

**The Scientific Results of the Hungarian Soil Zoological Expeditions*
to South America**
22. The species of the family Histeridae (Coleoptera)

By S. MAZUR, Warszawa

The present paper is based on materials collected during the first Hungarian soil zoological expedition in the years 1965–1966, namely in Paraguay, Chile and Argentina. From this expedition 173 specimens of Histeridae, belonging to 38 species, were investigated. One of the species, belonging to a new genus, is new to science; and the greater part of localities extend our knowledge of distribution of some species.

For allowing me to examine of the histerid-beetles I wish to express my gratitude to Mr Dr Zoltán KASZAB of the Hungarian Natural History Museum in Budapest.

List of species

***Acritus tuberculatus* WENZ. et DYB.**

Acritus tuberculatus WENZEL & DYBAS, Field Mus. nat. Hist., Zool. Ser., vol. 22, p. 439, 1941

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 1 specimen under bark of trees, leg. S. MAHUNKA.

Distribution: Guiana, Dutch Guiana, Columbia, Brazil. New to Paraguay.

***Euspilotus bisignatus* (ER.)**

Saprinus bisignatus ERICHSON, in Klug. Jahrb. Ins., vol. 1, p. 177 1834; *Euspilotus bisignatus* LEWIS, Ann. Mag. nat. Hist. (7), vol. 19, p. 320, 1907; *Saprinus Matthewsii* CURTIS, Trans. Linn. Soc. Lond., vol. 19, p. 441, 1845.

Material: Chile, prov. Valparaiso, between Concón and Quintero, 14. XII. 1965, 9 specimens from trees and bushes, leg. S. MAHUNKA; prov. Santiago, El Manzano, 30. X. 1965, 3 specimens in horse manure, leg. I. LOKSA and S. MAHUNKA.

Distribution: Argentina, Chile.

***Euspilotus decoratus* (ER.)**

Saprinus decoratus ERICHSON, in Klug. Jahrb. Ins., vol. 1, p. 176, 1834; *Euspilotus decoratus* LEWIS, Ann. Mag. Nat. Hist., (7), vol. 19, p. 320, 1907.

* The present article deals with the material of the First Expedition (1965–66). Leader: Prof. Dr. J. BALOGH; participants: Dr. I. ANDRÁSSY, Dr. I. LOKSA, Dr. S. MAHUNKA and Dr. A. ZICSI.

Material: Chile, prov. Tarapaca, Azapa, 18-22. XI. 1965, 7 specimens on riverside of Rio Lauca, leg. S. MAHUNKA and A. ZICSI; 22. XI. 1965, 5 specimens in and around camps, mostly from fish-meal, leg. S. MAHUNKA.

Distribution: Bolivia, Chile, Peru.

Euspilotus limatus (MARS.)

Saprinus limatus MARSEUL, Ann. Soc. ent. Belg., vol. 13, p. 119, 1870; *Euspilotus limatus* BICKHARDT, Ent. Bl., vol. 6, p. 186, 1910.

Material: Chile, prov. Tarapaca, Azapa, 18-22. XI. 1965. 1 specimen on riverside of Rio Lanca, leg. S. MAHUNKA and A. ZICSI.

Distribution: Brazil, Uruguay, Argentina. New to Chile.

Hesperosaprinus connectens (PAYK.), comb. nov.

Hister connectens PAYKULL, Monogr. Histeroid., p. 35, t. 4, f. 6, 1811; *Saprinus connectens* ERICHSON, in Klug. Jahrb. Ins., vol. 1, p. 186, 1834.

Material: Argentina, prov. Córdoba, Fanti, Sierra de Córdoba, 11. I. 1966, 1 specimen from horse manure, leg. S. MAHUNKA.

Distribution: Argentina, Brazil.

Note: In consideration of its prosternal striation and presence of prosternal foveae this species ought to belong to the genus *Hesperosaprinus* WENZ. (WENZEL, in ARNETT, Beetles of the USA, p. 375, 1962)

Hesperosaprinus blandus (ER.), comb. nov.

Saprinus blandus ERICHSON, in Klug. Jahrb. Ins., vol. 1, p. 188, 1834.

Material: Paraguay, Puerto Presidente Stroessner, 6. I. 1966, 3 specimens in human excrement-trap in jungle, leg. I. LOKSA and S. MAHUNKA.

