

Tribe Promecothecini Chapuis 1875

Promecothecites Chapuis 1875:300. Handlirsch 1925:666 (classification); Gressitt 1950:81 (China species).

Promecothecini Chapuis. Würmli 1975a:45 (genera); Bouchard *et al.* 2011:78, 518 (nomenclature); Liao *et al.* 2015:162 (host plants).

Promecothecini Weise 1911a:78. Weise 1911b:81 (redescription); Zacher 1913:103 (key); Handlirsch 1925:666 (classification); Uhmman 1931i:848 (museum list), 1940g:121 (claws), 1951a:31 (museum list), 1958e:222 (catalog), 1959d:8 (scutellum), 1964a:458 (catalog), 1964(1965):241 (faunal list), 1966d:275 (note); Bryant 1936:256 (faunal list); Liu 1936:249 (China species); Wu 1937:912 (faunal list); Gressitt 1939c:133 (distribution), 1957b:279 (South Pacific species), 1970:71 (Fiji species); Gressitt & Kimoto 1963a:905 (China species); Seenó & Wilcox 1982:164 (catalog); Jolivet 1988b:13 (host plants), 1989b:310 (host plants); Jolivet & Hawkeswood 1995:154 (host plants); Cox 1996a:172 (pupae); Mohamedsaid 2004:169 (Malaysian species); Staines 2004a:317 (host plants); Chaboo 2007:183 (phylogeny).

Type genus: *Promecotheca* Blanchard.

Promecispa Weise 1909

Promecispa Weise 1909:112. Type species: *Promecispa voeltzkowi* Weise 1909 by monotypy. Weise 1910d:442, 501 (faunal list), 1911a:53 (catalog), 1911b:80 (redescription); Uhmman 1931i:848 (museum list), 1958e:223 (catalog); Würmli 1975a:46 (genera); Seenó & Wilcox 1982:164 (catalog).

Promecispa voeltzkowi Weise 1909

Promecispa voeltzkowi Weise 1909:112 (type:Madagascar, Kinkuni, ZMHB). Weise 1910d:442, 501 (faunal list), 1911a:53 (catalog), 1911b:80 (catalog); Uhmman 1931i:848 (type), 1958e:223 (catalog).

Distribution. Madagascar.

Food plant. Unknown.

Promecotheca Blanchard 1853

Promecotheca Dejean 1837:387 Nomen Nudum. Guérin-Méneville 1840b:334 (note).

Promecotheca Blanchard 1853:312. Type species: *Hispa cyanipes* Erichson 1834, designated by Baly 1858. Baly 1858:87 (redescription), 1869b:374 (note); Chenu & Desmarest 1870:341 (noted); Chapuis 1875:300 (redescription), 1876:xxii (faunal list); Gemminger & Harold 1876:3609 (catalog); Chenu 1884:341 (note); Donckier 1899:569 (catalog); Gestro 1901b:436 (note), 1917:406 (faunal list); Weise 1911a:53 (catalog), 1911b:80 (redescription), 1922b:70 (noted); Zacher 1913:103 (key); Schultze 1916:100 (faunal

list); Leefmans 1927b:3 (noted); Aldaba 1930:145 (note); Ferrière 1931:291 (parasite); Speyer 1932:225 (note); Liu 1936:250 (China species); Wu 1937:912 (faunal list); Lever 1939:17 (noted); Clausen 1940:118, 148, 196 (parasites); Esaki 1940:409 (pest status), 1940b:276 (pest status); Lepesme 1947:554 (key, host plants); Gressitt 1950:81 (China species), 1957b:279 (South Pacific species), 1959a:72 (host plants), 1959b:121 (summary), 1960a:73 (New Guinea species), 1961:82 (biogeography), 1963b:6 (zoogeography), 1982:712 (ecology); Risbec 1950a:378 (note); Uhmman 1951a:31 (museum list), 1958e:223 (catalog), 1964a:458 (catalog); Speyer 1954:369 (pest species); Bryant & Gressitt 1957:89 (Fiji species); Gressitt & Kimoto 1963a:905 (China species); Würmli 1975a:47 (genera); Seeno & Wilcox 1982:164 (catalog); Jolivet 1989b:310 (host plants), 1997:82, 97, 142 (note); Cox 1994b:446, 447, 448, 449 (parasites), 1996b:80, 81 (predators); Jolivet & Hawkeswood 1995:154 (host plants); Staines 1997b:418 (Uhmman species list); Staines & Staines 1999:526 (Baly species list); Mohamedsaid 2004:169 (Malaysian species); Peng *et al.* 2004:44 (noted); Santiago-Blay 2004:76 (host plants); Staines 2004a:317 (host plants), 2005:48 (Spaeth species list); Ballentes *et al.* 2006:53 (faunal list); Chaboo 2007:46 (note); Flowers & Chaboo 2009:6 (noted).

Freycinetispa Gressitt 1960a:71. Type species:*Freycinetispa collinsi* Gressitt, by monotypy. Uhmman 1964a:461 (catalog); Santiago-Blay 2004:64 (host plants).

***Promecotheca alpiniae* Maulik 1929b**

Promecotheca alpiniae Maulik 1929b:238 (type:Solomon Islands, Malaita, BMNH). Maulik 1937:149 (host plant); Uhmman 1951a:34 (note), 1958e:223 (catalog), 1964a:458 (catalog); Kalshoven 1957:9 (host plant); Santiago-Blay 2004:75 (host plants); Staines 2004a:317 (host plants); Maddison & Crosby 2009:12 (host plant).

