

## CATALOG OF ENTOMOLOGICAL TYPES IN THE BISHOP MUSEUM.

### Hymenoptera: Cynipoidea<sup>1</sup>

By **Grace Nakahashi and Gordon M. Nishida**<sup>2</sup>

*Abstract.* The 63 holotypes and 20 allotypes of Cynipoidea (Cynipidae and Liopteridae) in the Bishop Museum collection are listed alphabetically, with added information as to their condition.

The 63 holotypes and 20 allotypes of Cynipoidea in the Bishop Museum collection represent 65 species: 64 cynipids and 1 liopterid. Carl M. Yoshimoto (1962a, 1962b, 1963a, 1963b) described 38 of the 64 cynipid species. Yoshimoto & K. Yasumatsu (1965) described 9, and R.C.L. Perkins (1910) described 18 cynipid species. T.C. Maa (1962) described the single liopterid species.

Of the 65 species, 42 were described from the Hawaiian Is. This collection takes on a measure of historical importance in the light of Hawaiian entomology, as 18 of the 42 species described from the Hawaiian Is were collected and described by R.C.L. Perkins in *Fauna Hawaiiensis* (1910). Also, another 18 of the 42 Hawaiian species were collected by entomologists of the Hawaiian Sugar Planters' Association, with O.H. Swezey collecting 15 of the 18.

Some of the species were collected as part of international, inter-institutional expeditions. For example, the 9 type-species from the Ryukyu Is were collected under the auspices of the U.S.-Japan Cooperative Science Program in 1963.

Other than the Hawaiian Is and Ryukyu Is, species were described from the following areas: Society Is (1), Fiji (4), Samoa (1), Micronesia (3), New Guinea (3), Bismarck Archipelago (1), and Thailand (1).

The format used in this catalog follows Radovsky et al. (1976).

#### SPECIES-GROUP ENTRIES

Order HYMENOPTERA

Superfamily CYNIPOIDEA

Family CYNIPIDAE

<b>abnormis</b> Perkins, <i>Cothonaspis</i> ( <i>Hypodiranchis</i> )	HOLOTYPE ♀	2584
1910 <i>Fauna Hawaiiensis</i> 2(6): 673		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus 457-610 m IX.1906 R.C.L. Perkins		
Mounted on card.		

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2. Bishop Museum, Department of Entomology, P.O. Box 19000-A, Honolulu, Hawaii 96819, USA.

