

CATALOG OF ENTOMOLOGICAL TYPES IN THE BISHOP MUSEUM

Hymenoptera: Dryinidae¹

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Abstract. This catalog lists 242 primary and secondary types of dryinids deposited in the Bishop Museum collection. Listed in a separate section are R.C.L. Perkins' species and subspecies not found at the Bishop Museum. Ninety-three lectotypes are designated.

The Dryinidae collection at the Bishop Museum is one of the largest in the world. The collection encompasses some 900 specimens (of which $\frac{2}{3}$ belong to 123 identified species) and contains 242 type specimens, of which 120 are primary (holotypes, lectotypes) and 122 secondary (paratypes). Of these, 239 types represent dryinid species described by R.C.L. Perkins (1903, 1905, 1906a, 1907, and 1912), primarily from collections made in USA, Australia and Oceania. Three types represent dryinid species described by R. Fouts in 1939 from collections made in the Marquesas Is.

This catalog includes all holotypes, lectotypes and paratypes actually deposited in the Bishop Museum Hymenoptera collection. Except for 1 species and 2 subspecies, the types of all R.C.L. Perkins' species are found in the Bishop Museum. The exceptions are listed in a separate section at the end of the main catalog.

Names are listed as published in the original description, including the "varieties" described by Perkins. Types are not listed by subfamily, because the present structure of subfamilies is questionable.

Perkins' original descriptions did not designate type specimens. Where species are described from single specimens, the specimens are listed as holotypes, as per Article 73(a) in the *International Code of Zoological Nomenclature*. In all other cases of Perkins' dryinid descriptions except one, the lectotype designated is the specimen which agrees with the original description and is labeled "Type" in Perkins' handwriting. The single exception is the specimen of *Agonatopus pallidicornis* labeled "Type" by Perkins, which was missing from its mount. A lectotype, chosen among the topotypes, is designated in this case.

The collection information given herein is a synthesis of the type label data and the collection information published in the original descriptions. Occasionally, the collection information includes 2 dates: the first usually refers to the date of collection of the parasitized leafhopper, the second to the emergence of the dryinid from the cocoon.

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Host information is provided according to type-label data (A), the original description (B), or Perkins' host list (C) (Perkins, 1906b, p. xxi–xxiv). Host list data are accepted only if I have ascertained that the leafhopper was the host of the primary type. A rearing number sometimes follows the host information.

The format follows that given in Radovsky et al. (1976).

SPECIES-GROUP ENTRIES

Family DRYINIDAE

americanus Perkins, <i>Haplogonatopus</i>	LECTOTYPE ♀	5810
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 40		pin
USA: Ohio: Columbus A. Koebele & O. Swezey		
Reared from <i>Liburnia</i> (C) or collected?		
Published as Koebele & Swezey collectors, labeled Koebele only.		
Paralectotypes, 2♀.		
americanus Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5838
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 37–38		pin
USA: Ohio: Columbus A. Koebele		
Reared from <i>Liburnia</i> (C) or collected?		
amoenus Perkins, <i>Perodryinus</i>	LECTOTYPE ♀	5835
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 43–44		pin
USA: Arizona: Nogales 24.VIII.1906 A. Koebele		
Reared from nymph of <i>Amphiscepa bivittata</i> (Say) (B), 20.IX.1906 (A), No. 2426 (error for 2446 according to Perkins, 1907)		
Two specimens, ♀ and ♂, on same pin bearing the label "Type." I designate the ♀ lectotype and the ♂ as paralectotype.		
amphiscepae Perkins, <i>Hesperodryinus</i>	LECTOTYPE ♀	5816
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 41–42		pin
USA: Arizona: Nogales 30.IX.1906 A. Koebele		
On weeds (A)		
Paralectotypes, 1♀, 1♂. Probable paralectotypes: 5♀, 1♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
anomala Perkins, <i>Gonatopus</i>	LECTOTYPE ♀	5799
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11: 14		pin
Fiji IS 1905 F. Muir		
Reared from jassid (B)		
apicalis Perkins, <i>Haplogonatopus</i>	LECTOTYPE ♀	5811
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 39–40		pin
AUSTRALIA: Queensland: Bundaberg 1904		
Reared (B) Dissected 16.II.1905 (A)		
Paralectotypes, 2♀, 1♂.		
argyrias Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5766
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 20		pin
USA: Arizona: Nogales 21.IX.1906 A. Koebele		
On weeds (AB)		
arizonensis Perkins, <i>Anteon</i>	LECTOTYPE ♀	5742
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 51–52		pin
USA: Arizona: Nogales 18.IX.1906 A. Koebele		
Reared from jassid nymph on willow (B), 16.X.1906 (A), No. 2467		
Paralectotype, 1♂.		