Promecotheca alpiniae alpiniae Maulik. Gressitt 1957b:294 (South Pacific species), 1960a:84 (New Guinea species); Uhmman 1964a:458 (catalog).

Promecotheca alpiniae robusta Gressitt 1957b:294 (type:Guadalcanal, Gold Ridge, CASC). Gressitt 1960a:84 (larva); Uhmman 1964a:458 (catalog); Staines 2004a:317 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Alpinia* sp. (Zingiberaceae) (Maulik 1929b); *Heliconia* sp. (Heliconiaceae) (Gressitt 1957b).

***Promecotheca apicalis* Weise 1911c**

Promecotheca apicalis Weise 1911c:53 (type:Philippines, Ticao, IRRRI?). Weise 1911a:53 (catalog), 1911b:80 (catalog), 1913:237 (faunal list), 1922b:70 (key); Schultze 1916:100 (faunal list); Gestro 1917:406 (faunal list), 1922:101 (faunal list); Uhmman 1958e:223 (catalog), 1964(1965):241 (faunal list).

Distribution. Philippines (Ticao).

Food plant. Unknown.

***Promecotheca bicolor* Maulik 1927**

Promecotheca bicolor Maulik 1927:107 (type:Fiji, Suva, BMNH). Ferrière 1933:99 (parasites); Taylor 1937:13 (note); Lepesme 1947:556 (host plant); Uhmman 1951a:37 (catalog), 1958e:223 (catalog), 1964a:458 (catalog); Thompson 1954:310 (parasites); Bryant & Gressitt 1957:90 (Fiji species); Gressitt 1957b:295 (South Pacific species); Santiago-Blay 2004:75 (host plants); Maddison & Crosby 2009:9 (host plant).

Distribution. Fiji.

Food plant. *Flagellaria* sp. (Flagellariaceae) (Maulik 1927).

***Promecotheca bryanti* Gressitt 1960a**

Promecotheca bryanti Gressitt 1960a:76 (type:New Guinea, Andalimu-Ngarafata, BPBM). Uhmman 1964a:458 (catalog); Maddison 1993:86 (host plant); Santiago-Blay 2004:75 (host plants).

Distribution. Solomon Islands (Malaita).

Food plant. *Pandanus (Bryantia)* sp. (Pandanaeae) (Gressitt 1960a).

***Promecotheca caeruleipennis* Blanchard 1853**

Promecotheca caeruleipennis Blanchard 1853:312 (type:Tonga, NMNH?). Baly 1858:89 (redescription); Weise 1911a:53 (catalog), 1911b:81 (catalog), 1922b:70 (noted); Maulik 1919:11 (India species), 1937:149 (host plants); Corbett 1923:1 (host plant); Bryant & Gressitt 1957:90 (Fiji species); Gressitt 1957a:258 (Samoa species), 1957b:296 (South Pacific species), 1959b:121 (note); Uhmman 1958e:223 (catalog), 1964a:458 (catalog), 1964(1965):255 (faunal list); Kami & Miller 1998:12 (faunal list); Cox 2004:370 (flight); Santiago-Blay 2004:75 (host plants); Rethinam & Shingh 2007:3 (noted).

Promecotheca coeruleipennis Blanchard (sic). Gemminger & Harold 1876:3609 (lapsus calami, catalog); Donckier 1899:569 (catalog); Froggatt 1914a:150 (pest status), 1914b:36 (biology); Gestro 1919:342 (note); Weise 1922b:70 (key); Bryant 1925:591 (faunal list); Speyer 1932:225 (note); Maulik 1937:149 (host plant); Lepesme 1947:557 (host plants); Risbec 1950a:380 (host plants); Speyer 1954:370 (note); Johnston 1965:14 (pest list); Lever 1969:98 (biology); Delucchi 1971:832 (noted); Rao 1971:13 (biology); Balock 1972:29 (note); Wood 1976:336 (biology); Clausen 1978:253 (biological control); Mariau 1988:457 (parasites), 1999:234 (note), 2001:135 (note); Hespenheide 1991:552 (note); Howard & Abad 2001:87 (host plants).

Promecotheca reichei Baly 1869b:364 (type:Tonga, Vavao, BMNH). Gemminger & Harold 1876:3609 (catalog); Donckier 1899:569 (catalog); Weise 1911a:54 (catalog), 1911b:81 (catalog); Zacher 1913:102 (biology); Simmonds 1921:91 (damage), 1921b:41 (noted), 1922a:19, 21 (pest status), 1922b:22 (pest status), 1922c:25 (biology); Waterston 1923:186 (parasite); Corbett 1923:1 (host plant); Bryant 1925:591 (faunal list); Brugiroux 1928:400 (noted); Maulik 1929c:211 (biology); Lever 1931:77 (noted), 1939:19 (parasite), 1942:24 (noted), 1943:92 (noted), 1945:370 (note); Speyer 1932:226 (note); Ferrière 1933:92 (parasites); Taylor 1937:17 (biology); Maulik 1937:150 (host plant); Clausen 1940:135 (parasites), 1958:294 (biological control); Swezey 1941:28 (noted); Esaki 1943:271 (pest status); Lepesme 1947:562 (host plant); O'Connor

1949:50 (biology); Cochic 1950:8 (damage); Risbec 1950a:380 (host plants); Jolivet & Théodoridès 1951:33 (parasites); O'Connor 1953:287 (biological control); Dumberton 1954:18 (host plant); Gressitt 1959b:121 (note); DeBach 1962:72 (biological control); Johnston 1965:14 (pest list); Hinton 1981:677 (egg); Mann & Crowson 1983b:2 (noted), 1985a:79 (male genitalia); Godfray & Hassell 1989:158 (note); Kami & Miller 1998:12 (faunal list); Godfray & Chan 1990:334 (pest status); Jolivet 1997:91, 95 (note); Mariau 1999:234 (note), 2001:135 (note); Staines & Staines 1999:527 (Baly species list); Jolivet & Verma 2002:62 (note); Santiago-Blay 2004:76 (host plants); Chaboo 2007:20 (note).

