

Appendix S2. List of examined material and literature in PDF (Portable Document Format) format (.pdf)

The examined taxa were listed under the traditional classification. Type genus of a tribe or subfamily (*); type species of a genus (§). Almost all the taxa were used for character coding, but those of the two genera (i.e., *Tachinoporus*, *Tachinoproporus*) were based on observations only. Their original data are removed here, but alternatively included in the main article. The “glass card” refers to the style mentioned in Maruyama (2004).

A total of four different sources were used for the extraction of the morphological information in this study. They were classified into the four types as follows:

Data (*P*): Dry, pinned specimens.

Data (*S*): Slide specimens, mounted on a glass slide.

Data (*W*): Wet specimens, preserved in 70~80% EtOH (ethyl alcohol) solution.

Data (*R*): References, extracted from the literature.

Abbreviations:

A [black]: adult.

A, B, or C [red, top of slide]: larval types of *Sepedophilus* with which these adults were associated (see Newton, 1984).

CB: Canada balsam mounting medium [usually an error for Kleermount®, a synthetic histological mounting medium].

PM: Permount®, a synthetic histological mounting medium.

R: right.

W: wing.

Institutions:

BMNH: The Natural History Museum, London (M. F. Geiser).

FMNH: The Field Museum of Natural History, Chicago (J. Snyder).

FMNH, cAN: The Field Museum of Natural History, Chicago (private collection of A. F. Newton).

FMNH, cMT: The Field Museum of Natural History, Chicago (private collection of M. K. Thayer).

MHNG: Muséum d'Histoire Naturelle, Genève (G. Cuccodoro).

NHMW: Naturhistorisches Museum Wien (H. Schillhammer).

NSMT, cSN: National Museum of Nature and Science, Tsukuba, Japan (private collection

of S. Nomura).

Ingroup:

Tachyporine Group of subfamilies

Subfamily Tachyporinae MacLeay, 1825

Tribe Deropini Smetana, 1983

Genus *Derops* Sharp, 1889*

Derops divalis (Sanderson, 1947)

Present classification. Tachyporinae; Deropini; *Derops*.

Data type. P + S + R.

Data (P). 1 male: “Winslow, Ark. | June 8, 1946 | M.W. Sanderson” < handwritten in rectangular small white label >, “Devils Den ST. | PK. Debris | in crevices” < handwritten in rectangular small white label >, “PARATYPE | Rimulincola [handwritten] | divalis [handwritten] | Sanderson [handwritten] | ♂ [handwritten]” < printed in rectangular small blue label, not dissected > (FMNH); 1 female: “Winslow, Ark. | Mar. 30, 1941 | M.W. Sanderson” < handwritten in rectangular small white label >, “Devil’s Den | State Park | Debris in crevice” < handwritten in rectangular small white label >, “PARATYPE | Rimulincola [handwritten] | divalis [handwritten] | Sanderson [handwritten] | ♀ [handwritten]” < printed in rectangular small blue label, not dissected > (FMNH); 1 male: “III. Union Co. | 1 mi E Wolf | Lake 8.V.76 | A. Smetana” < printed in rectangular small white label >, “A. Newton | Collection” < printed in rectangular small green label >, “Rimulincola [handwritten] | divalis Sand. [handwritten] | A. Newton det. 1978” < printed in rectangular small blue label, not dissected > (FMNH).

Data (S). 1 female: “♀ A | ~~Derops~~ | ~~Rimulincola~~ | divalis Sand. | ARK.: Wash. Co. | Devil’s Den St. | Pk, July 13, | 1949 deep crev- | ices, damp deb. [debris] | Sand. + Stan. | CB” < directly handwritten on the slide > (FMNH, cAN).

Data (R). Sanderson (1947).

Derops longicornis Sharp, 1889[§]

Present classification. Tachyporinae; Deropini; *Derops*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “Kikuchi-valley. | Kumamoto-pref. | 11. iv. 1981 | S. Naomi leg.” < printed in rectangular small white label >, “*Derops longicornis* | Sharp, 1889 | det. S. Yamamoto, 2019” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “Kikuchi-valley. | Kumamoto-pref. | 11. iv. 1981 | S. Naomi leg.” < printed in rectangular small white label, directly pasted on the slide >, “*Derops longicornis* | Sharp, 1989 | Det. S. Yamamoto, 2017” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Naomi (1986); Watanabe (1985).

Derops yaeyamanus Kishimoto, 2001

Present classification. Tachyporinae; Deropini; *Derops*.

Data type. P + S + R.

Data (P). 1 male, 2 females: “JAPAN: RYŪKYŪ, | Kampire fall, Taketomi-chô, | Okinawa-ken, 19. IV. 2014, | S. Yamamoto leg.” < printed in rectangular small white label >, “*Derops yaeyamanus* | Kishimoto, 2001 | det. S. Yamamoto, 2014” < printed in rectangular small green label, not dissected > (KUM).

Data (S). 1 male, 1 female: “Kikuchi-valley. | Kumamoto-pref. | 11. Iv. 1981 | S. Naomi leg.” < printed in rectangular small white label, directly pasted on the slide >, “*Derops yaeyamanus* | Kishimoto, 2001 | det. S. Yamamoto, 2014” < printed in rectangular small green label, directly pasted on the slide > (FMNH).

Data (P). Kishimoto (2001).

Tribe Megarthropsini Cameron, 1919

Genus *Lacvietina* Herman, 2004

Lacvietina takashii (Hayashi, 2003)

Present classification. Tachyporinae; Tachinusini; *Lacvietina*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “JAPAN: RYŪKYŪ, | Okinawa-ken, Ishigaki-shi, | Mt. Omoto-dake, | 31.iii.2014, S. Yamamoto” < printed in rectangular small white label, not dissected > (KUM).

Data (S). 2 males: “JAPAN: RYŪKYŪ, | Okinawa-ken, Ishigaki-shi, | Mt. Omoto-

dake, | 31.iii.2014, S. Yamamoto” < printed in rectangular small white label, directly pasted on the slide >, “*Lacvietina takashii* | (Hayashi, 2003) | det. Yamamoto, 2014” < printed in rectangular small green label, directly pasted on the slide > (FMNH); 2 females: “JAPAN: RYŪKYŪ, | Mt. Omoto-dake, Ishigaki-shi, | Okinawa-ken, 15. IV. 2014, | S. Yamamoto leg., shifting” < printed in rectangular small white label, directly pasted on the slide >, “*Lacvietina takashii* | (Hayashi, 2003) | det. S. Yamamoto, 2017” < printed in rectangular small green label, directly pasted on the slide > (FMNH).

Data (R). Hayashi (2003); Herman (2004).

Genus *Megarthropis* Cameron, 1919*

Megarthropis decorata Cameron, 1919[§]

Present classification. Tachyporinae; Tachinusini; *Megarthropis*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “BORNEO SABAH Mt. | Kinabalu N.P. Sum- | mit Trail 1890m | A. Smetana” < printed in rectangular small white label >, “FIELD MUSEUM | ex collection of | H. G. Nelson” < printed in rectangular small white label >, with additional identification label for the male specimen: “*Megarthropis* [handwritten] | *decorata* [handwritten] | det. A. Newton 2015 01 [01, handwritten]” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Megarthropis* | *decorata* | Cameron | BORNEO: Sabah: | Mt. Kinabalu | N. P., Summit | Trail 1890m | A. Smetana | PM” < directly handwritten on the slide >, < with additional green round seal on the right side: “3.01 [handwritten; it means that the slide was made by Al. Newton on March 2001.] >” (FMNH, cAN).

Data (R). Herman (2004).

Genus *Nepaliodes* Coiffait, 1977

Nepaliodes solangelae Herman, 2004

Present classification. Tachyporinae; Tachinusini; *Nepaliodes*.

Data type. P + R.

Data (P). 2 females: “Dam B’Ri (by Tullgrenf.) | (ca. 800m), Lam Dong. P. | [S-VIETNAM] | 30. v. 2002, S.Nomura leg.” < printed in rectangular small white label, not

dissected > (NSMT, cSN); 1 female: “Dam B’Ri (ca. 800m) | LamDong. Prov. | [S-VIETNAM] | 1. vi. 2002, S.Nomura leg.” < printed in rectangular small white label, not dissected > (NSMT, cSN); 1 female: “Dam B’Ri (ca. 800m) | Lam Dong Prov. | [S-VIETNAM] | 2. v., 2003, S.Nomura leg.” < printed in rectangular small label >, < with an additional glass card mounted on the abdominal terminalia > (NSMT, cSN).

Data (R). Herman (2004).

Genus *Peitawopsis* Smetana, 1992

Peitawopsis monticola Smetana, 1992[§]

Present classification. Tachyporinae; Tachinusini; *Peitawopsis*.

Data type. P + R.

Data (P). 1 male: “TAIWAN Pingtung Hsien | Pietawushan, Kuai-Ku | Hut 2325m 22.V.1991 | A. Smetana [T90]” < printed in rectangular small white label >, “PARATYPE | *Peitawopsis* [handwritten] | *monticola* [handwritten] | A. Smetana 1991 [1991, handwritten]” < printed in rectangular small yellow label, not dissected > (FMNH); 1 male: “TAIWAN, Pingtung | Hsien, Peitawushen | Kuai-Ku Hut 2135m | 30.IV.1992 | A. Smetana [T108]” < printed in rectangular small white label >, “*Peitawopsis* [handwritten] | *monticola* Smet. [handwritten] | det. A. Smetana 1993 [93, handwritten]” < printed in rectangular small white label, not dissected > (FMNH).

Data (R). Herman (2004).

Tribe Mycetoporini Thomson, 1859

Genus *Bolitobius* Leach, 1819

Subgenus *Bolitobius* Leach, 1819

Bolitobius castaneus castaneus (Stephens, 1832)[§]

Present classification. Mycetoporinae; *Bolitobius*.

Data type. P + S + R.

Data (P). 1 female: “Topla | Paganetti” < printed in rectangular small white label >, “*analys* Payk [handwritten] | det. Bernh.” < printed in rectangular small white label >, “*Bolitobius* [handwritten] | *castaneus* (STEPH) [handwritten] | det. M.Schülke 19 92 [92,

handwritten]” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, < with an additional glass card mounted on the abdominal terminalia > (FMNH); 1 male: “Kamenno | Paganetti” < printed in rectangular small white label >, “*analis* Ndm [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection”, “*Bolitobius* [handwritten] | *castaneus* (STEPH) [handwritten] | det. M.Schülke 19 92 [92, handwritten]” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “Lausitz | Finsterwld.” < printed in rectangular small white label, directly pasted on the slide >, “*Bryocharis | analis* Payk” < handwritten in rectangular small white label, directly pasted on the slide >, “♂” < handwritten in rectangular small white label, directly pasted on the slide >, “CNHM 1955 | Eduard Knirsch | Palaearctic Colln.” < printed in rectangular small white label, directly pasted on the slide >, “*Bolitobius* [handwritten] | *castaneus* (STEPH) [handwritten] | det. M.Schülke 19 92 [92, handwritten]” < printed in rectangular small white label, directly pasted on the slide >, “*Bolitobius* | (*Bolitobius*) | *castaneus castaneus* | (Stephens, 1832) | Tachyporinae: | Mycetoporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Schülke (2010).

Genus *Bolitopunctus* Campbell, 1993

Bolitopunctus sp.

Present classification. Mycetoporinae; *Bolitopunctus*.

Data type. P.

