

A New and a Newly Recorded Species of the Ant Genus *Amblyopone* (Hymenoptera: Formicidae) from Japan

Keiichi ONOYAMA

Laboratory of Ecosystem Conservation, Obihiro University of Agriculture and Veterinary Medicine, Inada-cho, Obihiro, Hokkaido, 080–8555 Japan

Abstract. A new ponerine ant, *Amblyopone caliginosa*, is described based on the worker and female, and *A. sakaii* is newly recorded from Japan. A Hawaiian species, *A. zwaluwenburgi*, much resembling *A. caliginosa* is redescribed based on the types.

Key words: *Amblyopone*, new species, new record, Japan, Formicidae.

Introduction

Onoyama (1989) recognized 4 species of the ant genus *Amblyopone* in Japan, 2 described and 2 nomenclaturally undetermined: *A. fulvida* Terayama, *A. silvestrii* (Wheeler), *A. sp. 3*, and *A. sp. 4*. In this paper I describe *A. sp. 3* as a new species, and report *A. sp. 4* as *A. sakaii* Terayama originally described from Taiwan, which is new to Japan.

The new species to be described is similar to *A. zwaluwenburgi* (Williams). Since the latter is not well known, indeed Taylor (1978) could not examine the head, a redescription is given prior to the description of the new species.

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Measurements and Indices

Head length (HL): maximum length of head in full-face view, from the anteriormost point of clypeus (including clypeal denticles) to the posteriormost point of occiput.

Head width (HW): maximum width of head in full-face view, excluding eyes.

Cephalic index (CI): $HW/HL \times 100$.

Mandible length (ML): maximum length of mandible, from the visible outer basal point to the apex.

Scape length (SL): length of scape excluding radicle.

Scape index (SI): $SL/HW \times 100$.

Width of frontal lobes (FLW): maximum width between the outermost margins of frontal lobes in dorsal view.

Eye length (EL): maximum length of eye.

Pronotal length (PL): maximum length of pronotum in dorsal view.

Pronotal width (PW): maximum width of pronotum in dorsal view.

Mesoscutum length (MsL): maximum length of mesoscutum in dorsal view (female).

Mesoscutum width (MsW): maximum width of mesoscutum in dorsal view (female).

Weber's length of mesosoma (WL): maximum diagonal distance in lateral view, from the base of anterior slope of pronotum (namely excluding cervix) to the propodeal lobe (=metapleural lobe).

Petiole node length (PtNL): midline length of petiole node in dorsal view.

Petiole width (PtW): maximum width of petiole in dorsal view.

Gastral tergite I length (G1L): midline length of gastral tergite I (abdominal tergite III, postpetiole) in dorsal view.

Gastral tergite I width (G1W): maximum width of gastral tergite I in dorsal view.

Gastral tergite II length (G2L): midline length of gastral tergite II (abdominal tergite IV) in dorsal view.

Gastral tergite II width (G2W): maximum width of gastral tergite II in dorsal view.

All measurements were carried out with a direct