Promecotheca coeruleipennis reichei Baly (sic). Weise 1922b:70 (lapsus calami, key); Greenwood 1940:215 (host plants); Kalshoven 1957:9 (host plant); Uhmman 1964(1965):255 (faunal list); Santiago-Blay & Fain 1994:408, 409 (mites).

Promecotheca caeruleipennis reichi Baly. Uhmman 1951a:35 (noted), 1958e:224 (catalog), 1964a:458 (catalog).

Promecotheca lindingeri Aulmann 1914:27 (type:Samoa, ZMHB). Zacher 1915:422; Maulik 1929:210 (synonymy); Speyer 1932:225 (note), 1954:371 (note); Lepesme 1947:559 (host plants); Risbec 1950a:380 (host plants); Uhmman 1951a:38 (catalog); Johnston 1965:14 (pest list); Mariau 1999:234 (note), 2001:135 (note); Santiago-Blay 2004:75 (host plants).

Promecotheca reichei Maulik 1929:210 (type:Samoa, BMNH). Speyer 1954:371 (biology); Thompson 1954:296, 310 (parasites); Thompson & Simmonds 1964:35 (predators); Selman 1994:69 (eggs).

Distribution. Fiji, Philippines, Samoa, Solomon Islands, Tonga.

Food plants. *Cocos nucifera* L. (Froggatt 1914a); *Pritchardia pacifica* Seem. et Wendl., *Livistona* sp. (Taylor 1937) (Arecaceae).

***Promecotheca callosa* Baly 1876**

Promecotheca callosa Baly 1876:128 (type:Australia, Port Essington, BMNH). Donckier 1899:569 (catalog); Weise 1911a:53 (catalog), 1911b:80 (catalog), 1913d:442 (faunal list), 1922b:70 (key); Froggatt 1914a:151 (pest status); Mjöberg 1917:18 (note); Gestro 1919:342 (note); Uhmman 1928b:61 (faunal list), 1951a:35 (note), 1958e:224 (catalog), 1964a:458 (catalog); Taylor 1937:13 (note); Lepesme 1947:557 (host plant); Risbec 1950a:380 (host plants); Gressitt 1957b:292 (South Pacific species), 1960a:83 (New Guinea species); Kalshoven 1957:9 (host plant); Mariau 1999:234 (note), 2001:135 (note); Staines & Staines 1999:526 (Baly species list); Howard & Abad 2001:87 (host plants); Hawkeswood 2003:186 (food plants); Santiago-Blay 2004:75 (host plants).

Promecotheca callosa callosa Baly. Gressitt 1963:666 (New Guinea species).

Promecotheca callosa major Gressitt 1963:666 (type:New Guinea, Karimui, BPBM). Maddison 1993:86 (host plant); Staines & Staines 1997:5 (types).

Distribution. Australia (Queensland), New Guinea.

Food plants. Palms (Froggatt 1914a); *Cocos nucifera* L. (Lepesme 1947) (Arecaceae); *Pandanus* sp. (Pandanaeae) (Gressitt 1963).

***Promecotheca collinsi* (Gressitt 1960a)**

Freycinetispa collinsi Gressitt 1960a:71 (type:Solomon Islands, Kolombangara, BPBM).

Uhmann 1964a:461 (catalog); Santiago-Blay 2004:64 (host plants).

Promecotheca collinsi (Gressitt).

Distribution. Solomon Islands (Kolombangara).

Food plant. *Freycinetia* sp. (Pandanaceae) (Gressitt 1960a).

