

*Salix Tracyi* Ball n. sp.

Plates 69 and 70

*Sectio Cordatae.* Frutex usque ad arbor parva 2-6 m. altus; ramulis gracilibus, minute puberulentis usque ad glabris; foliis oblanceolatis usque ad anguste obovatis, integris, tenuibus, inferne glaucis et sparse pubescentibus aut puberulentis usque ad glabris; amentis gracilibus, subpraecoquis, breviter pedunculatis, 2-4 cm. longis; squamis obovatis, obscuris, sparse pilosis; capsulis 4.5-5.5 mm. longis, glabris; pedicellis 1-2.5 mm. longis; stylis 0.2-0.4 mm. longis, integris.

A slender, graceful, sparingly caespitose, shrub or small tree, 2 to at least 6 m. high; trunks grayish-green, smooth; branchlets slender, 3-year and 2-year grayish-yellow to brownish, glabrate except behind the buds, 1-year and seasonal shoots yellowish to brown, 1-year glabrous in spring through sloughing of the puberulent epidermis, the seasonal finely puberulent or occasionally subpubescent. Bud scales stout, short, ovate or broadly lanceolate, 3-6 mm. long, mostly obtuse, colored and clothed as branchlets on which borne, color of all branchlets varying much with age and exposure.

Leaves midsize, petioled, those on vigorous shoots stipulate; stipules (on vigorous shoots only) 3-9 mm. long, 1.5-4.5 mm. wide, smaller nearly ovate, larger nearly semicordate, entire to sparingly rounded-dentate, colored as blades; petioles slender, 2-5 or 7 mm. long on fruiting branchlets, up to 1 cm. long on vigorous shoots, colored and clothed as branchlets; blades oblanceolate, elliptical-oblanceolate, or narrowly obovate, 3-5 cm. long and 1.5-1.8 cm. wide on fruiting branchlets, up to 13 cm. long and 2.5-3 cm. wide on vigorous shoots, common sizes, in cm.,  $4 \times 1.2-1.6$ ,  $5 \times 1.6-1.9$ ,  $6 \times 1.3-1.5$ , and  $7-8 \times 2$ , or, on vigorous shoots,  $10-11 \times 2-2.5$  and  $12-13 \times 2.5-3$ , mostly subcuneate or acute at base, those on fruiting branchlets broadly acute to obtuse or rounded and sometimes apiculate at apex and entire, those on vegetative shoots larger and proportionately narrower, acute to subacuminate, often shallowly crenate-serrulate, not or scarcely glandular, the young often puberulent or pubescent, becoming thinly so by expansion, and usually glabrate to glabrous as they become older, clear green above, glaucous beneath, midvein yellow, slender secondaries diverging at angles from  $20^\circ$  to  $45^\circ$  and curving upward near the margin, subimpressed to plane in young leaves, becoming elevated with maturity, tertiaries forming small irregular polygons.