Data (P). 1 male: “USA: CA: Riverside Co., | San Jacinto Mts., Lake | Fulmor, ca. 15 km NW | Idyllwild, 33°48.56'N, | 116°46.3'W, 1530 m;” < printed in rectangular small white label >, “oak grove in pine forest; | 26.III.1999, litter in swale | at base of boulders | S. & J. Peck 99-112 | FIELD MUS. NAT. HIST.” < printed in rectangular small white label >, “*Bolitopunctus* [handwritten] | n. sp. [handwritten] | det. Newton 2001” < printed in rectangular small white label, not dissected > (FMNH).

Genus *Bryophacis* Reitter, 1909

Bryophacis smetanai Campbell, 1993

Present classification. Mycetoporinae; *Bryophacis*.

Data type. P + S + R.

Data (P). 1 male: “Arizona. | Graham Mts. | May 18 1969 | K. Stephan leg.” < printed in rectangular small white label >, “Field Mus. Nat. Hist. | Karl H. Stephan | Collection, 1977 | Acc. No. Z-15, 639” < printed in rectangular small white label >, “PARATYPE | *Bryophacis* | *smetanai* | J.M.Campbell 1991” < printed in rectangular small yellow label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Bryophacis* | *smetanai* Champ. | (PM ←)” < directly handwritten on the slide >, “N.H.: Coos Co., 0.7mi | s Jefferson Notch | at Jefferson Brook, | 880m, 17.ix.1983 | mixed conif.-hdwd. | A. Newton, M. Thayer” < printed in rectangular small white label, directly pasted on the slide >, “berl. forest | leaf & log | litter” < printed in rectangular small white label, directly pasted on the slide >, < with additional comment: “PM” [directly handwritten on the slide] > (FMNH, cAN).

Data (R). Campbell (1993a).

Genus *Bryoporus* Kraatz, 1857

Bryoporus cf. *orientalis* Cameron, 1937

Present classification. Mycetoporinae; *Bryoporus*.

Data type. P + S.

Data (P). 2 males, 1 female: “INDONESIA: Bali Is., | Gerokgak, | Bendungan Gerokgak, | 24-27 III 2005, | SUZUKI W. (FIT)” < printed in rectangular small white label >, “*Bryoporus* cf. *orientalis* | Cameron, 1937 | det. S. Yamamoto, 2019” < printed in rectangular small white label, not dissected > (KUM); 1 male, “INDONESIA: Bali Is., | Gerokgak, | Bendungan Gerokgak, | 28-29 III 2005, | SUZUKI W. (FIT)” < printed in rectangular small white label >, “*Bryoporus* cf. *orientalis* | Cameron, 1937 | det. S. Yamamoto, 2019” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “INDONESIA: Bali Is., | Gerokgak, | Bendungan Gerokgak, | 24-27 III 2005, | SUZUKI W. (FIT)” < printed in rectangular small white label, directly pasted on the slide >, “*Bryoporus* cf. *orientalis* | Cameron | det. M. Schülke, 2007” < printed in rectangular small green label, directly pasted on the slide > (FMNH); 1 female: “INDONESIA: Bali Is., | Gerokgak, | Bendungan Gerokgak, | 28-29 III 2005, | SUZUKI W. (FIT)” < printed in rectangular small white label, directly pasted on the slide >, “*Bryoporus* cf. *orientalis* | Cameron, 1937 | Det. M. Schülke, 2007” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Bryoporus rufescens LeConte, 1863

Present classification. Mycetoporinae; *Bryoporus*.

Data type. P + S + R.

Data (P). 1 male: “NEW JERSEY: Morris | Co.: Newfoundland | leg. W. Suter. | 16:VIII:1979.” < printed in rectangular small white label >, “WS#79-29B. | Sphagnum | under tamarack.” < printed in rectangular small white label >, “Bryoporus | rufescens | LeConte | Det. J.M.Campbell” < printed in rectangular small white label, not dissected > (FMNH); 1 male: “TENN.: Sevier Co. | Gatlinburg | v.17-22.1972 3200’ [3200’, handwritten]” < printed in rectangular small white label >, “Grotto Falls | Trail” < handwritten in rectangular small white label >, “under bark | elm? [handwritten] | A. Newton” < printed in rectangular small white label >, “Bryoporus [handwritten] | rufescens LeC. [handwritten] | Det. J.M.Campbell” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “KENTUCKY: Edmonson | Co.; Mammoth Cave Nat’l. | Pk. Cabin Woods. Leg: | W. Suter. 111:29:1974.” < printed in rectangular small white label >, “FM(HD)#74-57. | WS #74-24g. Ber.: | Subcortical & basal | stump” < printed in rectangular small white label >, “Bryoporus | rufescens | LeConte | Det. J.M.Campbell” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | Bryoporus | rufescens | TEX.: Bastrop Co. | Buescher St. Pk. | VI.15-16.1973 | berl., litter, oak- | pine forest | A. Newton | PM” < directly handwritten on the slide > (FMNH, cAN).

Data (R). Campbell (1993a).

Genus *Canariobolitobius* Schülke, 2004

Canariobolitobius filicornis (Wollaston, 1864)

Present classification. Mycetoporinae; *Canariobolitobius*.

Data type. P + R.

Data (P). 1 male: “Tenerife | Santa Ursula | 3. 2. 49 Lindberg” < printed in rectangular small white label >, “Mycetoporus | monilicornis | Woll.” < handwritten in rectangular small white label >, “ex coll. | Scheerpeltz” < handwritten in rectangular small blue label >, “Mycetoporus sp. [sp., handwritten] | nec monilicornis [handwritten] | Woll. [handwritten] | Det. J. M. Campbell” < printed in rectangular small white label >, “BRYOPHACIS | sp. 5 [handwritten] | M. Kocian det. 94 [94, handwritten]” < printed in rectangular small white label >, “Bryophacis” | filicornis (Wollaston) | det. M. Schülke

2002” < printed in rectangular small white label >, <with an additional plastic card mounted on the abdominal terminalia > (NHMW); 1 male: “Tenerife, Pico | del Teide | 2600-3000m” < printed in rectangular small white label >, “ “Bryophacis” | filicornis (Wollaston) | det. M. Schülke 2002” < printed in rectangular small white label, not dissected > (NHMW); 1 unsexed: ~~“Mocan-a bei Valverde | Isla del Hierro | lg.H. Franz”~~ < printed in rectangular small white label >, “ “Bryophacis” | filicornis (Wollaston) | det. M. Schülke 2002” < printed in rectangular small white label, not dissected > (NHMW); 1 unsexed: “El Hierro | La Dehesa” < printed in rectangular small white label >, “ “Bryophacis” | filicornis (Wollaston) | det. M. Schülke 2002” < printed in rectangular small white label, not dissected > (NHMW).

Data (R). Schülke (2004).

Genus *Carphacis* Gozis, 1886

Carphacis effrenatus Herman, 2001

Present classification. Mycetoporinae; *Carphacis*.

Data type. P + S + R.

Data (P). 1 male: “Ledyard, Ct. | 19. V. 1977 [handwritten] | Larry Watrous” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Smith Sta., La | Porte Co., IND. | 23:V:53 [handwritten]” < printed in rectangular small white label >, “under piece | of wood on freshly cut | maple stump” < handwritten in rectangular small white label >, “Carphacis | intrusus (Horn) | Det. J.M. | Campbell 1978” < handwritten in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | Carphacis | intrusus | (PM ←)” < directly handwritten on the slide >, “MASS.:Middlesex Co. | Lincoln | 15. vi. 1982 [handwritten] | A. Newton, M. Thayer” < printed in rectangular small white label, directly pasted on the slide >, “on mushrooms: | Tricholomopsis | platyphylla” < printed in rectangular small white label, directly pasted on the slide >, < with additional comment: “PM” [directly handwritten on the slide] > (FMNH, cAN).

Data (R). Campbell (1980, as *C. intrusus*); Herman (2001).

Genus *Ischnosoma* Stephens, 1829

Ischnosoma splendidum (Gravenhorst, 1806)[§]

Present classification. Mycetoporinae; *Ischnosoma*.

Data type. P + S + R.

Data (P). 1 male: “Cro. Bernh. | Fuzine 97” < printed in rectangular small white label >, “splendidum G. [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, <with an additional plastic card mounted on the abdominal terminalia > (FMNH); 1 female: “USA: S. Dak., Pen- | ington Co., N. Roch- | ford, Irish Gulch, | 26-V-1980,” < printed in rectangular small white label >, “FMHD #80-3149, wil- | low scrub litter at | creek, W. S. Suter” < printed in rectangular small white label >, “*Ischnosoma | splendidum* | (Gravenhorst) | Det. J.M.Campbell 1990” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 female: “USA: S. Dak., Custer | Co., 16mi W Mud | Springs Rd. facili- | ty, 24-V-1980,” < printed in rectangular small white label, directly pasted on the slide >, “FMHD #80-3134, under | cedar & pine, W. S. | Suter” < printed in rectangular small white label, directly pasted on the slide >, “*Ischnosoma | splendidum* | (Gravenhorst) | Det. J.M.Campbell 1990” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “USA: S. Dak., Pen- | ington Co., N Roch- | ford, Irish Gulch, | 26-V-1980,” < printed in rectangular small white label, directly pasted on the slide >, “FMHD #80-3152, | litter on aspen log | on slope, W. S. | Suter” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1991).

Genus *Lordithon* Thomson, 1859

Lordithon lunulatus (Linnaeus, 1760)

Present classification. Mycetoporinae; *Bobitobus*.

Data type. P + S + R.

Data (P). 1 female, 1 unsexed: “SPAIN, Puerto de la | Bonaigua (hotel de los | Abletos). El Pallars,” < printed in rectangular small white label >, “Pireneos Orientales | 1400 m.20-28.VII 1973 | Borys Molkin” < printed in rectangular small white label >, “carcass bait | traps” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia, only for the female > (FMNH); 1 male: “Bernh.Bosn. | Trebovic.” < printed in rectangular small white label >, “*Lunulatus* L. [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago

NHMus | M.Bernhauer | Collection” < printed in rectangular small white label > (FMNH).

Data (S). 1 male: “SPAIN, Puerto de la | Bonaigua (hotel de los | Abletos). El Pallars,” < printed in rectangular small white label, directly pasted on the slide >, “Pireneos Orientales | 1400 m.20-28.VII 1973 | Borys Molkin” < printed in rectangular small white label, directly pasted on the slide >, “carcass bait | traps” < printed in rectangular small white label, directly pasted on the slide >, “*Lordithon | lunulatus* | (Linnaeus, 1761)” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1982).

Lordithon thoracicus thoracicus (Fabricius, 1777)[§]

Present classification. Mycetoporinae; *Lordithon*.

Data type. P + S + R.

Data (P). 3 males: “California: | Butte Co., | M & T Ranch | 5.v. 60” < handwritten in rectangular small white label >, “ex. shelf fungus” < handwritten in rectangular small white label >, “Coll. (leg.) [leg., handwritten] | D. H. Kistner | Field No.” < printed in rectangular small white label >, “*Lordithon | thoracicus* (Fab.) [handwritten] | det. J.M. Campbell | 1978” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia, only for the single male > (FMNH); 1 unsexed: “California: | Butte Co., | Chico, | 12-III-60 [handwritten]” < printed in rectangular small white label >, “gill fungus” < printed in rectangular small white label >, “Coll. | D. H. Kistner” < printed in rectangular small white label >, “*Lordithon | thoracicus* (Fab.) [handwritten] | det. J.M. Campbell | 1978” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 2 females: “California: | Butte Co., | M & T Ranch | 5.v. 60” < handwritten in rectangular small white label, directly pasted on the slide >, “ex. shelf fungus” < handwritten in rectangular small white label, directly pasted on the slide >, “Coll. (leg.) [leg., handwritten] | D. H. Kistner | Field No.” < printed in rectangular small white label, directly pasted on the slide >, “*Lordithon | thoracicus* (Fab.) [handwritten] | det. J.M. Campbell | 1978” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1982).