***Promecotheca cumingii* Baly 1858**

Promecotheca cumingii Baly 1858:88 (type:Philippine Islands, BMNH, ISNB). Chapuis 1876: xxii (faunal list); Gestro 1909(1910):147 (faunal list), 1917:406 (faunal list), 1919:344 (note), 1922:101 (faunal list); Weise 1911a:53 (catalog), 1911b:80 (catalog); Jones 1913a:105 (biology), 1913b:127 (biology); Burkhill 1918:3 (predator); Dammerman 1919:87 (host plant); Maulik 1919:17 (India species); Corbett 1923:1 (host plant); Celino 1930:253 (pathogen), 1932:481 (pathogen); Aldaba 1931:51 (biology); Aldaba *et al.* 1931:69 (biology); Vargas 1931:189 (biology); Stevens 1932:80 (damage); Gonzales 1935:365 (biology); Gressitt 1939c:133 (distribution), 1959b:122 (note); Lepesme 1947:559 (host plant); Kalshoven 1951:756 (biology), 1957:9 (host plant), 1981:454 (host plant); Lever 1951:79 (biology); Uhmann 1951a:35 (note), 1958e:224 (catalog), 1964a:458 (catalog), 1964(1965):241 (faunal list); Jolivet & Théodoridès 1953:9 (parasites); Kerrich 1974:635 (parasites); Ming 1975:200 (pest status); Bouček 1976:678 (parasites), 1988:703 (parasites); Würmli 1976e:363 (distribution); Chong *et al.* 1982:40 (biology); Gallego *et al.* 1983:471 (parasites); Gallego 1986:4 (parasites); Gallego & Gallego 1988:39 (pathogen); Mariau 1988:457 (parasites); Booth *et al.* 1990:155 (note); Gallego 1990:24 (control); L. Medvedev 1995:19 (distribution); Cox 1996a:172 (pupa); Staines & Staines 1999:526 (Baly species list); Mohamedsaid 2000a:358 (faunal list), 2004:169 (Malaysian species); Quicke & Polaszek 2000:106 (parasites); Howard & Abad 2001:88 (host plants); Mariau 2001:135 (note); Hosang *et al.* 2004:39 (parasites); Ooi 2004:29 (control); Santiago-Blay 2004:75 (host plants); Rethinam & Shingh 2007:3 (noted); Sivapragasam & Hong 2007:56 (pest status); Ochoa *et al.* 2008:36 (pest status); Basavaraju *et al.* 2010:4 (invasion); Shameem & Prathapan 2013:2 (noted).

Promecotheca cumingi Baly (sic). Gemminger & Harold 1876:3609 (lapsus calami, catalog); Donckier 1899:569 (catalog); Weise 1913:237 (faunal list), 1922b:70 (key); Schultze 1916:100 (faunal list); Merino 1920:118 (noted); Gater 1925:160 (noted); Uhmann 1928b:61 (faunal list), 1930-1932:40 (note), 1933a:67 (faunal list), 1935g:145 (faunal list); Dammerman 1929:91 (biology); Maulik 1929a:83 (comparative note), 1937:149 (host plant); Reyes 1932:419 (pathogen); Speyer 1932:225 (note), 1954:370 (biology); Uichanco 1934:423 (noted); Otanes 1940:388 (noted); Esaki 1943:271 (pest status); Lever 1951:78 (distribution), 1969:105 (biology); Thompson 1954:273, 294 (parasites); Wood 1968:147 (biology); Johnston 1965:14 (pest list); Baltazar 1968:221 (faunal list); Fernando 1972a:116 (biological control), 1972b:152 (biological control); Reddy 1972: 143 (pest status); Ding 1976:200 (biology); Simmonds 1976:327 (parasites); Woodruff 1979:52 (noted); Kanagaratnam & Silva 1987:26 (control); Fong 1990:102 (noted). Dharmadhikari *et al.* 1977:3 (biological control); Mathur *et al.* 1984:91 (biology);

Hespenheide 1991:552 (note); Zaka-Ur-Rab 1991:24 (biology); L. Medvedev 1995:19 (distribution); Mariau 1999:234 (note); Cox 2004:370 (flight); Chaboo 2007:39 (note); Verheye 2010:15 (noted).

Promecotheca comingi Baly (sic). Aldaba 1930:145 (lapsus calami, biology).

Promecotheca trilbyi Thomson 1856:117 (type:China, MNHN?). Baly 1858:89 (note); Gemminger & Harold 1876:3609 (catalog); Donckier 1899:570 (catalog); Weise 1911a:54 (catalog), 1911b:80 (catalog); Liu 1936:252 (China species); Wu 1937:912 (faunal list); Gressitt 1950:82 (China species).

Promecotheca cummingi trilbyi Thomson (sic). Weise 1922b:71 (lapsus calami, key); Gressitt & Kimoto 1963a:905 (China species)

Promecotheca cyanipes trilbyi Thomson. Weise 1922b:71 (key); Uhmman 1958e:226 (catalog); Gressitt & Kimoto 1963a:905 (China species).

Distribution. China, Indonesia (Borneo, Celebes, Java), Malaysia, Philippines (Leyte, Luzon, Mindanao, Palawan, Samar), Singapore, Sri Lanka.

Food plants. *Cocos nucifera* L. (Schultze 1915); *Nipa* sp., *Metroxylon* sp. (Kalshoven 1951); *Caryola* sp. (Lepesme 1947); *Oreodoxa regia* Kth. (Zaka-Ur-Rab 1991) (Arecaceae).

***Promecotheca cyanipes* (Erichson 1834)**

Hispa cyanipes Erichson 1834:270 (type:Philippines, ZMHB?).

Promecotheca cyanipes (Erichson). Baly 1858:87 (transfer); Chapuis 1876:xxiii (faunal list); Gemminger & Harold 1876:3609 (catalog); Donckier 1899:569 (catalog); Gestro 1901b:436 (note), 1917:407 (faunal list), 1922:101 (faunal list); Weise 1911a:53 (catalog), 1911b:80 (catalog), 1922b:71 (key); Schultze 1916:100 (faunal list); Uhmman 1930-1932:38 (redescription), 1931f:225 (museum list), 1933a:67 (faunal list), 1951a:35 (note), 1958e:225 (catalog), 1964(1965):241 (faunal list); Kalshoven 1957:10 (host plant); Hua 2002:294 (faunal list); Santiago-Blay 2004:75 (host plants).

Hispa (Strophosoma) flava Desmarest 1841:322 (type:Philippines, Manila, MNHN?). Gestro 1900:436 (synonymy?), 1917:407 (synonymy).

