Lectotype designations in the Buprestidae collections of the National Museum of Natural History (Coleoptera)

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Abstract


Introduction

The buprestid collections of the United States National Museum of Natural History, Smithsonian Institution (= USNM) are some of the most extensive holdings in North America. The number of primary types far exceeds those in any other collection in the western hemisphere with most of those belonging to the important collections of Casey and Fisher. The bequest of the Charles Fuller Baker collection in 1928 added a number of types and taxa described by Jan Obenberger, perhaps history’s most prolific authority on the family.

However, a substantial portion of the type holdings is represented by all or parts of the original syntype series, mostly from the Casey collection and the species described by Obenberger from the Baker material.

Buchanan (1935) detailed the Casey collection including specific information about which specimens from the many diverse series should be considered as the ‘type.’ Obenberger (1924) indicated which specimens came from the Baker collection and which were already in his collection (National Museum, Prague, Czechoslovakia = NMPC) from other sources. Dr. Svatopluk Bily (NMPC) has graciously surveyed the Obenberger collection for species represented by presumed syntypes of the
Agrilus aureocoerulans

Agrilus aureocoerulans Obenberger, 1924:582. The single male syntype in USNM is labelled: Sandakan Borneo Baker/ TYPUS (red)/ 12650 (h)/ Agrilus aureocoerulans m. Type (h) Det. Dr. Obenberger (p)/ Type No.(p) 57693(h) U.S.N.M.(p)/ Agrilus aureocoerulans Obenb. (h, red)/ LECTOTYPE (p) Agrilus aureocoerulans Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). There is a single specimen in NMPC which was not examined, but will be considered as a paralectotype.

Agrilus aureoguttatus Schaeffer

Agrilus aureoguttatus Schaeffer, 1905b:149. Two syntypes are present with the male labelled: Type (red ink)/Huach. Mts(p)VIII.15.(h)Ariz.(p)/ Brooklyn Museum Colln 1929/ Catal. No.(p) 237(h)/ Agrilus aureoguttatus Type Schffr(h)/Cotype No. (p) 42646(h) U.S.N.M.(p)(red)/ LECTOTYPE (p) Agrilus aureoguttatus Schaeffer [male symbol] (h) C. L. BELLAMY (p) (red). The female paralectotype bears the same first six labels.

Agrilus cannulus Obenberger

Agrilus cannulus Obenberger, 1924:613. A single female syntype in USNM is labelled: Dapitan Mindanao Baker/ TYPUS (red)/ 13802(h)/ Agrilus cannulus m. Type (h) Det. Dr. Obenberger(p)/ Type No.(p) 57706(h) U.S.N.M.(p)(red)/ Agrilus cannulus Obenb. (h, red)/ LECTOTYPE (p) Agrilus cannulus Obenb. [female symbol] (h) C. L. BELLAMY(p)(red). A single syntype in NMPC was not examined but is considered a paralectotype.

Agrilus carinellifer Obenberger

Agrilus carinellifer Obenberger, 1924:610. A single male syntype in USNM is labelled: Island of Basilan Baker/ TYPUS (red)/ 13804(h)/ Agrilus carinellifer m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 55705(h) U.S.N.M.(p)(red)/ Agrilus carinellifer Obenb. (h, red)/ LECTOTYPE(p) Agrilus carinellifer Obenb. [male symbol] (h) C. L. BELLAMY (p) (red). There is a single specimen in NMPC which was not examined, but will be considered a paralectotype.

Agrilus dolli Schaeffer

Agrilus dolli Schaeffer, 1904:210. There are four syntypes from which a male is labelled: Type (p, red letters)/ Esprza Rch Brownsville(p)VII. (h)Tex(p)/ Brooklyn Museum Colln 1929/Agrilus dolli Type Schffr(h)/Catal. No(p) 254(h)/Cotype No. (p) 42641(h) U.S.N.M. (p)(red)/ LECTOTYPE (p) Agrilus dolli Schaeffer [male symbol] (h) C. L. BELLAMY(p) (red). The 2 male and 1 female paralectotypes have the same labels.

