

**A NEW SPECIES OF *PERYMENIUM* (ASTERACEAE, HELIANTHEAE) FROM  
JALISCO, MEXICO**

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**ABSTRACT**

A new species of *Perymenium*, *P. huentitanum* B.L. Turner, is described and illustrated from near Guadalajara, Jalisco, México. It is believed to be closely related to a cluster of recently described suffruticose herbs of northeastern México, namely *P. hintoniorum* B.L. Turner and *P. tamaulipense* B.L. Turner.

**KEY WORDS:** Asteraceae, Heliantheae, *Perymenium*, México, Jalisco

Routine identification of Mexican Asteraceae has revealed the following novelty.

***Perymenium huentitanum*** B.L. Turner, *sp. nov.*, Figure 1. TYPE: MEXICO. Jalisco: Mpio. Guadalajara, Barranca de Huentitán, ca. 492 m, 31 Aug 1992, S. Guerrero A. & G. Perea G. 411 (HOLOTYPE: TEX!; Isotype: IGE).

*Perymenio tamaulipensi* B.L. Turner similis sed capitulis anguste campanulatis (vs. hemisphaericis), involucris bracteis interioribus flavi-scariosis apicibus acutis (vs. viridibus apicibus rotundatis), et flosculis radii 5-6 (vs. 10-11) differt.

Mostly unbranched stiffly erect suffruticose herbs 1 m high. Stems terete, moderately strigose with upturned hairs. Leaves mostly 8-14 cm long, 3-5 cm wide; petioles 0.5-1.0 cm long; blades ovate, thin, drying black, 3-nervate from the base or nearly so, moderately hispid-pilose beneath, the margins serrate with 10-15 serrations to a side, the apices narrowly acute. Heads 7-9, terminal

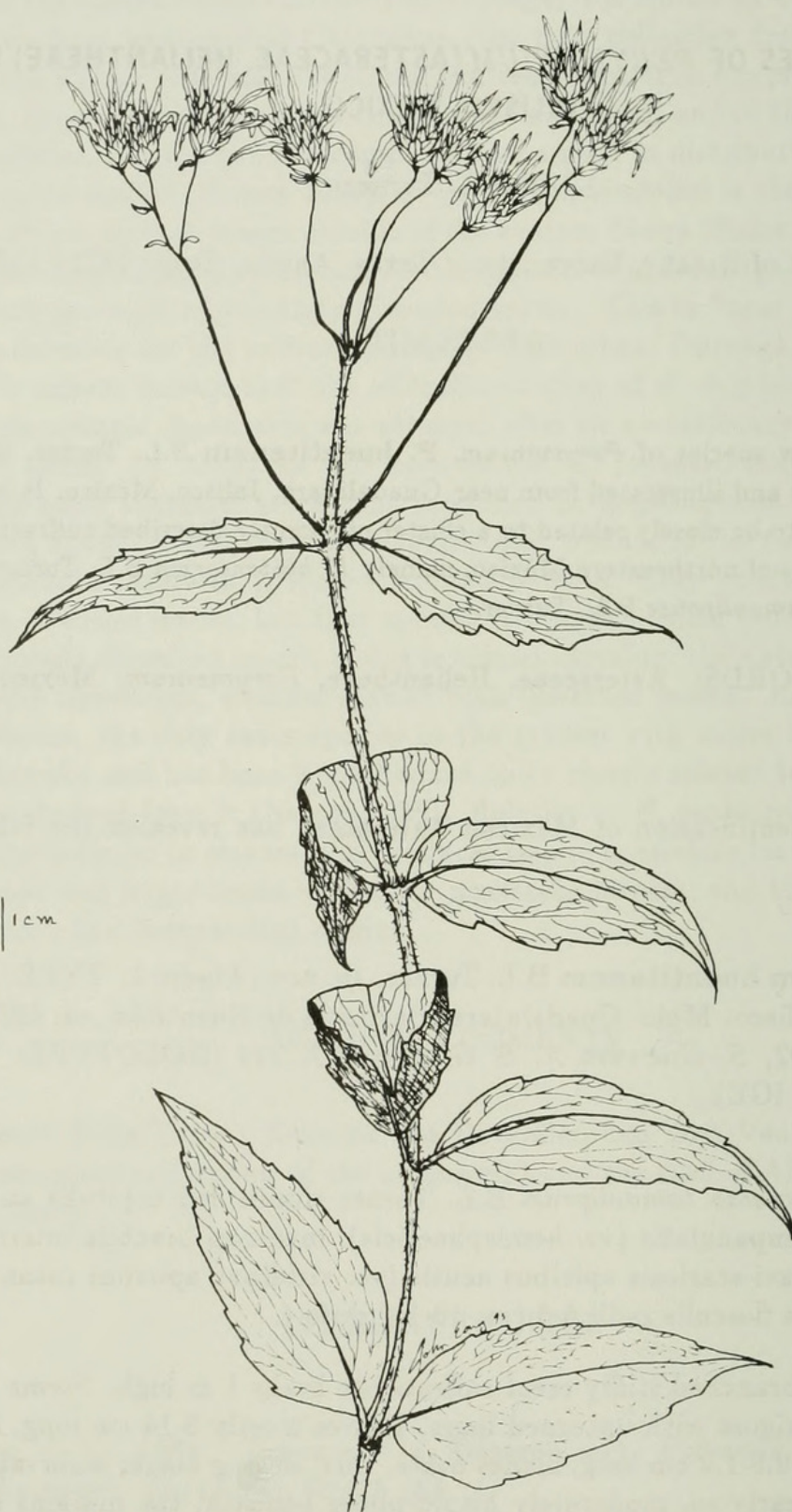


Figure 1. *Perymenium huentitanum* B.L. Turner, from holotype.



in subfasciculate terminal cymes, the ultimate peduncles mostly 1-5 cm long. Involucres campanulate, 7-8 mm high, 4-6 mm wide (pressed), the bracts 3-4 seriate, graduate, the inner bracts yellow-scarious with acute ciliate margins, these grading into the yellow linear-lanceolate persistent pales. Receptacles convex, ca. 2 mm across. Ray florets 5 or 6, pistillate, fertile, the corollas with yellow ligules 10-12 mm long, 1.5-2.5 mm wide, the apices bifid. Disk florets 12-20 per head, the corollas glabrous or nearly so, ca. 6 mm long, the tube ca. 1.5 mm long, the lobes ca. 1.5 mm long. Achenes (immature) wingless, 3.0-3.5 mm long, hispidulous; with a well defined boss off of which arise a pappus of 20-30 deciduous bristles 1-3 mm long, the shoulders of the body with 2 persistent hispid awns 0.5-1.0 mm long.

This species will not key in McVaugh's (1984) account of *Perymenium* for his *Flora Novo-Galiciana*, nor is it accounted for in Fay's (1978) revision of the genus, where it will key to or near *P. hintonii* McVaugh of Michoacán and México, the latter having spheroid heads with involucre bracts rounded apically and more numerous florets. *Perymenium huentitanum* appears closest to a series of recently described taxa from northeastern México, namely *P. tamaulipense* B.L. Turner and *P. hintoniorum* B.L. Turner, having the habit, rounded stems, capitulescence, and involucre characters of these. It differs from both in having narrowly campanulate involucres, the inner bracts yellow-scarious with acute apices.

#### ACKNOWLEDGMENTS

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