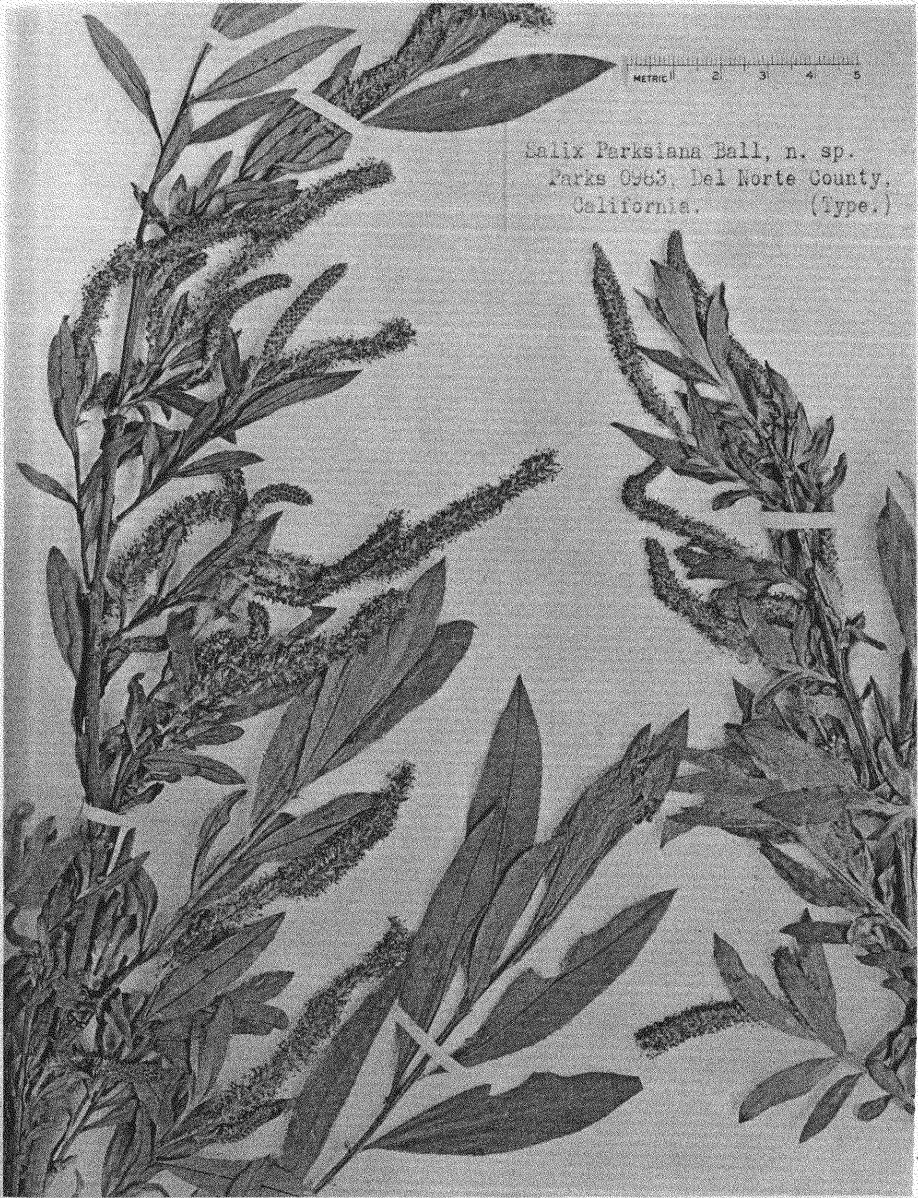
Aments slender, midsize, subprecocious to somewhat coetaneous, on shoots of previous season; peduncles short, pubescent, bracted or leafy, staminate 2-4 mm. long and bearing 2-4 very small leaf-like bracts, pistillate 5-10 or occasionally 14 mm. long and bearing 2-4 small leaves. Flower scales spatulate-obovate or broadly oblanceolate to sometimes cuneate-oblong, 1-1.3 mm. long, entire, obtuse or truncate at apex, or lowermost sometimes acute, dark brown to blackish, thinly to rather densely clothed, especially beneath, with short grayish hairs. Gland ventral, minute or wanting.

Staminate aments 2-4 cm. long, about 1 cm. wide, yellow; stamens 2, filaments about 4 mm. long, united at base for about one-third of their length, glabrous; anthers subglobose, about 0.5 mm. in diameter.



*Salix Parksiana* Ball, n. sp.  
Paris 0278,  
Del Norte County, California.

*Salix Parksiana* Ball. Fruiting branchlet with leaves nearly full-grown.  $\times \frac{3}{4}$



*Salix Parksiana* Ball, n. sp.  
Parks 0963, Del Norte County,  
California. (type.)

*Salix Parksiana* Ball. Staminate flowering branchlet with mostly juvenile leaves.  $\times \frac{3}{4}$