arizonica Perkins, <i>Eukoebeleia</i>	HOLOTYPE ♀	5797
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 44-45 USA: Arizona: Nogales 22.IX.1906 A. Koebele On weeds (AB)	pin	
aronicus Perkins, <i>Aphelopus</i>	LECTOTYPE ♀	5743
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 53 USA: Arizona: Nogales 11.IX.1906 A. Koebele Reared from <i>Dikraneura?</i> (B), 29.IX.1906 (A), No. 2454 Perkins described ♀ and ♂ of <i>aronicus</i> . Both are on the same pin bearing the label "Type." Actually, both specimens are females, each belonging to a different species. Since Perkins described the uppermost specimen first in the original description, I designate this specimen as lectotype of <i>aronicus</i> and I treat the second specimen as an unknown species. Paralectotypes, 2♀.	pin	
aronicus Perkins, <i>Hesperodryinus</i>	LECTOTYPE ♀	5817
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 42-43 USA: Arizona: Nogales 1.X.1906 A. Koebele Reared from nymphs of <i>Mistharnophantia sonorana</i> Kirkaldy (B), 1.I.1907 (A), No. 2481 Probable paralectotype: topotype with same collection data as type but lacking Perkins' handwritten determination label, 1♂.	pin	
aronicus Perkins, <i>Neodryinus</i>	LECTOTYPE ♀	5819
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 38 USA: Arizona: Nogales 5.IX.1906 A. Koebele Reared from nymphs of <i>Ormenis septentrionalis</i> on oak (B), 4.X.1906 (A), No. 2450 Probable paralectotype: 1♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
aronicus Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5839
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 36-37 USA: Arizona: Nogales 21.IX.1906 A. Koebele Reared from <i>Stobaera</i> sp. ? (B), 13.X.1906 (A), No. 2452 Paralectotypes, 1♀, 1♂.	pin	
audax Perkins, <i>Hesperodryinus</i>	HOLOTYPE ♀	5818
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 43 USA: Arizona: Nogales VIII A. Koebele On oak (AB)	pin	
australiae Perkins, <i>Gonatopus</i>	LECTOTYPE ♀	5786
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 41-42 AUSTRALIA: Queensland: Bundaberg 1904 Reared (B) Dissected 17.II.1905 (A) Paralectotypes, 2♀.	pin	
autoxenobius Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5840
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 37 USA: Arizona: Nogales 3.IX.1906 A. Koebele Published in original description as reared from <i>Stobaera</i> adult (B), labeled as collected on grass (A), No. 2463	pin	
bifasciatus Perkins, <i>Echthrodelpach</i>	LECTOTYPE ♀	5792
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 49-50 AUSTRALIA: Queensland: Bundaberg 1904 Reared (B), 9.XI.1904 (A) Paralectotypes, 2♀.	pin	
brevicornis Perkins, <i>Haplogonatopus</i>	HOLOTYPE ♀	5812
1906 <i>Hawaii. Sugar Plant Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(10): 489 AUSTRALIA: New South Wales: Tweed Riv, Queensland side: Condong 22.XII.1904 A. Koebele Reared from <i>Liburnia</i> (near <i>Chloriona</i>) (C), 6.I.1905 (A), No. 2232 Dissected 6.I.1905 (A)	pin	

brunnescens Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5800
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 44-45	pin	
USA: Ohio A. Koebele		
Reared from <i>Athysanus curtisii</i> (C)		
Lectotype studied by Freytag and Back (1977). Probable paralectotype: 1♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.		
chelogynoides Perkins, <i>Prosanteon</i>	LECTOTYPE ♀	5836
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 66-67	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Sandhills Pupated 22.X.1904 (A) Reared from <i>Tartessus?</i> nymph (C), 19.XI.1904 (A)		
cognatus Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5751
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 64	pin	
AUSTRALIA: Queensland: Bundaberg 5.XII.1904		
Sandhills (A) Reared from <i>Idiocerus</i> or <i>Macropsis?</i> nymph (C), 27.XII.1904 (A)		
coriaceus Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5752
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 65	pin	
AUSTRALIA: Queensland: Redlynch nr Cairns 1904		
Reared from <i>Euleimonios</i> adult (C), 17.VIII.1904 (A)		
decoratus Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5765
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 47-48	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared from <i>Phrymophyes</i> (C)		
destructor Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5753
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 64	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Pupated 28.XI.1904 (A) Reared from <i>Eurinoscopus</i> (C), 24.XII.1904 (A)		
Paralectotypes, 1♀, 1♂.		
dichromus Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5841
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 37	pin	
AUSTRALIA: Queensland: Bundaberg 6.XII.1904		
Sandhills (A) Reared from <i>Liburnia</i> (C)		
Paralectotypes, 3♀, 1♂. Probable paralectotypes: 11♀, 3♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
dimidiatus Perkins, <i>Neochelogynus</i>	HOLOTYPE ♀	5754
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 63	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared from <i>Eurinoscopus</i> nymph (C), 28.XI (A)		
dubiosus Perkins, <i>Neodryinus</i>	HOLOTYPE ♀	5820
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 39	pin	
USA: Arizona: Nogales VIII A. Koebele		
On oak (AB)		
dubiosus Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5801
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 44	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared from grass jassid (A), 14.XII.1904 (A)		
Paralectotypes, 2♀.		
dubiosus Perkins, <i>Pseudogonatopus stenocrani</i>	LECTOTYPE ♀	5852
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 39	pin	
USA: Ohio: Columbus A. Koebele		
Lectotype studied by Freytag (1978).		
dubius Fouts, <i>Anteon</i>	HOLOTYPE ♀	800
1939 <i>B.P. Bishop Mus. Bull.</i> 142: 157-58 Fig 1e	pin	
MARQUESAS IS: Nukuhiva I: Teivipakeka 427 m 16.X.1929 E.P. Mumford & A.M. Adamson		

