

TWO NEW ASCLEPIADS FROM THE SOUTHWESTERN UNITED STATES

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ASCLEPIAS **Ruthiae** Maguire, spec. nov. Herbae perennes; caudices multicipitales, caulibus nonnullis simplicibus suberectis 1.0–1.5 dm. altis crispo-pilosulis; folia opposita vel approximata late ovata apice aut acuminata aut abrupte mucronulata basi obtusa 2.2–4.5 cm. longa 1.5(1.0)–2.3 cm. lata, lamina sparse margine densius pilosula, petiolis 0.2–0.5 cm. longis minute pilosulis; inflorescentia aut terminalis aut lateralis umbelliformis pauciflora (2–7) sessilis, pedicellis filiformibus 1.5–2.5 cm. longis pilosulis; calycis lobi lanceolati acuti 0.2–0.3 cm. longi pilosuli violacei; corolla rotata pallide cano-violacea extus minute puberulo-papillata, lobis ovatis obtusis ca. 0.4 cm. longis patulis; staminum columna ca. 0.1 cm. alta viridula inter foliolas coronae saccata, antherae purpureae 0.15–0.23 cm. longae apicibus scariaceis obtusis integris; pollinia compresse elongato-pyriformia ca. 0.05 cm. longa; coronae foliolae saccatae ca. 0.2 cm. longae lobo dorso obtuso lobulis lateralibus obtusis longiore corniculo incluso roseo-purpureae; folliculi erecti falcate ovato-fusifformes 3–4(5) cm. longi dense pilosuli vel subglabrati.

UTAH: frequent, sandy soil, vic. water tank, Calf Springs Canyon, alt. 5000 ft., San Rafael Swell, 18 mi. southeast of Castle Dale, Emery Co., May 10, 1940, *Ruth & Bassett Maguire 18310* (Herb. Utah State Agricultural College, TYPE; Herb. Missouri Bot. Garden, ISOTYPE); Calf Spring Canyon, San Rafael Swell, June 5, 1940, *B. Maguire 18423* (Herb. Utah State Agr. Coll.; Herb. Missouri Bot. Gard.); same locality, June 7, 1940, *B. Maguire 18477* (Herb. Utah State Agr. Coll.;

Herb. Missouri Bot. Gard.); in the desert, 20 mi. south of Green River, June 8, 1939, *C. L. Porter 1799* (Rocky Mtn. Herb., Univ. Wyoming).

This is another member of the complex represented by *A. brachystephana*, *A. uncialis*, and *A. Cutleri* (cf. Woodson, Ann. Missouri Bot. Gard. **26**: 262. 1939), but is distinguished by its broadly ovate leaves and short lateral hood lobules. It



Fig. 1. *Asclepias Ruthiae* Maguire. Flower, pollinia, and hood in longitudinal section.

gives me much pleasure to dedicate it to my wife, Ruth R. Maguire, who was its discoverer and who so frequently is my helpful companion in the field.

ASCLEPIAS Sperryi Woodson, spec. nov. Herba suffrutescens ramosissima ca. 1.5 dm. alta habitu *A. macrotem* simulans; caules gracillimi suberecti compositi minutissime pilosuli vel glabrati, internodiis ca. 1.5–2.0 cm. longis; folia linearia 1–5 cm. longa ca. 0.05 cm. lata sessilia glabra; flores solitarii laterales, pedicellis ca. 1 cm. longis glabris; calycis lobi ovato-

lanceolati acuti 0.2–0.25 cm. longi papillati; corolla dilute viridula plus minusve purpureo-tincta, lobi ovato-elliptici acuti 0.5–0.6 cm. longi patuli; staminum columna vix manifesta, corona sessili; gynostegium ca. 0.3 cm. altum, antheris 0.1 cm. longis apicibus scariaceis inflexis, stigmatate depresso ca. 0.25 cm. diam.; coronae foliolae habitu flosculo *Aristolochiae* similes gilvae vel dilute roseae dense papillatae parte basali patula ca. 0.2–0.3 cm. longa involuta margine alata corniculo umbonato incluso, parte superiori erecta laminata apice 3-

