[*Bupthalmum asperrimum* Spreng.; *Anomostephium bupthalmoides* DC., *Wedelia bupthalmoides* Griseb.] of the Windward Islands, and hitherto confused with it.

30. **Anastraphia cuneifolia** Greenman, N. L. Britton, l. c., p. 126.

Shrub 1—2 m high, much-branched; stem and branches covered with a light gray bark. Leaves obovate-cuneate, 1—2 cm long, 0.5—1.2 cm broad, revolute-margined, sparingly spinulose-dentate in the terminal portion, entire and narrowed below the middle into the petiole, slightly puberulent above in the early stages but soon glabrate and rather conspicuously reticulate-veined, densely and permanently white-tomentose beneath; petioles 3—5 mm long, tomentose; heads few, about 2 cm long; sessile, mostly terminating the ultimate branchlets, 5-flowered; involucre narrowly campanulate, 8.5—10 mm long; bracts of the involucre 5—6-seriate, triangular-ovate to lance-linear, acute, externally arachnoid-tomentulose, brownish, slightly spreading at maturity; mature achenes 3.5—4 mm long, pubescent; pappus about 13 mm in length, persistent, tawny.

Bahamas Islands. Camfield Bay to Cabbage Pond, Inagua (Nash & Taylor 1295, October 22, 1904, type; hb. N. Y. Bot. Gard. and hb. Gray); Miner's Tent to Balsam Hill, Inagua (Nash & Taylor, 1259).

The species here described is most nearly related to *A. intertexta* Wr.; the chief differences being the obovate-cuneate leaves with fewer spinulose teeth, shorter heads, involucre and pappus, and 5 instead of 10 flowers in the head.

LIX. J. N. Rose, Species sessiliflorae mexicanae *Parasolae* generis generice commutatae atque novae.

(Ex: J. N. Rose, Contributions of Mexican and Central American plants, no. 5, in Contr. Unit. St. Nat. Herb., X, pt. 3 [1906], pp. 103—107.

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1. **Parosela insignis** (Hemsley) Rose, l. c., p. 103.
Dalea insignis (Hemsley), Diag. Pl. Nov., I, 7; 1878.
 2. **Parosela glaberrima** (S. Wats.) Rose, l. c., p. 103.
Dalea glaberrima S. Wats., Proc. Am. Acad., XXII, 470; 1887.
 3. **Parosela polyphylla** (Mart. & Gal.) Rose, l. c., p. 104.
Dalea polyphylla Mart. & Gal., Bull. Acad. Brux., X², 44; 1843.
 4. **Parosela citriodora** (Willd.) Rose, l. c., p. 104.
Dalea citriodora Willd., Sp. Pl., III, 1339; 1801.
 5. **Parosela mucronata** (DC.) Rose, l. c., p. 104.
Dalea mucronata DC., Prod., II, 246; 1825.
 6. **Parosela pectinata** (Kunth) Rose, l. c., p. 104.
• *Dalea pectinata* Kunth, Mimos. 169, pl. 49; 1819.

7. ***Parosela trochilina*** (Brandegee), Rose, l. c., p. 104.

Dalea trochilina Brandegee, Proc. Cal. Acad., II, III, 220; 1892.

8. ***Parosela hemsleyana*** Rose, l. c., p. 104.

A shrub with numerous long slender purplish branches closely set with glandular knobs, glabrous; leaves small; leaflets 9 to 15, 2 to 3 mm long, obtuse, glabrous on both sides, very glandular-dotted beneath; peduncles slender; inflorescence a compact head; bracts broad; calyx silky, about 4 mm long, including the lobes; lobes about two-thirds the length of the tube; corolla purplish.

Type U. S. National Herbarium no. 24436, collected by Parry and Palmer near San Luis Potosí, 1878 (no. 154). This is reported in the Biologia Centrali-Americana as *Dalea ramosissima* Benth., from which I think it is abundantly distinct. *D. ramosissima*, a Lower Californian species, has recently been collected by Mr. Brandegee and accords with Bentham's original description and excellent figure. Bentham's name must give way to the older one of Martius and Galeotti.

9. ***Parosela leucostachys*** (A. Gray) Rose, l. c., p. 104.

Dalea leucostachys A. Gray, Pl. Fendl., 32; 1848.