Distribution: Guatemala, Columbia, Panama, Brazil. Not recorded from Paraguay as yet.

Note: This species belongs also to the genus *Hesperosaprinus* WENZ.

Hesperosaprinus pavidus (ER.), comb. nov.

Saprinus pavidus ERICHSON, in KLUG. Jahrb. Ins., vol. 1, p. 187, 1834; *Saprinus piceus* BLANCHARD, Voy. d'ORBIGNY. Col. p. 71, 1837-1843.

Material: Argentina, prov. Córdoba, Fanti, Sierra de Córdoba, 11. I. 1966, 1 specimen from horse manure, leg. S. MAHUNKA.

Distribution: Argentina, Brazil.

Note: The prosternal striae are the same as in the previous species, but punctuation of pronotum and elytral striation resemble rather those of *Priscosaprinus* WENZ.

Bacanius scalptus LEW.

Bacanius scalptus LEWIS, Biol. Centr. - Amer. Col. vol. 2 (1), p. 237, t. 7, f. 10, 1888.

Material: Paraguay, Villa Hayes, 50 km N from Asunción, along the "Canatera Transchaco", 1. I. 1966, 4 specimens in débris of decaying tree-stumps lying along roadside, leg. I. LOKSA.

Distribution: Cuba, Mexico, Guatemala, Columbia, Argentina, Brazil. New to Paraguay.

Carcinops troglodytes (PAYK.)

Hister troglodytes PAYKULL, Monogr. Histeroid., p. 46, t. 10, f. 1, 1811; *Paromalus troglodytes* ERICHSON, in KLUG. Jahrb. Ins., vol. 1, p. 169, 1834; *Carcinops troglodytes* MARSEUL, Monogr. Histér., p. 92, t. 8 (XII), f. 5, 1855; *Dendrophilus minutus* FAHRAEUS, in Boheman

Ins. Caffr., vol. 1, p. 552, 1851; *Epiurus rubripes* BOHEMAN, Eugen. Resa, Ins., vol. 1, p. 37, 1858; *Carcinops palans* MARSEUL, Monogr. Histér., p. 8, t. 15 (XXIV), f. 7, 1862.

Material: Chile, prov. Tarapaca, Azapa, 18. XI. 1965, 1 specimen on riverside of Rio Lauca from drying sheep-dung, leg. I. LOKSA.

Distribution: South America, South Africa, New Guinea, Mariannas Islands, Philippines, New Caledonia, Hawaii. Not recorded from Chile before.

Carcinops tenellus (ER.)

Paromalus tenellus ERICHSON, in KLUG, Jahrb. Ins., vol. 1, p. 170, 1834; *Carcinops tenellus* MARSEUL, Monogr. Histér., p. 94, t. 8 (XXII), f. 7, 1855; *Hister corticalis* LECONTE, Ann. Lyc. nat. Hist. New York, vol. 5, p. 163, 1851; *Carcinops corticis* MARSEUL, Monogr. Histér., p. 712, 1862.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 7 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: California, Mexico, Columbia, Venezuela, Argentina. As yet not recorded from Paraguay.

Carcinops misellus MARS.

Carcinops misellus MARSEUL, Monogr. Histér., p. 95, t. 8 (XXII), f. 8, 1855; *Carcinops miser* MARSEUL, Monogr. Histér., p. 14, 1862.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 7 specimens from under bark of trees, leg. S. MAHUNKA; Asunción, Botanical Garden, 2. I. 1966, 2 specimens, leg. S. MAHUNKA.

Distribution: Honduras, Guatemala, Panama, Columbia, Argentina, Brazil. New to Paraguay.

Carcinops miserulus MARS.

Carcinops miserulus MARSEUL, Monogr. Histér., p. 14, t. 9 (XXIV), f. 15, 1862.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 1 specimen from under bark of trees, leg. S. MAHUNKA.

Distribution: Honduras, Guatemala, Columbia. Not recorded from Paraguay before.

Isolomalus inunctus (MARS.)

Paromalus inunctus MARSEUL, Monogr. Histér., p. 23, t. 9 (XXV), f. 5, 1861; *Isolomalus inunctus* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 6. I. 1966, 2 specimens from under bark of trees in jungle, leg. S. MAHUNKA.

Distribution: Mexico, Brazil. New to Paraguay.