Genus *Mycetoporus* Mannerheim, 1830*

Mycetoporus punctus (Gravenhorst, 1806)[§]

Present classification. Mycetoporinae; *Mycetoporus*.

Data type. P + S.

Data (P). 1 male: “BADGASTEIN | GRAVENEGG” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Mycetoporus | punctus (Gravenhorst) | det. M. Schülke 2004” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH); 1 female: “HOHE TAUERN | KOETSCHACHTAL | BERNHAUER” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Mycetoporus | punctus (Gravenhorst) | det. M. Schülke 2004” < printed in rectangular small white label, not dissected > (FMNH); 2 unsexed: “TI. OETZTAL | OB.-GURGL | VII. 36. BERNH” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Mycetoporus | punctus (Gravenhorst) | det. M. Schülke 2004” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “HOHE TAUERN | ANLAUFTAL | BERNHAUER” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Mycetoporus | punctus (Gravenhorst) | det. M. Schülke 2004” < printed in rectangular small white label > (FMNH).

Genus *Neobolitobius* Campbell, 1993

Neobolitobius varians (Hatch, 1957)[§]

Present classification. Mycetoporinae; *Neobolitobius*.

Data type. P + S + R.

Data (P). 1 male [both of the antennae originally lost]: “Corvallis, Ore. | I-24-35 | Coll. J. Schuh” < printed in rectangular small white label >, “C.N.H.M. 1960 | Borys Malkin | Coleoptera Colln.” < printed in rectangular small white label >, “Neobolitobius | varians | (Hatch) | Det. J.M.Campbell” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Eugene Ore | 7. III. 42” < handwritten in rectangular small white label >, “C. N. H. M. 1960 | Borys Malkin | Coleoptera Colln.” < printed in rectangular small white label >, “Neobolitobius | varians | (Hatch) | Det. J.M.Campbell” < printed in rectangular small white label >, < with an additional glass card mounted on

the abdominal terminalia > (FMNH).

Data (S). 1 female: “McMinnvilleOre | 2 15 1941 [each separated by ‘|’; handwritten, except “19”] | KM & DM Fender” < printed in rectangular small white label, directly pasted on the slide >, “C.N.H.M. 1960 | Borys Malkin | Coleoptera Colln.” < printed in rectangular small white label, directly pasted on the slide >, “Neobolitobius | varians | (Hatch) | Det. J.M.Campbell” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1993a).

Genus *Parabolitobius* L.-Z. Li, M.-J. Zhao & Sakai, 2000

Parabolitobius formosus (Gravenhorst, 1806)

Present classification. Mycetoporinae; *Parabolitobius*.

Data type. P + S.

Data (P). 1 male: “Cro. Bernh. | Capella 97” < printed in rectangular small white label >, “Formosa Gr. [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, “Bolitobius [handwritten] | formosus (Gr) [handwritten] | det. M. Schülke 19 92 [92, handwritten]” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “1 | 97” < printed in rectangular small white label >, “Olomouc | Tschechoslow. [Czechoslovakia]” < handwritten in rectangular small white label >, “*Br. | formosa | Grav.*” < handwritten in rectangular small white label, folded in three times >, “Field Mus. Nat. Hist. | 1966 | A. Bierig Colln. | Acc. Z-13812” < printed in rectangular small white label >, “Bolitobius [handwritten] | formosus (Gr) [handwritten] | det. M. Schülke 19 92 [92, handwritten]” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH).

Data (S). 1 male: “Karakau | Natterer” < printed in rectangular small white label, directly pasted on the slide >, “formosa Gr [handwritten] | det. Bernh.” < printed in rectangular small white label, directly pasted on the slide >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, directly pasted on the slide >, “Bolitobius [handwritten] | formosus (Gr.) [handwritten] | det. M. Schülke 19 92 [92, handwritten]” < printed in rectangular small white label, directly pasted on the slide >, “*Parabolitobius | formosus* | (Gravenhorst, 1806) | Tachyporinae: | Mycetoporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Tribe Tachyporini MacLeay, 1825

Genus *Austrotachinus* Steel, 1956

Austrotachinus fuscipes Steel, 1956^s

Present classification. Tachyporinae; Tachinusini; *Austrotachinus*.

Data type. P + R + W.

Data (P). 1 female: “AUSTRALIA: Queensland: | Windsor Tableland. 42 km | from highway, 16°15'13"S, | 145°02'16"E, 10.xi-26.xii.” < printed in rectangular small white label >, “1983, MDPI FIT site 14a, | Storey & Watford-Higgins | FIELD MUS. NAT. HIST.” < printed in rectangular small white label >, “*Austrotachinus* [handwritten] | n. sp. 3 [handwritten] | det. A. Newton 2015” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “AUSTRALIA: New South | Wales: South East Forest | N.P., Wog Way, 2.0 km | from Coolangubra Forest | Way, 806m, 37°00.038'S,” < printed in rectangular small white label >, “149°3.772'E, 23.xi-1.xii. | 2013, moist *Eucalyptus* | forest w/ tree ferns & dense | ground ferns; FMHD# | 2013-70 (ANIC Bulk#” < printed in rectangular small white label >, “4090), flight intercept trap, | A. Newton, M. Thayer, A. | Seago; ANMT site 1252 | FIELD MUS. NAT. HIST.” < printed in rectangular small white label >, “*Austrotachinus* [handwritten] | M.K.Thayer det.2014” < printed in rectangular small white label, not dissected > (FMNH).

Data (W). 1 female: “Mts. above (SW) | Atherton, Q. | Feb.7,'58 3-4000' [Feb.7,'58, handwritten] | Darlington's” < printed in rectangular small white label >, “*Austrotachinus* [handwritten] | *fuscipes* Steel [handwritten] | A.Newton det. 1977” < printed in rectangular small white label >, with additional comments on the back of this label: “ex series [i.e., the specimen is from a series of specimens at MCZ] | MCZ (♂, ♀)” < handwritten >, “wing folding staph. | “A”, LL [“A” here is Al. Newton's informal term for typical staphylinid wing folding pattern (highly asymmetrical, compact, left + right wings broadly overlapping), and “LL” likely means “left long”, referring to which wing has the longest second fold. (the other type is “B”, where the wings are folded symmetrically and with only partial overlap, as in Scaphidiinae)]” < handwritten in rectangular small white label, fully dissected and disarticulated > (FMNH, cAN).

Data (R). Steel (1956).

Genus *Cilea* Jacquelin du Val, 1856

Cilea limbifera (Motschulsky, 1858)

Present classification. Tachyporinae; Vatesini; *Cilea*.

Data type. P + S.

Data (P). 2 males, 2 females: “JAPAN: RYŪKYŪ, | Akaishi, Ishigaki-shi, | Okinawa-ken, 15. IV. 2014, | S. Yamamoto (cattle dung)” < printed in rectangular small white label >, “*Cilea limbifera* | (Motschulsky, 1858) | det. S. Yamamoto, 2014” < printed in rectangular small green label, not dissected > (FMNH).

Data (S). 1 male, 2 females: “JAPAN: RYŪKYŪ, | Akaishi, Ishigaki-shi, | Okinawa-ken, 15. IV. 2014, | S. Yamamoto (cattle dung)” < printed in rectangular small white label, directly pasted on the slide >, “*Cilea limbifera* | (Motschulsky, 1858) | det. S. Yamamoto, 2014” < printed in rectangular small green label, directly pasted on the slide > (FMNH).

Cilea silphoides (Linnaeus, 1767)[§]

Present classification. Tachyporinae; Vatesini; *Cilea*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “N.-OE. HORN | BERNHAUER | KOMPOST” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, with additional identification label for the male specimen: “*Cilea* [handwritten] | *silphoides* [handwritten] | J. M. Campbell [handwritten] | det. A. Newton 2015” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “N.-OE. HORN | BERNHAUER | KOMPOST” < printed in rectangular small white label, directly pasted on the slide >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, directly pasted on the slide >, “*Cilea silphoides* | (Linnaeus, 1767) | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “♀ A | *Cilea* | *silphoides* | (L.) | Silesia | PM” < directly handwritten on the slide >, < with additional green round seal on the right side: “3.88 [handwritten; it means that the slide was made by Al. Newton on March 1988.] >” (FMNH, cAN).

Data (R). Campbell (1975).

Genus *Cileoporus* Campbell, 1994

Cileoporus fenestratus (Sharp, 1883)

Present classification. Tachyporinae; Vatesini; *Cileoporus*.

Data type. P + R.

Data (P). 1 male: “PANAMA: Canal Zone | Barro Colorado Is. | February 16,22 1976 | A. Newton” < printed in rectangular small white label >, “under bark, | fermenting” < printed in rectangular small white label >, “Cileoporus [handwritten] | fenestratus [handwritten] | det. A.Newton 1993 ~~2015~~ [1993, handwritten]” < printed in rectangular small white label, not dissected > (FMNH); 2 males: “PANAMA: Canal Zone | Barro Colorado Is. | February 8,25 1976 | A. Newton” < printed in rectangular small white label >, “under bark | 6 mos. dead” < printed in rectangular small white label >, “Cileoporus [handwritten] | fenestratus [handwritten] | (Sharp) [handwritten] | det. Newton 1993” < printed in rectangular small white label, not dissected > (FMNH); 1 male [ventral view fully visible, dorsally glued to the paper card]: “COSTA RICA | F NEVERMANN | 31 X 25 [handwritten]” < printed in rectangular small green label >, with additional comments on the back of this label: “HAMBURG FARM | REVENTAZON | EBENE LIMON” < printed >, “unter loser | Rinde” < printed in rectangular small white label >, “Tachinus | princeps Brnh | n. sp.” < handwritten in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, “FMNH” < printed in rectangular small white label >, “Coproporus [handwritten] | Det. sp. [sp., handwritten] | J.M.Campbell 19 80 [80, handwritten]” < printed in rectangular small white label >, “Cileoporus [handwritten] | fenestratus [handwritten] | (Sharp) [handwritten] | Det. J.M. Campbell” < printed in rectangular small white label >, <with an additional plastic card mounted on the abdominal terminalia > (FMNH).

Data (R). Campbell (1994a).

Genus *Coproporus* Kraatz, 1857

Coproporus colchicus Kraatz, 1858[§]

Present classification. Tachyporinae; Vatesini; *Coproporus*.

Data type. P + S.

Data (P). 1 male, 1 female: “Krim | Baidar Thor [“Baidar Thor”, = Baidarisches Tor] | DR. KNIRSOH” < printed in rectangular small white label >, “Coproporus | colchicus | Kr.” < handwritten in rectangular small white label >, “CNHM 1955 | Eduard Knirsch | Palaearctic Colln.” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “Krim | Baidar Thor [“Baidar Thor”, = Baidarisches Tor] | DR. KNIRSOH” < printed in rectangular small white label, directly pasted on the slide >, “Coproporus | colchicus | Kr.” < handwritten in rectangular small white label, directly pasted on the slide >, “CNHM 1955 | Eduard Knirsch | Palaearctic Colln.” < printed in rectangular small white label, directly pasted on the slide >, “Coproporus [handwritten] | colchicus [handwritten] | E. Knirsch [handwritten] | det. A. Newton 2015” < printed in rectangular small white label, directly pasted on the slide >, “*Coproporus | colchicus* | Kraatz, 1858” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Coproporus laevis LeConte, 1863

Present classification. Tachyporinae; Vatesini; *Coproporus*.

Data type. P + S + R.