<b>agromyzae</b> Yoshimoto, <b>Weldia</b>	HOLOTYPE ♀	3179
1962 <i>Pac. Insects</i> 4(4): 809 Fig. 5B, 5F, 5G		pin
HAWAIIAN IS: Oahu I: Mt Kaala 4.VII.1916 O.H. Swezey		
Ex <i>Agromyza</i> in <i>Cocculus</i>		
ALLOTYPE ♂, 3179a, pin, same data as holotype.		
<b>amamiensis</b> Yoshimoto & Yasumatsu, <b>Odonteucoila</b>	HOLOTYPE ♀	6125
1965 <i>Pac. Insects</i> 7(4): 646 Fig. 1		pin
RYUKYU IS: Amami Group: Tokuno I: Mikyo 130 m 24.VII.1963 C.M. Yoshimoto		
Malaise trap		
U.S.-Japan Cooperative Science Program.		
<b>angusta</b> Yoshimoto, <b>Pseudeucoila (Pseudeucoila)</b>	HOLOTYPE ♀	3193
1962 <i>Pac. Insects</i> 4(4): 836 Fig. 10C, 10L		pin
HAWAIIAN IS: Oahu I: Palolo 3.I.1915 O.H. Swezey		
Right hindleg missing distad of femur, left mid- and hindlegs missing distad of trochanter.		
ALLOTYPE ♂, 3193a, pin, HAWAIIAN IS: Oahu I: Mt Kaala, 14.VIII.1927, O.H. Swezey; left antenna missing 12 segments.		
<b>ashmeadi</b> Perkins, <b>Cothonaspis (Nesodiranchis)</b>	HOLOTYPE ♀	2575
1910 <i>Fauna Hawaiensis</i> 2(6): 668 Fig.		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus 457-610 m R.C.L. Perkins		
Mounted on card.		
<b>aurantiaca</b> Yoshimoto, <b>Nesodiranchis</b>	HOLOTYPE ♂	3176
1962 <i>Pac. Insects</i> 4(4): 805 Fig. 3B, 3F, 4D		pin
HAWAIIAN IS: Kauai I: Kokee 11.VI.1919 H.T. Osborn		
Right antenna missing distad of scape, right foretarsus missing, left mid- and hindtarsi missing.		
<b>bryani</b> Yoshimoto, <b>Kleidotoma (Kleidotoma)</b>	HOLOTYPE ♀	3174
1962 <i>Pac. Insects</i> 4(4): 803 Fig. 2A, 2C, 2F		pin
HAWAIIAN IS: Oahu I: Maunaloa 19.IV.1937 E.H. Bryan, Jr.		
<b>cognata</b> Yoshimoto & Yasumatsu, <b>Hexacola</b>	HOLOTYPE ♀	6129
1965 <i>Pac. Insects</i> 7(4):650 Fig. 4		pin
RYUKYU IS: Iriomote I: Ushiku-mori 350 m 7.XI.1963 G.A. Samuelson		
Malaise trap		
U.S.-Japan Cooperative Science Program. Left midleg missing distad of coxa, right midleg missing 3 tarsomeres. ALLOTYPE ♂, 6129a, pin, same data as holotype; right antenna missing 2 segments.		
<b>debilis</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2581
1910 <i>Fauna Hawaiensis</i> 2(6): 672		pin
HAWAIIAN IS: Hawaii I 1908(?) R.C.L. Perkins		
Mounted on card.		
<b>declivis</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2580
1910 <i>Fauna Hawaiensis</i> 2(6): 671		pin
HAWAIIAN IS: Oahu: [Mt] Tantalus 1905 R.C.L. Perkins		
Mounted on card.		
<b>depressa</b> Yoshimoto, <b>Pseudeucoila (Pseudeucoila)</b>	HOLOTYPE ♀	3192
1962 <i>Pac. Insects</i> 4(4): 835 Fig. 10D		pin
HAWAIIAN IS: Hawaii I: Kilauea 28.VI.1934 O.H. Swezey		
Ex <i>Railliardia</i>		
ALLOTYPE missing.		
<b>dichroma</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2586
1910 <i>Fauna Hawaiensis</i> 2(6): 674		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus 457 m X.1906 R.C.L. Perkins		
Mounted on card.		
<b>distincta</b> Yoshimoto, <b>Maacynips</b>	HOLOTYPE ♀	3064
1963 <i>Pac. Insects</i> 5(3): 516 Fig. 3b		pin

