

Faunistic and taxonomic notes upon some histerids (Coleoptera, Histeridae)

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New records for particular species are given. *Platysoma celatum* has been transferred to the genus *Kanaarister*. The male genital structure is first time figured for *Hister capicola*, *H. castus* and *Eugrammicus proximus*, for *Campylorhabdus poggei* some morphological details are figured. The taxonomic status of *Hister castus* is discussed. *Eupoachylopus ripae* ab. *therskii* is synonymized with the nominative form. *Idister modigliani* is a distinct species.

Key words: faunistics, taxonomy, Histeridae, new records

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INTRODUCTION

This paper is a result of the elaboration of the own author's collection (CHSM). Some materials of the collection of Tomas Lackner were also used. Additionally, the results of the studies upon the type materials kept at the Museum of Natural History, London (UK) [MNHL] and the Muséum National d'Histoire naturelle, Paris (France) [MNHN] were presented here.

ANALYTICAL PART

Baconia venusta (LeConte, 1845)
Mexico: Chetumal, Quintana Roo, 7.10.2004, 3 exs., leg. M. Sawoniewicz [CHSM].
Known from the southern states of the USA. New to Mexico.

Nunbergia exosternoides Mazur, 1978
Argentina: Neo – Chaco – Charata Dept., Chacabuco – Pampa Avila, Nest von Schleiereule

- *Tyto alba* (Scop.), 21.09.1995, 1 male, 1 female, leg. Liebig [CHSM].
Known only from Brazil. New to Argentina.

Apobletes platessae Lewis, 1900
RSA: Natal, 1 ex., leg. Dr. Martin [CHSM].
Rarely collected, known from Tanzania. New to RSA.

Platysoma inexpectatum Lackner, 2004
Turkey: Mersin, 40 km N Gülnar, N 36°30'22.5; E 33°07'43.3, Kösecobanlı/Tasdüstü, hollow *Quercus*, 24-06-2006, 2 exs, leg. N. Jansson & M. Avcı [CHSM].
Described and recorded only from Syria as yet. New to Turkey.

Platysoma (Cylister) yunnanum (Kryzhanovskij, 1972)
China: Zhejiang prov., Lin'an County, W. Tianmu Shan N.R., 1000 m, 18.V.1996, 1 ex., leg. J. Cooter [CHSM].

Described and recorded only from Yunnan. New locality.

Kanaarister celatus (Lewis, 1884) comb. nov.
China: Guizhou prov., 20 km NW of Jiangkou, Fanjing Shan – Kuaichang, 27.V-3.VI.1995, 1 ex., leg. E. Jendek & O. Sausa [CHSM].
Recorded from Japan, Taiwan and south-eastern China: Guangdong, Zhejiang.
Note. Because of the sternal structure (short, widely sinuous mesosternum, absence of the post mesocoxal striae) this species should be transferred from *Platysoma* Leach to *Kanaarister* Mazur.

Idister modigliani Schmidt, 1894, bona sp.
Malaysia: Pahang distr., 30 km NE Raub, Lata Lembik, 3°56'N, 101°38'E, 200–400 m, 22.IV. – 1.V.2002, 3 exs, leg. E. Jendek & O. Sausa [CHSM, CHTL].
Described over a hundred years ago but still known only from the type locality: Indonesia, Palau Enggano Is. New to Malaysia.
Note. Considering almost same distribution of all the species Mazur (1997: 26) synonymized *I. modigliani* and *I. mendax* Lewis with *I. morphon* Marseul. In the next studies dealing with the genus *Idister* Marseul (Mazur & Ôhara, 2006: 35-36) the identity of *I. mendax* has been fully confirmed. Finding of the next specimens of *I. modigliani* in Malaysia allowed to state it is a distinct species.

Hololepta nepalensis Lewis, 1910
China: Fujian prov., Wuyi Shan Nat. Res., Quiligao – Guandan Road, 1000–1330 m, 1.06.2001, under bark of dead tree, 1 ex., leg. Hlavac & Cooter [CHSM].
Poorly known species, recorded from Nepal, Vietnam and Indonesia: Borneo. New to China.

