery in appearance. Lesquerella ovalifolia grows 
in arid areas in southeastern Colorado, western Kansas and Oklahoma, and north-
western Texas. [Courtesy Reed C. Rollins]