Agrilus exclusus Obenberger

Agrilus exclusus Obenberger, 1924:614. A single male syntype in USNM is labelled: Dapitan Mindanao Baker/ TYPUS (red)/ 3814(h)/ Agrilus exclusus m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57707(h) U.S.N.M.(p)(red)/ Agrilus exclusus Obenb.(h, red)/ LECTOTYPE(p) Agrilus exclusus Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). There is a single specimen in NMPC which was not examined, but will be considered a paralectotype.

Agrilus ferrisi Dury

Agrilus ferrisi Dury, 1908:368. The male specimen of two syntypes is labelled: [male symbol] /Cin. O. 7.2.6(h)/Agrilus ferrisi Dury(h)/Cotype No.(p) 28514(h) U.S.N.M. (p)(red)/LECTOTYPE (p) Agrilus ferrisi Dury [male symbol] (h) C. L. BELLAMY(p)(red). The paralectotype is female and bears two additional labels: 4th label: Agrilus spinipennis Dury Mss. name, will be published soon (h, folded up); 6th label: Agrilus ferrisi F’29 Dury (typed).
Agrilus huachucae Schaeffer

Agrilus huachucae Schaeffer, 1905b:150. The type locality was listed by Schaeffer as 'Ramsey Canyon, Huachuca Mountains, Ariz.', however, none of the four specimens now bearing red USNM cotype labels are labelled from this locality. Fisher (1928:188) stated that he had redescribed this species from "male cotype, No. 2", but no specimen is labelled in this manner either. Therefore, a male from the series of four syntypes is selected as the lectotype and is labelled: Type (red ink)/ Palmerlee Cochine Co.(p) VII.2(h) Ariz(p)/Brooklyn Museum Colln 1929/Catal. No(p) 242(h)/Agrilus huachucae Type Schaeff(h)/Cotype No(p) 42647(h) U.S.N.M. (p)(red)/Agrilus huachucae Schaeff(h, dual red border) /LECTOTYPE (p) Agrilus huachucae Schaeffer(h) C. L. BELLAMY [male symbol] (p)(red). There are 2 paralectotypes with the same locality labels and a third from 'Huach. Mts (p) VIII.13 (h)Ariz(p).'

Agrilus optatus Obenberger

Agrilus optatus Obenberger, 1924:618. A single male syntype in USNM is labelled: Dapitan Mindanao Baker/ TYPEUS (red) / 13815(h)/ Agrilus optatus m. Type(h) Det. Dr. Obenberger(p)/ Type No(p) 57709(h) U.S.N.M.(p)(red)/ Agrilus optatus Obenb.(h, red) / LECTOTYPE(p) Agrilus optatus Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). A single syntype in NMPC which was not examined, but will be considered a paralectotype.

Agrilus pictithorax Obenberger

Agrilus pictithorax Obenberger, 1924:574. The single female syntype in USNM is labelled: Sandakan Borneo Baker/ TYPEUS (red) / 12659(h)/ Agrilus pictithorax m. Type(h) Det. Dr. Obenberger(p)/ Type No(p) 57859(h) U.S.N.M.(p)(red)/ Agrilus pictithorax Obenb.(h, red) / LECTOTYPE(p) Agrilus pictithorax Obenb. [female symbol] (h) C. L. BELLAMY (p)(red). A single syntype in NMPC which was not examined, but will be considered a paralectotype.

Agrilus simillipictus Obenberger

Agrilus simillipictus Obenb. (h, red) / LECTOTYPE (p) Agrilus simillipictus Obenb. [female symbol] (h) C. L. BELLAMY (p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

Agrilus subtropicus Schaeffer

Agrilus subtropicus Schaeffer, 1905a:131. There are two specimens with the male labelled: Type (p, red ink) [male symbol] (h)/ Esp. Ranch(h) Browns- ville(p) V(h)Tex(p)/ Agrilus subtropicus type. Schffr(h)/ Catal. No(p)224(h)/ Brooklyn Museum Colln 1929 (p)/ Cotype No(p) 42656(h) U.S.N.M. (p) (red)/ Agrilus subtropicus Schffr(p)/ LECTOTYPE (p) Agrilus subtropicus Schaeffer [male symbol] (h) C. L. BELLAMY (p)(red). The female paralectotype has the same first six labels.