Scapomegas gibbus Marseul, 1855
Paraguay: Colonia Indigena Chupa Pou, 11 km S of Ygatimi Dept., Canindeyu, 20-23.XI.1994, carcass bait trap, 1 ex., leg. B. Malkin; Dep. Alto Parana, Estancia Dimas, S 25°32.6', W 55°13.4', 17-22.02.2005, 1 ex., leg. U. Dreschel [CHSM].
A rare species, known only from Brazil as yet. New to Paraguay.

Hister capicola Marseul, 1854
A rare species, endemic to South Africa. To a better recognition the figures of the male genital structure of the type are given here (Figs. 1-5).
Type material. Male, 37, *Hister capicola*, Cap.[land], Museum Paris, col. de Marseul, 2842–90 [MNHN].
Other material studied. Südafrika, Somerset, West Cape Proviru, 28.10.1990, 1 ex., leg. A. Taubert [CHSM].

Hister castus Lewis, 1885
This species belongs to a specific species-group, including *H. castus*, *H. honestus* Lewis, 1908 and *H. martius* Lewis, 1885. After having studied the type of *H. honestus* the author (Mazur, 2007: 139) followed the Bickhardt's supposition that this species might have been belong to the genus *Eudiplister* Reitter, 1909. Bickhardt (1919: 84) also suggested that all these three species were identical. To resolve this problem the author also studied the types of *H. castus* and *H. martius*, finding any substantial external differences between them. Unfortunately, only the type of *H. castus* was a male (one male was also studied by Penati & Vienna, 2006: 24), so now it is almost impossible to confirm the identity of the species mentioned.

Having most of the external characters of *Eudiplister*, *H. castus* differs, however, from the Palearctic representatives of the genus *Eudiplister* by a different structure of the male edeagus, especially in ratio of basal piece to parameres (Figs. 6-11).

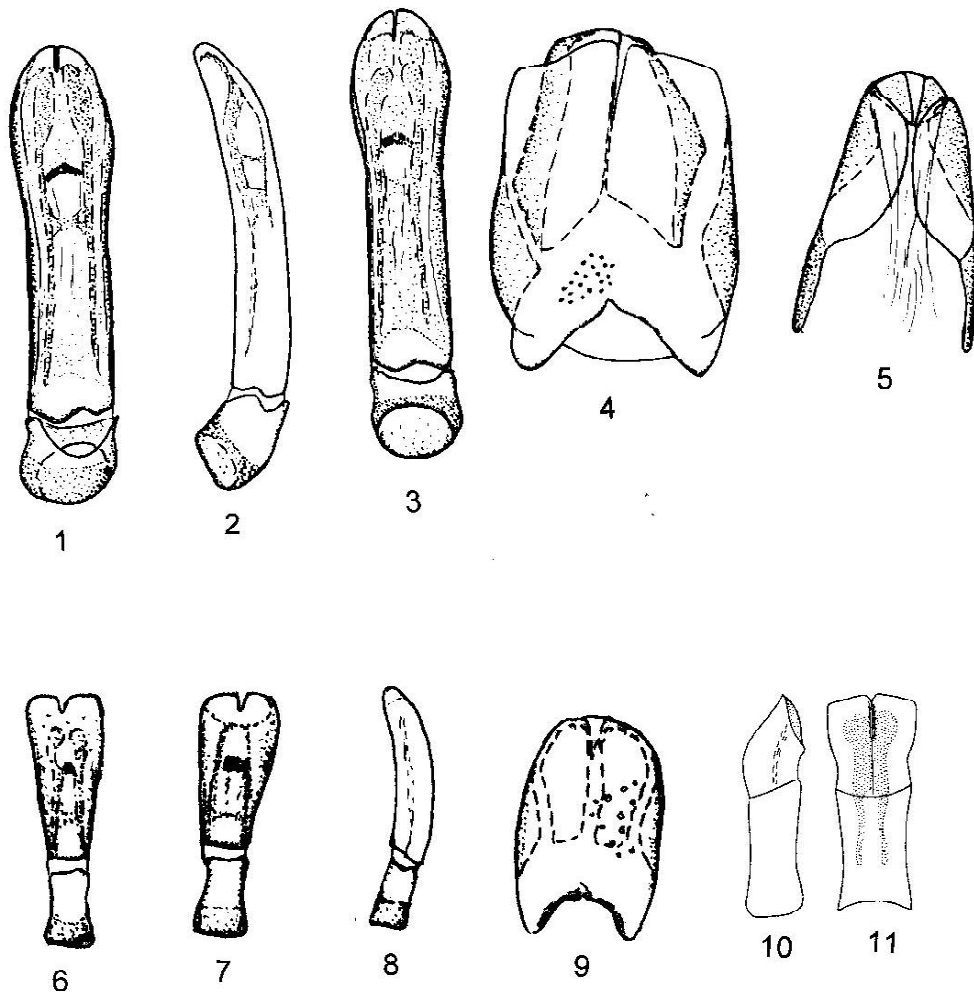
If this character is confirmed on larger materials, there will be, probably, a need to create a new genus for these three (or only one?) species.

