

♂. Black mandibles, first joint of funiculus, tarsi, articulations of the legs, insertions of wings, prescutellum, and apex of scutellum yellowish. Sculpture and pubescence, etc., much as in the ♀. Typical male *Iridomyrmex*.

*Head*, not counting eyes, longer than broad; *mandibles* short, pointed, feeble, without teeth; *eyes* very large and prominent; *ocelli* also large and prominent; *antennae* short, all the joints longer than broad, *scape* shorter than 2nd joint of funiculus. *Thorax* high, convex, narrowed behind, longer than gaster; *gaster* somewhat curved; *genitalia* somewhat large for this genus. Wings slightly iridescent; *veins* and *pterostigma* light yellowish-brown; one small discoidal cell, one long cubital cell, and long closed radial cell present. *Long.* 4.2 mm.

♂ type in British Museum (N.H.).

*Iridomyrmex scrutator* Smith subsp. *batesi* Forel, 1911, *SitzBer. bayrisch. Akad.* 1911 : 283.

Type locality : New Guinea.

A number of workers taken by Miss L. E. Cheesman in mossy forest, Mt. Baduri, 1000 ft., Japen Island. Trails on all felled trees, viii.1938.

#### *Iridomyrmex myrmecoidae* Emery var. *nigriventris* var. n.

Differs from the typical form in having the gaster jet black (blue-black in some light). The head is also of a brighter yellow.

Described from a number of workers taken by Miss L. E. Cheesman on Japen Island, Mt. Baduri, 1000 ft., viii.1938.

Type in British Museum (N.H.).

The ants were nesting in a rotten stump among moss and fern roots; workers were carrying eggs.

Writing about *I. myrmecoidae* in the Solomon Islands, Mann, 1919, *Bull. Mus. comp. Zool.* 63 : 362, stated that there is considerable variation in colour; some examples having the gaster jet black. In Miss Cheesman's colony all the ants had jet-black gasters.

#### *Tapinoma melanocephalum* Fabr., 1793, *Ent. Syst.* 2 : 353.

Miss L. E. Cheesman took a number of workers of this cosmopolitan species in her hut in mossy forest, Japen Island, Mt. Baduri, 1000 ft., viii.1938.

#### *Technomyrmex detorquens* Walker.

*Formica detorquens* Walker, 1859, *Ann. Mag. nat. Hist.* (3) 4 : 372.

*Formica (Tapinoma) albipes* Smith, 1861, *J. Proc. Linn. Soc. Lond. (Zool.)* 6 : 38.

*Technomyrmex detorquens* Donisthorpe, 1932, *Ann. Mag. nat. Hist.* (10) 9 : 575.

Ceylon (Walker); Celebes (Smith).

Miss L. E. Cheesman took a ♀ in soil on logs, JAPEN ISLAND : Mt. Oude, 3500-4000 ft., xi.1938.

#### Leptomyrmicini Emery.

*Leptomyrmex fragilis* Smith subsp. *melanoticus* Wheeler, 1934, *Bull. Mus. comp. Zool.* 77 : 113.

Type locality : China Straight, New Guinea (Papua).

Workers taken by Miss L. E. Cheesman on a trail, JAPEN ISLAND : Mt. Baduri, mossy forest, 1000 ft., viii.1938, and Mt. Eiori, 2000 ft., x.1938.