

## *Megalomyrmex drifti* Kempf

(Figs 1C, 4B)

*Megalomyrmex drifti* Kempf, 1961: 504, figs 9–11. Holotype worker, paratype workers, queen: Dirkshoop, Surinam [MZSP] (not examined). Brandão, 1990: 448, description of male. See also: Kempf, 1970: 362.

**Measurements.** Worker: HW 0.40–0.55, HL 0.53–0.65, SL 0.40–0.55, ML 0.65–0.80 (n=20, from Brandão, 1990).

**Geographic range.** Widespread in tropical South America, north through Central America to southern Mexico.

**Biology.** This species occurs in moist to wet forest habitats, in mature and second growth forest. Most collections are from below 600 m elevation, but collections from 1500 m cloud forest are known. Workers and occasionally queens are moderately abundant in Winkler samples of sifted litter. In Costa Rican wet forest I found a nest in a dead stick in the leaf litter; it contained abundant workers, brood, alate queens, and males. The collection was made on 9 November 2002, the height of the wet season.

**Comments.** Specimens I have examined from Costa Rica have a pair of carinae on the worker and queen clypeus, a character used as part of the species diagnosis by Kempf (1961). However, specimens from Honduras to Mexico lack the clypeal carinae. They are very similar in most other respects, and I consider this geographic variation within a single species.

**Material examined.** COSTA RICA: Guanacaste: Bosque Humedo, Santa Rosa Nat. Park, 10°51'N, 085°37'W, 300 m, 12 Jul 1985 (J. Longino); Heredia: 7 km SW Pto. Viejo, 10°24'14"N, 084°02'22"W, 160 m, mature wet forest, 19 Apr 2007 (Gilberth H / Felix C); 16 km SSW Pto. Viejo, 10°19'03"N, 084°02'56"W, 500 m, 11 Jul 2006 (Gilbert H / Johanna H); Casa Plastico, 17 km S Pto. Viejo, 10°18'N, 084°02'W, 550 m, 22 Jan 1989 (J. Longino); La Selva, 8 km SW Pto. Viejo, 10°24'N, 084°03'W, 150 m, 17 Jul 1986 (J. Longino); 10 km SE La Virgen, 10°20'N, 084°05'W, 500 m, wet forest, 9 Nov 2002 (J. Longino); 11 km ESE La Virgen, 10°21'N, 084°03'W, 300 m, montane wet forest, 15 Feb 2004 (ALAS); 11 km SE La Virgen, 10°20'N, 084°04'W, 500 m, 19 Feb 2003 (ALAS); Limón: Hitoy Cerere Biol. Reserve, 09°40'N, 083°02'W, 100 m, mature and second growth wet forest, 1 Sep 1985 (J. Longino); Puntarenas: Sirena, Corcovado National Park, 08°29'N, 083°36'W, 5 m, 18 Dec 1990 (J. Longino); Manuel Antonio Nat. Park, 09°23'N, 084°09'W, 20 m, 27 Jul 1985 (J. Longino); Rancho Quemado, Osa Peninsula, 08°42'N, 083°33'W, 200 m, 15 Dec 1990 (J. Longino); 13 km SSW Pto. Jimenez, 08°24'24"N, 083°19'42"W, 130 m, tropical rainforest, 10 Mar 2008 (J. Longino); GUATEMALA: El Progreso: 3.7 km SW Morazán, 14°54'18"N, 090°09'13"W, 460 m, tropical dry forest, 8 Jul 2007 (M. Branstetter); 12 km N San Agustin Acasaguastlán, 15°02'30"N, 089°58'00"W, 1200 m, oak pine forest, 3 Jun 1991 (R. S. Anderson); Izabal: 5 km NW Morales, 15°30'50"N, 088°51'56"W, 250 m, 2° lowland tropical rainforest, 17 May 2009 (LLAMA); 16 km ESE Morales, 15°24'46"N, 088°42'37"W, 415 m, 19 May 2009 (LLAMA); Petén: Cerro Cahuí, 17°00'09"N, 089°43'03"W, 250 m, treefall gap in tropical moist forest, 22 May 2009 (LLAMA); Parq. Nac. Tikal, 17°14'25"N, 089°37'19"W, 270 m (LLAMA); 13 km NW Machaquilá, 16°26'44"N, 089°33'00"W, 400 m, 27 May 2009 (LLAMA); Suchitepéquez: 5.5 km S Vol. Atitlán, 14°31'39"N, 091°11'48"W, 1056m, riparian wet forest, 18 Jun 2009 (R. S. Anderson); HONDURAS: Olancho: 14 km WSW Catacamas, 14°47'59"N, 086°00'51"W, 600 m, tropical moist forest, 13 May 2009 (J. Longino); MEXICO: Chiapas: Nahá, 16°58'27"N, 091°35'09"W, 950 m, montane wet forest, 14 Jul 2007 (J. Longino); 2.5 km S Nuevo San Juan Chamula, 16°07'25"N, 091°26'44"W, 750 m, montane evergreen forest (roadside), 22 Jul 2007 (R. S. Anderson); 6 km SW Ocósingo, 16°52'02"N, 092°04'43"W, 1400 m, wet oak pine forest, 16 Sep 1992 (R. S. Anderson); 8 km SE Salto de Agua, 17°30'56"N, 092°18'09"W, 100 m, 2° wet forest, 14 Jun 2008 (LLAMA); 2 km SE Custepec, 15°43'15"N, 092°57'03"W, 1520 m, mesophil forest, 17 May 2008 (LLAMA); Playón de la Gloria, 16°08'12"N, 090°55'00"W, 155 m, lowland wet forest, 27 Jun 2008 (LLAMA); Lago Metzabok, 17°07'32"N, 091°37'51"W, 570 m, lowland wet forest, 6 Jun 2008 (LLAMA).

## *Megalomyrmex foreli* Emery

(Figs 1A, 2B)

*Megalomyrmex foreli* Emery, 1890: 46, pl. 5, fig. 3. Lectotype worker (designated by Brandão 1990: 434): Jimenez [near Guapiles, Prov. Limón], Costa Rica [MCSN] (examined). Forel, 1899: 58, description of male. See also: Brandão, 1990: 434; 2003: 152.