- PNG: BISMARCK ARCH: New Britain I: Vudal Riv: SW of Keravat 13.XII.1959 T.C. Maa  
 Left foretibia and tarsus missing. ALLOTYPE ♂, 3064a, pin, same data as holotype; left midtarsus missing.
- dubiosa** Perkins, *Cothonaspis* (*Hypodiranchis*) HOLOTYPE ♀ 2585  
 1910 *Fauna Hawaiensis* 2(6): 673 pin  
 HAWAIIAN IS: Oahu I: [Mt] Tantalus 457 m IV.1907 R.C.L. Perkins  
 Mounted on card. Abdomen partly crushed as in original description.
- elevata** Yoshimoto, *Pseudeucoila* (*Pseudeucoila*) HOLOTYPE ♀ 3191  
 1962 *Pac. Insects* 4(4): 833 Fig. 10F, 10M pin  
 HAWAIIAN IS: Maui I: Waikamoi [Stream] 1372 m 19.I.1926 O.H. Swezey  
 Abdomen missing.
- elliptica** Yoshimoto, *Pseudeucoila* (*Pseudeucoila*) HOLOTYPE ♀ 3203  
 1963 *Pac. Insects* 5(2): 441 Fig. 7 pin  
 FIJI: Viti Levu I: Nandarivatu 1128 m 10.IX.1938 E.C. Zimmerman  
 Beating shrubbery  
 Elevation originally published as 900 m.
- flavida** Yoshimoto, *Weldia* HOLOTYPE ♀ 3180  
 1962 *Pac. Insects* 4(4): 810 Fig. 5A, 5E pin  
 HAWAIIAN IS: Oahu I: Mt Kaala 18.V.1920 O.H. Swezey  
 Right hindleg missing, left midtarsus missing. ALLOTYPE ♂, 3180a, pin, HAWAIIAN IS:  
 Oahu I: Kaala Mts, 4.VII.1916, O.H. Swezey.
- fuscrobura** Yoshimoto, *Nesodiranchis* HOLOTYPE ♀ 3177  
 1962 *Pac. Insects* 4(4): 807 Fig. 3D, 3H, 4C pin  
 HAWAIIAN IS: Hawaii I: Kilauea 27.VI.1917 O.H. Swezey  
 Ex *Straussia*
- glocicornis** Yoshimoto, *Hypodiranchis* HOLOTYPE ♀ 3187  
 1962 *Pac. Insects* 4(4): 812 Fig. 6E, 6G, 7F pin  
 HAWAIIAN IS: Hawaii I: Upper Hamakua Ditch Trail 2.X.1929 O.H. Swezey  
 Ex *Delissea*  
 Right antenna missing 7 segments.
- grandis** Yoshimoto, *Pseudodiranchis* HOLOTYPE ♀ 3182  
 1962 *Pac. Insects* 4(4): 823 Fig. 9A pin  
 HAWAIIAN IS: Oahu I: Mt Tantalus 11.VI.1957 J.W. Beardsley  
 ALLOTYPE ♂, 3182a, pin, same data as holotype.
- grandissima** Yoshimoto, *Pseudeucoila* (*Pseudeucoila*) HOLOTYPE ♀ 3194  
 1962 *Pac. Insects* 4(4): 837 Fig. 7L, 10A, 10K pin  
 HAWAIIAN IS: Hawaii I: Kilauea 1220 m 20.VII.1920 W.M. Giffard  
 Iliahi (*Santalum* sp.) and Naio (*Myoporum sandwicense*)  
 ALLOTYPE ♂, 3194a, pin, HAWAIIAN IS: Hawaii I: Upper Waiakea Forest Res.,  
 XII.1950, N.L.H. Krauss.
- gressitti** Yoshimoto & Yasumatsu, *Leptolamina* ALLOTYPE ♂ 6124a  
 1965 *Pac. Insects* 7(4): 647  
 RYUKYU IS: Iriomote I: Ushiku-mori 350 m 7.XI.1963 G.A. Samuelson  
 Malaise trap  
 U.S.-Japan Cooperative Program. Missing from collection. Holotype ♀ deposited at Kyushu  
 University, Japan.
- gressitti** Yoshimoto, *Pseudeucoila* (*Pseudeucoila*) HOLOTYPE ♀ 3336  
 1962 *Insects Micronesia* 19(3): 99 Fig. 6 pin  
 MICRONESIA: Marshall Is: Jaluit Atoll: Jaluit I: Jabor 1.V.1958 J.L. Gressitt
- guamensis** Yoshimoto, *Eucoilidea* HOLOTYPE ♀ 3338  
 1962 *Insects Micronesia* 19(3): 107 Fig. 12 pin  
 MICRONESIA: Mariana Is: Guam I: Umatac X.1957 N.L.H. Krauss  
 Left antenna missing 3 segments.

