

stem and small heads. A form common in Missouri and found also elsewhere has all its radical leaves pinnatifid with very obtuse segments. Certain Indiana specimens have filiform bracts scattered along the peduncles. Several other forms have been noted, but with our present herbarium material it seems inadvisable to attempt to segregate any of these forms either specifically or subspecifically. The two species separated here have constant and well-marked characters.

5. *Cynthia viridis* sp. nov.

A perennial plant 30 cm. high or less, with rather coarse, almost fleshy roots; leaves ascending or spreading, thin, bright green, oblong to elliptical or oblanceolate, acutish, attenuate into a slender winged petiole, entire or remotely and shallowly dentate, about 10 cm. long; stems with one or two ovate-lanceolate clasping, bract-like leaves at about their middle; rising from their axils two or several long, slender peduncles, these glandular-hispid just below the heads; involucral bracts 8 or 9 mm. long, the heads about 18 mm. high; achenes light or dark brown, cylindrical, striate, the tawny bristles of the inner pappus twice as long; outer row of pappus of minute, linear scales visible only under a strong lens.

Type in the National Herbarium, no. 498744, collected near Cowles, in the Pecos River National Forest, San Miguel County, New Mexico, altitude about 2,400 meters, July 11, 1908, by Paul C. Standley (no. 4418). The plant was rare in the region, and only a few individuals were found at this station. They grew on a steep hillside under pine trees. On August 1 it was re-collected at Harvey's Upper Ranch, about 20 miles to the southeast, at an altitude of about 2,900 meters (*Standley* 4644). This southwestern plant seems amply distinct from *C. virginica* in its green leaves and more slender habit. Between the mountains of New Mexico and the eastern part of Kansas there intervenes a large area in which no representative of the genus seems to occur.

Other specimens examined:

NEW MEXICO: Upper Pecos River, July, 1904, *Mrs. W. H. Bartlett*; West Fork of the Gila, in the Mogollon Mountains, Socorro County, 1903, *O. B. Metcalfe* 578; Las Vegas Hot Springs, August, *F. H. Snow*; Fresno, July 21, 1899, *E. O. Wooton*; Gallinas Planting Station, August, 1908, *Mrs. W. H. Bartlett*.
ARIZONA: Willow Spring, 1890, *Dr. Edward Palmer* 539.