echo Perkins, Chalcogonatopus	LECTOTYPE ♀	5767
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 23 USA: Arizona: Nogales 28.IX.1906 A. Koebele On weeds (AB)	pin	
erythrodes Perkins, Neogonatopus	LECTOTYPE ♀	5802
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 43 USA: Ohio: Columbus A. Koebele Reared from <i>Deltoccephalus?</i> (C) Lectotype studied by Freytag and Back (1977).	pin	
euprepes Perkins, Chalcogonatopus	HOLOTYPE ♀	5768
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 18-19 USA: Arizona: Nogales 2.IX.1906 A. Koebele On oak (AB) Date published as VIII.1906 in original description.	pin	
euprepoides Perkins, Chalcogonatopus	HOLOTYPE ♀	5769
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 19 USA: Arizona: Nogales VIII A. Koebele On oak (AB)	pin	
fairchildii Perkins, Echthrodelpax	LECTOTYPE ♀	1595
1903 <i>Terr. Hawaii Bd. Comm. Agric. For. Entomol. Bull.</i> 1 : 37 HAWAIIAN IS: Oahu I: Ewa Plantation 1903 R.C.L. Perkins Reared from <i>Perkinsiella saccharicida</i> (B)	pin	
fallax Perkins, Epigonatopus	LECTOTYPE ♀	5794
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 490-91 AUSTRALIA: New South Wales: Mittagong 18.I.1905 A. Koebele On grass (B)	pin	
ferrugineus Perkins, Agonatopus	LECTOTYPE ♀	5736
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 30 USA: Arizona: Nogales 26.VIII.1906 A. Koebele On grass (AB) Paralectotypes, 3♀.	pin	
frequens Perkins, Chalcogonatopus	LECTOTYPE ♀	5770
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 21-22 USA: Arizona: Nogales 11.IX.1906 A. Koebele On weeds (AB) Paralectotypes, 3♀. Probable paralectotypes: 22♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
funestus Perkins, Chelogynus	LECTOTYPE ♀	5755
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 48-49 USA: Arizona: Tucson A. Koebele Reared from jassid nymph on small bush (B), 26.VI.1906 (A), No. 2420 Two specimens, ♀ and ♂, on the same pin bearing the label "Type." I designate the ♀ as lectotype and the ♂ as paralectotype. Paralectotypes, 3♀, 2♂. Probable paralectotypes: 9♀, 2♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
gigas Perkins, Chalcogonatopus	LECTOTYPE ♀	5771
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 47 AUSTRALIA: Queensland: Bundaberg 1904 Reared from nymph of <i>Tartessus syrtidis</i> (C), No. 2325 Paralectotype, 1♀.	pin	
gigas Perkins, Paradryinus	HOLOTYPE ♀	5825
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 55-56 AUSTRALIA: Queensland: Bundaberg XI.1904	pin	

haplothorax Perkins, <i>Gonatopus</i>	LECTOTYPE ♀	5787
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 35-36	pin	
USA: Arizona: Nogales 28.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotypes, 3♀.		
herbarum Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5772
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 23-24	pin	
USA: Arizona: Nogales 29.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotypes, 2♀. Probable paralectotypes: 8♀, 3♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
heterothorax Perkins, <i>Agonatopus</i>	HOLOTYPE ♀	5737
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 32	pin	
USA: Arizona: Nogales A. Koebele		
Pupated 10.X.1906 (A) Reared from large dark jassid nymph found on grass (B), in Honolulu 17.I.1907 (B), No. 2495		
hospes Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5842
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 12-13	pin	
CHINA F. Muir		
Reared in Honolulu from <i>Perkinsiella saccharicida</i> from Chinese stock (A) IV-V. 1907		
Paralectotypes, 3♀.		
ignotus Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5756
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 493	pin	
AUSTRALIA: New South Wales: Sydney 2.II.1905 A. Koebele		
innitidus Perkins, <i>Agonatopus</i>	LECTOTYPE ♀	5738
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 31-32	pin	
USA: Arizona: Nogales 1906 A. Koebele		
Pupated 1.X.1906 (A) Reared from a very small jassid found on grass (B), 3.III.1907 (A), No. 2506		
javanus Perkins, <i>Dicondylus</i>	LECTOTYPE ♀	5789
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 15-16	pin	
INDONESIA: Java: Pekalongan 1907 F. Muir		
Reared from <i>Deltcephalus</i> adult (B)		
Paralectotypes, 4♀. Probable paralectotypes: 2♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
javanus Perkins, <i>Paradryinus</i>	LECTOTYPE ♀	5826
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 11-12	pin	
INDONESIA: Java: Pekalongan F. Muir		
Reared from <i>Thanatodictya</i> nymph (B)		
Paralectotype, 1♀. Probable paralectotypes: 1♂ topotype with similar collection data as type, but lacking Perkins' handwritten determination label.		
juncetorum Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5843
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 36	pin	
AUSTRALIA: Queensland: Childers		
Reared (B), 5.XI.1904 (A)		
kiefferi Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5844
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 487-88	pin	
FIJI IS: Viti Levu I: Suva A. Koebele		
Reared from cocoon on a tree, on which many examples of a fulgorid, <i>Vanua vitiensis</i> , were noticed (B)		
Paralectotype, 1♀.		