10. ***Parosela eysenhardtoides*** (Hemsley) Rose, l. c., p. 104.

Dalea eysenhardtoides Hemsley, Diag. Pl. Nov., I, 6; 1878.

11. ***Parosela oaxacana*** Rose, l. c., p. 104.

Shrubs, 90 to 120 cm high with many short ascending branches clothed with a short soft pubescence, each terminating in a short dense spike of purplish flowers; leaflets 6 to 15 pairs, narrowly oblong, 6 to 9 mm long, pubescent on both sides when young but early glabrate especially above, rounded at each end, apiculate, paler beneath, thickly set with small glands; bracts ovate, acuminate; calyx hairy, the tube not at all angled, slightly cleft on the upper side, the teeth much shorter than the tube, darker-colored, ovate, acute, almost spiny-toothed.

Type U. S. National Herbarium no. 40238, collected by Dr. C. G. Pringle on the Sierra de San Felipe, Oaxaca, altitude 2250 meters, October 10, 1894 (no. 4961).

12. ***Parosela naviculifolia*** (Hemsley) Rose, l. c., p. 104.

Dalea naviculifolia Hemsley, Diag. Pl. Nov., I, 7; 1878.

13. ***Parosela tuberculata*** (Lag.) Rose, l. c., p. 104.

Dalea tuberculata Lag. Nov. Gen. & Sp., 23; 1816.

14. ***Parosela psoraloides*** (Moric.) Rose, l. c., p. 104.

Dalea psoraloides Moric., Mem. Geneve, VI, 533; 1833.

15. ***Parosela canescens*** (Mart. & Gal.) Rose, l. c., p. 105.

Dalea canescens Mart. & Gal., Bull. Acad. Brux., X², 43; 1843.

16. ***Parosela inconspicua*** (Schauer) Rose, l. c., p. 105.

Dalea inconspicua Schauer, Linnaea, XX, 744; 1847.

17. ***Parosela vetula*** (Brandegee) Rose, l. c., p. 105.

Dalea vetula Brandegee, Proc. Cal. Acad., II, II, 146, 1889.

18. ***Parosela cliffordiana*** (Willd.) Rose, l. c., p. 105.

Dalea cliffordiana Willd. Sp. Pl., III, 1336; 1801.

19. ***Parosela revoluta*** (S. Wats.) Rose, l. c., p. 105.

Dalea revoluta S. Wats., Proc. Am. Acad., XXII, 404; 1887.

20. ***Parosela laevigata*** (G. Don) Rose, l. c., p. 25.

Dalea laevigata G. Don, Hist. Dichl. Pl., II, 224; 1832.

21. ***Parosela cyanea*** (Greene) Rose, l. c., p. 105.

Dalea cyanea Greene, Pittonia, I, 153; 1888.

22. ***Parosela nigra*** (Mart. & Gal.) Rose, l. c., p. 105.

Dalea nigra Mart. & Gal., Bull. Acad. Brux., X², 43; 1843.

23. ***Parosela erythrorhiza*** (Greenman) Rose, l. c., p. 105.

Dalea erythrorhiza Greenman, Zoe, V, 185; 1904.

24. ***Parosela luisiana*** (S. Wats.) Rose, l. c., p. 105.

Dalea luisiana S. Wats., Proc. Am. Acad., XVII, 341; 1882.

25. ***Parosela sericea*** (Lag.) Rose, l. c., p. 105.

Dalea sericea Lag., Nov. Gen. & Sp., XXIII; 1816.

26. ***Parosela gracilis*** (Kunth) Rose, l. c., p. 105.

Dalea gracilis Kunth, Mimos., 166, pl. 48; 1819.

27. ***Parosela painteri*** Rose, l. c., p. 105.

Stems bushy, forming large clumps 30 to 50 cm high, woody below; branches clothed with short appressed pubescence, dark-colored, with few or no glands; leaflets 5 to 7 pairs, oblong, 5 mm long, retuse, glabrous and glandless above, glandular and slightly pubescent beneath; spikes at first globular, becoming in fruit 3 cm long; bracts ovate, acute, a little hairy, deciduous; calyx tube broad, glabrous and shining without and bearing a row of black glands between the ribs; calyx teeth linear, somewhat unequal, about the length of the tube; petals yellow or the keel and wings somewhat reddish; fruit pubescent.

