

Leaves of primary rosettes linear-oblongate, glabrous, mostly 10-12 cm long, 0.3-0.5 cm wide, weakly nervate, minutely white punctate, the margins entire, the apices acute to obtuse. Heads single on naked scapes 14-22 cm long, the upper portion of peduncle, just below the heads, arcuate to reflexed. Involucres turbinate, 9-10 mm high, the bracts 2-3 seriate, linear-lanceolate, glabrous, the apices obtuse to acute, usually purplish. Receptacles paleate, the pales linear-lanceolate, scarious. Florets ca. 15 per head, the corollas pale pink (dried), the ligules 6-8 mm long. Achenes (immature) ca. 4 mm long, glabrous, seemingly somewhat beaked for ca. 1.5 mm; pappus of ca. 40 tawny uniseriate very weakly barbellate bristles 4-5 mm long.

*Pinaropappus pattersonii* is obviously closely related to *P. pooleanus* but can be readily distinguished by its taller habit, larger, unlobed leaves, recurved heads, and lower, lateral stems which are markedly arcuate stoloniferous.

It is a pleasure to name this species for its only known collector, Mr. Thomas J. Patterson, graduate student in Botany, University of Texas, Austin, who has collected extensively in the area concerned.

***Pinaropappus pooleanus* B. Turner, *sp. nov.* TYPE: MEXICO. Chihuahua: Mpio. Ocampo, area of Cascada de Basaseachic at the confluence of Río Basaseachic and Río Durazno, ca. 1.2 km S of village of Basaseachic (28° 02' N, 107° 55' W), "abundant on wet cliff faces directly below falls with *Erigeron basaseachensis*; also in crevices at top of falls," ca. 1800 m, 27 Apr 1986, *Guy Nesom 5444*, with R. Spellenberg, R.D. Corral *et al.* (HOLOTYPE: TEX!; Isotypes: MEXU,US).**

*Pinaropappo pattersonii* B. Turner *similis sed plantis nanis absque stolonibus et pedunculis brevioribus (3-6 cm longis vs. 14-22 cm) non recurvatis infra capitula differt.*

Dwarf acaulescent glabrous cliff dwelling herbs 2-10 cm high, arising from relatively slender rhizomes. Lower stems apparently not producing lateral aerial stolons. Leaves mostly 30-60 mm long, 1.5-7.5 mm wide, linear-oblongate, glabrous, the margins entire or with 2-5 deltoid lobes, the apices mostly acute. Heads single on naked scapes 2-10 cm high, the peduncles not recurved or reflexed apically. Involucres turbinate, 9-10 mm high, the bracts 2-3 seriate, linear-lanceolate, the apices mostly obtuse or rounded, rarely acute, usually rosy tinged. Receptacle paleate. Florets 10-15 per head, the ligules 8-10 mm long, white with purple midstripes beneath. Achenes (immature) ca. 2 mm long, glabrous, gradually tapered apically; pappus of ca. 40 tawny, uniseriate, weakly barbellate bristles 4-5 mm long.

ADDITIONAL SPECIMENS EXAMINED: MEXICO. Chihuahua: Mpio. Ocampo, Basaseachic Falls, just S of Basaseachic, ca. 0.3 km downstream from the bottom of the falls, pine-oak forest, rocky basaltic substrates, 16



May 1985, *Lavin 5405* (TEX); in canyon along Río Basaseachic leading to the falls, crevices in rock at edge of cliffs at top of falls, ca. 1800 m, 1 Aug 1988, *Spellenberg et al. 9606* (TEX).

This material was first recognized as distinctive by Ms. Jackie Poole through the several collections cited above, all of which she examined and provided an unpublished name for. Since she has long been a consummate scholar of the group, having worked with the genus in the field and in the herbarium, beginning when she was Curator of the Plant Resources Center collections (LL,TEX), I take much satisfaction in naming the taxon in her honor. She is currently working for the Texas Parks and Wildlife in Austin, Texas, in their program for the preservation of endangered plant taxa.

#### ACKNOWLEDGMENTS

I am grateful to Guy Nesom for the Latin diagnoses and to him and T.P. Ramamoorthy for reviewing the manuscript.