Isolomalus irregularis (SCHMIDT)

Paromalus irregularis SCHMIDT, Berlin. ent. Z., vol. 41, p. 64, 1896; *Isolomalus irregularis* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965 and 6. I. 1966, 15 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Brazil. Not recorded from Paraguay.

Isolomalus addendus (SCHMIDT)

Paromalus addendus SCHMIDT, Berlin. ent. Z., vol. 41, p. 65, 1896; *Isolomalus addendus* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965 and 6. I. 1966, 4 specimens from under bark of trees, leg. S. MAHUNKA and I. LOKSA.

Distribution: Brazil. New to Paraguay.

Isolomalus concentricus (MARS.)

Paromalus concentricus MARSEUL, Ann. Soc. ent. Belg., vol. 13, p. 100, 1870; *Isolomalus concentricus* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 1 specimen from under bark of trees, leg. S. MAHUNKA.

Distribution: South America, Brazil. New to the Paraguayan fauna.

Note: BICKHARDT in WYTSMAN, Gen. Ins., fasc. 166b, p. 119, 1917 mistakenly wrote it occurs in „Mittel – Amerika“. In MARSEUL's key to the species of *Paromalus*, Ann. Soc. ent. Belg., vol. 13, p. 107 is written „Amér. mér.“

Isolomalus ?infimus (MARS.)

Paromalus infimus MARSEUL, Monogr. Histér., p. 112, t. 8 (XXIII), f. 6, 1855; *Isolomalus infimus* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 1 specimen from under bark of trees, leg. S. MAHUNKA.

Distribution: Central America.

Isolomalus rugigenius (MARS.)

Paromalus rugigenius MARSEUL, Ann. Soc. ent. Belg., vol. 13, p. 99, 1870; *Isolomalus rugigenius* LEWIS, Ann. Mag. nat. Hist., (7), vol. 19, p. 316, 1907.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 2 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Brazil. New to Paraguay.

Isolomalus sp.

Material: Chile, prov. Santiago, Curacavi, 72 km W from Santiago de Chile, 15. I. 1966, 1 specimen on sawanna with *Acacias*, leg. I. LOKSA.

Note: Probably a new species, but correct identification is impossible without general revision of the species of this genus.

Epierus tersus ER.

Epierus tersus ERICHSON, in Klug. Jahrb. Ins., vol. 1, p. 161, 1834.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 8 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Argentina, Brazil. New to Paraguay.

Epierus notius MARS.

Epierus notius MARSEUL, Monogr. Histér., p. 560, t. 8 (XXIII), f. 6, 1861.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 7 specimens from under bark of trees; Asunción, Botanical Garden, 2. I. 1966, 5 specimens, leg. S. MAHUNKA.

Distribution: Venezuela, Brazil. New to Paraguay.

Epierus vagans MARS.

Epierus vagans MARSEUL, Monogr. Histér., p. 563, t. 8 (XXIII), f. 9, 1861.

Material: Paraguay, Puerto Presidente Stroessner, 26–28. XII. 1965, 4 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Mexico, Venezuela, Nicaragua, Argentina. New to the Paraguayan fauna.

Epierus planulus ER.

Epierus planulus ERICHSON, in KLUG. Jahrb. Ins., vol. 1, p. 162, 1834; *Epierus decipiens* LECONTE, Ann. Lyc. Nat. Hist. New York, vol. 5, p. 164, 1851; *Epierus nasutus* HORN, Synopsis, p. 301, 1873.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 6 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: California, Mexico, Guatemala, Honduras, Columbia, Venezuela, Peru, Argentina, Paraguay.

Epierus rhinoceros MARS.

Epierus rhinoceros MARSEUL, Ann. Soc. ent. Belg., vol. 13, p. 92, 1870.

Material: Chile, prov. Coquimbo, Los Vilos, 5. XII. 1965, 3 specimens, leg. A. ZICSI.

Distribution: Chile.

Epierus pubifrons HINT.

Epierus pubifrons HINTON, Ent. News, vol. 16, p. 52, 1935.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 7 specimens from under bark of trees; on the way between Asunción and Puerto Presidente Stroessner, 25. XII. 1965, 3 specimens, leg. S. MAHUNKA.

Distribution: Mexico. New to Paraguay.

