

of "occasional clumps" of *Lupinus texensis* in western Louisiana (Dormon, 1934) may have been based on plants of *L. perennis* var. *austrinus*.

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Synopsis of the Genus *Brazoria* (Labiatae)

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Little detailed and precise information is available about the many endemic flowering plants of Texas. Certain distribution patterns appear repeatedly among them, as may be seen in the maps of the species of *Lupinus* and those of *Brazoria*. Much more collecting must be done before a general account of Texas endemics can be given, but some of the more showy and easily collected ones are well enough represented by available specimens so that some account of them can be given now. Such information may offer some suggestions about future field work; it is hoped that it may also be an inducement to more such. The maps are based on specimens at the Missouri Botanical Garden, Southern Methodist University, and the University of Texas. Grateful acknowledgment is made the various curators for their courtesies.

BRAZORIA Engelm. & Gray, Boston Journ. Nat. Hist. 5: 255-256. 1845. Reprinted in *Plantae Lindheimerianae* part I, pp. 47-48. TYPE SPECIES: *B. truncata* (Benth.) Engelm. & Gray, the only one assigned to Subgenus *Eubrazoria* by the authors of the new genus. Closely related to *Physostegia*; differing in having a calyx that becomes inflated and 2-lipped in fruit.

KEY TO SPECIES

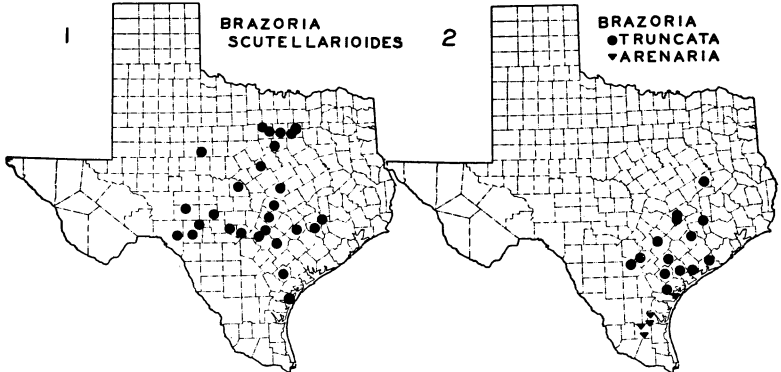
- 1a. Stem glabrous toward base; corolla 9-14 mm. long; plant of calcareous rocky or clayey soils.....1. *B. scutellarioides*
- 1b. Stem pubescent or hispidulous to base; corolla 13-28 mm. long; plant of sandy or sandy clay soils
- 2a. Stems rather evenly leafy, with 5-8 pairs of stem leaves below the inflorescence; basal leaves withering early; lower stem

leaves oblong-ob lanceolate, 0.6-1.6 cm. wide; corolla 1.8-2.8 cm. long.....2. *B. truncata*

- 2b. Stems leafy mainly at base, with 3-5 pairs of stem leaves below inflorescence; basal leaves persistent; lower stem leaves oblanceolate or oboval, 1.2-3 cm. wide; corolla 1.3-2.4 cm. long

—3. *B. arenaria*

1. *B. SCUTELLARIOIDES* Engelm. & Gray, l.c. 257 (repr. 49). 1845. TYPE: in heavy black soil on the prairies near Cat Spring, west of the Brazos [Austin County]; April, May, 1844, *Lindheimer exs. 287* (isotypes? with this number but dated 1845, Mo). Flowering chiefly April-May, as early as late March in the southern part of its range, as late as June in the northern. In addition to the Texas localities shown on the map, this species has been collected near Davis in the Arbuckle Mountains, Murray County, Oklahoma (*Hopkins 6330, Mo*).



2. *B. TRUNCATA* (Benth.) Engelm. & Gray, l.c. 256 (repr. 48). 1845. *Physostegia truncata* Benth., Lab. Gen. et Sp. 505. 1835. TYPE: Texas, *Berlandier* (not seen). Expanded description based on Drummond collections given by Hooker, Bot. Mag. 63: t. 3494. 1836. Flowering April-May. Both this species and the next sometimes have the calyx tube hispid-hirsute outside.

3. *B. ARENARIA* Lundell, *Wrightia* 1: 59-60. 1945. TYPE: south of Encino, Brooks County, *Lundell & Lundell 12766* (isotype, SMU). Flowering late March-April. Five additional collections of this recently described species may be cited. ARANSAS Co.: Aransas Refuge, *Cory 49036* (SMU). BROOKS Co.: 3¼ miles northwest of Falfurrias, *Cory 55270* (SMU). KLEBERG Co.: Kingsville, *M. E. Jones 29162* (Mo); same locality, *J. F. Sinclair s.n.*, "summer 1940" (TU); 12 miles southwest of Riviera, *Cory 55248* (SMU).