Type material.
Hister castus: Male, [Saudi Arabia] Arabia, El Hejaz [El Hahaz], [leg.] Millingen, *Hister castus* Lewis, Type, G. Lewis Coll., B.M. 1926-369 [MNHL].

Hister martius: Female, [Ethiopia] Abyssinia, [leg.] Raffray, *Hister martius* Lewis, Type, G. Lewis Coll., B.M. 1926-369 [MNHL].

Other material studied. [Malawi] Nyassa-See, Kigonsera, 1 ex. [CHSM].

Campylorrhaddus poggei (Harold, 1878)



Figs. 1-11. Genital structure of the male. 1-5 – *Hister capicola*, 6-9 – *H. castus*, 10, 11 – *Eudiplister planulus*. 1-3, 6-8, 10, 11 – edeagus, 4, 9 – 8th segment, 5 – 9th and 10th tergites, 1, 6 – dorsally, 3, 7, 11 – ventrally, 2, 8, 10 – laterally.

The genital male genital structure of this rare species was presented earlier (Mazur, 2008: 45, figs. 21-25). Additionally, some details of the external morphology are figured here (Figs. 12-15).

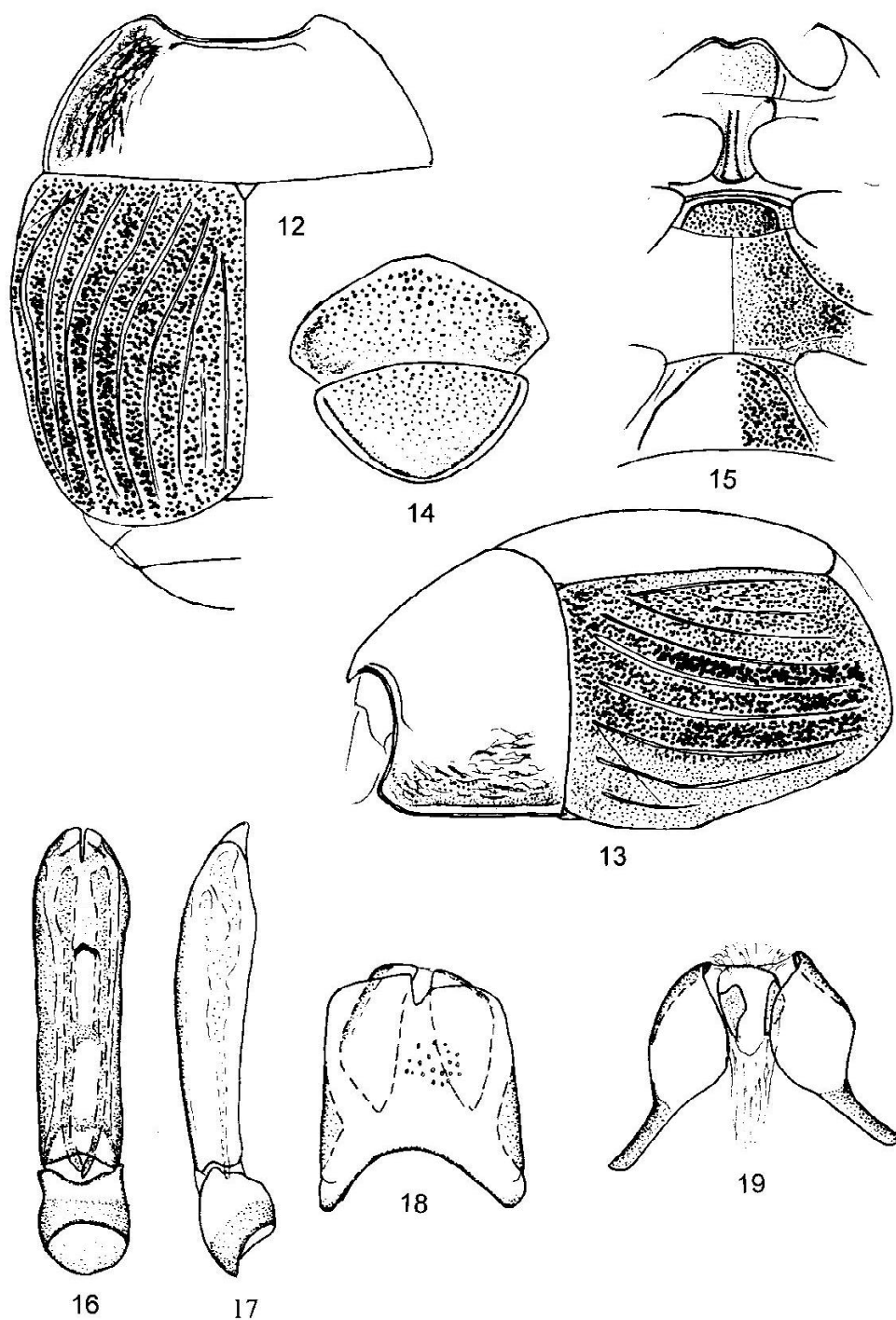
Material studied. Malawi, Chitipa Distr., Jembya reserve, 18 km SSE Chisenga, 10-08 S, 33-27 E, 1870 m, 1-10 Jan. 1989, 1 ex., leg. J. Rawlins & S. Thompson; Zambia, 8-9.12.2004, 1 ex., leg. K. Werner [CHSM].

Eugrammicus proximus (Lewis, 1906)

A rare African species, one of two representatives of the genus, the genital structure for which has never been studied before (Figs. 16-19).