<b>hygrophila</b> Perkins, <b>Eucoila (Psichacra)</b>	HOLOTYPE ♀	2588
1910 <i>Fauna Hawaiiensis</i> 2(6): 675		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus IV.1907 R.C.L. Perkins		
Mounted on card.		
<b>intermedia</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2577
1910 <i>Fauna Hawaiiensis</i> 2(6): 670		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus IX.1906 R.C.L. Perkins		
Mounted on card.		
<b>kraussi</b> Yoshimoto, <b>Kleidotoma (Kleidotoma)</b>	HOLOTYPE ♀	3198
1963 <i>Pac. Insects</i> 5(2): 434 Fig. 1		pin
FIJI: Viti Levu I: Nandi XI.1957 N.L.H. Krauss		
<b>lateralis</b> Yoshimoto, <b>Pseudeucoila (Heptamerocera)</b>	HOLOTYPE ♀	3202
1963 <i>Pac. Insects</i> 5(2): 439 Fig. 6		pin
AMERICAN SAMOA: Tutuila I 305 m 13.X.1918 H.C. Kellers		
Year of collection incorrectly published as 1915. Right antenna missing 9 segments, all wings missing.		
<b>longicornis</b> Yoshimoto, <b>Pseudodiranchis</b>	HOLOTYPE ♀	3183
1962 <i>Pac. Insects</i> 4(4): 823 Fig. 8D, 9C, 9M		pin
HAWAIIAN IS: Maui I: Ridge above Halelaau 21.XII.1928 O.H. Swezey		
Right foreleg missing, left fore- and both midlegs missing distad of coxa.		
<b>magnificus</b> Yoshimoto, <b>Pseudeucoila (Hexamerocera)</b>	HOLOTYPE ♀	3189
1962 <i>Pac. Insects</i> 4(4): 827 Fig. 11C, 11E		pin
HAWAIIAN IS: Oahu I: Mt Tantalus 14.I.1956 J.W. Beardsley		
<b>micromorpha</b> Perkins, <b>Eucoilidea</b>	HOLOTYPE ♀	2592
1910 <i>Fauna Hawaiiensis</i> 2(6): 676		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus IV.1907 R.C.L. Perkins		
Mounted on card.		
<b>monilis</b> Yoshimoto, <b>Pseudodiranchis</b>	HOLOTYPE ♀	3186
1962 <i>Pac. Insects</i> 4(4): 826 Fig. 8F, 9F, 9L		pin
HAWAIIAN IS: Maui I: Puukukui 20.XII.1928 O.H. Swezey		
Ex <i>Lobelia gloriamontis</i>		
ALLOTYPE ♂, 3186a, pin, same data as holotype; right antenna missing.		
<b>naias</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2582
1910 <i>Fauna Hawaiiensis</i> 2(6): 672		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus 457 m IV.1907 R.C.L. Perkins		
Mounted on card.		
<b>nigra</b> Yoshimoto, <b>Nesodiranchis</b>	HOLOTYPE ♀	3178
1962 <i>Pac. Insects</i> 4(4): 808 Fig. 3C, 3E, 4B		pin
HAWAIIAN IS: Maui I: Ridge above Halelaau 915-1006 m 21.XII.1928 E.H. Bryan,		
Jr.		
Ex <i>Sideroxylon</i>		
<b>oblonga</b> Yoshimoto, <b>Hypodiranchis</b>	HOLOTYPE ♀	3188
1962 <i>Pac. Insects</i> 4(4): 817 Fig. 6C, 6K, 6L, 7C		pin
HAWAIIAN IS: Kauai I: Alakai Swamp 9.VIII.1925 O.H. Swezey		
ALLOTYPE ♂, 3188a, pin, same data as holotype.		
<b>obovata</b> Yoshimoto, <b>Pseudodiranchis</b>	HOLOTYPE ♀	3185
1962 <i>Pac. Insects</i> 4(4): 826 Fig. 9D		pin
HAWAIIAN IS: Oahu I: Mt Kaala 18.V.1920 O.H. Swezey		
<b>octosegmenta</b> Yoshimoto & Yasumatsu, <b>Hexacola</b>	HOLOTYPE ♀	6131
1965 <i>Pac. Insects</i> 7(4): 652		pin
RYUKYU IS: Amami Group: Tokuno I: Mikyo 130 m 24.VII.1963 C.M. Yoshimoto		
U.S.-Japan Cooperative Science Program. Left midleg missing 3 tarsomeres.		
<b>okinawaensis</b> Yoshimoto & Yasumatsu, <b>Pseudeucoila (Pseudeucoila)</b>	HOLOTYPE ♂	6133
1965 <i>Pac. Insects</i> 7(4): 657		pin

