Hennessey: Types in Staten Island Institute


INSECT TYPE SPECIMENS IN THE STATEN ISLAND INSTITUTE OF ARTS AND SCIENCES, NEW YORK

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ABSTRACT

This is the first comprehensive listing of types held by the Staten Island Institute of Arts and Sciences. The insect collection was started by William T. Davis in 1882. Pinned specimens representing 16 orders number approximately one-half million. Eighty-seven holotypes, 4 lectotypes, and syntypes for 59 species are listed with references to original descriptions.

RESUMEN

Esta es la primera lista comprensiva de tipos mantenidos en la colección de insectos del Staten Island Institute of Arts and Sciences, la cual fue iniciada por William T. Davis en 1882. Esta colección incluye aproximadamente un medio millón de ejemplares montados representando 16 órdenes. La lista incluye 87 holótipos, 4 lectótipos y síntipos de 59 especies, con referencias a descripciones originales.

The entomology collection of the Staten Island Institute of Arts and Sciences had its beginnings with specimens deposited by William T. Davis in 1882. It currently contains approximately one-half million pinned specimens representing 16 orders; most collected in the USA, primarily New York and New Jersey. The collection is referred to as the “Staten Island Museum” and the “Davis Collection” in the entomological literature of the early 1900’s.

During its 108 year history, many notable entomologists including Davis, Charles W. Long, and Howard Notman deposited specimens in the collection. Long served as

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director of the Institute during the period in which he published his catalog of the Coleoptera (1920). Davis deposited the majority of the specimens in the collection, including over 60,000 cicadas, during his 63-year association with the Institute. After Davis, Notman contributed the greatest number of specimens, mainly beetles, to the museum. Unpublished notes, catalogs, and correspondence of Davis and Notman, including hundreds of letters received by Davis from other naturalists and photographs of visiting famous systematists, are maintained in an archives housed near the museum.

Original orthography of species names is given below. Only those specimens verified as holotypes, lectotypes, or syntypes are listed. Labels stating “type”, “paratype”, “cotype”, or “typus” are presumed to have been placed by the describer of the species. Specimens listed as syntypes do not have lectotype or paralectotype labels although they may have such standing. In addition to primary types and syntypes, the collection contains many paratypes which are not included in the present list.

**ORDER COLEOPTERA**

**FAMILY BUPRESTIDAE**

*Acmaeodera lucia* Fall, 1901:307. One probable syntype, collected Prescott, Arizona labelled “nov. spec.”

**FAMILY CARABIDAE**

*Amara edax* Notman, 1920b:186. Holotype labelled “type”.
*A. teres* Notman, 1921:146. Holotype labelled “type”.
*Bembidion (Parabracteum) tuberculatum* Notman, 1929:157. Holotype labelled “type”.
*Bembidium basicoarne* Notman, 1920b:185. Three syntypes labelled, respectively, “type”, “allotype”, and “paratype”.
*B. dilaticollis* Notman, 1919d:227. Holotype labelled “type”.
*B. lengi* Notman, 1919a:98. One syntype labelled “type”.
*B. occulator* Notman, 1919c:295. Holotype labelled “type”.
*B. proximum* Notman, 1919c:296. Holotype labelled “type”.
*B. quadratulum* Notman, 1919c:296. Holotype labelled “type”.
*B. semicinctum* Notman, 1919b:129. Holotype labelled “type”.
*Brennus oreophilus riveri* Roeschke, 1907:183. One probable syntype labelled “var. riveri Roeschke”.
*Callisthenes debilis* Casey, 1920:67. Holotype labelled “type”. Probably “type” examined and identified as *Callisthenes simmormani* (LeConte, 1848) by Gidaspow (1959:319).
*Dyschirius surculus* Notman, 1920a:26. Two syntypes; 1 labelled “type”, 1 labelled “paratype”.
*Harpalus cordifer* Notman, 1919d:235. One syntype labelled “type”.
*Pachyteleus beyeri* Notman, 1919d:225. Holotype labelled “type”.
*Patrobunus longipalpus* Notman, 1919d:231. Holotype labelled “type”.
*Plochionus bicolor* Notman, 1919d:234. One syntype labelled “type”.
*Pseudomorphus hubbardi* Notman, 1925:14. Holotype labelled “type”, and 2 paratypes, both labelled “allotype”.
*P. vindicata* Notman, 1925:14. Holotype labelled “type”.
*Tachys conjugans* Notman, 1919d:229. One syntype labelled “type”.
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**Family Cerambycidae**

*Anoploclera willstati* (Olivier, 1792), var. *saratogensis* Rau, 1935:63. Holotype labelled “type”, and 1 paratype labelled “allotype”.