Promecotheca scorpio Thomson 1856:117 (type:Philippines, depository unknown). Baly 1858:89 (note); Chapuis 1876:xxiii (faunal list); Gemminger & Harold 1876:3609 (catalog); Donckier 1899:570 (catalog); Weise 1911a:54 (catalog), 1911b:80 (catalog); Schultze 1916:100 (faunal list); Gestro 1917:408 (faunal list), 1922:101 (faunal list).

Promecotheca cyanipes scorpio Thomson. Weise 1911c:76 (note), 1922b:71 (key); Uhmman 1951a:35 (note), 1958e:226 (catalog), 1964(1965):242 (faunal list), 1966c:320 (faunal list).

Distribution. China, Philippines (Bucas, Luzon, Mindanao, Panaon, Panay, Polillo, Tawi).

Food plant. *Cocos* sp. (Arecaceae) (Kalshoven 1957).

***Promecotheca freycinetiae* Gressitt 1960a**

Promecotheca freycinetiae Gressitt 1960a:79 (type:Solomon Islands, Biak Island, BPBM).

Gressitt 1963:668 (faunal list); Uhmman 1964a:459 (catalog); Würmli 1976e:365 (distribution); Santiago-Blay 2004:75 (host plants).

Distribution. Solomon Islands (Biak).

Food plant. *Freycinetia* sp. (Pandanaeae) (Gressitt 1960).

***Promecotheca guadala* Maulik 1932**

Promecotheca guadala Maulik 1932:204 (type:Solomon Islands, Guadalcanal, Teteri, BMNH).

Maulik 1937:150 (host plant); Spaeth 1937b:28 (comparative note); Lepesme 1947:559 (host plant); Uhmman 1951a:34 (note), 1958e:226 (catalog), 1964a:459 (catalog); Gressitt 1957b:284 (South Pacific species, biology), 1960a:76 (New Guinea species); Howard & Abad 2001:88 (host plants); Santiago-Blay 2004:75 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Ptychosperma* sp. (Maulik 1932); *Balaka* sp. (Gressitt 1957b) (Arecaceae).

***Promecotheca kolombangara* Gressitt 1957b**

Promecotheca kolombangara Gressitt 1957b:286 (type:Solomon Islands, Kolombangara Island, BMNH). Gressitt 1960a:76 (pupa); Uhmman 1964a:459 (catalog); Maddison 1993:87 (host plant); Santiago-Blay 2004:75 (host plants).

Distribution. Solomon Islands (Kolombangara).

Food plant. *Balaka* (*Ptychosperma*) sp. (Arecaceae) (Gressitt 1960); *Pandanus* sp. (Maddison 1993) (Pandanaeae).

***Promecotheca leveri* Spaeth 1937b**

Promecotheca leveri Spaeth 1937b:27 (type:Solomon Islands, BMNH). Uhmman 1951a:34 (note), 1958e:226 (catalog), 1964a:459 (catalog); Santiago-Blay 2004:75 (host plants); Staines 2005:48 (Spaeth species list).

Promecotheca leveri leveri Spaeth. Gressitt 1957b:298 (South Pacific species), 1960a:75 (New Guinea species); Howard & Abad 2001:88 (host plants).

Promecotheca leveri bougainvilleana Gressitt 1957b:298 (type:Solomon Islands, Bougainville, Boku, SE of Empress Augusta Bay, BPBM). Gressitt 1960a:75 (New Guinea species); Uhmman 1964a:459 (catalog); Würmli 1976e:365 (distribution); Staines & Staines 1997:12 (types); Howard & Abad 2001:88 (host plants); Steiner 2001:83 (host plants).

Distribution. Solomon Islands (Bougainville, Ysabel).

Food plants. *Areca* sp., *Balaka* (?) sp., *Calamus* sp. (Arecaceae) (Gressitt 1957b).

***Promecothea nuciferae* Maulik 1929a**

Promecothea nuciferae Maulik 1929a:81 (type:Indonesia, Celebes, Gorontalo, BMNH).

Maulik 1937:150 (host plants); Taylor 1937:147 (biology); Clausen 1940:138 (parasites); Lepesme 1947:560 (host plants); Risbec 1950a:380 (host plants); Jolivet & Théodoridès 1951:32 (parasites); Uhmman 1951a:38 (catalog), 1958e:226 (catalog), 1960c:24 (faunal list), 1964a:459 (catalog); Speyer 1954:371 (host plants); Thompson 1954:272, 273, 276, 295, 296 (parasites); Gressitt 1957b:298 (South Pacific species), 1959b:122 (note); Kalshoven 1957:10 (host plant); Johnston 1965:14 (pest list); Cox 1996a:172 (pupa); Mariau 1999:234 (note), 2001:135 (note); Santiago-Blay 2004:75 (host plants).

Distribution. Indonesia (Celebes, Java), Moluccas.

Food plants. *Cocos nucifera* L. (Maulik 1929); *Areca catechu* L., *Phytelephas macrocarpa* Ruiz. & Pav., *Phoenix* sp. (Speyer 1954) (Arecaceae).

***Promecothea octostriata* Chapuis 1876**

Promecothea octostriata Chapuis 1876:xxiii (type:Philippines, Bohol, ISNB). Weise 1911a:53 (catalog), 1911b:80 (catalog), 1922b:70 (key); Schultze 1916:100 (faunal list); Gestro 1917:408 (faunal list), 1922:101 (faunal list); Uhmman 1933a:67 (faunal list), 1958e:226 (catalog), 1964(1965):242 (faunal list).