- RYUKYU IS: Iriomote I: Ushiku-mori 350 m 7-10.XI.1963 G.A. Samuelson  
Malaise trap  
U.S.-Japan Cooperative Science Program. Right antenna missing distad of 5th segment.  
Holotype published as ♀; however, specimen is actually ♂.
- oreias** Perkins, **Eucoila (Psichacra)** HOLOTYPE ♀ 2590  
1910 *Fauna Hawaiensis* 2(6): 674 pin  
HAWAIIAN IS: Hawaii I: Kilauea R.C.L. Perkins  
Mounted on card.
- orobates** Perkins, **Eucoila (Psichacra)** HOLOTYPE ♀ 2591  
1910 *Fauna Hawaiensis* 2(6): 675 pin  
HAWAIIAN IS: Hawaii I: Kilauea R.C.L. Perkins  
Mounted on card.
- ovata** Yoshimoto, **Pseudeucoila (Pseudeucoila)** HOLOTYPE ♀ 3190  
1962 *Pac. Insects* 4(4): 831 Fig. 7I, 10P, 10O pin  
HAWAIIAN IS: Hawaii I: nr Humuula 3.VIII.1946 E.C. Zimmerman  
Sweeping 3190  
ALLOTYPE ♂, 3190a, pin, HAWAIIAN IS: Kauai I: Kokee, 1037-1220 m, 4-6.VIII.1961,  
Maa, Miyatake & Yoshimoto; left antenna missing 3 segments.
- pacifica** Yoshimoto, **Cothonaspis (Cothonaspis)** HOLOTYPE ♀ 3337  
1962 *Insects Micronesia* 19(3): 105 Fig. 11 pin  
MICRONESIA: Wake Atoll: Peale I 1.VIII.1940 T. Lyons  
On radish leaf  
Right antenna missing distad of pedicel, left antenna missing distad of 5th segment.
- papuana** Yoshimoto, **Maacynips** HOLOTYPE ♀ 3063  
1963 *Pac. Insects* 5(3): 515 Fig. 2a, 2b, 2c, 2d pin  
IRIAN: NEW GUINEA (NW): Waris: S of Hollandia 450-500 m 1-17.VIII.1959 T.C.  
Maa  
Sweeping 3063  
ALLOTYPE ♂, 3063a, pin, IRIAN: NEW GUINEA (NW): Bodem: 11 km SE of Oerber-  
faren, 7-17.VII.1959, T.C. Maa; right antenna missing 3 segments.
- papuensis** Yoshimoto, **Leptolamina** HOLOTYPE ♀ 3205  
1963 *Pac. Insects* 5(3): 513 Fig. 1 pin  
PNG: NEW GUINEA (SE): Daradae Plantation: 8 km N of Port Moresby 500 m T.C.  
Maa  
Sweeping
- parallela** Yoshimoto & Yasumatsu, **Pseudeucoila (Hexamerocera)** ALLOTYPE ♂ 6126a  
1965 *Pac. Insects* 7(4): 653 Fig. 5  
RYUKYU IS: Amami Group: Tokuno I: Mikyo 130 m 24.VII.1963 C.M. Yoshimoto  
Malaise trap  
U.S.-Japan Cooperative Science Program. Both forelegs, both midlegs and right hindlegs  
missing distad of coxa. Holotype ♀ deposited at Kyushu University, Japan.
- parva** Yoshimoto, **Maacynips** HOLOTYPE ♂ 3065  
1963 *Pac. Insects* 5(3): 517 Fig. 3a, 3c pin  
IRIAN: NEW GUINEA (SW): Vogelkop: Bomberi 700-900 m 6.VI.1959 T.C. Maa
- pele** Perkins, **Cothonaspis (Hypodiranchis)** HOLOTYPE ♀ 2576  
1910 *Fauna Hawaiensis* 2(6): 669 pin  
HAWAIIAN IS: Hawaii I: Kilauea R.C.L. Perkins  
Ovipositing in dipterous larvae belonging to genus *Drosophila*  
Mounted on card.
- perkinsi** Yoshimoto, **Pseudeucoila (Pseudeucoila)** HOLOTYPE ♀ 3195  
1962 *Pac. Insects* 4(4): 838 pin  
HAWAIIAN IS: Hawaii I: Kilauea: Kilauea Iki Trail 8.VII.1934 O.H. Swezey  
Ex *Vaccinium*  
Two specimens on point, 1 evidently a ♂.

