

## Oriental species of *Agathidium* in the Naturhistorisches Museum, Vienna

(Insecta: Coleoptera: Leiodidae)

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### Abstract

Descriptive and/or collecting data are presented for ten Oriental taxa (37 specimens) of *Agathidium* PANZER which are deposited in the collection of the Naturhistorisches Museum, Vienna (Austria). *Agathidium* (*Microceble*) *schillhammeri* sp.n. is newly described from Indonesia (Sumatra).

**Key words:** Leiodidae, *Agathidium*, new species, new records, Oriental realm.

### Zusammenfassung

Zu zehn orientalischen Taxa der Gattung *Agathidium* PANZER werden Angaben zur Morphologie oder Verbreitung gemacht. Es werden 37 Exemplare aus Indien, Malaysia, Indonesien und den Philippinen angeführt, die in der Sammlung des Naturhistorischen Museums in Wien aufbewahrt sind. *Agathidium* (*Microceble*) *schillhammeri* sp.n. wird neu aus Indonesien (Sumatra) beschrieben.

### Introduction

Thanks to the courtesy of H. Schillhammer I am able to present here further data on the distribution and taxonomy of *Agathidium* PANZER of the Oriental realm. This results from the study of 37 specimens (9 species and 1 subspecies) collected by H. Schillhammer, St. Schödl, H. Zettel and R. Schuh in:

1 locality in India (Uttar Pradesh): 2 exs., 1 sp.

2 localities in Peninsular Malaysia: 3 exs., 1 sp.

9 localities in Indonesia (Sumatra, Siberut, Nias, Sulawesi): 29 exs., 6 spp.

1 locality in the Philippines (Luzon): 2 exs., 2 spp.

This material includes one new species, *Agathidium* (*Microceble*) *schillhammeri* sp.n. from Indonesia (Sumatra), which is described below.

The specimens are deposited in the Naturhistorisches Museum, Vienna (NMW), and in coll. Angelini (AC).

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***Agathidium (Microceble) schillhammeri* sp.n.** (Figs. 1 - 6)

**Holotype** ♂: "Indonesia, W-Sumatra, 25 km E Padang, 14.II.1991, Taman Raya Bung Hatta, leg. Schillhammer" (NMW).

**Paratypes:** Same data as holotype, 4 ♂♂, 1 ♀ (NMW), 2 ♂♂, 1 ♀ (AC); W-Sumatra, S Padang, Pantai Bungus, Waterfall, 23.II.1991, leg. Schillhammer, 2 ♀♀ (NMW).

Length 2.60 - 2.85 mm (holotype ♂: 2.70 mm). Dorsum uniformly reddish - brown or black, elytra dark reddish - brown; venter reddish - brown, mesosternum paler, antennae testaceous, segments 7 - 10 darker; legs testaceous. Head striolate only on clypeus; microreticulation missing on whole dorsum or present only in vague traces; punctures very small on whole dorsum.

**Head:** Widest at eyes' level. Striolate only on clypeus, microreticulation on dorsum missing or in vague traces. Punctures distinct, but very small, spaced by 1 - 10 times their diameter. Clypeal margin weakly excavate, antero-lateral margins raised, one small pit and a short groove at each side of clypeus. Eyes protuberant (Fig. 2). Third antennal segment 1.3 times as long as 2nd and as long as 4th and 5th together (Fig. 1).

**Pronotum:** Microreticulation on dorsum in vague traces or absent, puncturation as on head. 1.82 times as wide as head, moderately wider than long ( $W/L = 1.42$ ) and very convex ( $W/H = 1.42$ ). Anterior margin slightly curved (Fig. 3), lateral outline broadly curved (Fig. 4). Holotype: length 0.90 mm, width 1.28 mm, height 0.90 mm.

**Elytra:** Microreticulation in vague traces or absent, punctures as large as those on head, but sparser, spaced by 1 - 20 times their diameter. As wide as pronotum, little longer than wide ( $W/L = 0.98$ ) and moderately convex ( $W/H = 1.77$ ). Lateral outline with weak humeral angle, sutural striae absent. Holotype: length 1.30 mm, width 1.28 mm, height 0.72 mm.