Aphanisticus peninsulae Obenberger

Aphanisticus peninsulae Obenberger, 1924:625. The single male syntype in USNM is labelled: Island of Penang Baker/ TYPUS (red) / 12630(h)/ Aphanisticus peninsulae m. Type(h) Det. Dr. Obenberger(p)/ Type No(p) 57734(h) U.S.N.M.(p)(red)/ Aphanisticus peninsulae Obenb.(h, red) / LECTOTYPE(p) Aphanisticus peninsulae Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

Brachys fascifera Schwarz

Brachys fascifera Schwarz, 1878:363. There are six syntypes in the type series. A male is labelled: Tampa Fl(p)9.4(h)/ Coll. Hubbard & Schwarz/ Type Schwarz(h)/ Type USNM(p) 4517(h)/ LECTOTYPE (p) Brachys fascifera Schwarz [male symbol] (h) C. L. Bellamy(p)(red). The other 5 bear paralectotype labels.

Buprestis adducta Casey

Buprestis adducta Casey, 1909:103. There are six syntypes of which a female is labelled: Or/ Casey bequest 1925/ Type No(p) 35771(h) U.S.N.M. (p)(red)/ adducta Casey(h)/ LECTOTYPE (p) Buprestis adducta Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other 5 bear paralectotype labels.
Buprestis caliginosa Casey

*Buprestis caliginosa* Casey, 1909:102. From the syntype series of seven, a male is labelled: Boulder Col./ [male symbol] / Casey bequest 1925/ Type No.(p) 35768(h) U.S.N.M.(p)(red)/ caliginosa Csy(h)/ LECTOTYPE (p) *Buprestis caliginosa* Casey [male symbol] (h) C. L. BELLAMY(p)(red). The other 6 differ in the arrangement of the other labels but all bear paralectotype labels.

Buprestis crenata Casey

*Buprestis crenata* Casey, 1909:110. There are 12 syntypes of which a female is labelled: Cal/ Casey bequest 1925/ Type No.(p) 35787(h) U.S.N.M. (p)(red)/ crenata Csy(h)/ LECTOTYPE (p) *Buprestis crenata* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other 11 are labelled as paralectotypes.

Buprestis disruptans Casey

*Buprestis disruptans* Casey, 1909:94. Of the two syntypes, a male is labelled: N.M./ [male symbol] / Casey bequest 1925/ Type No.(p) 35752(h) U.S.N.M. (p)(red)/ disruptans Csy(h)/ LECTOTYPE (p) *Buprestis disruptans* Casey [male symbol] (h)/ C. L. BELLAMY(p)(red). The other syntype bears a paralectotype label.

Buprestis flavopicta Casey

*Buprestis flavopicta* Casey, 1909:96. There are four syntypes of which a male is labelled: Bayfld, Wis Wickham/ [male symbol] / Casey bequest 1925/ Type No.(p) 35757(h) U.S.N.M.(p)(red)/ flavopicta Csy (h)/ LECTOTYPE (p) *Buprestis flavopicta* Casey [male symbol] (h)/ C. L. BELLAMY(p)(red). The other three labelled from Minn. or Duluth Minn. and bear paralectotype labels.

Buprestis fulgens Casey

*Buprestis fulgens* Casey, 1909:107. There are four syntypes with a female labelled: Dak/ Casey bequest 1925/ Type No.(p) 35774(h) U.S.N.M. (p)(red)/ fulgens Csy(h)/ LECTOTYPE (p) *Buprestis fulgens* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other three bear paralectotype labels.

Buprestis fusca Casey

*Buprestis fusca* Casey, 1909:101. There are four syntypes of which a female is labelled: Bayfld/ Casey bequest 1925/ Type No.(p) 35766(h) U.S.N.M. (p)(red)/ fusca Csy(h)/ LECTOTYPE (p) *Buprestis fusca* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other three are labelled as paralectotypes.

Buprestis graminea Casey

*Buprestis graminea* Casey, 1909:114. There are three syntypes with a female labelled: Boulder Col./ Casey bequest 1925/ Type No.(p) 35790(h) U.S.N.M. (p)(red)/ graminea Csy(h)/ LECTOTYPE (p) *Buprestis graminea* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The remaining two bear paralectotype labels.

Buprestis gravida boulderensis Casey

*Buprestis gravida boulderensis* Casey, 1909:96. Of the two syntypes, a female is labelled: Boulder Col./ Casey bequest 1925/ Type No.(p) 35756(h) U.S.N.M.(p)(red)/ boulderensis Csy(h)/ LECTOTYPE (p) *Buprestis gravida boulderensis* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The remaining syntype bears a paralectotype label.