<b>philygra</b> Perkins, <b>Eucoila (Psichacra) hygrophila</b>	HOLOTYPE ♀	2589
1910 <i>Fauna Hawaiiensis</i> 2(6): 675		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus 457-610 m R.C.L. Perkins		
Mounted on card.		
<b>quinaria</b> Yoshimoto & Yasumatsu, <b>Hexacola</b>	HOLOTYPE ♀	6128
1965 <i>Pac. Insects</i> 7(4): 649 Fig. 3		pin
RYUKYU IS: Amami Group: Tokuno I: Mikyo 130 m 24.VII.1963 C.M. Yoshimoto		
Malaise trap		
U.S.-Japan Cooperative Science Program. ALLOTYPED ♂, 6128a, pin, RYUKYU IS: Iriomote I: Ushiku-mori, 350 m, 7.XI.1963, G.A. Samuelson		
<b>rufula</b> Yoshimoto, <b>Eucoilidea</b>	HOLOTYPE ♀	3179
1962 <i>Pac. Insects</i> 4(4): 845 Fig. 13A, 13B, 13F		pin
HAWAIIAN IS: Oahu I: Quarantine I 15.III.1920 O.H. Swezey		
Ex <i>Agromyza</i> in radish		
<b>ryukyuenis</b> Yoshimoto & Yasumatsu, <b>Rhoptromeris</b>	HOLOTYPE ♀	6132
1965 <i>Pac. Insects</i> 7(4): 653		pin
RYUKYU IS: Iriomote I: Ushiku-mori 350 m 7.XI.1963 G.A. Samuelson		
Malaise trap		
U.S.-Japan Cooperative Science Program. ALLOTYPED ♂, 6132a, pin, same data as holotype; left antenna missing 2 segments.		
<b>samuelsoni</b> Yoshimoto & Yasumatsu, <b>Hexacola</b>	HOLOTYPE ♀	6127
1965 <i>Pac. Insects</i> 7(4): 648 Fig. 2		pin
RYUKYU IS: Iriomote I: Ushiku-mori 350 m 7.XI.1963 G.A. Samuelson		
Malaise trap		
U.S.-Japan Cooperative Science Program. Right antenna missing distad of pedicel.		
<b>similis</b> Perkins, <b>Cothonaspis (Hypodiranchis) debilis</b>	HOLOTYPE ♀	2583
1910 <i>Fauna Hawaiiensis</i> 2(6): 672		pin
HAWAIIAN IS: Hawaii I: Kilauea R.C.L. Perkins		
Specimens missing from the mount.		
<b>spatulata</b> Yoshimoto, <b>Weldia</b>	HOLOTYPE ♀	3181
1962 <i>Pac. Insects</i> 4(4): 311 Fig. 5C, 5D, 5H		pin
HAWAIIAN IS: Oahu: Waiahole VIII.1916 O.H. Swezey		
ALLOTYPED ♂, 3181a, pin, same data as holotype; right hindleg missing distad of trochanter, right antenna missing 4 segments.		
<b>striatus</b> Yoshimoto, <b>Endecameris</b>	HOLOTYPE ♀	3201
1963 <i>Pac. Insects</i> 5(2): 437 Fig. 4		pin
FIJI: Viti Levu I: Suva IV.1951 N.L.H. Krauss		
Left antenna missing 5 segments.		
<b>strigosa</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2579
1910 <i>Fauna Hawaiiensis</i> 2(6): 671		pin
HAWAIIAN IS: Oahu I: [Mt] Tantalus IV.1907 R.C.L. Perkins		
Mounted on card.		
<b>strigosus</b> Yoshimoto, <b>Aspidogyrus</b>	HOLOTYPE ♀	3196
1962 <i>Pac. Insects</i> 4(4): 840 Fig. 12A, 12D, 12H		pin
HAWAIIAN IS: Maui I: Nahiku 3.VIII.1952 N.L.H. Krauss		
ALLOTYPED ♂, 3196a, pin, same data as holotype; right antenna missing 3 segments, segments distad of 5th misshaped.		
<b>subdebilis</b> Perkins, <b>Cothonaspis (Hypodiranchis) debilis</b>	HOLOTYPE ♀	2587
1910 <i>Fauna Hawaiiensis</i> 2(6): 673		pin
HAWAIIAN IS: Hawaii I: Kilauea 1906 R.C.L. Perkins		
Mounted on card.		
<b>swezeyi</b> Yoshimoto, <b>Kleidotoma (Pentakleidota)</b>	HOLOTYPE ♀	3175
1962 <i>Pac. Insects</i> 4(4): 804 Fig. 2B, 2D, 2E, 2G		pin
HAWAIIAN IS: Oahu I: Koko Head 22.II.1927 O.H. Swezey		

