

**First record of the Euaesthetine genus  
*Schatzmayrina* Koch in the Neotropics**  
(Coleoptera: Staphylinidae)<sup>1)</sup>

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Abstract: *Schatzmayrina brasiliانا* **n. sp.**, first record of this formerly only from the Ethiopian and Oriental region known Euaesthetine genus in the Neotropics, is described from Brazil, and a key to the genus including new distributional data is presented.

Zusammenfassung: *Schatzmayrina brasilianna* **n. sp.** wird aus Brasilien beschrieben, sie stellt den ersten Nachweis dieser bisher nur aus der Äthiopis und Orientalis bekannten Euaesthetinen-Gattung für die Neotropis dar. Ein Bestimmungsschlüssel der Gattung mit neuen Verbreitungangaben wird vorgelegt.

Key words: Coleoptera, South America, Staphylinidae, Euaesthetinae, *Schatzmayrina*, new species

**Introduction**

The Euaesthetine genus *Schatzmayrina* Koch was described 1934 from Egypt, later on from the Democratic Republic of Congo and from Angola (KISTNER 1961, 1962). First records from the Oriental region (India, Sri Lanka, Myanmar) have been published by PUTHZ (1978), who revised the hitherto known taxa, synonymized three of them and described two new subspecies. A second species of the genus (from the Ivory Coast) was described in 1989 by PUTHZ. New records from various

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<sup>1)</sup> 96<sup>th</sup> contribution to the knowledge of Euaesthetinae

countries (see below) made evident, that the genus is widely distributed in the Ethiopian and Oriental Region. The new species described here indicates that the genus has a worldwide distribution in the Southern Hemisphere (see map).

In the Euaesthetinae the genus *Schatzmayrina* belongs to the tribe *Euaesthetini* and may be distinguished as follows: Tarsi 4–4–4, abdomen margined, antennae 9-segmented (last 3 segments fused), labrum simple (without denticles) (see also KISTNER 1961).

Nearly nothing is known about the ecology of *Schatzmayrina*. According to the collecting data, these tiny beetles live in humid places in the edaphon and in plant debris, predominantly near rivers.

### **Material and methods**

In the description the following abbreviations are used: dE = distance between eyes; lEl = greatest length of elytra; lE = length of eyes; lG = length of genae; lH = length of head (from anterior margin of the clypeus to the posterior constriction of frons); lP = length of pronotum; lS = length of suture; lT = length of temples; PM = proportional measurements (1 unit = 0.0085 mm); wEl = greatest width of elytra; wH = width of head; wP = width of pronotum.

Acronyms for museums and private collections: cP = Private collection V. PUTHZ; MHNG = Muséum d'Histoire Naturelle de Genève; MNHN = Muséum National d'Histoire Naturelle, Paris; MNHU = Museum für Naturkunde, Berlin; NHML = The Natural History Museum, London; NHMW = Naturhistorisches Museum Wien; TMB = Természettudományi Múzeum, Budapest; TMSA = Transvaal Museum, Pretoria.

### **Acknowledgement**

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## Taxonomic part

### *Schatzmayrina brasiliana* n. sp.

Macropterous, reddish brown, elytra slightly darker posteriad, fore parts with a fine, extremely dense, granulose sculpture, abdomen very finely and densely punctate: pubescence very short, dense. Antennae and maxillary palpi yellow, legs reddish yellow.

Length: 1.2–1.4 mm (fore parts 0.75 mm).

Holotype (♀): Brazil: Amazonas: Manaus, Ilha de Marchantaria, 3°15'S, 59°58'W, in trunk trap directed downwards (arboreal photo-elector; ADIS 2002) during rising waters; trap mounted on tree trunk of *Pseudobombax munguba* (Bombaceae) in 3.5 m height inside the white-water inundation forest (ADIS 1997), 3.3.1982, J. ADIS: in the Instituto Nacional de Pesquisas da Amazônia, Manaus.

PM of HT: wH : 36.5; IH : 22; dE : 21.5; IE : 12; IT : 2; IG : 7; wP : 39; IP : 31; wEl : 59; lEl : 39; IS : 30.

Male: unknown.

Female: Sternite 8 rounded apically. Valvifer acute apically. Tergite 10 rounded. Spermatheca with a funnel shaped piece.

Head distinctly narrower than pronotum, frons moderately broad, convex, clypeus with a very shallow impression on each side and a weakly elevated median line between, anterior margin bisinuate; eyes large, moderately prominent, temples very short, about one sixth as long as eyes; punctuation fine and extremely dense. Last segment of antennae slightly less than twice as long as broad. Pronotum cordiform with four large longitudinal impressions, basal impressions indistinct; sculpture about as on head. Elytra much broader than head, subquadrate, much broader than long, shoulders rectangular, sides slightly widened, posterior margin broadly emarginate; punctuation slightly less deep than on pronotum and slightly extended longitudinally.

*Schatzmayrina brasiliana* n. sp. may be distinguished from the other representatives of the genus as follows:

- 1 (6) Eyes smaller, temples about half as long as eyes, clypeus simple.
- 2 (3) Posterior constriction of the pronotum less strong. ♂: Aedeagus broader (fig. 1, PUTHZ 1978). 1.1–1.3 mm *oxyclypea oxyclypea* Koch.