Buprestis leporina Casey

*Buprestis leporina* Casey, 1909:92. There are two syntypes with a female labelled: Mich/ Casey bequest 1925/ Type No.(p) 35748(h) U.S.N.M. (p)(red)/ leporina Csy(h)/ LECTOTYPE (p) *Buprestis leporina* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other syntype is labelled as a paralectotype.
Buprestis maculipennis deficiens Casey

Buprestis maculipennis deficiens Casey, 1909:91. There are three syntypes from which a female is labelled: Southern Pines N.C. (bottom line cut off)/ Casey bequest 1925/ Type No.(p) 35745(h) U.S.N.M.(p)(red)/ deficiens Csy(h)/ Casey det(p) 2 maculipennis(h)/ LECTOTYPE (p) Buprestis maculipennis deficiens Casey [female symbol] (h) C. L. BELLAMY (p) (red). The two remaining syntypes bear paralectotype labels.

Chalcophora angulicollis montana Casey

Chalcophora angulicollis montana Casey, 1909:80. There are two syntypes from which a female is labelled: Boulder Co. Col(p)/ Casey bequest 1925/ Type No.(p) 35735(h) U.S.N.M. (p) (red)/ montana Cs(h)/ Chalcophora angulicollis montana Casey [female symbol] (h) C. L. BELLAMY (p) (red). The paratype differs in that the second label is: montana-2(h) ParaType No.(p) 35735(h) U.S.N.M.(p)(red).

Chalcophora laurentica Casey

Chalcophora laurentica Casey, 1909:82. There are three syntypes from which a male is labelled: Ont(h)/ Casey bequest 1925/ Type No.(p) 35739(h) U.S.N.M. (p) (red)/ laurentica Cs(h)/ Chalcophora laurentica Casey [female symbol] (m) C. L. BELLAMY(p) (red). The other two bear paralectotype labels.

Cinyra prosternalis Schaeffer

Cinyra prosternalis Schaeffer, 1904:205. This species was described from four specimens and the syntypes were split up prior to the accession of the Brooklyn Museum collection to USNM in 1929. Within the short series of specimens at USNM, there are four specimens which bear similar labels and might possibly be the original syntype series. However, one specimen is definitely not conspecific and possibly represents an undescribed species and therefore, will not be considered as a paratype. From the remaining three, a male is labelled: Type (p, red ink)/ Esper. Rch. Brownsville(p) VII.(h) Tex(p)/ Cinyra prosternalis Type Schffr(h)/ Catal. No.(p) 88(h)/Brook Mus Colln 1929/ Cotype No.(p) 42635(h) U.S.N.M.(p)/ LECTOTYPE (p) Cinyra prosternalis Schaeffer [male symbol] (h) C. L. BELLAMY (p) (red). One female paralectotype bears the same labels and the male paralectotype bears one additional label 'ex Shoemaker Collection 1956.' The fourth specimen of the original series, and thus the third paralectotype, is housed in the Calif. Acad. of Sciences.

Conognatha fisheri Hoscheck

Conognatha fisheri Hoscheck, 1934:251. This species was described from eight specimens sent to Hoscheck by Fisher. Hoscheck recorded the retention of two syntypes for his collection. From the six syntypes present, a male is labelled: Los Andes 1600m Valparaiso Nov. 1929 Chile(h)/ E.P.Reed Collector/ typus/ Cotype No.(p) 51071(h) U.S.N.M. (p)(red)/ Cont. fisheri m.(h) Det. Hoscheck 19(p)33(h)/ LECTOTYPE (p) Conognatha fisheri Hoscheck [male symbol] (h) C. L. BELLAMY (p)(red). The four male and 1 female paralectotypes bear the same labels. The two paralectotypes in the Hoscheck collection could not be examined.

Conognatha neutra Hoscheck

Conognatha neutra Hoscheck, 1934:274. Two syntypes are present with the male labelled: Oct.(p)/ Chapada(p)/ typus(p)/ Cotype No. (p) 51072(h) U.S.N.M.(p)/ Con. neutra m.(h) Det. Hoscheck 19(p)33(h)/ LECTOTYPE (p) Conognatha neutra Hoscheck [male symbol] (h) C. L. BELLAMY (p) (red). The female paralectotype bears the same labels except that the first two labels are reversed and the second is 'Sept.(p)'. According to the description, there was a single male retained in Hoscheck's collection which could not be examined but should be considered as an additional paralectotype.

