A NEW COMBINATION FOR *SARCOSTEMMA CYNANCHOIDES* VAR. *HARTWEGII* (ASCLEPIADACEAE)

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In order to validate names for a checklist of the vines of the Chihuahuan desert, a new combination for a taxon traditionally placed in *Sarcostemma* R. Br. (Correll & Johnston 1979; Kartesz 1994) is proposed. Recent cladistic analyses by Liede (1996) failed to support the monophyly of *Sarcostemma* sensu Holm (1950), instead showing support for the monophyly of genera as circumscribed by Schlechter (1914). Based on her analyses, Liede (1996) suggested, among other circumscriptions, that *Sarcostemma* be restricted to the non-campanulate Old World taxa and that *Funastrum* E. Fourn. should apply to the non-campanulate New World taxa. The taxon in question, *Sarcostemma cynanchoides* Decne. var. *hartwegii* (Vail) Shinners, was originally described as *Sarcostemma lineare* Decne. in 1840. However, the existence of an earlier homonym, *Sarcostemma lineare* Spreng., 1822, (based on a Venezuelan collection), required the use of another name for the Mexican taxon. Although once employed through widespread misapplication, Holm (1950) notes that the name *Sarcostemma heterophyllum* Torr. is unavailable for the subspecific taxon of *Sarcostemma cynanchoides* as the type (*Wright 1679*, New Mexico, USA) is *Sarcostemma crispum* Benth. Holm (1950) decided to employ the epithet "hartwegii" rather than create a new name. Thus, the name *Philibertella hartwegii* Vail—validly published in 1897, based on the same collection as the 1840 Decaisne name (*Hartweg 217*, León, Mexico)—is the appropriate basionym of the most recently used names, *Sarcostemma cynanchoides* var. *hartwegii* (Vail) Shinners and *Sarcostemma cynanchoides* ssp. *hartwegii* (Vail) R.W. Holm, as well as the proposed, new combination:

Funastrum cynanchoides (Decne.) Schltr. var. **hartwegii** (Vail) Krings, comb. nov. *Philibertella hartwegii* Vail, Bull. Torrey Bot. Club 24:308. 1897. TYPE: MEXICO. LEÓN: *Hartweg 217*, 1839 (NY). *Funastrum hartwegii* (Vail) Schltr., Repert. Spec. Nov. Regni Veg. 13:285. 1914. *Sarcostemma cynanchoides* Decne. var. *hartwegii* (Vail) Shinners, Sida 1:361. 1964. *Sarcostemma cynanchoides* Decne. ssp. *hartwegii* (Vail) R.W. Holm, Ann. Missouri Bot. Gard. 37:530. 1950. *Sarcostemma lineare* Decne. in Benth., Pl. Hartw. 25. 1840 (non Spreng. 1822).

Distribution.—*Funastrum cynanchoides* var. *hartwegii* occurs between 30–1500 m in dry, sandy, or gravelly soil in Trans-Pecos Texas, New Mexico, Arizona, and Utah, as well as the Mexican states of Baja California Norte, Baja Califonia Sur, Chihuahua, Coahuila, Durango, Guanajuato, Jalisco, Querétaro, Sinaloa, Sonora, and Zacatecas.

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