Distribution. Philippines (Bohol, Mindanao).

Food plant. Unknown.

***Promecothea oenoptera* Uhmman 1930-1932**

Promecothea oenoptera Uhmman 1930-1932:39 (type:Philippines, Mindanao, Surigao, DEI).

Uhmman 1933a:67 (faunal list), 1951a:38 (catalog), 1958e:226 (catalog), 1964(1965):255 (faunal list); Gaedike & Döbler 1971:383 (types); Staines 1997b:418 (Uhmman species list).

Distribution. Philippines (Dinagat, Mindanao).

Food plant. Unknown.

***Promecothea opacicollis* Gestro 1897b**

Promecothea opacicollis Gestro 1897b:121 (type:Nuove Ebridi, MCSN). Donckier 1899:569

(catalog); Preuss 1911:80 (biology); Weise 1911a:53 (catalog), 1911b:81 (catalog), 1922b:71 (key); Reh 1913:532 (note); Zacher 1913:102 (biology); Froggatt 1914a:149 (pest status), 1914b:31 (biology); Kowalski 1917:288 (biology); Gestro 1919:342 (note); Freiderichs 1920:142 (biology); Corbett 1923:1 (host plant); Lever 1934:18 (parasites); Dammerman 1929:91 (note); Aldaba 1930:145 (note); Speyer 1932:226 (note); Lever 1933b:11 (biology); Risbec 1935:162 (biology), 1937a:27 (immatures), 1937b:162 (biology), 1950a:380 (host plants); Bryant 1936:256 (faunal list); Maulik 1937:150 (host plant); Esaki 1943:271 (pest status); Lepesme 1947:560 (host plants); Uhmman 1951a:34 (note), 1958e:226 (catalog), 1964a:459 (catalog); Dumberton 1954:18 (host plant); Speyer 1954:371 (host plants); Jolivet & Théodoridès 1951:32 (parasites); Thompson 1954:283 (parasites); Gressitt 1957b:290 (South Pacific species), 1959b:121 (note), 1960a:82 (New Guinea species), 1963c:62 (pest status); Kalshoven 1957:10 (host plant);

Descarpentries & Villiers 1959b:502 (types); Greenslade 1965:661 (distribution); Johnston 1965:14 (pest list); Lever 1969:104 (biology); Clausen 1978:254 (biological control); Bouček 1988:725 (parasites); Mariau 1988:458 (parasites), 2001:135 (note); Waterhouse 1997:13 (pest status); Howard & Abad 2001:88 (host plants); Santiago-Blay 2004:76 (host plants).

Distribution. New Hebrides.

Food plants. *Cocos nucifera* L. (Maulik 1919); *Areca catechu* L., *Phoenix* sp., *Phytelephas macrocarpa* Ruiz. et Pav., *Ravenala madagascariensis* Gmel. (Lepesme 1947) (Arecaceae).

***Promecotheca palmella* Gressitt 1960a**

Promecotheca palmella Gressitt 1960a:78 (type:Solomon Islands, New Georgia Island, BPBM). Uhmann 1964a:459 (catalog); Gaedike & Döbler 1971:383 (types); SantiagoBlay 2004:76 (host plants).

Distribution. Solomon Islands (New Georgia).

Food plant. Small pinnate palm (Arecaceae) (Gressitt 1960a).

***Promecotheca palmivora* Gressitt 1960a**

Promecotheca palmivora Gressitt 1960a:80 (type:New Guinea, Cyclops Mts., BPBM). Gressitt 1963:668 (New Guinea species); Uhmann 1964a:459 (catalog); Santiago-Blay 2004:76 (host plants).

Distribution. New Guinea.

Food plant. Palm (Arecaceae) (Gressitt 1960).

***Promecotheca pandani* Gressitt 1960a**

Promecotheca pandani Gressitt 1960a:82 (type:New Guinea, Adelbert Mts., BPBM). Gressitt 1963:667 (New Guinea species); Uhmann 1964a:459 (catalog); Maddison 1993:87 (host plant); Gaedike & Döbler 1971:384 (types); Santiago-Blay 2004:76 (host plants).

Distribution. New Guinea.

Food plant. *Pandanus* sp. (Pandanaeae) (Gressitt 1960).

***Promecotheca papuana* Csiki 1900**

Promecotheca papuana Csiki 1900:80 (type:Simbang, Huon Gulf, HNHM). Gestro 1907:83 (museum list); Weise 1911a:53 (catalog), 1911b:81 (catalog); Heller 1934:31 (faunal list); Uhmann 1935c:164 (nomenclature), 1951a:34 (note), 1958e:227 (catalog), 1964a:459 (catalog); O'Connor 1940:20 (parasites); Froggatt & O'Connor 1941:125 (biology); Lepesme 1947:561 (host plants); Jolivet & Théodoridès 1951:32 (parasites); Dumberton 1954:18 (host plant); Thompson 1954:283 (parasite); Gressitt 1957b:287 (South Pacific species), 1958:747 (ecology), 1959b:119 (biology), 1960a:82 (New Guinea species), 1963:668 (New Guinea species), 1963c:61 (pest status), 1982:712 (ecology); Kalshoven 1957:10 (host plant), 1981:456 (note); DeBach 1962:72 (biological control); Thompson

& Simmonds 1964:35 (predator); Johnston 1965:14 (pest list); Lever 1969:102 (biology); Baloch 1972:27 (pest status); Hassan 1972:133 (natural enemies); Kerrich 1974:636 (parasites); Clausen 1978:254 (biological control); Prior & Perry 1980:14 (pathogen); Bouček 1988:725 (parasite); Fong 1990:102 (noted); Samuelson 1996:290 (morphology); Conner & Taverner 1997:9 (note); Mariau 1999:234 (note), 2001:135 (note); Howard & Abad 2001:88 (host plants); Cox 2004:370 (flight); Santiago-Blay 2004:76 (host plants); French 2006:74 (host plants); Chaboo 2007:151 (phylogeny); Rethinam & Shingh 2007:3 (noted).