koebelei Perkins, Chalcogonatopus	LECTOTYPE ♀	5773
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 26-27	pin	
USA: Arizona: Nogales 23.VIII.1906 A. Koebele		
On oak (AB)		
Paralectotype, 1 ♀.		
koebelei Perkins, Gonatopus	LECTOTYPE ♀	5788
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(10): 489-90	pin	
AUSTRALIA: New South Wales: Paramatta, Sydney 1905 A. Koebele		
Reared from <i>Athysanus</i> (C), No. 2369		
koebelei Perkins, Neodryinus	LECTOTYPE ♀	5821
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 51-52	pin	
AUSTRALIA: Queensland: Bundaberg 7.X.1904 A. Koebele		
Sandhills Reared from nymph of <i>Colgar peracutus</i> (C), 7.XI.1904 (A)		
Paralectotypes, 2 ♀, 2 ♂. Probable paralectotypes: 2 ♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
koebelei Perkins, Paradryinus	LECTOTYPE ♀	5827
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 54-55	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Sandhills Reared (B), 21.XI.1904 (A)		
Paralectotypes, 4 ♀. Probable paralectotypes: 9 ♀, 10 ♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
koebelei Perkins, Thaumatomdryinus	LECTOTYPE ♀	5853
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 58-59		
AUSTRALIA: Queensland: Cairns: O'Briens VII.1904		
Reared from <i>Siphanta</i> nymph (C), 27.IX.1904 (A)		
Chela on Hymenoptera slide No. 2536.		
kurandae Perkins, Pseudogonatopus	LECTOTYPE ♀	5845
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 35-36	pin	
AUSTRALIA: Queensland: Kuranda 9.VIII.1904		
Reared from <i>Liburnia</i> (C), 10.IX.1904 (A)		
Collecting locality published as Kuranda in original description, labeled as Kuranda, but also labeled as Cairns. Paralectotype, 1 ♀.		
leiosomus Perkins, Neochelogynus	HOLOTYPE ♀	5757
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 62	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared from <i>Eurinoscopuss</i> nymph (C)		
leptias Perkins, Chalcogonatopus	LECTOTYPE ♀	5774
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 17-18	pin	
USA: Arizona: Nogales VIII A. Koebele		
On weeds and grass (B)		
Paralectotypes, 2 ♀.		
leptias Perkins, Paradryinus	HOLOTYPE ♀	5828
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 56	pin	
AUSTRALIA: Queensland: nr Cairns IX.1904		
Reared from nymph of <i>Hasta hastata</i> (C), 5.X.1904 (A).		
Iusus Perkins, Chelogynus	LECTOTYPE ♀	5758
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 50	pin	
USA: Arizona: Tucson A. Koebele		
Reared from jassid nymph (B), 20.VI.1906 (A), No. 2420		
Two specimens, ♀ and ♂, are on the same pin bearing the label "Type." I designate the ♀ as lectotype and the ♂ as paralectotype.		

melanacrias Perkins, <i>Chelogynus</i>	LECTOTYPE ♀	5759
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 49–50	pin	
USA: Arizona: Nogales 29.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotype, 1 ♀.		
melanacrias Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5850
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 487	pin	
Fiji IS: Viti Levu I: Suva III.1905		
Reared from delphacid, nr <i>Stenocranus</i> , on <i>Zoysia pungens</i> (ABC), No. 2377		
Paralectotypes, 2 ♀. Probable paralectotype: 1 ♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.		
melanias Perkins, <i>Pachygonatopus</i>	LECTOTYPE ♀	5824
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 46	pin	
AUSTRALIA: Queensland: Bundaberg and Rockhampton		
Pupated 24.IX.1904 Reared (AB), ♂ emerged 5.X.1904 (A), ♀ emerged 9.X.1904 (A), No. 2291		
Locality data from original description, locality label missing. Two specimens, ♀ and ♂, on the same pin bearing the label "Type." I designate the ♀ as lectotype and the ♂ as paralectotype. Paralectotypes, 2 ♂.		
melanostigmus Perkins, <i>Prosanteon</i>	LECTOTYPE ♀	5837
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 493–94	pin	
AUSTRALIA: New South Wales: Mittagong 18.I.1905 A. Koebele		
On <i>Melaleuca linartifolia</i> (AB)		
microleucus Perkins, <i>Aphelopous</i>	LECTOTYPE ♂	5744
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 55	pin	
USA: Arizona: Nogales 16.IX.1906 A. Koebele		
Reared from <i>Typhlocyba</i> (<i>Zygina</i>) (B), 1.X.1906 (A), No. 2456		
mimoides Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5803
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 34–35	pin	
USA: Arizona: Nogales 29.IX.1906 A. Koebele		
On weeds (AB)		
Lectotype studied by Freytag (1977).		
mimus Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5804
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 33–34	pin	
USA: Arizona: Nogales 23.IX.1906 A. Koebele		
On weeds (AB)		
Lectotype studied by Freytag (1977). Paralectotypes, 3 ♀. Probable paralectotypes: 7 ♀, 2 ♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
mirabilis Perkins, <i>Eukoebeleia</i>	LECTOTYPE ♀	5798
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 59	pin	
USA: Ohio A. Koebele		
Paralectotype, 1 ♀.		
moestus Perkins, <i>Haplogonatopus</i>	LECTOTYPE ♀	5813
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 40	pin	
AUSTRALIA: Queensland: Mulgrave nr Cairns VIII.1904		
Reared from <i>Hadeodelphax</i> nymph (C)		
myrmecophilus Perkins, <i>Paranteon</i>	LECTOTYPE ♀	5834
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 67–68	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Sandhills (A) Reared from <i>Ipo</i> (C), 22.XI.1904 (A)		
Paralectotypes, 2 ♀. Probable paralectotypes: 5 ♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		