Epierus brasiliensis (TARSIA)

Plagiogramma brasiliense TARSIA in Curia, Ann. Mus. Zool. Univ. Napoli, n. s., vol. 6, p. 1, 1935; *Epierus brasiliense* WENZEL & DYBAS, Field Mus. nat. Hist., Zool. Ser., vol. 22, p. 447, 1941.

Material: Brazil, Paraná, Foz do Iguazú, Iguazú Waterfalls, 5. I. 1966, 3 specimens, leg. I. LOKSA.

Distribution: Brazil.

Idolia punctisternum LEW.

Idolia punctisternum LEWIS, Ann. Mag. nat. Hist., (5), vol. 16, p. 215, 1885.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965 and 6. I. 1966, 3 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Brazil. New to Paraguay.

Hololepta humilis PAYK.

Hololepta humilis PAYKULL, Monogr. Histeroid., p. 109, t. 13, f. 2, 1811.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 1 specimen from under bark of trees; Asunción, Botanical Garden, 2. I. 1966, 1 specimen, leg. S. MAHUNKA.

Distribution: Venezuela, Argentina, Brazil. Not recorded from Paraguay before.

Hololepta aradiformis ER.

Hololepta aradiformis ERICHSON, in KLUG. Jahrb. Ins., vol. 1, p. 93, 1834.

Material: Paraguay, Puerto Presidente Stroessner, 26-28. XII. 1965, 5 specimens from under bark of trees, leg. S. MAHUNKA.

Distribution: Mexico, Honduras, Guatemala, Panama, French Guiana, Argentina, Brazil. New to Paraguay.

Omalodes foveola ER.

Omalodes foveola ERICHSON, in KLUG. Jahrb. Ins., vol. 1, p. 120, 1834.

Material: Paraguay, on the way between Asunción and Puerto Presidente Stroessner, 25. XII. 1965, 2 specimens along roadside; Puerto Presidente Stroessner, 26-28. XII. 1965, 2 specimens, leg. S. MAHUNKA.

Distribution: Columbia, Guiana, Peru, Bolivia, Brazil, Paraguay.

Hister punctifer PAYK.

Hister punctifer PAYKULL, Monogr. Histeroid., p. 25, t. 4, f. 1, 1811.

Material: Paraguay, Puerto Presidente Stroessner, 6. I. 1966, 1 specimen in human excrement-trap in jungle, leg. I. LOKSA and S. MAHUNKA.

Distribution: Bolivia, Brazil. New to Paraguay.

Phelister rufinotus MARS.

Phelister rufinotus MARSEUL, Monogr. Histér., p. 170, t. 4 (XV), f. 13, 1861.

Material: Paraguay, Puerto Presidente Stroessner, 7. I. 1966, 3 specimens, leg. A. ZICSI; 28-29. XII. 1965, 1 specimen, leg. S. MAHUNKA and A. ZICSI.

Distribution: Argentina, Brazil. New to Paraguay.

Note: One specimen differs from the remaining ones in having almost complete black elytrae.

Phelister globiformis MARS.

Phelister globiformis MARSEUL, Monogr. Histér., p. 483, t. 14 (XIII), f. 15, 1853.

Material: Paraguay, Puerto Presidente Stroessner, 5. I. 1966, 2 specimens, leg. J. BALOGH and S. MAHUNKA.

Distribution: Venezuela. New to Paraguay.

Phelister balzani SCHM.

Phelister balzani SCHMIDT, Ann. Mus. Stor. nat. Genova, (2), vol. 7, p. 112, 1889.

Material: Argentina, prov. Córdoba, Fanti, Sierra de Córdoba, 11. I. 1966, 1 specimen from stems of *Stipa*, leg. I. LOKSA.

Distribution: Argentina.

Phelister trigonisternus MARS.

Phelister trigonisternus MARSEUL, Bull. Soc. ent. France, p. CXXXIX, 1889.

Material: Paraguay, on the way between Asunción and Puerto Presidente Stroessner, 25. XII. 1965, 1 specimen, leg. S. MAHUNKA.

Distribution: South America. New to Paraguay.

Note: Data on the distribution given by BICKHARDT in WYTSMAN, Gen. Ins., fasc. 166b, p. 219 as „Mittel-Amerika“ is erroneous. MARSEUL wrote in his original description (loc. cit.) „Amérique mérid“.

Phelister chilicola MARS.

Phelister chilicola MARSEUL, Ann. Soc. ent. Belg., vol. 13, p. 79, 1870.