Promecotheca biroi Csiki 1900a:196 (type:Tamai, Cretin Island, HNHM). Gestro 1907:83 (museum list); Weise 1911a:53 (catalog), 1911b:81 (catalog); Gressitt 1958:747 (ecology), 1959b:119 (ecology).

Promecotheca papuana biroi Csiki. Uhmman 1935c:164 (status), 1958e:227 (catalog).

Promecotheca antiqua Weise 1905g:97 (type:New Britain, Gazelle-Halbinsel, Herbertshöhe, ZMHB). Gestro 1907:83 (museum list), 1919:342 (note); Preuss 1911:81 (biology); Weise 1911a:53 (catalog), 1911b:81 (catalog), 1922b:71 (key); Reh 1913:532 (note); Zacher 1913:102 (biology); Froggatt 1914a:151 (pest status), 1914b:35 (biology), 1937:21 (biology); Freiderichs 1920:142 (biology); Corbett 1923:1 (host plant); Frost 1924:464 (host plant); Pic 1924a:3 (note); Dammerman 1929:91 (note); Speyer 1932:225 (note), 1954:369 (host plant); Uhmman 1935c:164 (synonymy); Maulik 1937:149 (host plants); Murray 1937:1 (pest status); Stanley 1938:39 (pest status); Esaki 1943:271 (pest status); Thompson & Simmonds 1964:34 (predator); Bouček 1988:109 (parasite); Santiago-Blay 2004:75 (host plants).

Distribution. Solomon Islands (Bougainville, New Britain), New Guinea.

Food plants. *Cocos nucifera* L., *Areca cathecu* L., *Nipa fruticans* Thunb., *Metroxylon sagu* Rottb., *Elaeis guineensis* Jacq. (Arecaceae) (Froggatt 1914a; Lepesme 1947).

***Promecotheca petelii* Guérin-Ménéville 1840b**

Promecotheca petelii Dejean 1837:387 Nomen Nudum.

Promecotheca petelii Guérin-Ménéville 1840b:334 (type:Indonesia, Java, depository unknown). Baly 1858:90 (note); Gemminger & Harold 1876:3609 (catalog); Donckier 1899:569 (catalog); Weise 1911a:53 (catalog), 1911b:81 (catalog), 1922b:70 (key); Uhmman 1951a:32 (note), 1958e:228 (catalog), 1966c:320 (faunal list), 1966d:275 (note).

Distribution. Indonesia (Java).

Food plant. Unknown.

***Promecotheca ptychospermae* Maulik 1935**

Promecotheca ptychospermae Maulik 1935:653 (type:Solomon Islands, Ulawa Island, BMNH). Spaeth 1937b:27 (key); Maulik 1937:150 (host plants); Lepesme 1947:562 (host plants); Gressitt 1957b:300 (South Pacific species), 1960a:76 (New Guinea species); Kalshoven 1957:10 (host plant); Uhmman 1951a:38 (catalog), 1958e:228 (catalog), 1964a:460 (catalog); Howard & Abad 2001:88 (host plants); Santiago-Blay 2004:76 (host plants).

Distribution. Solomon Islands (Ulawa).

Food plant. *Balaka* (*Ptychosperma*) sp. (Arecaceae) (Maulik 1935).

***Promecotheca pubescens* Gressitt 1957b**

Promecotheca pubescens Gressitt 1957b:293 (type:New Guinea, Maffin Bay, CASC). Gressitt 1960a:84 (New Guinea species), 1963:668 (New Guinea species); Uhmman 1964a:460 (catalog).

Distribution. New Guinea.

Food plant. Unknown.

***Promecotheca pulchella* Gestro 1917**

Promecotheca pulchella Gestro 1917:408 (type:Philippines, Baguio, Benguet, MCSN). Gestro 1919:346 (faunal list), 1922:101 (faunal list); Uhmman 1930-1932:40 (note), 1931f:225 (note), 1933a:66 (note), 1951a:38 (catalog), 1958e:228 (catalog), 1964(1965):242 (faunal list).

Distribution. Philippines (Leyte, Luzon).

Food plant. Unknown.

***Promecotheca sacchari* Gressitt 1957b**

Promecotheca sacchari Gressitt 1957b:296 (type:Solomon Islands, Guadalcanal, Sutakiki River below Suta, BPBM). Gressitt 1960a:76 (New Guinea species); Uhmman 1964a:460 (catalog); Cox 1996a:172 (pupa); Staines & Staines 1997:19 (types); Santiago-Blay 2004:76 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Saccharum officinarum* L., *Saccharum* sp., *Miscanthus* sp. (Poaceae) (Gressitt 1957b).