Data (P). 1 male: “FLA.: Highlands Co., | Archbold Biol. Sta. | 12-19:VI:1955 at light. | leg. H. S. Dybas.” < printed in rectangular small white label >, “*Coproporus | laevis* | Leconte, 1863” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Fla.: Sarasota Co | Myakka Riv.St.Pk. | 28-VII-1976 uv lt | trap C.W. O’Brien” < printed in rectangular small white label >, “*Coproporus | laevis* | Leconte, 1863” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “Fla.: Sarasota Co | Myakka Riv.St.Pk. | 28-VII-1976 uv lt | trap C.W. O’Brien” < printed in rectangular small white label, directly pasted on the slide >, “*Coproporus | laevis* | Leconte, 1863 | Det. J.M. Campbell, 1981” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1975).

Coproporus rutilus (Erichson, 1839)

Present classification. Tachyporinae; Vatesini; *Coproporus*.

Data type. P + S + R.

Data (P). 1 male: “Harrison Co.MS | 3.5 mi NE Saucier | 14 - V [handwritten] 198 4 [4, handwritten] | Paul K. Lago” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Texas: S. Patricio | Co., Welder Wild- | life refuge 23.v. | 74 CW LB O’Brien | GBMarshall uv lt” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “LOUISIANA: Plaque- | mines Parish; Tide H.O. | 10:XI:1976. Leg: W. Suter. | WS#76-79: a, b.” < printed in rectangular small white label, directly pasted on the slide >, “*Coproporus | rutilus* | Erichson, 1839” < printed in rectangular

small white label, directly pasted on the slide > (FMNH); 1 female: “Jackson Co. MS | Ocean Springs | 13-V [handwritten] 1984 [84, handwritten] | Paul K. Lago” < printed in rectangular small white label, directly pasted on the slide >, “*Coproporus | rutilus* | Erichson, 1839” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1975).

Genus *Coprotachinus* Cameron, 1933

Coprotachinus habrocerinus (Eppelsheim, 1895)

Present classification. Tachyporinae; Vatesini; *Coprotachinus*.

Data type. P + S + R.

Data (P). 1 male [ventral view fully visible, dorsally glued to the paper card; abdominal terminalia removed and pasted near the body]: “Kamaiembi (Luebo)” < printed in strongly transverse, rectangular small white label >, “ - IX - 1921 | Schouteden” < printed in rectangular small white label >, “CONGO” < printed in rectangular small white label >, “*diversicornis* Epp [handwritten] | det. Bernhauer” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “*Coprotachinus | habrocerinus* | det. (Eppelsheim) | 1994, J. M. Campbell” < printed in rectangular small white label > (FMNH); 1 female: “20/30-V-1930 | Dr P. Gérard” < printed in rectangular small white label >, “MUSÉE DU CONGO | Mulongo (Niunzu)” < printed in strongly transverse, rectangular small white label, folded in twice >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “*Coprotachinus | habrocerinus* | det. (Eppelsheim) | 1994, J. M. Campbell” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Ituri: | Moto : Madyu | L. Burgeon” < printed in rectangular small white label >, “CONGO” < printed in rectangular small white label >, “*diversicornis* Epp [handwritten] | det. Bernhauer” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “*Coprotachinus | habrocerinus* | det. (Eppelsheim) | 1994, J. M. Campbell” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “MUSÉE DU CONGO | Mulongo (Mafinge)” < printed in strongly transverse, rectangular small white label, originally folded in twice, directly pasted on the slide >, “10/17-VII-1930 | Dr P. Gérard” < printed in rectangular small white label, directly pasted on the slide >, “Chicago NHMus | M. Bernhauer | Collection” < printed

in rectangular small white label, directly pasted on the slide >, “Coprotachinus | habrocerinus | det. (Eppelsheim) | 1994, J. M. Campbell” < printed in rectangular small white label, directly pasted on the slide >, “*Coprotachinus* | *habrocerinus* | (Eppelsheim, 1895) | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “CONGO” < printed in rectangular small white label, directly pasted on the slide >, “HAUT UELE | Watsa, XI-1919 | *L. Burgeon.*” < printed in rectangular small white label, directly pasted on the slide >, “diversicornis Epp [handwritten] | det. Bernhauer” < printed in rectangular small white label, directly pasted on the slide >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label, directly pasted on the slide >, “Coprotachinus | habrocerinus | det. (Eppelsheim) | 1994, J. M. Campbell” < printed in rectangular small white label, directly pasted on the slide >, “*Coprotachinus* | *habrocerinus* | (Eppelsheim, 1895) | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1994b).

Genus *Euconosoma* Cameron, 1918

Euconosoma picta (Bernhauer, 1903)

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Euconosoma*.

Data type. P + R.

Data (P). 1 male [right hindleg detached, separately glued on another paper card]: “Dohrn | Sumatra | Soekaranda” < printed in rectangular small white label >, “pictum Brh [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Euconosoma [handwritten] | pictum [handwritten] | Det. (Bernh.) [(Bernh.), handwritten] | J.M. Campbell 1975 [75, handwritten]” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Quop, W. Sarawak. | G. E. Bryant. | 4. 4. 16 [handwritten]” < printed in rectangular small white label >, “G. Bryant Coll. | 1919-147” < printed in rectangular small white label >, “Chicago NHMus | M. Bernhauer | Collection” < printed in rectangular small white label >, “Conosoma | pictum Bernh.” < handwritten in rectangular small white label >, “Euconosoma [handwritten] | pictum [handwritten] | Det. (Bernh.) [(Bernh.), handwritten] | J.M. Campbell 1975 [75, handwritten]” < printed in rectangular small white label, not dissected >, <with an additional plastic card mounted on the abdominal terminalia >

(FMNH).

Data (R). Campbell (1976).

Genus *Lamprinodes* Luze, 1901

Lamprinodes saginatus (Gravenhorst, 1806)[§]

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Lamprinodes*.

Data type. P + S.

Data (P). 1 male [attached with two possible host ants of the same species, each mounted on a separated paper card] [two possible host ants also attached, each mounted on a separate paper card]: “Bruck N.Ö. | Bernhauer” < printed in rectangular small white label >, “saginatus Gr. [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, “Lamprinodes [handwritten] | saginatus [handwritten] | M. Bernhauer [handwritten] | det. A. Newton 2015” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “L. Enzersdf. [Enzersdorf] | Luze” < printed in rectangular small white label >, “saginatus Gvh | Niederösterreich [Niederösterreich, = Lower Austria] | ded. Luze.” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Reichenberg | Boh. Bang Hs [= Bang Haas, a collector or dealer]” < handwritten in rectangular small white label >, “saginatus Grh. [handwritten] | det. Bernh.” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 female: “Thüringen” < handwritten in rectangular small white label, directly pasted on the slide >, “CNHM 1955 | Karl Brancsik Colln. | ex Eduard Knirsch” < printed in rectangular small white label, directly pasted on the slide >, “*Lamprinodes saginatus* | (Gravenhorst, 1806) | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Lamprinus* Heer, 1839

Lamprinus erythropterus (Panzer, 1796)[§]

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Lamprinus*.

Data type. P + S.

Data (P). 1 male: “Trag” < printed in rectangular small white label >, “CNHM 1955 | Karl Brancsik Colln. | ex Eduard Knirsch” < printed in rectangular small white label >, <with an additional plastic card mounted on the abdominal terminalia > (FMNH); 1 female: “Kalávryta | Morea, Holtz” < printed in rectangular small white label >, “erythropterus [handwritten] | Holtz [handwritten] | det. Bernhau” < printed in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Lg.-Enzersd. | Luze” < printed in rectangular small white label >, “erythropterus | Pz. A. v?f. [?, overlapping with a hole of the insect pin] | ded. Luze” < handwritten in rectangular small white label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Lg.-Enzersd. | Luze” < printed in rectangular small white label >, “erythropter. | Luze don.” < handwritten in rectangular small white label >, “CNHM 1955 | Eduard Knirsch | Palaearctic Colln.” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 female [pinned together with the above listed male specimen]: “Trag” < printed in rectangular small white label, directly pasted on the slide >, “CNHM 1955 | Karl Brancsik Colln. | ex Eduard Knirsch” < printed in rectangular small white label, directly pasted on the slide >, “*Lamprinus | erythropterus* | (Panzer, 1796) | Tachyporinae: | Tachyporini”, < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Leucotachinus* Coiffait & Saiz, 1968

Leucotachinus luteonitens (Fairmaire & Germain, 1861)[§]

Present classification. Tachyporinae; Tachinusini; *Leucotachinus*.

Data type. P + S.

Data (P). 1 male: “CHILE: Osorno Pr. | Puyehue, Aguas | Calientes, 500m | 2-6.i.1982 L.Peña” < printed in rectangular small white label >, “Leucotachinus | luteonitens | (Fairm. & Germain) | Det. J.M.Campbell 1993” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “CHILE: Valdivia | Valdivia, XII.1982 | L.E.Peña” < printed in rectangular small white label >, “Leucotachinus | luteonitens | (Fairm. & Germain) | Det. J.M.Campbell 1993” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Corral. CHILE | Dec. 1905 | R. Thaxter” < printed in rectangular small white label >, “Leucotachinus | luteonitens |

(Fairm. & Germain) | Det. J.M.Campbell 1993” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “CHILE: Osofino | Anticura | 19-29. X. 1985 | L. E. Pexa” < handwritten in rectangular small white label, directly pasted on the slide >, “Leucotachinus | luteonitens | (Fairm. & Germain) | Det. J.M.Campbell 1993” < printed in rectangular small white label, directly pasted on the slide >, “*Leucotachinus | luteonitens* | (Fairmaire & Germain, | 1861)” < printed in rectangular small white label, directly pasted on the slide >, “Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “Alunahue | Villarrica” < handwritten in rectangular small white label, directly pasted on the slide >, “16.II.1979 | P. Vidal” < handwritten in rectangular small white label, directly pasted on the slide >, “FMNH 1986 | L.E. Peña Colln. | [Santiago, Chile] | Acc. # 17-422.” < printed in rectangular small white label, directly pasted on the slide >, “Leucotachinus | luteonitens | (Fairm. & Germain) | Det. J.M.Campbell 1993” < printed in rectangular small white label, directly pasted on the slide >, “Leucotachinus [handwritten] | det. Newton, 1991” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Leucotachinus novitius (Blackburn, 1891)

Present classification. Tachyporinae; Tachinusini; *Leucotachinus*.

Data type. P + S + W.

Data (P). 1 female: “AUSTL.: VIC.: Errinun- | dra N.P., Coast Range | Rd., 8.8km E jct. | Gunmark Rd., 1020m, | 37°17'S, 148°57'E,” < printed in rectangular small white label >, “11-24.II.1993, cool | temperate rainforest; | FMHD #93-82, window | trap, A.Newton & | M. Thayer 925 | FIELD MUS. NAT. HIST.” < printed in rectangular small white label >, “Leucotachinus [handwritten] | novitius [handwritten] | (Blackburn) [handwritten] | det. A.Newton 2005” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Mt. Kosciusko | 4-5,000 ft. | Dec. 1931” < printed in rectangular small white label >, “Australia | Harvard Exp., | Darlington” < printed in rectangular small white label >, “MCZ” < handwritten in rectangular small white label >, <with an additional small plastic tube, preserving the separated abdominal terminalia > (FMNH).

Data (S). 1 female: “♀ A | Leuco- | ‘Tachinus’ | novitius | Blkbn. | →Leucotachinus | Aust: N.S.W. | Mt. Kosciusko | 5-7000; Dec. | 1931, Darlington | PM” < directly handwritten on the slide > (FMNH, cAN).