<b>tahitiensis</b> Yoshimoto, <b>Hexacola</b>	HOLOTYPE ♀	3200
1963 <i>Pac. Insects</i> 5(2): 436 Fig. 3		pin
SOCIETY IS: Tahiti I: Fautaua: nr Papeete 25 m 5-11.VII.1961 J.L. Gressitt		
Malaise trap		
<b>tantali</b> Perkins, <b>Cothonaspis (Hypodiranchis)</b>	HOLOTYPE ♀	2578
1910 <i>Fauna Hawaiiensis</i> 2(6): 670		pin
[HAWAIIAN IS: Oahu I: nr Honolulu 457 m] R.C.L. Perkins		
Mounted on card. Locality label missing, data from publication.		
<b>tereticornis</b> Yoshimoto, <b>Pseudodiranchis</b>	HOLOTYPE ♀	3184
1962 <i>Pac. Insects</i> 4(4): 825 Fig. 7B, 8H, 9N		pin
HAWAIIAN IS: Oahu I: Wailupe 23.I.1915		
ALLOTYPE ♂, 3184a, pin, same data as holotype.		
<b>zimmermani</b> Yoshimoto, <b>Episoda</b>	HOLOTYPE ♀	3199
1963 <i>Pac. Insects</i> 5(2): 435 Fig. 2		pin
FIJI: Viti Levu I: Tholo North: Mt Victoria (=Tomanivi): W slopes 915-1220 m 13.IX.1938 E.C. Zimmerman		
Beating		3199
ALLOTYPE ♂, 3199a, pin, FIJI: Ovalau I: Andubangda, 274-457 m, 18.VII.1938, E.C. Zimmerman; right antenna missing 2 segments.		

#### Family LIOPTERIDAE

<b>trisectus</b> Maa, <b>Paramblynotus</b>	HOLOTYPE ♀	3206
1962 <i>Q. J. Taiwan Mus. (Taipei)</i> 15(3&4): 123 Fig. 1, 2		pin
THAILAND (NW): Chiang Mai: Doi Suthep 1278 m 29.III-4.V.1958 T.C. Maa		
Type number published incorrectly as 3132.		

### GENUS-GROUP INVENTORY

#### FAMILY CYNIPIDAE

Aspidogyrus: strigosus  
 Cothonaspis (Cothonaspis): pacifica  
 Cothonaspis (Hypodiranchis): abnormis, debilis, debilis similis, debilis subdebilis, declivis, dichroma, dubiosa, intermedia, naias, pele, strigosa, tantali  
 Cothonaspis (Nesodiranchis): ashmeadi  
 Endecameris: striatus  
 Episoda: zimmermani  
 Eucoila (Psichacra): hygrophila, hygrophila philygra, oreias, orobates  
 Eucoilidea: guamensis, micromorpha, rufula  
 Hexacola: cognata, octosegmenta, quinaria, samuelsoni, tahitiensis  
 Hypodiranchis: globicornis, oblonga  
 Kleidotoma (Kleidotoma): bryani, kraussi  
 Kleidotoma (Pentakleidotoma): swezeyi  
 Leptolamina: gressitti, papuensis  
 Maacynips: distincta, papuana, parva  
 Nesodiranchis: aurantiaca, fusciorubra, nigra  
 Odonteucoila: amamiensis  
 Pseudeucoila (Pseudeucoila): angusta, depressa, elevata, elliptica, grandissima, gressitti, okinawaensis, ovata, perkinsi  
 Pseudeucoila (Heptamerocera): lateralis  
 Pseudeucoila (Hexamerocera): magnificus, parallela  
 Pseudodiranchis: grandis, longicornis, monilis, obovata, tereticornis  
 Rhoptromeris: ryukyuensis  
 Weldia: agromyzae, flavida, spatulata

## FAMILY LIOPTERIDAE

Paramblynotus: trisectus

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**PUBLICATION ANNOUNCEMENT**

WAU ECOLOGY INSTITUTE HANDBOOK NO. 5  
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By **J. L. Gressitt & Nalini Nadkarni**  
 Illustrated by **Margaret Gressitt**

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