Cypriacis obscura Casey

Cypriacis obscura Casey, 1909:125. There are two syntypes from which a female is labelled: Penn./ Casey bequest 1925/ Type No.(p) 35804(h) U.S.N.M.(p)(red)/ obscura Cs(h)/ LECTOTYPE (p) Cypriacis obscura Casey [female symbol] (h) C. L. BELLAMY (p)(red). The second is labelled as a paratype.

Cypriacis venusta Casey

Cypriacis venusta Casey, 1909:122. From the syntype series of four, a female is labelled: Cal./ Casey bequest 1925/ Type No.(p) 35799(h) U.S.N.M.(p)(red)/ venusta Cs(h)/ LECTOTYPE (p) Cypriacis venusta Casey [female symbol] (h) C. L.
Endelus (p) (red). The other three bear paralectotype labels.

Endelus bakerianus Obenberger

Endelus bakerianus Obenberger, 1924:630. The single male syntype in USNM is labelled: Singapore Coll. Baker/ TYPUS (red)/ 12617(h)/ Endelus bakerianus m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57728(h) U.S.N.M.(p)(red)/ Endelus bakerianus Obenb.(h, red)/ LECTOTYPE(p) Endelus bakerianus Obenb. [male symbol] (h) C. L. BELLAMY (p) (red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

Endelus belial Obenberger

Endelus belial Obenberger, 1924:629. The single female syntype in USNM is labelled: Los Baios P.I. Baker/ TYPUS (red)/ 13790(h)/ Endelus belial m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57725(h) U.S.N.M.(p)(red)/ Endelus belial Obenb.(h, red)/ LECTOTYPE(p) Endelus belial Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

Gyascutus amplus Casey

Gyascutus amplus Casey, 1909:64. Three syntypes form the type series with the female lectotype labelled: St. George Utah July Wickham/ Casey bequest 1925/ Type No.(p) 35713(h) U.S.N.M. (p)(red)/ amplus Csy.(h)/ LECTOTYPE (p) Gyascutus amplus [female symbol] (h) by(p) G.H.NELSON '87(h)(red). One male and one female syntype bear the same first and second labels with a sex symbol label placed between; they are further labelled as paralectotypes.

Gyascutus compactus Casey

Gyascutus compactus Casey, 1909:66. A series of nine syntypes represents this species with the female lectotype labelled: Ari./ [female symbol] (h)/ Casey bequest 1925/ Type No.(p) 35721(h) U.S.N.M.(p)(red)/ compactus Csy.(h)/ LECTOTYPE(p) Gyascutus compactus [female symbol] Csy.(h) by(p) G.H.NELSON '87 (h) (red). One female and seven male paralectotypes bear similar labels.

Gyascutus fidelis Casey

Gyascutus fidelis Casey, 1909:65. The three male syntypes have one labelled: Ari./ [male symbol] / [male symbol] (h)/ Casey bequest 1925/ Type No.(p) 35716(h) U.S.N.M. (p)(red)/ fidelis Csy.(h)/ LECTOTYPE(p) Gyascutus fidelis [male symbol] Csy. (h) by(p) G.H.NELSON '87(h)(red). The two paralectotypes bear similar labels.

Gyascutus pistorius Casey

Gyascutus pistorius Casey, 1909:63. This species is represented by a pair of syntypes. The male is labelled: Demming NM Aug(h)/ Casey bequest 1925/ Type USNM(p) 35710(h)(red)/ pistorius Csy.(h)/ LECTOTYPE(p) Gyascutus pistorius [male symbol] Csy.(h) by(p) G.H.NELSON '87(h)(red). The female paralectotype bears similar labels with the first two identical.

Hippomelas grossus Casey

Hippomelas grossus Casey, 1909:57. This species is represented by two syntypes with a female labelled: Tex(h)/ Casey bequest 1925/ Type No.(p) 35702(h) U.S.N.M.(p)(red)/ Hippomelas grossus Csy.(h)/ LECTOTYPE(p) Hippomelas grossus Csy. det. G.H.NELSON '87(h)(red). The paralectotype bears similar labels, but the sex is not determined.