Data (W). 1 male: “Mt Kosciusko | 5-7,000 ft. N. S.W. | Dec. 1931” < printed in

rectangular small white label >, “Australia | Harvard Exp., | Darlington” < printed in rectangular small white label >, “Collection | A. Newton” < printed in rectangular small blue label >, “ “Tachinus” [handwritten] | novitius [handwritten] | Bikbn. [handwritten] | ♂♀ [handwritten] | A. Newton det 1979 [9, handwritten]” < printed in rectangular small white label > (FMNH, cAN).

Genus *Mimocyptus* Cameron, 1919

Mimocyptus sp.

Present classification. Tachyporinae; Vatesini; *Mimocyptus*.

Data type. P + S.

Data (P). 2 males, 1 female: “BORNEO Sabah Mt. | Kinabalu Nat.PK. | Poring Hot Spgs. | 485m 29.VIII.88. | A. Smetana[B160]” < printed in rectangular small white label >, “FIELD MUSEUM | ex collection of | H. G. Nelson” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “BORNEO Sabah Mt. | Kinabalu Nat.PK. | Poring Hot Spgs. | 490m 16.VIII.88 | A. Smetana [B118]” < printed in rectangular small white label, directly pasted on the slide >, “FIELD MUSEUM | ex collection of | H. G. Nelson” < printed in rectangular small white label, directly pasted on the slide >, “*Mimocyptus* sp. | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “BORNEO Sabah Mt | Kinabalu Nat.PK. | Poring Hot Spgs. | 485m 29.VIII.88. | A. Smetana[B160]” < printed in rectangular small white label, directly pasted on the slide >, “FIELD MUSEUM | ex collection of | H. G. Nelson” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Nitidotachinus* Campbell, 1993

Nitidotachinus scrutator (Gemminger & Harold, 1868)

Present classification. Tachyporinae; Tachinusini; *Nitidotachinus*.

Data type. P + S + R.

Data (P). 1 male: “MO:CarterCo. | FourHoleCave | 11mi SWVanBuren | 17. IX. 80; JEGardner” < printed in rectangular small white label >, “Tachinus Nitido- [handwritten] | scrutator G. & H. [handwritten] | det.J.M.Campbell” < printed in

rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH); 1 female: “MASS: Middlesex | Co., Estabrook | Woods, Concord | VII. 10-18. 1976 [handwritten]” < printed in rectangular small white label >, “wet moss | stream edge” < printed in rectangular small white label >, “A. Newton | M. Thayer | Collectors” < printed in rectangular small white label >, “J. F. Lawrence | Collector” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH).

Data (S). 1 male: “♂ A | Nitidotachinus | ~~Tachinus~~ | scrutator | G & H | MASS.: Mdsx [Middlesex] Co. | Estabrook Woods | nr. Concord | VIII. 10. 1974 | Sphagnum moss | A. N. CB” < directly handwritten on the slide > (FMNH, cAN); 1 female: “♀ A | Nitidotachinus | ~~Tachinus~~ | scrutator | G + H | MASS.: Mdsx. Co. | Concord | VIII. 10. 1974 | Sphagnum moss | A. Newton CB” < directly handwritten on the slide > (FMNH, cAN).

Data (R). Campbell (1993b).

Nitidotachinus tachyporoides (Horn, 1877)[§]

Present classification. Tachyporinae; Tachinusini; *Nitidotachinus*.

Data type. P + S + R.

Data (P). 1 male: “N.H.: Grafton Co., | Zealand R. 2200’ | 6miSE Twin Mtn. | IX. 5. 1975” < printed in rectangular small white label >, “A. Newton | & M. Thayer | collectors” < printed in rectangular small white label >, “wet debris, | small stream” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “N. H.: Coos Co., Zmi | N Crawford House | 2000’ IX.6.1975 | A. Newton, M. Thayer” < printed in rectangular small white label >, “wet moss | stream edge” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “N.H.: Grafton Co. | Sawyer River nr. | Bartlett, 1600’ | VIII.25.1974” < printed in rectangular small white label, directly pasted on the slide >, “A. Newton | & M. Thayer | collectors” < printed in rectangular small white label, directly pasted on the slide >, “wet moss | stream edge” < printed in rectangular small white label, directly pasted on the slide >, “*Nitidotachinus | tachyporoides* | (Horn, 1877)” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1993b).

Genus *Olophrinus* Fauvel, 1895

Olophrinus cf. philippinus Campbell, 1993

Present classification. Tachyporinae; Tachinusini; *Olophrinus*.

Data type. P + S.

Data (P). 1 male, 1 female [hindwings for the male detached, but mounted on another paper card]: “Philippines: Mindanao, | Bukidnon, Panamokan, XII” < printed in rectangular small white label >, “*Olophrinus cf. philippinus* | Campbell, 1993 | Det. S. Yamamoto, 2017” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “Philippines: Mindanao, | Bukidnon, Panamokan, XII” < printed in rectangular small white label, directly pasted on the slide >, “*Olophrinus cf. philippinus* | Campbell, 1993 | Det. S. Yamamoto, 2017” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Pseudotachinus* Cameron, 1932

Pseudotachinus besucheti Schülke, 2005

Present classification. Tachyporinae; Tachinusini; *Pseudotachinus*.

Data type. P + R.

Data (P). 1 male: “PAKISTAN: Swat | Manglaur | 1150m, 9.V.83 | Besuchet-Löbl” < printed in rectangular small white label >, “PARATYPUS | *Pseudotachinus* | *besucheti* spec. nov. | det. M. Schülke, 2004” < printed in rectangular small yellow label >, “MHNG | ENTO | 00012103” < printed in rectangular small white label, not dissected > (MHNG); 1 female: “PAKISTAN: Swat | Saidu Sharif | 1000 m; 11.V.1983 | Besuchet - Löbl” < printed in rectangular small white label >, “PARATYPUS | *Pseudotachinus* | *besucheti* spec. nov. | det. M. Schülke, 2004” < printed in rectangular small yellow label >, “MHNG | ENTO | 00012100” < printed in rectangular small white label, not dissected > (MHNG).

Data (R). Schülke (2005).

Genus *Sepedophilus* Gistel, 1856

Sepedophilus bisignatus (Horn, 1877)

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. P + S.

Data (P). 1 male, 1 female: “CALF: Amador Co., | PeddlerHill 7000’ | VI.27-28.1975 | A. Newton, M. Thayer” < printed in rectangular small white label >, “under bark | conifer” < printed in rectangular small white label, not dissected >, <with an additional identification label for the male: “Sepedophilus [handwritten] | bisignatus [handwritten] | det. A. Newton ~~2015~~ 1983 [1983, handwritten]” [printed in rectangular small white label] > (FMNH).

Data (S). 1 male, 1 female: “♂♀ C [red letter] A | Sepedophilus | bisignatus | (Horn) | CAL: Plumas | Co., Butt Val. Dam | 4000’ VI.30.75 | JFL 3981 [= JF. Lawrence fungus lot number 3981] | Fomitopsis | pinicola | ANMT [= A. Newton & M. Thayer] PM” < directly handwritten on the slide>, <with additional white rectangular seal on the right side: “PM D - RL” [handwritten] >, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN).

Sepedophilus cinctulus (Erichson, 1839)

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. P + S.

Data (P). 1 male: “Ohio; Franklin | Co., Columbus | 13-IX-1975” < printed in rectangular small white label >, “Berlese, forest | floor litter | L. E. Watrous” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Ohio; Franklin | Co., Columbus | 13-IX-1975” < printed in rectangular small white label >, “Berlese rotten | wood debris | LEWatrous” < printed in rectangular small white label >, “Sepedophilus [handwritten] | cinctulus [handwritten] | J. M. Campbell [handwritten] | det. ~~A. Newton 2015~~” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A [red letter] A | Sepedophilus | cinctulus | (Er.) | N.H.: Hillsb. Co., | Greenfield | Aug, 5, 1973 | JFL 3465 | Cor. [=Coriolus] versi- | color | PM” < directly handwritten on the slide>, <with additional white rectangular seal on the right side: “PM dorsal” [handwritten] >, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN).

Sepedophilus crassus (Gravenhorst, 1802)

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. P + S.

Data (P). 1 male, 1 female: “Ohio: Franklin | Co., Columbus | 13-IX-1975” < printed in rectangular small white label >, “LEWatrous | colr.” < printed in rectangular small white label, not dissected >, <with an additional identification label for the female:

“*Sepedophilus* [handwritten] | *crassus* [handwritten] | J.M. Campbell [handwritten] | det. A. Newton 2015” [printed in rectangular small white label] > (FMNH).

Data (S). 1 male [without elytra and hindwings]: “♂ C [red letter] A | *Sepedophilus* | *basalis* (Er.) | *crassus* (Grav.) | LA.: Rapides P. | Magnolia Rec. | Area X. 4.73 | on *Pleurotis* [= *Pleurotus*] | A. Newton CB” < directly handwritten on the slide>, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN); 1 female [without elytra and hindwings, mounted together with the dissected specimen of *Sepedophilus versicolor*]: “♂♀ C [red letter] A | *Sepedophilus* | *crassus* ♀ | *versicolor* ♂ | LA.: Rapides | Par., Magnolia | Rec. Area, 15 | mi SW Alex- | andria X.4.73 | *Pleurotus* AFN | PM” < directly handwritten on the slide>, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN); 1 female [elytra and hindwings only, mounted together with those of *Sepedophilus versicolor*]: “C [red letter] W | *Sepedophilus* | ~~*basalis* (Er.)~~ | *crassus* (Grav.) (2) | + *vers.* (1) | LA.: Rapides P. | Magnolia Rec. | Area, X. 4. 1973 | on *Pleurotis* | A. Newton | CB” < directly handwritten on the slide>, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN).

Sepedophilus littoreus (Linnaeus, 1758)[§]

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. P + S.

Data (P). 1 male: “U.S.A.: ILLINOIS | Kane Co.; Forest Pre- | serve on AH.30. 3 mi. S. | Lily Lake. 22:XI:1960. | Leg: W. Suter.” < printed in rectangular small white label >, “Berlese: Stage | IV oak log.” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “III.” < printed in square small white label >, “F M N H Coll. | No. | (E Chope Coll)” < printed in rectangular small white label >, “*Sepedophilus* | *littoreus* (L.) | det. 1974 | J.M.Campbell” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “MO: Phelps Co. | Yancy Mills#1Cave | 16.I.79;JEGardner” < printed in rectangular small white label, directly pasted on the slide >, “*Sepedophilus* [handwritten] | *littoreus* (L.) [handwritten] | Det.J.M.Campbell” < printed in rectangular small white label, directly pasted on the slide >, “*Sepedophilus* | *littoreus* | (Linnaeus, 1758)” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “Ontario; Essex | Co., Wheatley | July 1967 | K.Stephan leg.” < printed in rectangular small white label, directly pasted on the slide >, “Field Mus. Nat. Hist. | Karl H. Stephen | Collection, 1977 | Acc. No. Z-15, 639” < printed in rectangular

small white label, directly pasted on the slide >, “*Sepedophilus | littoreus* (L.) | det. 1974 | J.M.Campbell” < printed in rectangular small white label, directly pasted on the slide >, “*Sepedophilus | littoreus* | (Linnaeus, 1758)” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Sepedophilus scriptus (Horn, 1877)

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. P + S.

Data (P). 1 male, 1 female: “FLA.:Jackson Co.: | Fla. Caverns St. Pk. | IV:6:1969 | leg. S. Peck” < printed in rectangular small white label >, “FM(HD)#69-3 | Berlese:#159 | log leaf litter | 131 lbs., 130 liters” < printed in rectangular small white label >, <with an additional identification label for the female: “*Sepedophilus* [handwritten] | *scriptus* [handwritten] | J.M. Campbell [handwritten] | det. ~~A. Newton~~ 2015” [printed in rectangular small white label] >, < with an additional glass card mounted on the abdominal terminalia only for female; male not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ B [red letter] A | *Sepedophilus | scriptus* | (Hn.) | TEX: Bastrop | Co., Bastrop St. | Pk., VI.17.1973 | on fungusy | oak log | AFN PM” < directly handwritten on the slide>, “VOUCHER | Associated | with larva” < printed in rectangular small green label, directly pasted on the slide > (FMNH, cAN).