**Family Chrysomelidae**

*Calligapha apicalis* Notman, 1919b:139. Holotype labelled “type”.

*Crepidoidea solani* Blatchley, 1925:167. Two syntypes labelled “cotype”.

*Phytodecta notmani* Schaeffer, 1924:140. Two syntypes labelled “paratype” (1 missing from point).

**Family Cicindelidae**


*Omus horni punctatus* Casey, 1916:23. One syntype labelled “cotype”.

**Family Cleridae**

*Clarius jouteli* Leng, 1909:103. Holotype labelled “type”.

**Family Cryptophagidae**

*Agathengis lineola* Notman, 1920a:29. Two syntypes labelled, respectively, “type” and “paratype”.

*Atomaria parviceps* Notman, 1921:158. Holotype labelled “type”.

**Family Curculionidae**

*Liurus crassulus* Notman, 1920a:31. Holotype labelled “type”.

*Trachyphloeus davisi* Blatchley and Leng, 1916:115. One syntype labelled “paratype”.

**Family Elateridae**

*Elater longipennis* Notman, 1921:159. Holotype labelled “type”.

*Hyponoea fleti* Notman, 1921:159. Holotype labelled “type”.

*Ludius exilis* Notman, 1920a:30. Holotype labelled “type”.

**Family Gyrinidae**

*Gyrinus falli* Notman, 1919b:131. Holotype labelled “type”.

*G. fraterculus* Notman, 1919b:131. Holotype labelled “type”.

**Family Histeridae**

*Hetaerius helenae* Mann, 1914:178. One syntype labelled “paratype”.

*Hister davisi* Schaeffer, 1908:318. Two syntypes labelled “paratype”.

**Family Hydrophilidae**

*Cercyon basilaris* Notman, 1920b:187. Holotype labelled “type”.
G. incrustatus Notman, 1920b:186. Holotype labelled “type”.
Cymbiodyta minima Notman, 1919b:133. One syntype labelled “type”.
Hydraena anguiculta Notman, 1921:146. Holotype labelled “type”.
Hydrochus laticollis Notman, 1919b:132. Holotype labelled “type”.

Family Leiodidae

Cainosternum imbricatum Notman, 1921:148. Holotype labelled “type”.
Hydnobius laticeps Notman, 1920a:27. Holotype labelled “type”.

Family Nitidulidae

Eupurae ornatum Notman, 1919a:102. Holotype labelled “type”.
Heterostomus mordelloides Notman, 1920a:29. One syntype labelled “type”.

Family Pselaphidae

Decarthron exiguum Notman, 1920b:187. Holotype labelled “type”.

Family Ptiliidae

Ptendiun simplicicolle Notman, 1921:158. Holotype labelled “type”.

Family Silphidae

Colon elongatum Notman, 1919a:98. Holotype labelled “type”.