nelsoni Perkins, Neodryinus	LECTOTYPE ♀	5822
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 52	pin	
AUSTRALIA: Queensland: Nelson on the Mulgrave 1904		
Reared from nymph of <i>Colgar peracutus</i> (C), 24.VIII.1904 (A)		
Possible mislabeling: locality published in original description as Nelson on the Mulgrave, labeled Mulgrave, but also labeled Cairns. Paralectotype, 1♂. Probable paralectotype: 1♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.		
nigricans Perkins, Paragonatopus	LECTOTYPE ♀	5833
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 41	pin	
AUSTRALIA: Queensland: Bundaberg 19.XI.1904		
Reared (B)		
Paralectotypes, 2♀. One paralectotype ♀ labeled FIJI IS, 1906, probably mislabeled. Probable paralectotypes: 4♀, 2♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
nigricollis Perkins, Echthrodelphax	LECTOTYPE ♀	5793
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 49	pin	
AUSTRALIA: Queensland: Cairns 1904		
Reared (B)		
Paralectotypes, 1♀, 1♂.		
nigricornis Perkins, Neochelogynus	LECTOTYPE ♀	5760
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 63	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared from <i>Eutettix</i> (C), 27.XII.1904 (A)		
Paralectotypes, 3♀.		
nitidus Perkins, Neochelogynus	HOLOTYPE ♀	5761
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 62	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
nudus Perkins, Pseudogonatopus	LECTOTYPE ♀	5846
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 12	pin	
INDONESIA: Java I: Pekalongan 1907 F. Muir		
Reared from <i>Dicranotropis</i> (B), No. 349		
obscurissimus Perkins, Neogonatopus	LECTOTYPE ♀	5805
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 43-44	pin	
USA: Ohio: Columbus A. Koebele		
Reared from <i>Deltoccephalus</i> ? (C), or collected?		
Lectotype studied by Freytag and Back (1977).		
ombrodes Perkins, Neogonatopus	LECTOTYPE ♀	5806
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 43	pin	
USA: Ohio: Columbus A. Koebele		
Reared from <i>Deltoccephalus sayi</i> (C) [= <i>Latalus sayi</i> (Fitch) according to Freytag (1977)]		
Lectotype studied by Freytag (1977). Paralectotype, 1♀. Probable paralectotypes: 3♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
opacus Perkins, Pseudogonatopus	LECTOTYPE ♀	5847
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 38	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Sandhills Reared from <i>Liburnia</i> (nr <i>Chloriona</i>) (C), 30.X.1904 (A)		
Paralectotypes, 1♀, 1♂.		
optabilis Perkins, Chalcogonatopus	LECTOTYPE ♀	5775
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 47	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Reared (B)		
Paralectotypes, 1♀, 1♂.		