Genus *Symmixus* Bernhauer, 1915

Symmixus sikkimensis Bernhauer, 1915[§]

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Symmixus*.

Data type. P + R.

Data (P). 1 male: “Sikkim” < printed in rectangular small white label >, “nov. gen et spec | BangHaas” < handwritten in rectangular small white label >, “Ost-Himalaya, | ex Coll Waagen | ded. Bang-Haas” < printed in rectangular small white label >, “*Symmixus | sikkimensis* | Bernh. Typus un.” < handwritten in rectangular small yellow label >, “Chicago NHMus | M.Bernhauer | Collection” < printed in rectangular small white label >, “Tachyporus [handwritten] | (*Symmixus*)- [handwritten] | *sikkimensis* Bernh. [handwritten] | Det. J.M. Campbell” < printed in rectangular small white label, not dissected > (FMNH).

Data (R). Schülke (2003).

Genus *Tachinomorphus* Kraatz, 1859

Tachinomorphus grossulus (LeConte, 1863)

Present classification. Tachyporinae; Tachinusini; *Tachinomorphus*.

Data type. P + S + R.

Data (P). 2 males, 1 female: “ARIZ.: Pinal Co.; | Florence (20 mi S). | dying-fallen saguaro. | leg: W. Suter. 20:VIII:1978.” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “ARIZ.: Pinal Co.; | Florence (20 mi S). | dying-fallen saguaro. | leg: W. Suter. 20:VIII:1978.” < printed in rectangular small white label, directly pasted on the slide >, “*Tachinomorphus* | *grossulus* | (LeConte, 1863) | det. S. Yamamoto, 2018” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1973a).

Genus *Tachinoplesius* Bernhauer, 1936

Tachinoplesius latipennis Schülke, 2006

Present classification. Tachyporinae; Tachinusini; *Tachinoplesius*.

Data type. P + R.

Data (P). 1 male [ventral view fully visible, dorsally glued to the paper card; fore- and hindlegs removed and glued on the paper card near the body]: “UGANDA | Kibale Forest | 1250m, 23.V.1993 | Cuccodoro&Erne # 12A” < printed in rectangular small white label >, “PARATYPUS | *Tachinoplesius* | *latipennis* spec. nov. | det. M. Schülke 2005” < printed in rectangular small yellow label >, “MHNG | ENTO | 00012115” < printed in rectangular small white label >, <with an additional plastic card mounted on the mouthparts > (MHNG); 1 female: “UGANDA | Kibale Forest | 1250m, 25.V.1993 | Cuccodoro&Erne # 14B” < printed in rectangular small white label >, “PARATYPUS | *Tachinoplesius* | *latipennis* spec. nov. | det. M. Schülke 2005” < printed in rectangular small yellow label >, “MHNG | ENTO | 00012118” < printed in rectangular small white label >, <with an additional plastic card mounted on the abdominal terminalia > (MHNG).

Data (R). Schülke (2006).

Genus *Tachinus* Gravenhorst, 1802

Subgenus *Tachinus* Gravenhorst, 1802

Tachinus (Tachinus) frigidus Erichson, 1839

Present classification. Tachyporinae; Tachinusini; *Tachinus*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “Wrangell, ALASKA | 5-15.VIII.1951 | B.Malkin” < printed in rectangular small white label >, “C.N.H.M. 1960 | Borys Malkin | Coleoptera Colln.” < printed in rectangular small white label >, <with an additional identification label for the male: “Tachinus [handwritten] | frigidus [handwritten] | J.M. Campbell [handwritten] | det. A. Newton 2015” [printed in rectangular small white label] > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | Tachinus | frigidus Er.” < directly handwritten on the slide >, “N.H.: Coos Co. | 0.3mi S Jefferson | Notch, 895m, | Picea-Abies for. | 23-27.VIII.1980 | A. Newton, M. Thayer” < printed in rectangular small white label, directly pasted on the slide >, “Lot 80-G | Myxomycete [sic.; Myxomycetes] | PM” < directly handwritten on the slide >, < with additional comment on the right side of the slide: “PM RL” [directly handwritten on the slide] > (FMNH, cAN).

Data (R). Campbell (1973b).

Tachinus (Tachinus) fumipennis Say, 1832

Present classification. Tachyporinae; Tachinusini; *Tachinus*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “USA:IN:Porter Co.:Indiana | Dunes Nat. Lakeshore Park | VI-24-2007 | ex. rotting *Laetiporus* sp. Fungi | Taro Eldredge” < printed in rectangular small yellowish-white label >, “Tachinus [handwritten] | fumipennis [handwritten] | det. Taro Eldredge '08 ['08, handwritten]” < printed in rectangular small yellowish-white label, not dissected > (KUM).

Data (S). 1 male, 1 female: “USA:IN:Porter Co.:Indiana | Dunes Nat. Lakeshore Park | VI-24-2007 | ex. rotting *Laetiporus* sp. Fungi | Taro Eldredge” < printed in rectangular small yellowish-white label, directly pasted on the slide >, “Tachinus [handwritten] | fumipennis [handwritten] | det. Taro Eldredge '08 ['08, handwritten]” < printed in rectangular small yellowish-white label, directly pasted on the slide > (FMNH).

Data (R). Campbell (1973b).

Tachinus (Tachinus) rufipes (Linnaeus, 1758)[§]

Present classification. Tachyporinae; Tachinusini; *Tachinus*.

Data type. P + S.

Data (P). 1 male [male genitalia fully exposed]: “SWITZERLAND, | Les Diablarets | (Vaud). 1100 m.” < printed in rectangular small white label >, “3-31.VIII. [handwritten] 1976 [6, handwritten] | B. and H. Malkin” < printed in rectangular small white label >, “Staphylinidae | *Tachinus rufipes* (L.) | det. Marcin Smoleński” < printed in rectangular small white label, not dissected > (FMNH); 1 male: “POLAND: Choinów | woj. warszawskie | 16. IX. [handwritten] 1973 [3, handwritten] | B. and H. Malkin” < printed in rectangular small white label >, “Staphylinidae | *Tachinus rufipes* (L.) | det. Marcin Smoleński” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “POLAND: Gorzyczki | nr. Wodzisławice, | woj. katowickie” < printed in rectangular small white label >, “19.III.1973 | A. Kuśka” < printed in rectangular small white label >, “Staphylinidae | *Tachinus rufipes* (L.) | det. Marcin Smoleński” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “West Germany | Karlsruhe | May 1950 | K. Stephan leg.” < printed in rectangular small white label >, “19.III.1973 | A. Kuśka” < printed in rectangular small white label >, “Field Mus. Nat. Hist. | Karl H. Stephen | Collection, 1977 | Acc. No. Z-15, 639” < printed in rectangular small white label >, “*Tachinus* | *rufipes* (Deg.) [handwritten] | det. | J. M. Campbell” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “SWITZERLAND: | Langendorf | /Solothurn/” < printed in rectangular small white label, directly pasted on the slide >, “12.VII. [handwritten] 1979 [79, handwritten] | B. and H. Malkin” < printed in rectangular small white label, directly pasted on the slide >, “Staphylinidae | *Tachinus rufipes* (L.) | det. Marcin Smoleński” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Tachyporus* Gravenhorst, 1802*

Subgenus *Palporus* Campbell, 1979

Tachyporus (Palporus) nitidulus (Fabricius, 1781)

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Palporus*.

Data type. P + S.

Data (P). 2 males, 1 female: “U.S.A.: OHIO. Marion | Co.; Waldo (N) | 2:VI:1978. | Leg: W. Suter.” < printed in rectangular small white label >, “WS# 78-34B | Ash-bush |

pseudo fork.” < printed in rectangular small white label, not dissected > (FMNH); 2 females: “U.S.A.: OHIO. Marion | Co.; Waldo (N) | 2:VI:1978. | Leg: W. Suter.” < printed in rectangular small white label >, “WS# 78-34C | Moss | on log.” < printed in rectangular small white label, not dissected >, <with an additional identification label for the single female: “Tachyporus [handwritten] | nitidulus Fab. [handwritten in blue ink] | Det. | J.M.Campbell 1981 [81, handwritten in blue ink]” [printed in rectangular small white label] > (FMNH).

Data (S). 1 male, 1 female: “U.S.A.: Maine; Hancock Co.; W. Gouldsboro. 21:X:1967 | Leg: S. Peck.” < printed in rectangular small white label, directly pasted on the slide >, “FM(HD)# 67-116 | Ber. #105. | Spruce duff.” < printed in rectangular small white label, directly pasted on the slide >, <with an additional identification label for the male: “*Tachyporus nitidulus* | Fabricius, 1781” [printed in rectangular small white label, directly pasted on the slide] >, <with an additional identification label for the female: “*Tachyporus* | (*Palporus*) | *nitidulus* | (Fabricius, 1781) | Tachyporinae: | Tachyporini” [printed in rectangular small white label, directly pasted on the slide] > (FMNH); 1 male: “U.S.A.: OHIO. Marion | Co.; Waldo (N) | 2:VI:1978. | Leg: W. Suter.” < printed in rectangular small white label, directly pasted on the slide >, “WS# 78-34B | Ash-bush | pseudo fork.” < printed in rectangular small white label, directly pasted on the slide >, “*Tachyporus* | (*Palporus*) | *nitidulus* | (Fabricius, 1781) | Tachyporinae: | Tachyporini” < printed in rectangular small white label, directly pasted on the slide > (FMNH); 1 female: “Ohio:Franklin Co. | O’Shaughnessy Res. | 20-III-1977” < printed in rectangular small white label, directly pasted on the slide >, “berlese hardwood | litter LEWatrous” < printed in rectangular small white label, directly pasted on the slide >, “FM(HD)#76-192. | WS#76-79b. | nest u. can on | water hyacinth” < printed in rectangular small white label, directly pasted on the slide >, “*Tachyporus nitidulus* | (Fabricius, 1781) | Det. J. M., Campbell” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Subgenus *Tachyporus* Gravenhorst, 1802

Tachyporus (Tachyporus) chrysomelinus (Linnaeus, 1758)[§]

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Tachyporus*.

Data type. P + S.

Data (P). 1 male: “SWITZERLAND: | Oberdorf, | /Solothurn/” < printed in rectangular small white label >, “29.V. [handwritten] 1982 [82, handwritten] | B. and H.

Malkin” < printed in rectangular small white label >, “Staphylinidae | Tachyporus chrysomelinus (L.) | det. Marcin Smoleński” < printed in strongly transverse, rectangular white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH); 1 female: “SWITZERLAND: | (Solothurn). | Borys Malkin” < printed in rectangular small white label >, “Rüttinen, | I.VI. [handwritten] 1978 [8, handwritten]” < printed in rectangular small white label >, “Staphylinidae | Tachyporus chrysomelinus (L.) | det. Marcin Smoleński” < printed in strongly transverse, rectangular white label, not dissected > (FMNH).

Data (S). 1 female: “SWITZERLAND: | Oberdorf | (Solothurn)” < printed in rectangular small white label, directly pasted on the slide >, “2.VI. [handwritten] 1978 [8, handwritten] | B. ~~and H.~~ Malkin” < printed in rectangular small white label, directly pasted on the slide >, “Staphylinidae | Tachyporus chrysomelinus (L.) | det. Marcin Smoleński” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Tachyporus (Tachyporus) jocosus Say, 1832

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Tachyporus*.