Family Staphylinidae

Actobius falcicornis Notman, 1920a:27. Holotype labelled “type”.
Amphibolithium demissum Notman, 1921:155. Holotype labelled “type”; 3 specimens labelled “paratype”.
Anadynerus brevipennis Notman, 1922:107. Holotype labelled “type”; 2 specimens labelled “paratype” (1 missing from point).
Bledius dickersoni Notman, 1922:104. Holotype labelled “type”.
B. mixtus Notman, 1922:104. Holotype labelled “type”.
B. verticalis Notman, 1921:148. Holotype labelled “type”.
Boreaphilus americana Notman, 1918:188. Holotype labelled “type”.
Gyrokleneus (Hygoperina) davisi Notman, 1924a:72. Holotype labelled “type”; 11 specimens labelled “paratype”.
G. paulipennis Notman, 1921:53. Holotype labelled “type”.
Hydroscotia tincta Notman, 1921:156. Holotype labelled “type” (missing from point).
H. torruda Notman, 1921:156. Holotype labelled “type”.
Lathrobius humile Notman, 1919a:100. Lectotype labelled “lectotype”; 2 paralecotypes, unlabelled as such (Watrous 1979:26).
L. lintneri Notman, 1921:151. Holotype labelled “type”; 1 specimen labelled “allotype”.
L. tenebrosum Notman, 1919a:99. Holotype labelled “type”.
Leptusa (Utilus) laticollis Notman, 1921:153. Holotype labelled “type” (missing from point); 1 specimen labelled “allotype”.
Matrysa obscuricornis Notman, 1919b:134. Holotype labelled “type” (missing from point).
Oxypoda (*Demosoma*) *schaefferi* Notman, 1920b:193. One syntype labelled “type”; 1 synatype labelled “paratype”.

*Philonthus* *opacicrensis* Notman, 1919b:135. Holotype labelled “type”.

*P. strigicolis* Notman, 1919b:136. One syntype labelled “type”; 1 syntype labelled “paratype”.

*P. tetragonocephalus* Notman, 1924b:271. Holotype labelled “type”; 5 paratypes, 1 labelled “allotype”, 4 labelled “paratype”.

*Pseudacrodex cephalotes* Notman, 1922:105. Holotype labelled “type”.

*Scopaeoma pallida* Notman, 1921:152. Holotype labelled “type”; 2 specimens labelled, respectively, “allotype” and “paratype”.

*Scopaeus linearis* Notman, 1919a:100. Three syntypes; 1 labelled “type”, 2 labelled “paratype”.

*S. quadricopes* Notman, 1920a:28. Holotype labelled “type”.

*Stenus caenicollus* Notman, 1919b:137. Holotype labelled “type”.

*S. edax* Notman, 1920b:191. Holotype labelled “type”.

*S. fulvoguttatus* Notman, 1920b:190. Holotype labelled “type”; 1 specimen labelled “allotype”.

*S. perexilis* Notman, 1920b:191. Holotype labelled “type”.

*Thinopterus amphibus* Notman, 1921:149. Holotype (missing from point) labelled “type”; 1 paratype labelled “paratype” (missing from point); 8 paratypes unlabelled as such.

*T. grandicollis* Notman, 1921:150. Holotype labelled “type” (missing from point).

*T. tardus* Notman, 1921:149. Holotype labelled “type”; 1 paratype labelled “paratype” (missing from pin), 2 paratypes unlabelled as such.

*Thinophilus apiicorpus* Notman, 1921:150. Holotype labelled “type” (missing from point).

*T. caseyi* Notman, 1921:150. Holotype labelled “type”; 1 paratype labelled as such; 3 paratypes not labelled as such.

*Thiosophila parvula* Notman, 1921:157. Holotype labelled “type”; 3 specimens, 1 labelled “allotype” (missing from point), 2 labelled “paratype”.

*Trogphidius lacustris* Notman, 1924b:270. Holotype labelled “type”.

*T. vespertinus* Notman, 1920b:189. Two syntypes, 1 labelled “type”, 1 labelled “paratype”.

*T. volans* Notman, 1920b:188. Six syntypes, 1 labelled “type”, 5 labelled “paratype”.

*T. weissi* Notman, 1924a:71. Holotype labelled “type”.

**ORDER DIPTERA**

**FAMILY CUTEREBRIDAE**

*Cuterebra emasculator* Fitch, 1856:478. One specimen labelled “neotype” by an unknown worker, has no type standing (C. W. Sabrosky, United States National Museum of Natural History, personal communication).

**FAMILY DOLICHOPODIDAE**

*Dolichopus burnesi* Van Duzee, Cole, and Aldrich, 1921:14. One paratype labelled “holotype”; 1 non-type specimen, labelled “allotype”, collected Wading River, Long Island, not from type locality.

**FAMILY OESTRIDAE**

*Cephenomyia abdominalis* Aldrich, 1915:149. Holotype labelled “type”.
Family Tabanidae

*Chrysops hinei* Daecke, 1907:143. One syntype labelled “cotype”.
*C. parvulus* Daecke, 1907:142. One syntype labelled “cotype”.

