

worker and female specimens but only a single male from the following places in the Pacific States:

California: Palo Alto (H. Heath and W. M. Mann); San José (H. Heath); Alameda and Marin County (Amer. Mus. Nat. Hist.); Ukiah, Mendocino County and Berkeley (J. C. Bradley); Point Loma, San Diego (P. Leonard); Pasadena (Wheeler).

Washington: (Osten Sacken).

Oregon: (Osten Sacken); Corvallis (Amer. Mus. Nat. Hist.).

Emery cites *maccooki* also from Descanso, Calif.

#### 9. *C. maculatus sansabeanus* Buckley

*Formica sansabeana* BUCKLEY, Proc. Ent. Soc. Phila., VI, p. 167, ♂ ♀ ♂, 1866.

*Camponotus marginatus* var. *sansabeana* MAYR, Verh. zool. bot. Ges. Wien, XXXVI, p. 365, 1886; DALLA TORRE, Catalog. Hymen., VII, p. 242, 1893.

*C. maculatus* subsp. *maccooki* var. *sansabeanus* EMERY, Zool. Janrb. Abth. f. Syst., VII, p. 672, ♂ ♀, 1893; WHEELER, Trans. Tex. Acad. Sci., IV, Pt. II, No. 2, p. 23, ♂ ♀ ♂, 1902.

*Worker major.* Length, 9–11 mm.; head, 2.8 x 2.7 mm.; scape, 2.5 mm.; hind tibia, 2.5 mm.

Resembling *maccooki* but stouter, more thick-set, with proportionally larger head and shorter legs. The flattened dilatation at the base of the antennal scape is broader than in *vicinus*, but slightly narrower and less lobulate than in *maccooki*. Clypeal carina blunter, lobe of the anterior border shorter.

Sculpture and pilosity as in *maccooki*, but lower surface of head with more numerous erect hairs. Cheeks with a very few erect hairs arising from somewhat elongated foveolæ. Pubescence very short and sparse.

Color much like that of *maccooki*, but thorax more brownish, basal half of gaster yellow or yellowish brown, apical half and sometimes the whole gaster more infuscated.

*Worker minor.* Length, 5–7 mm.

Antennal scapes less dilated at the base than in the worker minor of *maccooki*. Cheeks without erect hairs. Color much like that of the worker major.

*Female.* Length, 12–14 mm.

Head broader than in *maccooki*, especially behind. Surface, especially of the thorax and gaster, very smooth and shining. Pubescence more dilute and inconspicuous than in the worker major. Wings long (12–13 mm.), suffused with yellow; veins and stigma brownish yellow.

*Male.* Length, 8–9 mm.

Head proportionally shorter than in the male *maccooki*. Cheeks hairy. Antennal funiculi, tarsi and tibiæ yellowish brown; wings less suffused with yellow and paler than in the female; veins and stigma pale yellow.