pallidiceps Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5807
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 45 USA: California: Alameda Jan. Reared from <i>Athysanus</i> (C) [= <i>Deltoccephalus fuscinervis</i> V.D. according to Freytag (1977)] Lectotype studied by Freytag (1977).	pin	
pallidicornis Perkins, <i>Agonatopus</i>	LECTOTYPE ♀	5739
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 29-30 USA: Arizona: Nogales 14.IX.1906 A. Koebele On weeds (AB) Specimen labeled as "Type" by Perkins, which would have been designated as lectotype, missing from mount. I designate a syntype as lectotype. Paralectotype, 1♀. Probable paralectotypes: 4♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
pallidicornis Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5764
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, 1(1): 65-66 AUSTRALIA: Queensland: Bundaberg 1904 Reared from <i>Deltoccephalus?</i> nymph (C)	pin	
pallidus Perkins, <i>Chlorodryinus</i>	LECTOTYPE ♀	5749
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 57-58 AUSTRALIA: Queensland: Mulgrave VIII.1904 Reared from nymph of <i>Siphanta?</i> (C), IX.1904 (A) Two specimens, ♀ and ♂, on the same pin bearing the label "Type." I designate the ♀ as lectotype and the ♂ as paralectotype. Paralectotypes, 1♀, 4♂. Probable paralectotypes: 2♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
palustris Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5848
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 36 AUSTRALIA: Queensland: Bundaberg 1904 Sandhills (A) Reared (B), 15.XI.1904 (A) Paralectotypes, 2♀. Probable paralectotype: 1♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.	pin	
paradoxus Perkins, <i>Deinodryinus</i>	LECTOTYPE ♀	5784
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 46-47 USA: Arizona: Nogales 26.VIII.1906 A. Koebele On oak (AB) Paralectotypes, 1♀, 1♂.	pin	
paraleptias Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5776
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 18 USA: Arizona: Nogales 31.VIII.1906 A. Koebele On oak (AB) Paralectotype, 1♀.	pin	
parvulus Perkins, <i>Neochelogynus</i>	LECTOTYPE ♀	5762
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 65 AUSTRALIA: Queensland: Cairns 1904 Reared from <i>Euleimonios?</i> adult (C), No. 2289	pin	
perdebilis Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5777
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 27-28 USA: Arizona: Nogales 22.IX.1906 A. Koebele On weeds (AB) Paralectotype, 1♀.	pin	
perpolitus Perkins, <i>Dicondylus</i>	LECTOTYPE ♀	5790
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11: 14-15 INDONESIA: Java: Pekalongan 1907 F. Muir Paralectotypes, 2♀.	pin	

picescens Perkins, <i>Agonatopus</i>	LECTOTYPE ♀	5741
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 30-31	pin	
USA: Arizona: Nogales VIII A. Koebele		
On grass (B)		
plebeius Perkins, <i>Dicondylus</i>	LECTOTYPE ♀	5791
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 15	pin	
INDONESIA: Java: Pekalongan 1907 F. Muir		
Reared from jassid nymph (B)		
Paralectotypes, 2♀. Probable paralectotypes: 6♀ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
pseudochromus Perkins, <i>Chalcogonatopus (Eugonatopus)</i>	LECTOTYPE ♀	5783
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 48	pin	
USA: Ohio: Columbus A. Koebele		
Reared from <i>Phlepsius</i> (C)		
pseudophanes Perkins, <i>Chlorodryinus</i>	HOLOTYPE ♀	5750
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (10): 492-93	pin	
AUSTRALIA: Queensland: Brisbane VI.1904 A. Koebele		
On low bushes (B)		
pulcherrimus Perkins, <i>Aphelopus</i>	HOLOTYPE ♀	5745
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 54	pin	
USA: Arizona: Nogales A. Koebele		
Pupated? 26.VIII.1906 Reared from <i>Typhlocyba (Zygina)</i> (B), 15.IX.1906 (A), No. 2455		
pulcherrimus Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5808
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 44	pin	
AUSTRALIA: Queensland: Bundaberg		
Sandhills Reared from adult of <i>Nephottetix plebeius</i> (C), 25.XI.1904 (A)		
Locality data from original description, locality label missing.		
quercicola Perkins, <i>Deinodryinus</i>	HOLOTYPE ♀	5785
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 47-48	pin	
USA: Arizona: Nogales 14.IX.1906 A. Koebele		
Collected under oak tree (AB)		
rapax Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5778
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 20-21	pin	
USA: Arizona: Nogales A. Koebele		
Pupated 14.IX.1906 Reared from jassid nymph on willow (B), 20.XI.1906 (A), No. 2480		
raptor Perkins, <i>Neodryinus</i>	LECTOTYPE ♀	5823
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 52	pin	
AUSTRALIA: Queensland: Bundaberg 9.XI.1904		
Sandhills Reared (B)		
Paralectotypes, 2♀, 2♂. Probable paralectotypes: 10♀, 3♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		
rufus Fouts, <i>Pseudogonatopus</i>	HOLOTYPE ♀	801
1939 <i>B.P. Bishop Mus. Bull.</i> 142 : 158	pin	
MARQUESAS IS: Nukuhiva I: Teivipakeka 732 m 16.X.1929 E.P. Mumford & A.M. Adamson		
rugosus Fouts, <i>Pseudogonatopus</i>	HOLOTYPE ♀	802
1939 <i>B.P. Bishop Mus. Bull.</i> 142 : 159	pin	
MARQUESAS IS: Nukuhiva I: Ooumu 1097 m 10.XI.1929 E.P. Mumford & A.M. Adamson		
saccharetorum Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5849
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 36-37	pin	
AUSTRALIA: Queensland: Cairns: Mulgrave VIII.1904		
Reared from <i>Perkinsiella saccharica</i> (C), 16.IX.1904 (A)		
Locality published as Hambledon nr Cairns in original description, labeled as Cairns, Mulgrave. Paralectotype, 1♂.		

