

4. Propodeal spines lacking, as in *D. ignotus*.
5. Sculpturation extremely reduced, as illustrated. The costulation otherwise characteristic of *Dacatinops* species represented only by traces on the frons, underside of head, and sides of mesosoma, and by weak vestiges of longitudinal ribs at the base of the first gastral tergite (abdominal IV). Mandibles striate, shagreening of antennal foveae and legs vestigial, the foveae essentially smooth and shining.
6. Pilosity extremely reduced, a few small hairs on mandibles, clypeus, frons, dorsal antennal scrobes, legs and underside of gaster. The hairs of the antennal scrobes are bilaterally paired and match their apparent homologs in *D. cibdelus*, evidencing the derived nature of the reduced *darlingtoni* pilosity. Other features of this very distinctive species as illustrated. Color as in other species of *Dacatinops*, reddish brown; the mandibles, antennae and legs a shade lighter. Palpal formula (dissected) *maxillary* 2: *labial* 2.

Relationships. – Discussed above under *D. cibdelus*.

Bionomics. – Discussed below under *D. ignotus*.

***Dacatinops ignotus* new species (Figs. 25–27)**

Type locality. – PAPUA NEW GUINEA : NORTHERN PROVINCE : 8 km S. of Kokoda (near northern terminus of the ‘Kokoda Trail’, which crosses the Owen Stanley Range to Bisianumu and Port Moresby; estimated coordinates 8°57' S., 147°43' E.).

Distribution, material examined. – Known only from the Popondetta-Kokoda area of eastern New Guinea. PAPUA NEW GUINEA : NORTHERN PROVINCE : Kokoda, 2 workers (P.M. Room, 6.iv.1972). Near Kokoda, worker, berlesate, c. 500 m (RWT, 1.vi.1972). 8 km S. of Kokoda, holotype worker, 3 additional workers, 2 dealate females, c. 800 m (RWT, 8.vi.1972; ANIC berlesates 382,389). Popondetta, 3 workers (P.M. Room, 6, 15.ii.1972). Near Popondetta, worker, <50 m (RWT, 31.v.1972, ANIC berlesate 380). Near Dobodura, on Samboga River, worker, stray on rotten log, 100 ft (BBL, 14.i.1971). All samples from rain forest; all specimens designated as types.

Type deposition. – Holotype and most paratypes in ANIC (type No. 7547). Paratype workers in BM(NH), GM, and MCZ. Holotype gold coated, mounted with a color-matched paratype.

Worker. – General features as in the accompanying figures and key couplets 1b,