

preference for open areas. In Costa Rica the species is notably less common than *P. elongatus*.

*Material Examined* (*CDAE*, *CNCC*, *GCWC*, *JTLC*, *LACM*, *MCZC*, *MHNG*, *MZSP*, *PSWC*, *USNM*).—

COSTA RICA *Guanacaste*: 6 mi S, 6 mi W Cañas, Taboga (D. H. Janzen); Hda. La Pacifica, nr. Cañas, 50 m (P. S. Ward); Palo Verde (C. M. Herrera); Santa Rosa Natl. Pk. (D. H. Janzen); Santa Rosa Natl. Pk., < 5 m (P. S. Ward); *Limon*: Talia Farm, Estrella Valley (G. C. Wheeler); *Puntarenas*: 9.7 mi W Esparta (D. H. Janzen); Boca Barranca (D. H. Janzen); Estrella, 300 m (J. T. Longino); Golfito, 5 m (P. S. Ward); Manuel Antonio Natl. Pk., 10 m (P. S. Ward); Manuel Antonio Natl. Pk., < 5 m (P. S. Ward); Pita, 120 m (J. T. Longino); Pita, 200 m (J. T. Longino); Sarmiento, 200–300 m (J. T. Longino); Sirena, Corcovado Natl. Pk., 10 m (P. S. Ward); Sirena, Corcovado Natl. Pk., 50 m (J. T. Longino); *San José*: 2 mi. W Río Oro (D. H. Janzen); 40 km S San Isidro de General (D. H. Janzen); San José (H. Schmidt).

GUATEMALA *Escuintla*: Escuintla (W. M. Wheeler; N. L. H. Krauss); *Izabal*: Los Amates (Kellerman); *Suchitepéquez*: Patulul (Peper).

HONDURAS *Atlántida*: La Ceiba (F. S. Dyer); *Cortés*: Choloma (W. M. Mann).

JAMAICA Kingston (A. Forel); Ford 1 mi SE Stony Creek (E. A. Chapin).

MEXICO "Mexico", intercepted at Brownsville (c.u.); *Camp.*: 29 mi E, 12 mi S Campeche (Ruinas Edzna) (D. H. Janzen); *N.L.*: El Pastor, Montemorelos, 2200 ft. (W. S. Creighton); *S.L.P.*: 3 mi N Valles, 300 ft. (W. S. Creighton); *Tamps.*: 6.2 mi S San Fernando on Hwy 101 (D. H. Janzen); Cañon del Abra, 1000 ft. (W. S. Creighton); *Ver.*: Camarón (E. Skwarra).

NICARAGUA *Esteli*: 7.5 mi NW San Isidro, 550 m (D. H. Janzen).

PANAMA *Chiriquí*: "Prov. Chiriquí" (F. M. Gaige); *Panamá*: Trinidad Rio (A. Busck).

UNITED STATES *Texas*: *Cameron Co.*: 10 mi W Boca Chica (R. R. Snelling); 5 mi W Boca Chica (G. C. & J. Wheeler); Brownsville (H. S. Barber; c.u.); Harlingen (W. F. Buren); *Hidalgo Co.*: Mission (W. F. Buren); Monte Alto, 60 ft. (W. S. Creighton); *Kenedy Co.*: 26 mi N Raymondsville (W. S. Creighton).

### *Pseudomyrmex cretus*, sp. nov.

(Figures 9a, 9b, 26, 27)

*Holotype worker*.—COSTA RICA, *Prov. Guanacaste*: Santa Rosa Natl. Park, 300m, 10°51'N, 85°37'W, 14.xii.1983, ex dead twig of *Schoepfia*, tropical dry forest, P. S. Ward acc. no. 6434 (MCZC). HW 0.95, HL 1.18, EL 0.61, PL 0.52, PH 0.42.

*Paratypes*.—Same locality and date as holotype, P. S. Ward acc. nos. 6434 and 6427–2: two series of workers; COSTA RICA, *Prov. Guanacaste*: Santa Rosa Natl. Park, 270m, 10°50'N, 85°38'W, 14.xii.1983, P. S. Ward acc. nos. 6443, 6444, 6446, and 6448, workers and dealate queens. (BMNH, INPA, IZAV, LACM, MCZC, MJPL, MNCR, MZSP, PSWC, UCDC, UNCB, USNM)

Type material restricted to the above series from Santa Rosa National Park, Costa Rica. Additional material, believed to be conspecific, is listed below.

*Worker Measurements* (*n*=14).—HL 0.99–1.22, HW 0.85–0.98, MFC 0.027–0.035, CI 0.78–0.86, OI 0.57–0.60, REL 0.49–0.53, REL2 0.62–0.65, OOI 0.07–0.35, VI 0.74–0.81, FCI 0.028–0.039, SI 0.46–0.50, SI2 0.73–0.80, FI 0.40–0.46, PDI 1.21–1.43, MPI 0.047–0.068, NI 0.60–0.65, PLI 0.77–0.89, PWI 0.69–0.78, PPWI 1.21–1.50.

*Worker Diagnosis*.—A relatively large species for the *P. oculatus* group (HW 0.85–0.98), with broad head, long scapes, and relatively short eyes (Fig. 9a; SI2 0.73–0.80); sides of head broadly convex, occipital margin weakly concave in frontal view; second and third funicular segments as long as, or longer than, wide (FLI 1.94–2.40, *n*=5). Fore femur relatively slender; metanotal groove conspicuous but not sharply excavated; basal face of propodeum flat to weakly convex, raised slightly above the level of the mesonotum, longer than the declivitous face from which it is usually well differentiated; juncture of basal