Metathoracic wings present, longer than elytra.

**Meso- and metasternum:** Median carina clear, lateral lines absent, femoral lines incomplete, short, along middle of metasternum. Between metacoxae with distinct tubercle.

**Legs:** Hind femora rounded at posterior margin (Fig. 8). Tarsal formula 5-5-4 (♂), 5-4-4 (♀).

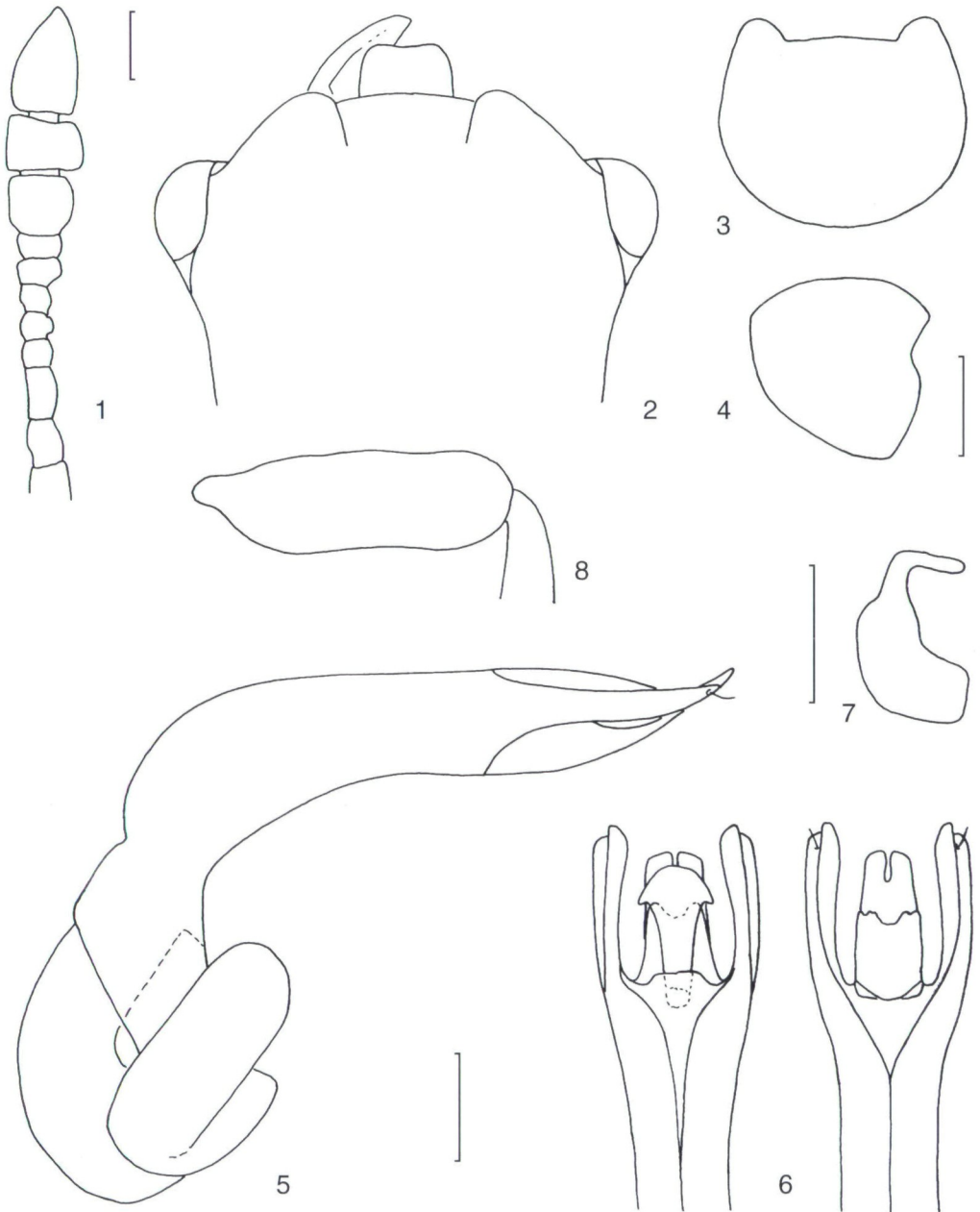
**Aedeagus:** Figs. 5 - 6.