Hippomelas planicauda Casey

Hippomelas planicauda Casey, 1909:58. Three syntypes represent this species with the female labelled: Ariz./ Casey bequest 1925/ Type No.(p) 35704(h) U.S.N.M.(p)(red)/ planicauda Csy.(h)/ LECTOTYPE(p) Hippomelas planicauda [female symbol] Csy. (h) by(p) G.H.NELSON '87(h)(red). Two male paralectotypes bear similar labels.

Meliboeus carbonicolor Obenberger

Meliboeus carbonicolor Obenberger, 1924:552. The single female syntype is labelled: Sandakan Borneo Baker (p)/ TYPUS (p)(red)/ 12654 (h)/ Meliboeus carbonicolor m. Type(h) Det Dr. Obenberger(p)/ Type USNM(p) 57740(h)/ Meliboeus carbonicolor Obenb.(h, red)/ LECTOTYPE (p) Meliboeus carbonicolor Obenb. [female symbol] (h) C. L. BELLAMY (p) (red). There is one paralectotype in NMPC, which was not examined.
**Meliboeus pravus** Obenberger

*Meliboeus pravus* Obenberger, 1924:552. The single male syntype is labelled: Sandakan Borneo Baker (p)/ TYPUS (p)(red)/ 12655(h)/ Meliboeus pravus m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57741(h) U.S.N.M.(p)(red)/ Meliboeus pravus Obenb.(h)/ LECTOTYPE(p) Meliboeus pravus Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). The single syntype in NMPC was not examined and is considered to be a paralectotype.

**Pachyschelus caerulens** Schwarz

*Pachyschelus caerulens* Schwarz, 1878:364. There are three male and two female syntypes. One male is labelled: Tampa 25.4 Fla(h)/ Coll. Hubbard & Schwarz(p)/ type! Schwarz(h)/ [male symbol] (p)/ Type No.(p) 4695(h) U.S.N.M.(p)(red)/ Pachyschelus caerulens Sz(h)/ Pachyschelus Schwartzii Kerr(h)/ LECTOTYPE (p) *Pachyschelus caerulens* Schwarz [male symbol] (h) C. L. Bellamy(p)(red). The other 4 bear paralectotype labels.

**Pachyschelus orientalis** Obenberger

*Pachyschelus orientalis* Obenberger, 1924:654. The single male syntype is labelled: Singapore Coll. Baker/ TYPUS (red)/ 12626(h)/ Pachyschelus weyersi Th†ry Kerr (h, folded up, black border)/ Type No.(p) 57731(h) U.S.N.M.(p)(red)/ Pachyschelus orientalis m. Type(h) Det. Dr. Obenberger(p)/ LECTOTYPE(p) *Pachyschelus orientalis* Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered as a paralectotype.

**Poecilonota cupripes** Casey

*Poecilonota cupripes* Casey, 1909:169. From the three syntypes a male is labelled: Bayfld. Wis. Wickham/ Casey bequest 1925/ Type No.(p) 358229(h) U.S.N.M.(p)(red)/ cupripes Csy(h)/ LECTOTYPE (p) *Poecilonota cupripes* Casey [male symbol] (h) C. L. BELLAMY(p)(red). The other two bear paralectotype labels.

**Poecilonota parviceps** Casey

*Poecilonota parviceps* Casey, 1909:169. There are two syntypes with one female labelled: N.M./ Casey bequest 1925/ Type No.(p) 35853(h) U.S.N.M.(p)(red)/ parviceps (A) / LECTOTYPE (p) *Poecilonota parviceps* Casey [female symbol] (h) C. L. BELLAMY(p)(red). The other one bears a paralectotype label.