***Promecotheca salomonina* Spaeth 1937b**

Promecotheca salomonina Spaeth 1937b:28 (type:Guadalcanal, Kovakombi, BMNH). Uhmman 1951a:34 (note), 1958e:228 (catalog), 1964a:460 (catalog); Gressitt 1957b:300 (South Pacific species), 1960a:76 (New Guinea species); Würmli 1976e:365 (distribution); Howard & Abad 2001:88 (host plants); Steiner 2001:83 (host plants); Santiago-Blay 2004:76 (host plants); Staines 2005:48 (Spaeth species list).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Balaka (Ptychosperma)* sp., *Calamus* sp. (Arecaceae) (Gressitt 1957b).

***Promecotheca similis* Uhmman 1933a**

Promecotheca similis Uhmman 1933a:66 (type:Philippines, Luzon, Albay, USNM?). Uhmman 1951a:38 (museum list), 1958e:228 (catalog), 1964(1965):255 (faunal list); Gaedike & Döbler 1971:389 (types); Zelazny & Pacumbaba 1982:115 (host plant); Staines 1997b:418 (Uhmman species list).

Distribution. Philippines (Luzon).

Food plant. *Cocos nucifera* L. (Arecaceae) (Zelazny & Pacumbaba 1982).

***Promecotheca soror* Maulik 1929a**

Promecotheca soror Maulik 1929a:84 (type:Moluccas, Mongoli, BMNH). Lepesme 1947:563 (host plant); Risbec 1950a:380 (host plants); Kalshoven 1951:756 (host plant), 1957:10 (host plant); Uhmman 1951a:34 (note), 1958e:228 (catalog), 1964a:460 (catalog); Gressitt 1957b:298 (South Pacific species), 1959b:122 (note); Johnston 1965:14 (pest list); Woodruff 1979:52 (noted); Mariau 1999:234 (note), 2001:135 (note); Howard & Abad 2001:88 (host plants); Santiago-Blay 2004:76 (host plants).

Distribution. Indonesia (Celebes), Moluccas.

Food plant. *Cocos nucifera* L. (Arecaceae) (Maulik 1929a).

***Promecotheca straminipennis* Weise 1922b**

Promecotheca straminipennis Weise 1922b:59 (type:Solomon Islands, Neu-Pommern, NHRS). Uhmman 1951a:32 (note), 1958e:81 (note), 1958e:228 (catalog), 1964a:460 (catalog); Gressitt 1957b:291 (South Pacific species), 1960a:83 (New Guinea species), 1963:668 (New Guinea species); Maddison 1993:72, 87 (host plant); Santiago-Blay 2004:76 (host plants).

Distribution. Solomon Islands (New Britain).

Food plant. *Pandanus* sp. (Gressitt 1957b); *P. tectorius* Solander ex. Parkinson (Maddison 1993) (Pandanaeae).

***Promecotheca superba* Pic 1924a**

Promecotheca superba Pic 1924a:3 (type:Solomon Islands, Bougainville, MNHN). Uhmman 1951a:34 (note), 1958e:228 (catalog), 1964a:460 (catalog); Gressitt 1957b:290 (South Pacific species), 1960a:82 (New Guinea species); Descarpentries & Villiers 1959b:502 (types).

Distribution. Solomon Islands (Bougainville).

Food plant. Unknown.

***Promecotheca varipes* Baly 1858**

Promecotheca varipes Baly 1858:88 (type:north Australia, BMNH). Gemminger & Harold 1876:3609 (catalog); Donckier 1899:570 (catalog); Weise 1911a:54 (catalog), 1911b:80 (catalog), 1922b:70 (key); Froggatt 1914a:151 (pest status); Gestro 1919:342 (note); Taylor 1937:13 (note); Lepesme 1947:563 (host plants); Risbec 1950a:380 (host plants); Gressitt 1957b:293 (South Pacific species), 1960a:84 (New Guinea species); Kalshoven 1957:10 (host plant); Uhmman 1958e:228 (catalog), 1964a:460 (catalog); Maddison 1993:87 (host plant); Mariau 1999:234 (note), 2001:135 (note); Staines & Staines 1999:527 (Baly species list); Howard & Abad 2001:88 (host plants); Hawkeswood 2003:186 (food plants); Santiago-Blay 2004:76 (host plants).

Distribution. Australia (Northern Territory), New Guinea.

Food plants. *Pandanus* sp. (Pandanaeae) (Froggatt 1914a); *Cocos nucifera* L. (Arecaceae) (Lepesme 1947).

***Promecothea violacea* Uhmann 1932b**

Promecothea violacea Uhmann 1932b:14 (type:Solomon Islands, Bougainville, Timputz, ZMHB). Spaeth 1937b:28 (comparative note); Uhmann 1951a:32 (note), 1958e:228 (catalog), 1964a:460 (catalog); Gressitt 1957b:279 (South Pacific species, biology), 1959b:122 (note), 1960a:82 (New Guinea species); Gaedike & Döbler 1971:394 (types); Maddison 1993:57, 87 (host plants); Cox 1996a:173 (pupa); Staines 1997b:418 (Uhmann species list); Santiago-Blay 2004:76 (host plants).

Promecothea violacea Spaeth. Kalshoven 1957:10 (host plant).

Distribution. Solomon Islands (Bougainville, New Georgia, Ysabel).

Food plants. *Pandanus* sp. (Maulik 1932); *P. dubius* Sprengel (Maddison 1993) (Pandanaceae); *Ptychosperma* sp. (Arecaceae) (Gressitt 1957b).