**Spermatheca:** Fig. 7.

**Discussion:** *Agathidium schillhammeri* sp.n. is very close to *A. infuscatum* ANGELINI & DE MARZO, 1989, from Thailand by the presence of striolae on the clypeus, colouration of antennae, length ratio of third and second antennal segments and presence of metathoracic wings. It differs in lighter colouring of dorsum and in body length. Male copulatory organ and spermatheca give good distinctive features.

**Derivatio nominis:** Dedicated in hommage to Harald Schillhammer, Vienna.

**Distribution:** Indonesia (Sumatra).



Figs. 1 - 8: *Agathidium* (*Microceble*) *schillhammeri* sp.n.: (1) antenna, (2) head, (3 - 4) pronotum in (3) dorsal and (4) lateral view, (5 - 6) aedeagus in (5) lateral, (6) ventral and dorsal view of apex, (7) spermatheca, (8) male hind femora; scale bar represents 0.1 mm (Figs. 1 - 2, 5 - 8), or 0.5 mm (Figs. 3 - 4).

***Agathidium (Microceble) darbyi ssp. darbyi* ANGELINI & COOTER**

*Agathidium* (s.str.) *darbyi* ANGELINI & COOTER, 1985 The Sarawak Mus. Journ. 34 (55): 132.

*Agathidium (Microceble) darbyi*: ANGELINI & DE MARZO 1986: 453.

*Agathidium (Microceble) darbyi darbyi*: ANGELINI & DE MARZO 1993: 470.

**Material:** Philippines, Luzon, Los Banos, Mt. Makiling, 13.XI.1992, leg. Schillhammer & Zettel, 1 ♀ (NMW).

**Discussion:** This specimen agrees fully with the description of the types.

**Distribution:** Indonesia (Sumatra), E-Malaysia (Sarawak, Sabah), Philippines.

***Agathidium (Microceble) darbyi ssp. sulawesicum* ANGELINI & COOTER**

*Agathidium (Microceble) darbyi sulawesicum* ANGELINI & COOTER, 1993 Ent. Monthly Mag. 129: 71.

**Material:** Indonesia, S-Sulawesi, Env. Malino, E Ujung Pandang, 29.IV.1992, leg. Schödl, 1 ♂, 4 ♀♀ (NMW), 2 ♀♀ (AC); N-Sulawesi, Gunung Ambang Nature Reserve, 20.IV.1992, leg. Schödl, 1 ♀ (NMW).

**Discussion:** These new specimens agree fully with the description of the types.

**Distribution:** Indonesia (Sulawesi).

***Agathidium (Microceble) pahangense* ANGELINI**

*Agathidium (Microceble) pahangense* ANGELINI, 1990 Coleopt. Bull. 44 (3): 250.

**Material:** Malaysia, Prov. Pahang, "Gap" - Fraser Hill, 1050 m, 7.II.1992, leg. Schillhammer, 1 ♂ (NMW), 1 ♂ (AC); Prov. Pahang, Tioman Island, Kg. Tekek, 15. - 26.VII.1992, leg. Schuh, 1 ♂ (NMW).

**Discussion:** These new specimens agree fully with the description of the types.

**Distribution:** Peninsular Malaysia.

***Agathidium (Microceble) maculicolle* CHAMPION**

*Agathidium (Microceble) maculicolle* CHAMPION, 1924 Ent. Monthly Mag. 60: 161; HATCH 1929: 81.

*Agathidium* (s.str.) *maculicolle*: ANGELINI & DE MARZO 1985: 69.

*Agathidium (Microceble) maculicolle*: ANGELINI & DE MARZO 1986: 454.