Family Tachinidae

*Ptilodescia obscura* West, 1925:133. Holotype labelled “holotype”.

Order Hemiptera

Family Alydidae

*Protenor australis* Hussey, 1925:64. Holotype labelled “holotype”; 1 paratype labelled “allotype”.

Family Lygaeidae

*Ligyrocoris confraternus* Barber, 1914:512. Three syntypes, 2 labelled “type”, 1 labelled “cotype”.
*Ozophora trinotatus* Barber, 1914:515. Two syntypes, each labelled “cotype”.
*Peritrechus paludemaris* Barber, 1914:516. One syntype labelled “cotype”.

Family Miridae

*Lyrus fugi* Knight, 1917:609. One syntype labelled “paratype”.

Family Reduviidae

*Ghisanella productilis* Barber, 1914:902. One syntype labelled “type”.
*Pselliopus barberi* Davis, 1912b:21. Holotype labelled “type”.
*Sauca fusco-vittata* Barber, 1914:504. One syntype labelled “type”.

Order Homoptera

Family Aclilidae

*Catonia bicinctura* Van Duzee, 1915b:119. One syntype labelled “type”.

Family Cicadidae

A list of types transferred from the Institute to the American Museum of Natural History (AMNH), New York, and those types for which place of repository was uncertain or unknown, was given by Pallister (1946a,b).

*Acrilla nana* Jacobi, 1903:11. Two syntypes, each labelled “type”.
*Cacama carbonaria* Davis, 1919b:70. Holotype labelled “type”.
*Cicada tinei* Smith and Grossbeck, 1907:plate 4, fig. 2. Two syntypes labelled “cotype”.
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C. sayi Smith and Grossbeck, 1907:plate 4, fig. 5. Six syntypes, each labelled “cotype”.
C. winnemannna Davis, 1912a:3. Three syntypes labelled “paratype”.
Dicerosprocta biconica (Walker, 1850), var. obscurior Davis, 1935a:183. Holotype labelled “type”; 1 specimen labelled “allotype”.
D. cleavesi Davis, 1930:61. Holotype labelled “type”.
Fidicina pusilla Berg, 1879:140. Two syntypes, each labelled “type”.
Gymnottomypana nenians Jacobi, 1903:11. One syntype labelled “type”.
Neoplatypepida constricta Davis, 1920:121. Holotype labelled “type”.
Okanagana hirsuta Davis, 1915, race catalina Davis, 1936:114 Holotype labelled “type”.
O. ornata Van Duzee, 1915a:26. One syntype labelled “type”.
O. pellidula Davis, 1917a:213. Holotype labelled “type”.
O. tristis Van Duzee, 1915a:26. One syntype labelled “cotype”.
Platypedia barbata Davis, 1920:120. Holotype labelled “type”; 1 specimen labelled “allotype”.
P. fulcata Davis, 1920:118. Holotype labelled “type”.
P. laticapitata Davis, 1921b:14. Holotype labelled “type”; 1 specimen labelled “allotype”.
P. scotti Davis, 1935b:308. Holotype labelled “type”; 1 specimen labelled “allotype”; 7 specimens labelled “paratype”.
Rihana sayi (Smith and Grossbeck, 1907), var. australis Davis, 1912c:261. Two syntypes, each labelled “type”.
Terpnosia fuscolimbata Schumacher, 1915:111. Two syntypes, each labelled “typus”.
Tibicen daviisi (Smith and Grossbeck, 1907), var. harned Davis, 1918:143. Holotype labelled “type”.
T. paralleloides Davis, 1934:39. Holotype labelled “type”.

FAMILY MEMBRACIDAE

Cyrtolobus fuscipennis Van Duzee, 1908:81. Two syntypes, each labelled “type”.
C. ovatus Van Duzee, 1908:79. Three syntypes, each labelled “type”.

ORDER HYMENOPTERA

FAMILY CYNIPIDAE

Neuroterus thompsoni Kinsey, 1920:301. Three syntypes (1 missing from point), each labelled “cotype” (1 gall).