Data type. P + S.

Data (P). 1 male: “Fla.: Tallahassee | Leon Co.21-X-1976 | Berlese hardwood | litter LDJustice” < printed in rectangular small white label >, “Tachyporus [handwritten] | jocosus [handwritten] | J. M. Campbell [handwritten] | det. ~~A. Newton~~ 2015” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “Fla.: Tallahassee | LeonCo. 28-VI-1976 | Marshall & Justice” < printed in rectangular small white label >, “Berlese mixed | hardwood litter” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male: “♂ A | Tachyporus | jocosus Say | TEX.: Bastrop Co. | Buescher St. Pk. | VI. 15-16. 1973 | berl., litter, oak- | pine forest | A. Newton CB” < directly handwritten on the slide> (FMNH, cAN); 1 female: “♀ A | Tachyporus | jocosus Say | TEX.: Bastrop | Co. Buescher | St. Pk., VI. 15-16. | 1973, ber., | forest litter | A. Newton CB” < directly handwritten on the slide> (FMNH, cAN).

Tachyporus (Tachyporus) obtusus (Linnaeus, 1767)

Present classification. Tachyporinae; Tachyporini; Tachyporina; *Tachyporus*.

Data type. P + S.

Data (P). 1 male: “SWITZERLAND: | Bellach | (Solothurn)” < printed in rectangular small white label >, “23.X. [handwritten] 1976 [6, handwritten] | B. ~~and H.~~ Malkin” <

printed in rectangular small white label >, “*Tachyporus* | *obtusus* | (Linnaeus, 1767)” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (FMNH); 1 female: “SWITZERLAND: | Bellach | (Solothurn)” < printed in rectangular small white label >, “5.VIII. [handwritten] 1977 [7, handwritten] | B. ~~and H.~~ Malkin” < printed in rectangular small white label >, “*Tachyporus* [handwritten] | *obtusus* (L.) [handwritten] | det.E.Ulbrich 1980 [80, handwritten]” < printed in rectangular small white label >, “*Tachyporus* | *obtusus* | (Linnaeus, 1767)” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 female: “SWITZERLAND: | La Neuveville, | (Bern). 9.VI. [9.VI., handwritten] 1976. [6, handwritten] | B. and H. Malkin” < printed in rectangular small white label, directly pasted on the slide >, “*Tachyporus* | *obtusus* | (Linnaeus, 1767)” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Genus *Termitoplus* Silvestri, 1946

Termitoplus grandis Silvestri, 1946[§]

Present classification. Tachyporinae; Vatesini; *Termitoplus*.

Data type. P + S + R.

Data (P). 1 male, 1 female: “Sao Paulo [handwritten] | S.P., BRAZIL | VII-3- [handwritten] 1951 [51, handwritten]” < printed in rectangular small white label >, “R.L.Arújo leg. | No. 3. 372. [3. 372, handwritten]” < printed in rectangular small white label >, with additional identification label for the male specimen: “*Termitoplus* [handwritten] | *grandis* [handwritten] | C. Seevers [handwritten] | det. ~~A. Newton 2015~~” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia, only for the male > (FMNH).

Data (S). 1 female: “♀ A | *Termitoplus* | *grandis* | Silvestri” < directly handwritten on the slide>, “Sao Paulo [handwritten] | S.P., BRAZIL | VII-3- [handwritten] 1951 [51, handwritten]” < printed in rectangular small white label, directly pasted on the slide >, “R.L.Arújo leg. | No. 3. 372. [3. 372, handwritten]” < printed in rectangular small white label, directly pasted on the slide >, < with additional green round seal on the right side: “3.88 [handwritten; it means that the slide was made by Al. Newton on March 1988.] >” (FMNH, cAN).

Data (R). Silvestri (1946).

Genus *Urolitus* Silvestri, 1947

Urolitus nigeriensis Silvestri 1947^s

Present classification. Tachyporinae; Tachyporini; Euconosomatina; *Sepedophilus*.

Data type. R.

Data (R). Silvestri (1947).

Tribe Vatesini Seevers, 1958

Genus *Vatesus* Sharp, 1876*

Vatesus gigas (Wasmann, 1909)

Present classification. Tachyporinae; Vatesini; *Vatesus*.

Data type. P + S.

Data (P). 1 female: “ECUADOR: Napo Prov., | Zancudo (400 m), | 23 [handwritten] II 2009, | Maruyama & Komatsu leg.” < printed in rectangular small white label >, “*Vatesus* | *gigas* | (Wasmann 1909) | Host: *Eciton rapax* | Smith, 1855 | Det. M. Maruyama, 2017” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia > (KUM).

Data (S). 1 male: “ECUADOR: Napo Prov., | Zancudo (400 m), | 23 [handwritten (copied)] II 2009, | Maruyama & Komatsu leg.” < printed in rectangular small white label, directly pasted on the slide >, “*Vatesus* | *gigas* | (Wasmann 1909) | Host: *Eciton rapax* | Smith, 1855 | Det. M. Maruyama, 2017” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Vatesus praedatorius Seevers, 1958

Present classification. Tachyporinae; Vatesini; *Vatesus*.

Data type. P + S.

Data (P). 1 male, 1 female [each attached with a possible host ant, mounted on a separated paper card]: “PANAMA: Canal Zone | Madden Forest | Pres., VI. 15. [15, handwritten] 1976 | A. Newton” < printed in rectangular small white label >, “in emigration | column” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Vatesus* | *praedatorius* | Seevers | PAN.: C. Z. |

Madden Pres. | VI. 15. 1976 in | emigration col. | A. Newton | PM” < directly handwritten on the slide>, < with additional comment: “aed. on side | (pm → R?) [This means the aedeagus on its side in the abdomen, with the parameres facing the right side of the beetle]” [directly handwritten on the slide] > (FMNH, cAN).

Outgroup:

Family Silphidae Latreille, 1806

Subfamily Silphinae Latreille, 1806

Genus *Silpha* Linnaeus, 1758*

Silpha perforata Gebler, 1832

Data type. P + S + W.

Data (P). 1 male, 2 females: “[JAPAN: HOKKAIDÔ] | Kamishihoro-chô, Lake | Nukabira-ko [near Gonosawa Riv.] | (北海道上士幌町糠平湖) | 13 July 2014. | Shûhei YAMAMOTO leg.” < printed in rectangular small white label >, “*Silpha | perforata* | Gebler, 1832 | Det. S. Yamamoto, 2014” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male [divided in three slides]: “JAPAN: Hokkaido, | Kamishihoro-cho, | Nukabira-ko Lake, [near Gonosawa Riv.] | 13 VII 2014, S. Yamamoto | leg. (PT)” < printed in rectangular small white label, directly pasted on the slide >, “*Silpha | perforata* | Gebler, 1832 | det. S. Yamamoto, 2014” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Data (W). 1 male: “[JAPAN: HOKKAIDÔ] | Kamishihoro-chô, Lake | Nukabira-ko < near Gonosawa Riv. > | (北海道上士幌町糠平湖) | 13 July 2014. | Shûhei YAMAMOTO leg.” < printed in rectangular small white label >, “*Silpha | perforata* | Gebler, 1832 | Det. S. Yamamoto, 2014” < printed in rectangular small white label, not dissected >, “Nukabira, Hokkaido, Japan | 13. vii. 2014, S. Yamamoto lg.” < handwritten in strongly transverse, rectangular white label >, “*Silpha perforata* | det. S. Yamamoto, 2017” < handwritten in strongly transverse, rectangular white label, not dissected > (FMNH).

Family Staphylinidae Latreille, 1802

Omaliine Group of subfamilies

Subfamily Neophoninae Fauvel, 1905

Genus *Neophonus* Fauvel, 1905*

Neophonus bruchi Fauvel, 1905[§]

Data type. P + S.

Data (P). 1 male [male genitalia fully exposed]: “CHILE: Malleco Prov., | Puren Natur. Mon., | Contulmo, 350m, | 11.XII.1984 - | 13.II.1985” < printed in rectangular small white label >, “FMHD#85-902, mixed | evergreen forest, S. | Peck, P#85-16, FIT | FIELD MUSEUM NAT HIST” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “CHILE: Chiloé Pr.: Chiroé | I., Ahoni Alto, 70m, | 22.ii.1988, primary forest, | L. Masner leg. | FIELD MUS. NAT. HIST.” < printed in rectangular small white label >, “Neophonus [handwritten] | bruchi [handwritten] | det. Newton 2003” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ | Neophonus | bruchi Fauv. | det. M. Thayer 1983 [3, handwritten]” < printed in rectangular small white label, directly pasted on the slide >, “CHILE: Osorno Prov. | 7.7km NE Termas de | Puyehue, 200m, site | 664, 19-25.xii.1982 | Valdivian rainfor. | A.Newton & M.Thayer” < printed in rectangular small white label, directly pasted on the slide >, “window | trap 664 [664, handwritten]”, < with additional comment: “more gut → PVLP | ♂ - several clumps | gut contents | L of legs III & abd. | app no Laboulb. on ♂ | or ♀ g.s. or A8 [This means there are more gut contents on a separate slide in PVLP (polyvinyl lactophenol); male with several clumps of gut contents to the left of the hindlegs and abdomen on this slide; apparently no Laboulbeniales on male or female genital segments or abdominal segment 8]” [directly handwritten on the slide] > (FMNH, cAN).

Subfamily Omaliinae MacLeay, 1825

Tribe Omaliini McLeay, 1825

Genus *Omalium* Gravenhorst, 1802*

Omalium rivulare (Paykull, 1789)[§]

Data type. P + S.

Data (P). 1 male: “ILLINOIS | Clark County | Rocky Branch | 27 Apr 1998 | M. A. Goodrich” < printed in rectangular small white label >, “under bark of | dead tree” < printed in rectangular small white label >, “FIELD MUSEUM | ex EIUC [EIUC, handwritten] | (retained duplic.)” < printed in rectangular small white label >, “*Omalium rivulare* | (Paykull) | Thayer det. 1998” < printed in rectangular small white label >, “♂” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “MICH.:Berrien Co.; | 1/4mi.S. Mud Lake Bog | nr. Three Oaks, VI:8: | 1966 leg. S. Peck” < printed in rectangular small white label >, “FMNH(HD)#66-160 | carrion trap | in forest” < printed in rectangular small white label, not dissected > (FMNH); 1 female: “OH: Wayne Co | Wooster | 26-V-1978” < handwritten in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “FIELD MUSEUM NAT. HIST. | *Omalium* ♂♀ [handwritten] | *rivulare* (Payk.) [handwritten] | USA: INDIANA: LaPorte [handwritten] | Co., Michiana 8.VI.1966 [handwritten] | wet forest carrion [handwritten] | trap S. Peck [handwritten]” < printed seal directly pasted on the slide>, < with additional green round seal on the right side: “22 | VII.89 [handwritten; it means that the slide was made by Al. Newton on July 22, 1989.] >” (FMNH, cAN).

Oxytelina Group of subfamilies

Subfamily Osoriinae Erichson, 1839

Tribe Thoracophorini Reitter, 1909

Subtribe Lispinina Bernhauer & Schubert, 1910

Genus *Lispinus* Erichson, 1839

Lispinus quadripunctulus Fauvel, 1864

Data type. P + S.

Data (P). 1 male, 1 female, 2 unsexed: “PANAMA: Canal Zone | Barro Colorado Is. | February 8,25 1976 | A. Newton” < printed in rectangular small white label >, “under bark | 6 mos. dead [This means 6 months dead (tree)]” < printed in rectangular small

white label >, “Lispinus | quadripunctulus | det. U. Irmeler” < printed in rectangular small white label >, < with an additional glass card mounted on the abdominal terminalia for the single male specimen > (FMNH).