Type material. Male, Niger, Warri, March [18]96, Dr. Roth, *Contipus proximus* Lewis, Type, George Lewis Coll., B.M. 1926-369 [MNHL].

Other material studied. [Tanzania], Uamgebiet, Bosum, 21-30.4.[19]14, 1 ex., leg. S. Tessmann [CHSM].



Figs. 12-19. 12-15 – *Campylorrhabdus poggei*. 16-19 – *Eugrammicus proximus*. 12 – upper side, 13 – body, laterally, 14 – pro- and pygidium, 15 – under side, 16, 17 – edeagus, 18 – 8th segment, 19 – 9th and 10th tergites, 16 – ventrally, 17 – laterally

Nagelius carinicornis (Lewis, 1893)

Laos: Bolikhamsai prov., Ban Nape, 16.07.2006, 18°20'N, 105°E, 1 ex., leg. Jendek & Sausa [CHSM].

Rare species, known only from Borneo. New to Laos.

Diplostix vicaria (Cooman, 1935)

Taiwan: Nantou Hsien, NTU Exp. Forest, *Cunninghamia lanceolata*, Nei-mou-pu Trap, pheromon trap, 26.07.2004, 1 ex., [CHSM].

Recorded from Indochina (Vietnam, Thailand, Laos), Indonesia (Java) and China (Yunnan). New to Taiwan.

Chaetabraeus controversus (Cooman, 1935)

Laos: Bolikhamsai prov., Bon Nape, 16.07.2006, 18°20' N, 105°E, 3 exs, leg. E. Jendek & O. Sausa [CHSM, CHTL].

Rarely collected, known from Vietnam and Thailand. New to Laos.

Plegaderus vulneratus (Panzer, 1797)

China: Heilongjiang prov., Quing Yuan, ca 30 km S Lang Xian, 46°47.470' N, 129°03.823' E, ca 600-700 m, 25-29.V.2005, 2 exs, leg. J. Cooter [CHSM]. Forest zone of the Palearctis. New to China.