simulator Perkins, <i>Chalcogonatopus</i>	LECTOTYPE ♀	5779
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 26	pin	
USA: Arizona: Nogales 20.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotype, 1♀.		
solitarius Perkins, <i>Chalcogonatopus</i>	HOLOTYPE ♀	5780
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 22–23	pin	
USA: Arizona: Nogales 26.IX.1906 A. Koebele		
On weeds (AB)		
solitarius Perkins, <i>Epigonatopus</i>	LECTOTYPE ♀	5795
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 45	pin	
AUSTRALIA: Queensland: Bundaberg 22.X.1904		
Dissected 19.II.1905 (A)		
stenocrani Perkins, <i>Pseudogonatopus</i>	LECTOTYPE ♀	5851
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 38–39	pin	
USA: Ohio A. Koebele		
Reared from nymph of <i>Stenocranus dorsalis</i> (C) or collected?		
Paralectotypes, 2♀. Lectotype studied by Freytag (1978).		
synchromus Perkins, <i>Agonatopoides</i>	LECTOTYPE ♀	5735
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 33	pin	
USA: Arizona: Nogales 26.IX.1906 A. Koebele		
On weeds (A), reared No. 2478		
Paralectotypes, 2♀.		
terryi Perkins, <i>Paradryinus</i>	HOLOTYPE ♀	5829
1912 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. III, Bull. 11 : 10–11	pin	
HONG KONG 91 m 28.VII.1908 F.W. Terry		
testaceus Perkins, <i>Eucamptonyx</i>	HOLOTYPE ♀	5796
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 28	pin	
USA: Arizona: Nogales 20.VIII.1906 A. Koebele		
On weeds (AB)		
threnodes Perkins, <i>Paradryinus</i>	LECTOTYPE ♀	5830
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 55	pin	
AUSTRALIA: Queensland: Bundaberg VII.1904		
Reared (AB)		
Paralectotypes, 1♀, 2♂. Probable paralectotype: 1♂ topotype with same collection data as type, but lacking Perkins' handwritten determination label.		
torvus Perkins, <i>Apterodryinus</i>	LECTOTYPE ♀	5748
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 14–15	pin	
USA: Arizona: Nogales 23.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotypes, 2♀. Probable paralectotype: 1♀ topotype with same collection data as type, but lacking Perkins' handwritten determination label.		
typicus Perkins, <i>Neochelogynus</i>	HOLOTYPE ♀	5763
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 61	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
unicus Perkins, <i>Chalcogonatopus</i>	HOLOTYPE ♀	5781
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4 : 25	pin	
USA: Arizona: Nogales 19.IX.1906 A. Koebele		
On weeds (AB)		
varipes Perkins, <i>Paradryinus</i>	LECTOTYPE ♀	5831
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1 (1): 56–57	pin	
AUSTRALIA: Queensland: on the Mulgrave nr Cairns VIII.1904		
Paralectotype, 1♂. Probable paralectotypes: 7♀, 6♂ topotypes with same collection data as type, but lacking Perkins' handwritten determination label.		

venator Perkins, <i>Paradryinus</i>	LECTOTYPE ♀	5832
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 55	pin	
AUSTRALIA: Queensland: Bundaberg 1904		
Sandhills Reared (B), 14.XII.1904 (A)		
Paralectotypes, 3♂.		
viduus Perkins, <i>Aphelopus</i>	LECTOTYPE ♀	5746
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 54	pin	
USA: Arizona: Nogales 21.IX.1906 A. Koebele		
On weeds (AB)		
Paralectotype, 1♂.		
vitiensis Perkins, <i>Haplogonatopus</i>	HOLOTYPE ♀	5814
1906 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(10): 488-89	pin	
FIJI IS: Viti Levu I: Suva 16.III.1905 A. Koebele		
Reared from delphacid (nr <i>Stenocranus</i>) on <i>Zoysia pungens</i> (BC), No. 2377 Labeled "fulgorid on <i>Zoysia pungens</i> " (A).		
vitiensis Perkins, <i>Neogonatopus</i>	LECTOTYPE ♀	5809
1906 <i>Hawaii. Sugar Plant Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(10): 490	pin	
FIJI IS: Viti Levu I: Suva A. Koebele		
Reared from small jassid on grass (B), No. 2378		
Locality labels missing. Locality data from original description.		
xestocephalus Perkins, <i>Chalcogonatopus</i>	HOLOTYPE ♀	5782
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 24-25	pin	
USA: Arizona: Nogales 10.IX.1906 A. Koebele		
On weeds (AB)		

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dubiosus Perkins, <i>Agonatopus pallidicornis</i>	5740
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 30	
USA: Arizona: Nogales IX	
On weeds	
mexicanus Perkins, <i>Paradryinus</i>	
1907 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. II, Bull. 4: 39-40	
MEXICO: Pazcuaro?	
HOLOTYPE ♀ No. 61264 in U.S. National Museum (Washington, D.C.).	
umbratus Perkins, <i>Neodryinus raptor</i>	
1905 <i>Hawaii. Sugar Plant. Assoc. Exp. Stn., Entomol.</i> Vol. I, Bull. 1(1): 52-53	
AUSTRALIA: Queensland: Bundaberg and Brisbane	
Reared	