**Polycesta arizonica** Schaeffer

*Polycesta arizonica* Schaeffer, 1906:21. At the time of description, Schaeffer did not state the number of specimens before him. There is only listed a single length measurement for the male (15 mm) and female (20 mm). The are four specimens in USNM listed respectively as type, allotype and paratypes. Only the ‘allotype’ specimen is labelled from Palmerlee, the type locality, but both the ‘type’ and ‘allotype’ are labelled with small red-inked ‘type’ labels as was usual for Schaeffer. There is no indication that Barr examined any of these specimens in his revision of the genus (1949). Therefore, that specimen labelled as ‘type’, a male will be considered as the lectotype and is labelled: Type (p, red ink)/ Huach Mts. (p) VII.19(h) Ariz(p)/ Polycesta arizonica Type Schaeff [male symbol] (h)/ Catal No.(p) 175(h)/ Brook Mus Colln 1929/ Type No.(p) 42632(h) U.S.N.M.(p)/ LECTOTYPE (p) *Polycesta arizonica* Schaeffer [male symbol] (h) C. L. BELLAMY(p)(red). The female paralectotype bears the same labels except for the [male symbol] on the third label. Those two specimens subsequently labelled as ‘paratypes’ are not considered here as paralectotypes.

**Rhaeboscelis texana** Schaeffer

*Rhaeboscelis texana* Schaeffer, 1904:211. There are four syntypes in the type series. A male is labelled: Type(p, red ink)/ Esper. Rch. Brownsville(p) VI(h) Tex(p)/ Rhaeboscelis texana Type Schffr.(h)/ Catal No.(p) 270(h)/ Brooklyn Museum Coll. 1929/ Cotype No.(p) 42642(h) USNM(p)/ Rhaeboscelis texana Schffr(h, two red borders)/ LECTOTYPE (p) *Rhaeboscelis texana* Schaeffer [male symbol] (h) C. L. BELLAMY(p)(red). The other 3 bear paralectotype labels.

**Sambus delicatulus** Obenberger

*Sambus delicatulus* Obenberger, 1924:547. The single male syntype is labelled: Island of Baskan Baker/ TYPUS (red)/ 13785(h)/ Sambus delicatulus m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57737(h) U.S.N.M.(p)(red)/ Sambus delicatulus Obenb(h, red)/ LECTOTYPE(p) *Sambus delicatulus* Obenb. [male symbol] (h) C. L. BELLAMY(p)(red). The single syntype in NMPC which
was not examined, but will be considered a paralectotype.

*Stereosa cribripennis* Casey

*Stereosa cribripennis* Casey, 1909:127. There are two syntypes of which a male is labelled: Alas./H.P. Loding(p) Grave Bay Mch 08(h)/ Casey bequest 1925/ Type No.(p) 35805(h) U.S.N.M. (p) (red)/ cribripennis Csy(h)/ LECTOTYPE (p) Stereosa cribripennis Casey [male symbol] (h) C. L. BEL-LAMY (p) (red). The other specimen bears a paralectotype label.

*Stictocera laticornis* Casey

*Stictocera laticornis* Casey, 1909:70. One female and three male syntypes define this species with the female labelled: Tucson Ariz. W.(h)/ Casey bequest 1925/ Type No.(p) 35724(h) U.S.N.M.(p)(red)/ laticornis Csy.(h)/ LECTOTYPE(p) Stictocera laticornis [female symbol] Csy.(h) by(p) G.H.NELSON '87(h)(red). The three paralectotypes bear similar labels.

*Stictocera pollens* Casey

*Stictocera pollens* Casey, 1909:70. This species is represented by four female syntypes with one labelled: Tex/ Casey bequest 1925/ Type No.(p) 35725(h) U.S.N.M.(p)(red)/ Stictocera pollens Csy.(h)/ LECTOTYPE(p) Stictocera pollens [female symbol] Csy.(h) by(p) G.H.NELSON '87(h)(red). The three paralectotypes bear similar labels.

*Texania bisinuata* Casey

*Texania bisinuata* Casey, 1909:86. From the five syntypes a female is labelled: Tex/ Casey bequest 1925/ Type No.(p) 35742(h) U.S.N.M.(p)(red)/ bisinuata Csy(h)/ LECTOTYPE (p) Texania bisinuata Casey [female symbol] (h) C. L. BEL-LAMY(p)(red). The remaining four bear paralectotype labels.