Egypt; Maroc (18 spec.: Agadir, 7.4.1974, BESUCHET: MHNG, cP); Gabun (1 ♀: Makokou, 18.1.1963, H. COIFFAIT: MNHNP); Ethiopia; Uganda (1 ♂: Mpanga Forest 25 mi N Kampala, Elephant grass under *Pinus* sp., 7.9.1965, W. C. BLOCK: NHML); Burundi (1 ♀: Mirwa Mts., Ndava, 5.3.1992, ARNDT: Museum Erfurt); Tanzania, Zanzibar; Kenya; Namibia (1 ♀: Kavango, Kandom Camp, 18°31'S, 20°43'E, 22.-25.2.1992, M. UHLIG: MNHU); South Africa (Transvaal/Limpopo: 1 ♀: Lepalata, 23°49'S, 20°17'E, under stones, 16.8. 1975, S. ENDRÖDY-YOUNGA no. 829; 1 ♀: Uitsoek, 25°25'S, 30°33'E, window trap, 6.2.1987, S. ENDRÖDY-YOUNGA no. 2422: TMSA); Yemen (2 ♀♀: Wadi Sharez, 2.1985, lg. coll. ROUGEMONT).

3 (2) Posterior constriction of the pronotum stronger. Aedeagus different.

4 (5) ♂: Median lobe shorter, apical portion indistinctly set off from the basal portion (fig. 3, PUTHZ 1978). 1.1–1.3 mm.

..... *oxyclypea indica* Puthz  
 India (22 ♂♂, 30 ♀♀: Madras: Anaimalai Hills, Biligiri Hills, Cardamom Hills, Nelliampathi Hills, diverse localities: MHNG, cP; 1 ♀: Madhya Pradesh: Bhopal, UV-light, 13.7.1992, J. P. CORNELL: coll. Cornell); Thailand (4 ♀♀: Khao Yai National Park NE of Bangkok, tamisage de débris végétaux et de mousses à proximité de cours d'eau, 28.11.1985; 3 ♀♀: Khao Khieo, 150 m, forêt assez sèche, tamisage de débris végétaux, 18.11.1985; 1 ♀: Collines à l'est de Heo Suwat Waterfalls, tamisage de débris végétaux à la lisière de la forêt, 1.12.1985, D. H. BURCKHARDT & I. LÖBL: MHNG, cP; 1 ♂, 4 ♀♀: Chiang Mai Prov.: Doi Pui, 1660 m, 17. 11.1986, P. SCHWENDINGER: MHNG, cP; 1 ♂: ibidem, 10.11. 1995, P. WUNDERLE: coll. WUNDERLE; 1 ♀: Erawan National Park, Erawan Waterfall, at light, 1.4.1994, Mahunka: TMB); Myanmar (1 ♀: Kachin State, ca. 12 km S. Putao, W Mularshidi village, 500-550 m, 27°15.13'N, 97°24.95'E, SCHILLHAMMER & SCHUH: NHMW); Malaysia (1 ♀ (cf. det.): Malacca, 13.1.1978, M. MAYER: MHNG).

5 (4) ♂: Median lobe longer, apical portion more distinctly set off from the basal portion (fig. 2, PUTHZ 1978). 1.3–1.7 mm.

..... *oxyclypea ceylonica* Puthz (Sri Lanka)

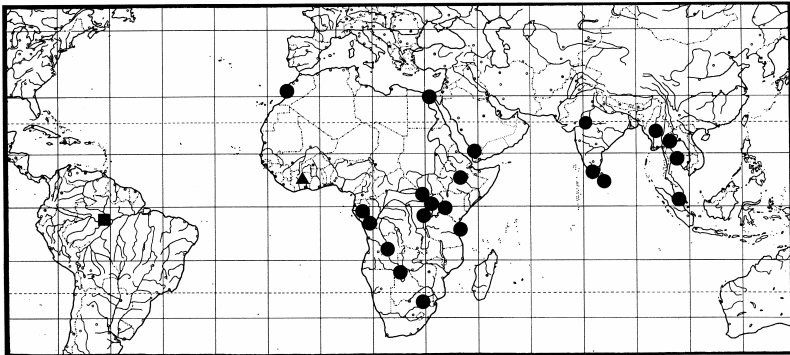
6 (1) Eyes larger, temples much shorter than half the length of eyes, clypeus with special characters.

7 (8) Pronotum slightly broader than head (wP : wH < 1.05), frons narrower (wH : dE < 1.5), clypeus with a small swelling antero-

- medially, elytra trapeziform (wEl : lEl < 1.3). ♂: Aedeagus (fig. 4, PUTHZ 1989). 1.0–1.3 mm ..... *boops* Puthz (Ivory Coast)
- 8 (7) Pronotum distinctly broader than head (wP: wH > 1.05), frons broader (wH : dE > 1.5), clypeus with a weakly elevated median line, elytra subquadrate (wEl : lEl > 1.4). ♂: unknown. 1.2–1.4 mm. .... *brasiliana* n. sp. (Brazil: Amazonas)

### Additional remark

1 ♂, 1 ♀ of a second Euaesthetine species has been found at the Ilha de Marchantaria, in emergence trap with floats on aquatic macrophytes (*Eichhornia crassipes*), 4.2.1982, J. ADIS # E 10: *Tamotus cariniceps* Puthz. This species was described from Paraguay and recently recorded from Ecuador (PUTHZ 2002): new to Brazil!



Distribution of the genus *Schatzmayrina* Koch: ● = *Schatzmayrina oxyclypea* Koch with its subspecies *S. oxyclypea indica* Puthz and *S. oxyclypea ceylonica* Puthz; ▲ = *S. boops* Puthz; ■ = *S. brasiliana* n. sp.

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