

Calochortus clavatus S. Watson var. *pallidus* (Hoover) P. L. Fiedler & Zebell, CLUB-HAIRED MARIPOSA-LILY. Perennial herb, geophytic, bulb-bearing, fibrous-rooted, 1-stemmed at base, ascending to erect, 40–80(–100) cm tall; shoots with 1 basal and several cauline leaves, glabrous; bulb deep-seated, broadly ovoid, with membranous coat and 2 thick, nutrient-storing leaves. **Stems:** cylindric, 2–4 mm diameter, green or aging reddish, stiff and fibrous, slightly zigzagged, often somewhat glaucous. **Leaves:** alternate distichous, simple with sheath; sheath closed, extremely short at node; blade linear (basal leaf) to very narrowly lanceolate (cauline leaves), 50–200(–400) × to 13 mm, entire and sometimes inrolled to upper side on margins, narrowly acuminate and recurved at tip, conspicuously parallel-veined. **Inflorescence:** leafy cyme, terminal, open, several-flowered (lateral cymes sometimes 1-flowered), bracteate, glabrous; bractlet subtending pedicel leaflike; pedicel ± erect, to 75 mm long in fruit, segments often glaucous. **Flower:** bisexual, radial, 33–60 mm across, bell-shaped to cup-shaped; **sepals** 3, cupped-lanceolate to boat-shaped, (18–)22–35 × 3.5–11 mm, outer surface bright yellow with membranous margins becoming pinkish, inner surface green blushed with red or yellow becoming dark red along 8–12 parallel veins, with dark red blotch ± 3 mm above base or with 2 or more dark red markings ± 6 mm above base, if several markings present then ± arranged in arcs, membrane wider on exposed margin, glabrous; **petals** 3, with a hairy nectary, fan-shaped but cupped at base, (21–)35–50 × (23–)25–33 mm, brilliant yellow, inner surface near base with a dark red to reddish brown blotch and above blotch having a nectary gland; **nectary** on upper surface, circular and in a depression, yellow sometimes with dark red markings forming a transverse, ± zigzagged line above gland midpoint, bearded with scattered club-shaped hairs to midpoint, the club-shaped hairs wavy, 2–3 mm long, yellow, mostly threadlike with clublike tips, surface of gland with hairs branched near tip, bordered by a yellow, ± ciliate membrane, the ciliate hairs unbranched or branched near tip; **stamens** 6, free; filaments nearly erect, 10–14 mm long, fleshy, yellow, subcrescent-shaped in ×-section, bent outward and tapered to tip; anthers ascending, basifixed, dithecal, narrowly oblong, 6–15 mm long, mauve to purple or strong violet, longitudinally dehiscent; pollen mauve; **pistil** 1, 15–30 mm long; ovary superior, columnar and conspicuously 3-angled, light green and somewhat glaucous, 3-chambered, each chamber with ± 30 ovules along 2 placentae attached to center, the portion approaching tip sterile; style poorly differentiated from ovary; stigma 3-lobed, yellow, each lobe recurved with lateral margins folded up and appressed together. **Fruit:** capsule, septicidal, dehiscent by 3 valves from top downward, many-seeded, erect, 3-angled narrowly lanceoloid to linear, 50–90 × 6–10 mm, acutely angled, acuminate at tip, when immature purplish along angles and very pale green along valleys, becoming tannish when dry. **Seed:** in face view ± elliptic but with pointed ends, 3–4 × 2–3 × 0.5–0.7 mm, light tan, in lateral view flattish or slightly S-shaped, with lateral sides ± ⊥ to broad faces, surface finely netlike. Late April–mid-June.

Native. Geophytic perennial herb encountered throughout the range in grassy habitats or in open patches between shrub in scrubland. *Calochortus clavatus* var. *pallidus* is the common yellow-flowered mariposa lily, with bright yellow petals and mauve anthers. Plants somewhat resembling variety *gracilis* in size and leaf were studied from chaparral along Cornell Road near Agoura Hills, having short petals and sepals than described for

typical *clavatus*, but with anthers eight millimeters and longer and lacking the characteristic reddish mark above the gland on the petal.

B. A. Prigge & A. C. Gibson