Type U. S. National Herbarium no. 453017, collected by J. N. Rose and Jos. H. Painter on a stony hillside near San Juan del Rio, Querétaro, August 18, 1905 (no. 9526). Resembling *P. plumosa*, but leaflets smaller and glabrous above, stems darker-colored, spikes shorter, etc.

28. ***Parosela pauciflora*** Rose, l. c., p. 106.

Woody at base, much branched, about 60 cm high, the young branches finely pubescent; leaflets 7 to 9 pairs, sometimes reduced to 3 pairs, small, 4 to 7 mm long, oblong, acute or mucronate, hairy on both sides, glandular beneath; bracts lanceolate, acuminate, rather conspicuous, hairy; calyx tube short, hairy, the teeth ovate at base tapering into long subulate tips longer than the calyx tube; petals small, white; keel and wings borne on the stamen tube a little below the top; ovary hairy.

Type U. S. National Herbarium no. 316752, collected by C. G. Pringle in shaded places on hills near Guadalajara, Jalisco, December 12, 1888 (no. 1825).

29. ***Parosela watsoni*** Rose, l. c., p. 106.

Perennial, with at least upper branches herbaceous, very villous; leaflets 9 to 11 pairs, hairy on both sides, linear-oblong, obtuse, 3 to

5 mm long; spikes narrow, very densely flowered; bracts linear to filiform, hairy; calyx hairy, the teeth longer than the tube; petals small, white.

Type U. S. National Herbarium no. 24472, collected by Dr. E. Palmer at Frayles, Chihuahua, 1885 (no. 252), and briefly described but not named by Dr. S. Watson.

30. *Parosela eriophylla* (S. Wats.) Rose, l. c., p. 106.

Dalea eriophylla S. Wats., Proc. Am. Acad., XVII, 340; 1882.

31. *Parosela seemani* (S. Wats.) Rose, l. c., p. 106.

Dalea seemani S. Wats., Proc. Am. Acad., XXII, 470; 1887.

32. *Parosela argyrostachys* (Hook. & Arn.) Rose, l. c., p. 106.

Dalea argyrostachys Hook. & Arn., Bot. Beech. Voy., 285; 1841.

33. *Parosela plumosa* (S. Wats.) Rose, l. c., p. 106.

Dalea plumosa S. Wats., Proc. Am. Acad., XXI, 448; 1886.

34. *Parosela leucostoma* {Schlecht.) Rose, l. c., p. 106.

Dalea leucostoma Schlecht., Linnaea, XII, 294; 1838.

35. *Parosela purpusi* (Brandeg.) Rose, l. c., p. 106.

Dalea purpusi Brandeg., Erythea, IX, 2; 1899.

36. *Parosela berlandieri* (A. Gray) Rose, l. c., p. 106.

Dalea berlandieri A. Gray, Proc. Am. Acad., V, 177; 1861.

37. *Parosela microphylla* (H. B. K.) Rose, l. c., p. 106.

Dalea microphylla H. B. K., Nov. Gen. & Sp., VI, 482; 1823.

38. *Parosela brandegei* Rose, l. c., p. 106.

Dalea ramosissima Benth., Pl. Hartw., 1844, not *D. ramosissima* Mart. & Gal., 1843.

Named for Mr. Brandeg., who has called attention to the fact that two species are passing under the name of *D. ramosissima* and who has recently re-collected and distributed Benthams's species.

39. *Parosela lasiostachya* (Benth.) Rose, l. c., p. 107.

Dalea lasiostachya Benth., Pl. Hartw., 11; 1839.

LX. J. N. Rose, *Gerania nova*.

(Ex: J. N. Rose, Contributions of Mexican and Central American plants. no. 5, in Contr. Unit. St. Nat. Herb., X, pt. 3 [1906], pp. 108—109.

1. *Geranium bellum* Rose, l. c., p. 108.

Resembling *G. schiedeanum*, but the flowers always white, the sepals much broader, the outer ones 4 or 5-nerved, and the leaf segments much more obtuse.

Very common in the high mountains of Central Mexico, frequently collected by the writer and recently by Dr. C. G. Pringle.