Material: Chile, prov. Valparaiso, Concón, 5 km from Concón on road leading to Quintero, 10. X. 1965, 5 specimens, leg. I. ANDRÁSSY, I. LOKSA and S. MAHUNKA.

Distribution: Chile, Argentina.

Note: One of the above specimens has entirely black elytrae.

Phelister panamensis LEC.

Phelister panamensis LECONTE, Proc. Acad. nat. Sci. Philad., p. 311, 1859; *Phelister panamae* MARSEUL, Monogr. Histér., p. 707, 1862.

Material: Panama, Cristóbal Colón, 12. IX. 1965, 15 specimens, leg. S. MAHUNKA.
Distribution: Mexico, Guatemala, Nicaragua, Panama, Venezuela.

Phelister stercoricola BICKH.

Phelister stercoricola BICKHARDT, Ent. Bl., vol. 5, p. 223, 1909.

Material: Argentina, between Rosario and Santa Fe along highway no. 11, prov. Santa Fe, 22. XII. 1965, 1 specimen; Fanti, Sierra de Córdoba, prov. Córdoba, 11. I. 1965, 1 specimen, leg. S. MAHUNKA.

Distribution: Uruguay, Argentina.

Kaszabister gen. n.

Body elongate-oval, convex, not pubescent. Pronotum without lateral striae, marginal stria distinct, impressed at sides. Elytrae longer than the pronotum, with elytral striae. Propygidium and pygidium convex. Prosternal lobe short, margined anteriorly. Prosternum narrow with distinct, not united carinal striae. Anterior margin of mesosternum straight, a marginal stria distinct. Legs short, the middle and posterior tibiae not dilated, with some spinules at outer margin. All tarsi with one claw.

This genus belongs to the tribe Hetaeriomorphini and traces to *Termitolister* BRUCH, but the pronotum without lateral striae, carinal striae not united anteriorly and the anterior margin of mesosternum straight, without median projection.

The genus is named in honor of Dr ZOLTÁN KASZAB of the Hungarian Natural History Museum in Budapest and the name is of the masculine gender.

Type species: *Kaszabister mahunkai* sp. n.

Kaszabister mahunkai sp. n.

Body rusty-red, shining, suture and the base of pronotum black. Forehead smooth, strongly margined at sides. Epistoma very short. First segment of antenna as long as the remaining ones, antennal club oval, tomentose.

Pronotum wider than long, rounded at sides, rarely and microscopically punctured, its anterior margin deeply sinuous. Marginal stria complete, strongly impressed at sides, a little finer behind the head.

Elytrae 1.5 times as long as the pronotum, distinctly, rather deeply punctured with fine microsculpture intermixed. Elytral striae 1-3 complete, punctate, the 4th a little abbreviated anteriorly, the 1st strongly impressed posteriorly. Sutural stria fine, abbreviated anteriorly, extends one half of elytral length. Humeral stria fine, oblique. Inner subhumeral one very distinct, extending to humeral stria. Outer subhumeral stria complete, distinctly impressed. Marginal and epipleural ones complete.

Propygidium strongly punctured with a microsculpture intermixed. The punctures are great, with a flat bottom. Pygidium more deeply punctate, the punctures smaller.

Prosternal lobe short, finely margined anteriorly. Prosternum smooth, narrow, the carinal striae distinct, not united, strongly divergent anteriorly and posteriorly. Mesosternum smooth, distinctly margined with a complete marginal stria, and with a broadly triangular stria at middle. Metasternum microscopically punctate, with two semicircular lines behind the middle coxae.

The anterior femora flattened, longer than tibiae. Protibiae feebly dilated, with 7-8 short spinules at outer margin and with one apical spinule; meso- and metatibiae not dilated, the mesotibia with 2-3 spinules at outer margin and with one apical spinule, the metatibia with one apical spinule only. The 5th joint of all tarsi as long as the remaining ones, with one claw.

Length: PE-2.2 mm; total: 2.8 mm; width: 1.9 mm.

Holotype: A female collected in Argentina, prov. Córdoba, Fanti, Sierra de Córdoba, 11. I. 1966 by S. МАНУНКА. In the collection of the Hungarian Natural History Museum.

Author's address: S. MAZUR

Institute of Forest and Wood Protection
Warsaw Agricultural University
Rakowiecka 26/30
Warszawa 12
Polska