ORDER LEPIDOPTERA

FAMILY ARCTIIDAE

Pygarctia grossbecki Davis, 1913a:60. One syntype labelled “type”.

FAMILY GEOMETRIDAE

Selidosoma cypressaria Grossbeck, 1917:96. Two syntypes, both labelled “cotype”.

FAMILY PYRALIDAE

Diviana verecuntella Grossbeck, 1917:132. One syntype labelled “cotype”.
FAMILY SATURNIIDAE
*Tropaea luna* (Linneus, 1758) var. *rubromarginata* Davis, 1912b:91. Three syntypes, 1 labelled “type”, 2 labelled “cotype”.

ORDER ODONATA
FAMILY AESCHNIDAE
*Neocordulia obsolete clara* Muttkowski, 1910:174. Holotype labelled “holotype”.
*N. virginiensis* Davis, 1927:156. Holotype labelled “type”.

FAMILY COENAGRIONIDAE
*Enallagma recurvatum* Davis, 1913b:15. Holotype labelled “type”, and 5 paratypes, 1 also labelled “type”, 4 labelled “paratype”.

FAMILY MACROMIIDAE
*Didymops floridensis* Davis, 1921a:110. Holotype labelled “type”.

ORDER ORTHOPTERA
FAMILY ACRIDIDAE
*Hudrotettix mundus* Scudder, 1900b:67. Two syntypes, both labelled “Scudder’s type”.
*Mestobregma hyalinum* Scudder, 1900a:90. Three syntypes, each labelled “Scudder’s type”.
*M. rosaceum* Scudder, 1900a:90. One syntype labelled “Scudder’s type”.
*Stenobothrus olimaceus* Morse, 1893:477. Four syntypes, each labelled “type”.
*Trimerotropis picta* Scudder, 1877:31. One syntype labelled “Scudder’s type”.

FAMILY GRYLLACRIDIDAE
*C. rebebi* Blatchlcy, 1920:616, plate 6,d. Lectotype designated Hubbell (1929:19), and 1 specimen labelled “allolectotype”.

FAMILY GRYLLIDAE
*Oecanthus exclamationis* Davis, 1907:173. Lectotype designated Walker (1966:269), and 6 paralectotypes (2 labelled “type”, 4 “cotype”).

FAMILY MANTIDAE
*Stagmomantis floridensis* Davis, 1919a:4. Holotype labelled “type”, 1 specimen labelled “allotype”, and 1 labelled “paratype”.

FAMILY TETTIGONIIDAE
*Conocephalus Caudellianus* Davis, 1905:289. Five syntypes, 3 labelled “type”, 2 labelled “cotype”.
C. exiliscanorius Davis, 1887:57. Five syntypes, 1 labelled "type", 2 labelled "paratype", 2 unlabelled.

Orchelimum erythrocephalum Davis, 1905:288. Six syntypes, all labelled "cotype".

**Family Tetrigidae**

*Apotettix erythrocephalus* Hancock, 1902, form *brevipennis* Hancock, 1902:100. Two syntypes, both labelled "cotype".

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**References Cited**


——. 1946b. Cicadas described by Wm. T. Davis which should be in the Davis Collection or place of deposit uncertain. Proc. Staten Island Inst. Arts and Sci. 10: 48.


1900a. The clear winged species of the oedipodine genus *Mestobregma*. Psyche 9: 90-93.


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CHECKLIST OF THE GROUND BEETLES OF FLORIDA
(COLEOPTERA: CARABIDAE)

LITERATURE RECORDS

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ABSTRACT

Literature records for Florida ground beetles are given for 380 species. From these records, the Florida ground beetle fauna is concluded to consist mainly of Nearctic elements, but there is a small Neotropical representation in south Florida.

RESUMEN

Se dan los registros de la literatura para la Florida de 380 especies de escarabajos de tierra. De estos registros se concluye que la fauna de los escarabajos de tierra de la Florida consisten principalmente de elementos Nearticcos, pero que también hay una pequeña representación Neotropical en el sur de la Florida.

The preliminary aspects of a faunal study necessarily involve literature records. Many records may ultimately prove false, being based upon misidentified specimens. But these records are needed to identify new state records, and to provide species lists...