Data (S). 1 male, 2 females: “♂♀ A | Lispinus | PANAMA: C. Z. | Barro Col. Isl. | Feb. 4, 1976 | und. bark, | rotting logs | AFN PM” < directly handwritten on the slide>, < with additional comment: “aed. pm. rent.” [directly handwritten on the slide] > (FMNH, cAN); 3 females [divided in three slides]: “PANAMA: Canal Zone | Barro Colorado Is. | February 8,25 1976 | A. Newton” < printed in rectangular small white label, directly pasted on the slide >, “under bark | 6 mos. dead” < printed in rectangular small white label, directly pasted on the slide >, “Lispinus | quadripunctulus | det. U. Irmeler” < printed in rectangular small white label, directly pasted on the slide > (FMNH).

Staphylinine Group of subfamilies

Subfamily Pseudopsinae Ganglbauer, 1895

Genus *Pseudopsis* Newman, 1834*

Pseudopsis montoraria Herman, 1975

Data type. P + S + R.

Data (P). 2 males, 2 females: “USA: CA: Marin Co., Lily | Gulch, W side Alpine | Lake, 220m, 37°57'N, | 122°38'W, 6.xi.1993, | Sequoia-Acer forest near | pond” < printed in rectangular small white label >, “FMHD #93-126, Winkler | extract, forest leaf and | log litter, A. Newton & | M. Thayer 937 | FIELD MUS. NAT. HIST.” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | Pseudopsis | montoraria | Herman | CAL.: Amador Co | Peddler Hill, | 7000', VI.27.1975 | berl., litter, mixed | conifer forest | AFN PM” < directly handwritten on the slide> (FMNH, cAN).

Data (R). Herman (1975).

Subfamily Staphylininae Latreille, 1802

Tribe Staphylinini Latreille, 1802

Subtribe Quediina Kraatz, 1857

Genus *Quedius* Stephens, 1829

Subgenus *Distichalius* Casey, 1915

Quedius (Distichalius) paradisi Hatch, 1957

Data type. P + S.

Data (P). 1 male, 1 female: “WASH:Pierce Co., | Mt. Rainier N.P. | Paradise 5420’ | VII.18.1975 | A. Newton, M. Thayer” < printed in rectangular small white label >, “under rocks | and logs, | timberline” < printed in rectangular small white label, not dissected > (FMNH); 1 male, 1 female: “WASH:Pierce Co., | Mt. Rainier N.P. | 1.6mi SW Paradise | 5000’ VII.18.1975 | A. Newton, M. Thayer” < printed in rectangular small white label >, “under bark | conifer” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Quedius* (Dist.) | *paradisi* Hatch | (pm ←) | ORE.: Hood R. Co. | Mt. Hood Mdws. [Meadows] | 5200’, VII.10.1975 | under conifer bark | AN / MT | PM” < directly handwritten on the slide > (FMNH, cAN).

Tachyporine Group of subfamilies

Subfamily Aleocharinae Fleming, 1821

Tribe Gymnusini Heer, 1839

Genus *Gymnusa* Gravenhorst, 1806*

Gymnusa atra Casey, 1911

Data type. P + S + R.

Data (P). 1 female: “Duparquet, Que. | 3. VI. [handwritten] 1941 [1, handwritten] | G. Stace Smith” < printed in rectangular small white label >, “*Gymnusa* [handwritten] | ?= *atra* [handwritten] | det. Newton 1991” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Gymnusa* | ?*atra* Csy. | det. MKT ‘81 | no data- | Liebeck | colln. ? | PM” < directly handwritten on the slide >, < with additional comment: “aed. pm. dorsal” [directly handwritten on the slide] > (FMNH, cAN).

Data (R). Klimaszewski (1979); Klimaszewski *et al.* (2018).

Tribe Oxypodini Thomson, 1859

Subtribe Oxypodina Thomson, 1859

Genus *Oxypoda* Mannerheim, 1830*

Subgenus *Oxypoda* Mannerheim, 1830

Oxypoda (Oxypoda) sp.

Data type. P + S.

Data (P). 1 male, 1 female, 1 unsexed: “USA:Vt. Chitten- | den Co. Essex Jct. | (10miS) mixed for- | est 19-viii-1974” < printed in rectangular small white label >, “FM(HD) #74-228 ex | beech buttress | W. Suter” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female [divided in two slides]: “USA:Vt. Chitten- | den Co. Essex Jct. | (10miS) mixed for- | est 19-viii-1974” < printed in rectangular small white label, directly pasted on the slide >, “FM(HD) #74-228 ex | beech buttress | W. Suter” < printed in rectangular small white label, directly pasted on the slide >, “*Oxypoda* sp. | Det. J. Klimaszewski, | 1993.” (FMNH).

Subfamily Habrocerinae Mulsant & Rey, 1877

Genus *Habrocerus* Erichson, 1839*

Habrocerus capillaricornis (Gravenhorst, 1806)[§]

Data type. P + S + R.

Data (P). 1 male, 1 female: “Penn.: Somerset Co. | 1 mi S Kantner | 10-VI-1976” < printed in rectangular small white label >, “berlese forest | litter LEWatrous” < printed in rectangular small white label >, “*Habrocerus* | *capillaricornis* | Gravenhorst | det. Assing, 1992” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 2 males, 1 female: “♂♀ FM [handwritten in blue ink] A | *Habrocerus* | *capillaricornis* | (Gr.) | MASS.: Mdsx. Co. | Cambridge | VIII.20.1977 | berl., wood chip | pile, AFN, MKT | PM” < directly handwritten on the slide > (FMNH, cAN).

Data (R). Assing & Wunderle (1995).

Genus *Nomimocerus* Coiffait & Saiz, 1965

Nomimocerus marginicollis (Solier, 1849)[§]

Data type. P + S + R.

Data (P). 1 male, 1 female: “CHILE: Aysen Prov., 34 | km W Pto. Aysen, San | Sebastian, 150m, | 24.I.1985” < printed in rectangular small white label >, “FMHD#85-986, cliffbase | mixed forest bamboo | litter, S.&J. Peck, | P#85-103, berlese | FIELD MUSEUM NAT HIST” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 1 male, 1 female: “♂♀ FM [handwritten in red ink] A | *Nomimocerus* | *marginicollis* | (Solier)” < directly handwritten on the slide >, “CHILE: Osorno Prov. | Parque Nac. Puyehue, | 4.1 km E Anticura, | 430m, trap site 662 | 19-26.xii.1982 | valdivian rainfor. | A. Newton & M. Thayer” < printed in rectangular small white label, directly pasted on the slide >, “berl. forest | leaf & log | litter” < printed in rectangular small white label, directly pasted on the slide >, < with additional comment: “PM” [directly handwritten on the slide] > (FMNH, cAN).

Data (R). Assing & Wunderle (1995).

Subfamily Olisthaerinae Thomson, 1858

Genus *Olisthaerus* Dejean, 1833*

Olisthaerus substriatus (Paykull, 1790)[§]

Data type. P + S.

Data (P). 2 males [single male with its abdominal terminalia removed, and glued on the paper card near the body], 1 female, 1 unsexed: “REPUBLIC of ALTAI | Ongudaysky distr., 10 km SE of | Semlinsky pass | 15.VI.1999 leg. A.G. Kirejchuk” < printed in rectangular small white label >, “*Olisthaerus* [handwritten] | *substriatus* (Gyll.) [handwritten] | A.Solodovnikov det. 1999” < printed in rectangular small white label >, < with additional glass cards mounted on the abdominal terminalia for the male and female specimens > (FMNH).

Data (S). 1 male [body without its elytra and hindwings; aedeagus not visible]: “♂ A | *Olisthaerus* | *substriatus* | (Gyll.) | “N.H.” | FM [handwritten in red ink] | CB” < directly handwritten on the slide > (FMNH, cAN); 1 male [elytra and hindwings only]: “♂ W | *Olisthaerus* | *substriatus* | (Gyll.) | “N.H.” | CB” < directly handwritten on the slide > (FMNH, cAN); 1 female: “♀ A | *Olisthaerus* | *substriatus* | (Gyll.) | N.H.: Coos Co. | Jefferson Notch | 3000' | IX.19-20.1974 | under conifer | bark JFL | CB” < directly handwritten on the slide > (FMNH, cAN).

Subfamily Phloeocharinae Erichson, 1839

Genus *Phloeocharis* Mannerheim, 1830*

Subgenus *Phloeocharis* Mannerheim, 1830

Phloeocharis (Phloeocharis) californica Smetana & Campbell, 1980

Data type. P + S.

Data (P). 1 male [abdominal terminalia glued on the paper card near the body]:
“CAL: Tulare Co., 1.8mi. S | Kaveah Camp 5800’ | 13.V.1976, A.Newton + | M. Thayer,
berlese litter | Sequoia + conif. forest” < handwritten in rectangular small white label >,
“VOUCHER | Associated | with larva” < printed in rectangular small blue label >,
“PARATYPE | *Phloeocharis* [handwritten] | *californica* [handwritten] | Smetana &
Campbell [handwritten]” < printed in rectangular small yellow label > (FMNH); 1
female: “Julia Pfeiffer- | Burns St. Pk., Calif. | Mont. Co., VI-13-1972 |
DSChandler&DPLevin | colrs.” < printed in rectangular small white label > , “Berlese |
Redwood duff” < printed in rectangular small white label > , “ALLOTYPE |
Phloeocharis [handwritten] | *californica* Smetana | and Campbell [handwritten] | CNC
No. 16048 [16048, handwritten]” < printed in rectangular small red label, not dissected
> (FMNH).

Data (S). 1 male, 1 female: “♂♀ A | *Phloeocharis* | *californica* | Smet. + Campb. 1980
| 19.III.1995 | FMHD 95-52, | 954 litter | ANMT PM <The complete data is as follows:
“USA: CA: Monterey Co., Los Padres N.F., Skinner Ridge Trail at Mill Creek, 725 m,
Quercus-Arbutus menziesii woodland, berl., leaf & log litter, ANMT site 954” >” <
directly handwritten on the slide > , < with additional green round seal on the right side:
“1.98 [handwritten; it means that the slide was made by Al. Newton on January 1998.]
>” (FMNH, cAN); 1 male: “♂ FM [handwritten in red ink] A | *Phloeocharis* | *californica*
| Smet. + Camp. | CAL.: Calaveras | Co., 3 mi NE | Glencoe, 2000’ | VI.25.1975 | berl.,
litter, oak- | conifer forest | A. Newton CB” < directly handwritten on the slide >
(FMNH, cAN).

Subfamily Trichophyinae Thomson, 1858

Genus *Trichophya* Mannerheim, 1830*

Trichophya pilicornis (Gyllenhal, 1810)[§]

Data type. P + S.

Data (P). 1 male, 1 female: “U.S.A.: OREGON. | Baker Co.; Pine Ck. nr. | Baker. Blue Mountains. | 2:VI:1957. Leg: H Dybas.” < printed in rectangular small white label >, “*Trichophya pilicornis* | (Gyllenhal) | det. Newton 1992” < printed in rectangular small white label, not dissected > (FMNH).

Data (S). 2 males, 2 females: “♂♀ A | *Trichophya pilicornis* (Gyll.) | WASH.: King Co. | c. 10-12 mi N of No. | Bend, c. 1200 ft. 17. IV. 1983 2° | mixed conifer for. | P.J. + C. C. Johnson | aerial dredging | (afternoon) | PM” < directly handwritten on the slide > (FMNH, cAN).

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