

Navarretia mellita Greene, HONEY-SCENTED NAVARRETIA, HONEY-SCENTED PINCUSHION. Annual, spinescent, taprooted, rosetted, 1-stemmed at base, with several ascending to spreading branches along main axis above the basal rosette, branches not surpassing height of main axis, each branch terminating with a spinescent, spheroid inflorescence, erect, in range 5–18 cm tall; shoots with somewhat persistent basal leaves and spreading to ascending cauline leaves, often purplish, glandular-tomentose but hairs (uniseriate) aging without heads, pleasantly aromatic with subtle, honeylike fragrance. **Stems:** cylindrical, to 1.5 mm diameter, mostly purplish red, main axis straight, with persistent hairs. **Leaves:** helically alternate but whorled to opposite decussate at condensed basal nodes, odd-1-pinnately lobed with several–25 lobes, short-petiolate (basal leaves) and sessile with paired basal lobes (cauline leaves), without stipules; petiole flattened and slightly expanded, to 4 mm long, membranous on margins; blade of basal leaves oblong to oblanceolate in outline, to 22 mm long, equally spaced with lobes arranged in 1 plane, blade axis 1–1.5 mm wide and midrib raised on lower surface, lateral lobes alternate to opposite, narrowly awl-shaped to lanceolate, 0.5–3 mm long, curved outward and sometimes slightly backward; blade of upper leaves \pm broadly ovate and deeply pinnately lobed, 6–11 mm long, slightly arched outward above midrib midpoint, lateral lobes 5–11 per side and evenly spaced, unequal with 1–2 short lobes between longer lobes, awl-shaped, the longer lobes $3\text{--}4 \times 0.5\text{--}0.7$ mm, generally entire or the longest lobe sometimes with a spine-tipped sublobe, spreading in the same plane, shorter lobes 0.7–2.5 mm long but mostly spreading and directed below plane of blade but the upper pair ascending, terminal lobe 2–3.5 mm long. **Inflorescence:** headlike cymes, terminal, 11–15 mm across, cluster many-flowered, each cyme ca. 3-flowered, flower sessile, bracteate, densely glandular-hairy, becoming viscid when harvested; bract (outer bract) subtending cyme leaflike, appearing \pm palmately lobed with 2–8 spine-tipped lateral lobes per side, $7\text{--}9 \times 5\text{--}8$ mm, having several lateral lobes congested near the base, whitish and \pm ovate at slightly cupped base, lateral lobes narrowly tapered, $1\text{--}3.5 \times 0.3\text{--}0.6$ mm, terminal lobe narrowly ovate to strap-shaped or oblanceolate in outline, 4–7 mm long, acuminate and spinose at tip and commonly having a pair of ascending, spine-tipped lobes, green with purplish red at tip of each lobe, generally not 3-dimensional; bractlet subtending flower appressed to calyx, spine-tipped linear to lanceolate, $4\text{--}7 \times 0.5\text{--}0.7$ mm, unlobed or with an ascending tooth or lobe on 1 or both edges. **Flower:** bisexual, radial, 2–2.5 mm across; **calyx** 5-lobed, 4–6 mm long; tube 1.5–2.5 mm long, mostly membranous panels, with 5 ribs whitish at base and becoming wider and green above; lobes unequal, 2.5–3 mm long increasing to 4 mm long and conspicuously unequal in fruit, spine-tipped, green changing to purple at tip with sharp colorless point 0.35–0.4 mm long (sometimes point forked), with long glandular hairs; **corolla** 5-lobed, funnel-shaped, in range 5.5–7 mm long, $>$ calyx; tube \pm 2 mm long, whitish with fine parallel veins, stretched by enlarging ovary; throat 2.5–3 mm long, whitish with 3 purple veins to each lobe, tube and throat sparsely puberulent on outside; lobes spreading, ovate, $1\text{--}1.3 \times 0.6$ mm, strongly twisted in bud, light violet aging violet with 5–7 purple veins radiating from base; **stamens** (4–)5, fused to base of corolla throat at same level alternate with corolla lobes, included; filaments unequal, 0.2–0.45 mm long within each flower, white; anthers dorsifixed, dithecal, 0.35–0.4 mm long, white, longitudinally dehiscent; pollen white; **nectary disc** beneath ovary

obscure; **pistil** 1; ovary superior, obovoid, 0.7–1 × 0.5 mm, green, glabrous, 3-chambered, each chamber with 5–7 ovules; style included, 0.8–1.2 mm long, pale green, 3-branched, the stigmatic branches 0.2 mm long, positioned just above level of anthers. **Fruit:** capsule, loculicidal, dehiscent by 3 valves, to 15-seeded, obovoid and unlobed, 2.8–3.1 × 1.7 mm, straw-colored. **Seed:** irregularly 4–6-faceted or ± clamshell-shaped, 0.6–0.7 mm long, orange-brown, variously convex, concave, or flat on faces.

Native. Annual collected in range by Tarja Sagar and Tony Valois at SMMNRA Circle X Range in June, 2012. *Navarretia mellita* is honey-scented rather than producing the skunklike odor of other species.

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