

glabrous; stems single, much branched, lower leaves 2-3' long, runcinately toothed, upper ones reduced to subulate entire or 2-4-toothed bracts; heads 5-7-flowered, solitary on the ends of the branchlets; proper involucral scales 5-7, 4-5" long; achenia 5-costate, smooth; pappus of about 15 distinct setæ, plumose nearly or quite to the base.—Oregon and California to Arizona, New Mexico and Colorado; Carrington Island, Great Salt Lake, (Stansbury.) Near Humboldt Lake, Nevada, (W. W. Bailey,) and on a ridge in Bear River Valley, near Evanston, Utah; 4-6,000 feet elevation; July, August. (698.)

STEPHANOMERIA MYRIOCLADA. Caudex woody, bearing innumerable densely crowded slender branching stems 8-12' long; primary leaves not seen, those of the branchlets linear-spatulate, acute, entire or runcinately toothed, passing into subulate bracts; heads terminal on slender branchlets, 3-flowered, 2½-3" long; scales of the slender involucre 3, bristles as many; achenia oblong-linear, 5-angled and with two less prominent striæ on each face, not tubercled; pappus of 14-17 distinct setæ, plumose to the base.—Plant forming a dense hemispherical tuft about a foot high, the branches irregularly dichotomous. On dry rocky ridges in Thousand Spring and Goose Creek Valleys, Nevada; 6-6,500 feet elevation; September. PLATE XX. Fig 1. Portion of a plant; natural size. Fig. 2. A flower; magnified four diameters. Figs. 3 and 4. Mature achenium and seta; magnified twelve diameters. (699.)

STEPHANOMERIA PANICULATA, Nutt. Annual, glabrous; stem 2-3° high, erect, striate; cauline leaves linear, 2-3' long, 1" wide, entire, or the lower ones with a few small teeth near the base; heads 3" long, 5-7-flowered, nearly sessile along the straight diverging paniculate branches; involucre of 5-8 scales and several minute bractlets; achenia oblong-clavate, slightly one-sided, rugose-tuberculate between the 5 longitudinal undulate ridges; pappus of about 25 slightly unequal distinct setæ, plumose to the base.—Colorado to California. West Humboldt Mountains, Nevada, and on Promontory Point, and near Salt Lake City, Utah; 4,300-5,000 feet elevation; May-September. PLATE XX. Fig. 5. Mature achenium; magnified twelve diameters; the tubercles are sometimes more decidedly in a double row between the ridges. (700.)

STEPHANOMERIA EXIGUA, Nutt.! (*Hemiptilium Bigelovii*, Gray! *Bot. Mex. Boundary*, 105.) Annual, glabrous; stems 1-2° high, diffusely much branched, the branches very slender; lower leaves linear, with a few subulate



1-4. STEPHANOMERIA MYRICOCLADA.

5. S. PANICULATA.

6-7. S. EXIGUA.

8-10. S. PENTACHAETA.

11-18. GLYPTOPLEURA MARGINATA.