

**Stephanomeria Mexiae** n. sp. No. 2506a, Baruschi<sup>1</sup> north of Minaco Chihuahua Mex., in dry washes. Flowers purple. Plants 1 to 2 ft. high, erect from an erect and tuberous root, inclined to be woody below, with several simple stems from the root. Leaves rosulate below, linear-oblongate, gash-toothed, floccose-woolly with deciduous wool. Stem leaves linear, not over 1 inch long, entire, reduced above to very small bracts. Plants racemously branched above, with few large heads on slender peduncles. Bracts at base of heads linear; involucrel ones 6 to 10 mm. long, smooth, hyaline on the margins. Stamen tube elongated, hyaline. Styles black or dark red. Pappus plumose to base, not chaffy below. Akenes linear, truncate, smooth. Styles linear and quite broad and yellow.

*Tithonia tubæformis* Cass. No. 27705, La Barranca Guadalajara, Nov. 23 1930. Plants annual and with the habit of *Helianthus annuus* and possessing the cultivated fields in the same way, 4-6 ft. high, racemously branched and ending in single, large and long-peduncled heads. Leaves ovate to triangular-ovate, acuminate, coarse, 3-nerved, on stout petioles about 1 cm. long, somewhat margined. Leaves crenulate, ashy with short white hairs from a pustulate base, darker above, with the young parts silvery-silky with fine white hairs 5 mm. long. Heads 1-1.5 mm. wide, and wider than high with convex receptacle. Proper bracts in a single series, or with an intermediate series of narrower ones within which are not acerose as are the disk ones, all bracts strongly many-ribbed, oblong, 1 cm. long, acutish, appressed except at very tips, ashy-hairy as are the leaves, but pubescence longer. Chaff on receptacle linear, convex, nearly smooth, acuminate into a very stout and spinose beak 2 mm. longer than the flowers. Rays 1-2 inches long, light-yellow, about 1 cm. wide, veined, from abortive, flat, and slightly winged ovaries, and without pappus, and smooth except for some cobwebby hairs. Disk akenes black, smooth, angled truncate, linear, about as long as corollas, crowned by a row of minute and lacerate scales, and often with 4 awns from winged bases, but very deciduous.

*Bidens pedata* Brandg. No. 27779. On trail down the Laguna on cliffs. Sept. 24 1930. A tufted and erect shrub 2 ft. high, with innumerable filiform, dissected and smooth leaves 2-3 inches long. Stems produced into long and peduncle-like and simple floral peduncles about a foot long, ending in 1-2 rudimentary leaves and a few cymosely arranged heads on filiform pedicels 1-2 inches long. Heads  $\frac{1}{2}$  inch wide, with few short orange rays. Akenes with 2 coarsely and retrorsely barbed awns and no crown. Not at all fleshy. It belongs in the Seemani group.