GENUS-GROUP INVENTORY

Agonatopoides: synchromus
 Agonatopus: ferrugineus, heterothorax, innitidus, pallidicornis, pallidicornis dubiosus, picescens
 Anteon: arizonensis, dubius
 Aphelopus: arizonicus, microleucus, pulcherrimus, viduus
 Apterodryinus: torvus
 Chalcogonatopus: argyrias, decoratus, echo, euprepes, euprepoides, frequens, gigas, herbarum, koebelei, leptias, optabilis, paraleptias, perdebilis, rapax, simulator, solitarius, unicus, xestocephalus
 Chalcogonatopus (Eugonatopus): pseudochromus
 Chelogynus: funestus, lusus, melanacrias
 Chlorodryinus: pallidus, pseudophanes
 Deinodryinus: paradoxus, quercicola

- Dicondylus: javanus, perpolitus, plebeius
 Echthrodelphax: bifasciatus, fairchildii, nigricollis
 Epigonatopus: fallax, solitarius
 Eucamptonyx: testaceus
 Eugonatopus: subg., see Chalcogonatopus (Eugonatopus)
 Eukoebeleia: arizonica, mirabilis
 Gonatopus: anomala, australiae, haplothorax, koebelei
 Haplogonatopus: americanus, apicalis, brevicornis, moestus, vitiensis
 Hesperodryinus: amphiscepae, arizonicus, audax
 Neochelognynus: cognatus, coriaceus, destructor, dimidiatus, ignotus, leiosomus, nigricornis, nitidus, pallidicornis, parvulus, typicus
 Neodryinus: arizonicus, dubiosus, koebelei, nelsoni, raptor, raptor umbratus
 Neogonatopus: brunnescens, dubiosus, erythrodes, mimooides, mimus, obscurissimus, ombrodes, pallidiceps, pulcherimus, vitiensis
 Pachygonatopus: melanias
 Paradryinus: gigas, javanus, koebelei, leptias, mexicanus, terryi, threnodes, varipes, venator
 Paragonatopus: nigricans
 Paranteon: myrmecophilus
 Perodryinus: amoenus
 Prosanteon: chelognoides, melanostigmus
 Pseudogonatopus: americanus, arizonicus, autoxenobius, dichromus, hospes, juncetorum, kiefferi, kurandae, melanacrias, nudus, opacus, palustris, rufus, rugosus, saccharorum, stenocrani, stenocrani dubiosus
 Thaumatodryinus: koebelei

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CATALOG OF ENTOMOLOGICAL TYPES IN THE BISHOP MUSEUM

Diptera: Drosophilidae

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Abstract. Primary types of 547 taxa of Drosophilidae deposited in the Bishop Museum Entomological Type Collection are listed. An account of the holdings of Drosophilidae in the general collection of the Bishop Museum is also presented.

This catalog records the primary types of 547 taxa of Drosophilidae in 42 genera and subgenera deposited in the Bishop Museum Entomological Type Collection (BPBM). Of these, 536 are holotypes, 1 is a lectotype, 3 are represented by syntype series and 7 are represented by allotypes only. Type depositories for certain primary types associated with BPBM type material include the British Museum (Natural History), London (BMNH) and the United States National Museum of Natural History, Washington, D.C. (USNM). This information is included in the remarks section under each taxon concerned. All but 109 of the types listed here are from the Hawaiian Islands, mostly described by Hardy (1965, 1966, 1969, 1977, 1978) or Hardy & Kaneshiro (1968, 1969, 1971, 1972, 1975, 1979). The remainder of the type material derives from Papua New Guinea (48), Samoa (18), Philippines (13), Marquesas (10), Irian Jaya (9), Malaysia (6), Thailand (3), Micronesia (2), Solomon Is (2), Tahiti (1), and Christmas I (Indian Ocean) (1). Specific epithets in *Drosophila* species listed herein were checked with lists in Wheeler (1959) and Wheeler & Hamilton (1972) for possible homonymies. Previously published new names for junior homonyms are recorded in the remarks section in the Species-Group Entries under each junior homonym involved, but are not recorded in the Genus-Group Inventory. The format used in this catalog is explained in Radovsky et al. (1976).

The Drosophilidae in the general collection of the Bishop Museum number approximately 70,000 specimens consisting mainly of pinned adults deriving from the following localities: Australia (500), Borneo (5500), China (1200), Cook Is (75), Fiji (2500), Hawaiian Is (8000), Hong Kong (750), India (20), Japan (13), Java (700), Laos (85), Malaya (1500), Micronesia (4500), Nepal (76), New Caledonia (3000), New Guinea (14,000), Philippines (10,300), Ryukyus (750), Samoa (4250), Society Is (2000), Solomon Is (5500), Taiwan (930), Thailand (585), Tokelaus (700), Vanuatu (4300), Vietnam (1630), North and South America (233), and miscellaneous localities (17). Most of the material identified is from the Hawaiian Is (5000), Micronesia (3000), and New Guinea (550). Other localities with specimens identified to species level include Fiji

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