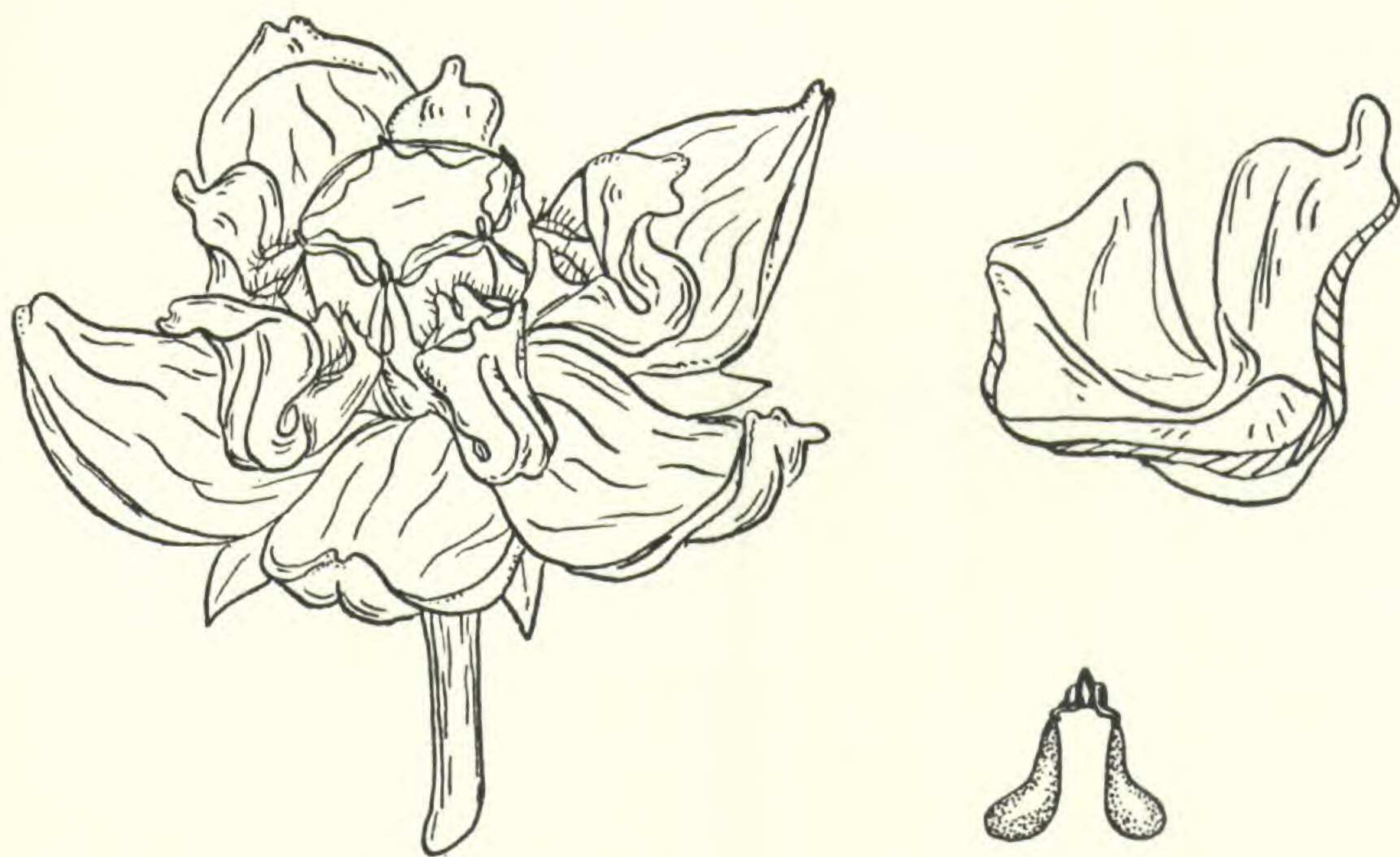


Fig. 2. *Asclepias Sperryi* Woodson. Flower, pollinia, and hood in longitudinal section.

lobulata; folliculi deflexi anguste fusiformes ca. 6 cm. longi 0.5 cm. crassi laeves glabri.

TEXAS: east of Nichols Ranch House, Glass Mountains, Brewster County, Aug. 1, 1938, *C. La Motte, O. E. Sperry, & B. H. Warnock T553* (Herb. Missouri Bot. Garden, TYPE; Herb. Sperry, ISOTYPE); about 10 miles east of Alpine, Brewster County, May 21, 1936, *Sperry T301* (Herb. Missouri Bot. Garden; Herb. Sperry).

The superficial habit of this species is almost identical to that of *A. macrotis*, but the 1-flowered cymes and peculiar form

of the corona hoods are quite exceptional in the genus as represented in North America. It has been named for Professor Omer E. Sperry because of his activity in the botany of western Texas and in appreciation for his aid to my study of *Asclepias*.