*Trachys fisheri* Obenberger

*Trachys fisheri* Obenberger, 1924:649. A single male syntype is labelled: Iligan Mindanao Baker/ TYPUS (red)/ 13799(h)/ Trachys fisheri m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57721(h) U.S.N.M.(p)(red)/ Trachys fisheri Obenb.(h, red)/ LECTOTYPE(p) Trachys fisheri Obenb. [male symbol] (h) C. L. BEL-LAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

*Trachys isolata* Obenberger

*Trachys isolata* Obenberger, 1924:650. The single male syntype is labelled: Island of Penang Baker/ TYPUS (red)/ 12622(h)/ Trachys isolata m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57722(h) U.S.N.M.(p)(red)/ Trachys isolata Obenb. (h, red)/ LECTOTYPE(p) Trachys isolata Obenb. [male symbol] (h) C. L. BEL-LAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

*Trachys scriptella* Obenberger

*Trachys scriptella* Obenberger, 1924:648. The single female syntype is labelled: Singapore Coll. Baker/ TYPUS (red)/ 12619(h)/ Trachys scriptella m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57720(h) U.S.N.M.(p)(red)/ Trachys scriptella Obenb.(h, red)/ LECTOTYPE(p) Trachys scriptella Obenb. [female symbol] (h) C. L. BEL-LAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

*Trachys subaenella* Obenberger

*Trachys subaenella* Obenberger, 1924:647. The single male syntype is labelled: Sandakan Borneo Baker/ TYPUS (red)/ 12635(h)/ Trachys subaenella m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57719(h) U.S.N.M.(p)(red)/ Trachys subaenella Obenb.(h, red)/ LECTOTYPE(p) Trachys subaenella Obenb. [male symbol] (h) C. L. BEL-LAMY(p)(red). The single syntype in NMPC which was not examined, but will be considered a paralectotype.

*Trachys (Habroloma) bakeriana* Obenberger

*Trachys (Habroloma) bakeriana* Obenberger, 1924:644. The single female syntype is labelled: Sandakan Borneo Baker/ TYPUS (red)/ 12636(h)/ Trachys bakeriana m. Type(h) Det. Dr. Obenberger(p)/ Type No.(p) 57716(h) U.S.N.M.(p)(red)/ Trachys bakeriana Obenb.(h, red)/ LECTOTYPE(p) Trachys (Habroloma) bakeriana Obenb. [female symbol] (h) C. L. BEL-LAMY(p)(red). The single syntype in NMPC which was not examined and is considered to be a paralectotype.

*Trachys (Habroloma) singaporenensis* Obenberger

*Trachys (Habroloma) singaporenensis* Obenberger, 1924:643. The single female syntype is labelled:
Tyndaris chamaeleonis Skinner

*Tyndaris chamaeleonis* Skinner, 1903:237. This species was based on two specimens, both of which are present and female. One is labelled: Esprza Rch Brownsville(p) VII.3(h) Tex(p)/ Type (red ink)/ Catal. No(p)215(h)/ Brooklyn Museum Colln 1929/ Cotytype No.(p) 42657(h) U.S.N.M.(p)/ Tyndaris chamaeleonis Skinner(h)/ LECTOTYPE(p) *Tyndaris chamaeleonis* Skinner(h) C. L. BELLAMY (p) (red). The paralectotype is labelled: N. Braunfels Cowal Co. Tex(h)/ Collection O. Dietz(h)/ Type(h)/ Cotytype No.(p) 42657(h) U.S.N.M.(p)/ Tyndaris chamaeleonis Skinner(h)/ PARALECTOTYPE(p) (yellow).

*Tyndaris olneyae* Skinner

*Tyndaris olneyae* Skinner, 1903:236. Skinner did not list an exact number of specimens at the time he described this species. There are seven syntypes present in USNM with six from 'Hot Springs' (Yavapai Hot Springs) and one from Florence, Arizona. Since plural terminology is used in discussing the specimens from Florence, there are probably additional examples from the original type series at an undisclosed collection, perhaps the Philadelphia Academy of Sciences, which have not been examined. Since neither locality listed in the description should have precedence over the other, the lectotype has been chosen from the six syntypes from 'Hot Springs.' A male is labelled: Hot Srpgs(p) 28.6(h) Ar(p)/ Barber & Schwarz Coll/ Cotytype No.(p) 6956(h) U.S.N.M.(p)/ LECTOTYPE(p) *Tyndaris olneyae* Skinner(h) C. L. BELLAMY (p) (red). The remaining five specimens from 'Hot Springs' vary only with date of capture. They and the single specimen from Florence are labelled as paralectotypes.

Acknowledgments

We would like to thank Svata Bily, NMPC, and Dave Kavanaugh and Roberta Breck, California Academy of Sciences, for information regarding specimens housed in their collections.

Literature Cited


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