Acritus nepalensis Gomy, 1976

India: Uttar Pradesh, 2 km E de Dhamolti, 2250 m, 21.X.1979, 1 ex., Kumaon, Rangarh, env. 2000 m, 9.X.1979, 1 ex., leg. I. Löbl [CHSM].

Nepal. New to India.

Acritus punctisternus Wenzel & Dybas, 1941

Panama: Barro Colorado, 5 exs., Gamboa, 5 exs., leg. K. Burchard [CHSM].

Described and recorded only from Colombia. New to Panama.

Acritus tuberisternus Cooman, 1932

Japan: Ryukyus, Kuroshima, 8.12.2008, under bark, 2 exs, leg. S. Mazur & M. Ôhara [CHSM].

Widely distributed in the Indo-Pacific region (Mauritius, Sri Lanka, India, Myanmar, Vietnam, Laos, Malaysia, Taiwan). New to Japan.

Saprinus subcoeruleus Théron, 1978

China: Tibet, South-west Himalaya Mts., Dongpa, 4500 m, 11.VII.1997, 3 exs, leg. L. Bieber [CHSM]. A poorly known species, described and recorded so far only from Nepal. New to China.

Eopachylopus ripae (Lewis, 1885)

China mer., Hongkong, 1993, 1 ex., leg. G. de Rougemont [CHSM].

Known from Russia : Primorskiy Kray, South Korea and Japan. New to China.

Note. When describing Lewis (1885: 469) noted that it occurred in two color forms: "Some example are unicolorous, others have a red band across the middle of the elytra". The last from was described first by Reichardt (1941: 407) as ab. *therskii* Reichardt and later by Osawa (1952: 4) as f. *rufofasciatus* Osawa. The last name has been synonymized with *Eopachylopus ripae* by Mazur (2004: 24). Thus, *Eopachylopus ripae* ab. *therskii* Reichardt, syn. nov. of *E. ripae* (Lewis).

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REFERENCES

- Bickhardt H. 1919. Die Histerini des aethiopischen Faunengebiets (Col, Histeridae) (41. Beitrag zur Kenntnis der Histeriden). Abhandlungen und Bericht des Vereins für Naturkunde zu Cassel. 81-83(1916-1919): 1-158.
- Lewis G. 1885. New species of Histeridae, with synonymical notes. The Annals of Natural History. 5(15): 456-473.
- Mazur S. 1997. A world catalogue of the Histeridae. Genus, Suppl. 1997, 373 pp.
- Mazur S. 2004. Histeridae, pp. 68-102. In: I. Löbl & A. Smetana (editors): Catalogue of

-
- Palearctic Coleoptera, Vol, 2, Stenstrup:
Apolo Books, 942 pp
- Mazur S. 2007. Notes on some African Histerini
(Coleoptera: Histeridae) with description of
a new genus *Quassarus* gen. n. Studies and
reports of District Museum Prague-East,
Taxonomical Series. 3(1-2): 129-140.
- Mazur S. 2008. Notes on some African Histerini
(Coleoptera: Histeridae). Baltic Journal of
Coleopterology. 8(1): 41-47.
- Mazur S., Ôhara M, 2006. Notes on the genera
related to *Idister* Marseul, 1880 (Coleoptera,
Histeridae). Annals of Warsaw Agricultural
University – SGGW, Forestry and Wood
Technology, 60: 35-38.
- Osawa S. 1952. On some species of Histeridae
from Japan and its adjacent district (Col.).
The Entomological Review of Japan. 6: 4-6.
- Penati F., Vienna P. 2006. An updated catalogue
of the Histeridae (Insecta: Coleoptera) of the
Arabian Peninsula, with biogeographical
remarks. Zootaxa, 1157: 1-74.
- Reichardt A. 1941. Sem. Sphaeritidae I Histeridae
(chast' 1). In: Fauna SSSR, Nesekomye
zhestkokrylye, V, 3. Moskva-Leningrad: Izd.
Akademii Nauk SSSR, xiii+419 pp.
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