**Material:** India, Uttar Pradesh, Nainital, 1900 m, leg. Schuh, 1 ♀ (NMW); Nainital, 2100 m, leg. Schuh, 1 ♀ (AC).

**Discussion:** These specimens agree fully with the redescription of the types (ANGELINI & DE MARZO 1985: 69).

**Distribution:** N-India (Uttar Pradesh, Kumaon).

***Agathidium (Microceble) opulentum* ANGELINI & DE MARZO**

*Agathidium (Microceble) opulentum* ANGELINI & DE MARZO, 1993 Rev. Suisse Zool. 100 (2): 480.

**Material:** Indonesia, W-Sumatra, 25 km E Padang, 14.II.1991, Taman Raya Bung Hatta, leg. Schillhammer, 1 ♀ (NMW), 1 ♂ (AC); W-Sumatra, S Padang, Pantai Bungus, Waterfall, 23.II.1991, leg. Schillhammer, 1 ♀ (NMW).

**Discussion:** These specimens agree fully with the description of the types.

**Distribution:** Indonesia (Sumatra).

***Agathidium (Microceble) poggii* ANGELINI**

*Agathidium (Microceble) poggii* ANGELINI, 1993 Ann. Mus. Civ. Stor. Nat. "G. Doria" 89: 209.

**Material:** Indonesia, S - Siberut, W Muarasiberut, Madobak, 19.II.1991, leg. Schillhammer, 1 ♀ (NMW); W - Sumatra, 70 km SE Padang, Gg. Talang, 1500 m, leg. Schillhammer, 1 ♂ (AC).

**Discussion:** The species was described from two specimens (♂ and ♀) from Sumatra (Si - Rambé); the recent specimens are similar to the types except for vague traces of microreticulation on pronotum.

**Distribution:** Indonesia (Sumatra, Siberut).

***Agathidium (Microceble) laticorne* PORTEVIN**

*Agathidium (Cyphocele) laticorne* PORTEVIN, 1922 Bull. Mus. Hist. Nat. 28: 58; PORTEVIN 1928: 32.

*Agathidium* (s.str.) *laticorne*: HATCH 1929: 66; HLISNIKOVSKY 1964: 200; ANGELINI & DE MARZO 1983: 162.

*Agathidium (Microceble) laticorne*: ANGELINI & DE MARZO 1986: 442.

**Material:** Indonesia, N - Sumatra, Sibolangit, 25.II.1990, leg. Schillhammer, 1 ♂ (NMW); N - Sumatra, Danau Toba, S Prapat, Lumban Julu, 18.II.1990, 1 ♀ (AC).

**Discussion:** These specimens agree fully with the description of the types.

**Distribution:** Pakistan, Nepal, Bhutan, India, Sri Lanka, Thailand, Vietnam, Peninsular Malaysia, E - Malaysia (Sarawak, Sabah), Singapur, Indonesia (Sumatra, Java).

***Agathidium (Microceble) mirificum* ANGELINI & DE MARZO**

*Agathidium (Microceble) mirificum* ANGELINI & DE MARZO, 1993 Rev. Suisse Zool. 100 (2): 481.

**Material:** Indonesia, W - Sumatra, Panti, 300 - 450 m, 5. - 6.II.1991, leg. Schillhammer, 1 ♂ (NMW); N - Sumatra, Sibolangit, 25.II.1990, leg. Schillhammer, 1 ♂ (AC); S - Nias, Lahusa, 11.II.1990, leg. Schillhammer, 1 ♂ (NMW).

**Discussion:** These new specimens agree fully with the description of the types.

**Distribution:** Indonesia (Sumatra, Nias).

***Agathidium (Microceble) angelinii* COOTER***Agathidium* (s.str.) *angelinii* COOTER, 1984 Ent. Month. Mag. 120: 69.*Agathidium (Microceble) angelinii*: ANGELINI & DE MARZO 1986: 453; 1993: 488; ANGELINI 1990: 253.**Material:** Philippines, Luzon, Los Banos, Mt. Makiling, 13.XI.1992, leg. Schillhammer & Zettel, 1 ♀ (NMW).**Discussion:** These new specimens agree fully with the description of the types.**Distribution:** E-Malaysia (Sabah), Philippines.**References**

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