

Superfamily TEPHRITOIDEA

62. Family LONCHAEIDAE

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There are about 500 described species of Lonchaeidae, or lance flies, recorded from all major forested land masses of the world except New Zealand. A total of 55 species in 4 genera and 2 subfamilies are known from the Australasian/Oceanian Regions.

The immature stages of most species are secondary invaders in diseased or injured plant material. Many species, particularly in *Dasiops* and *Lonchaea*, live under bark of dead and dying trees, or in injured, overripe, or decaying fruits or vegetables. A large number of *Silba* species live in association with members of the family Tephritidae. A few species are primary invaders of

certain fruits and vegetables. *Lamprolonchaea smaragdi*, the metallic green tomato fly, is very common in Australia; its larvae live in damaged tomatoes.

McAlpine & Steyskal (1982) provided a key to the 10 world genera. McAlpine (1975) provided a key to the males of the *impressifrons* group of *Lonchaea* (which includes *cuneifrons*, *dasyscutella*, *iridala*, and *megacera* from the Australasian/Oceanian Regions).

Refs.: Kertész (1901b, PNG spp.), Malloch (1928d, Australian spp.; 1930p, Samoan spp.). McAlpine (1964a,b, world spp.).

Subfamily DASIOPINAE

Tribe DASIOPINI

Genus DASIOPS Rondani

DASIOPS Rondani, 1856: 120. Type species: *Lonchaea latifrons* Meigen, 1826, des. I.C.Z.N., 1963a: 114. *DASIOPA*, *DASYOPS*, errors for *Dasiops*.

phrikosifrons McAlpine, 1964a: 678. Australia (NSW).

ruidifrons McAlpine, 1964a: 678. Australia (NSW); Australia (Qld).

spathistilus McAlpine, 1964a: 672. Australia (NSW).

Subfamily LONCHAEINAE

Tribe EAROMYIINI

Genus LAMPROLONCHAEA Bezzi

LAMPROLONCHAEA Bezzi, 1920: 199 (*Lonchaea* subg.). Type species: *Lonchaea aurea* Macquart, 1851 [= *Notiphila smaragdi* Walker, 1849], orig. des.

badiceps McAlpine, 1964a: 694. Northern Marianas; Australia (NSW, Vic), Guam.

brouniana Bezzi, 1919a: 246 (*Lonchaea*). Australia (NSW). [Proposed (incorrectly) as a n. n. for *splendida* sensu Broun, 1904b: 307; made available by back reference to Broun (1905a).]

rugosifrons Bezzi, 1923e: 183. Australia (NSW). **N. syn.**

splendida, authors, not Loew, 1873, misid.

- bruneata** McAlpine, 1964a: 697. Micronesia.
candidula McAlpine, 1964a: 699. American Samoa; Western Samoa.
conchapinna McAlpine, 1964a: 696. American Samoa; Western Samoa.
cuprea Becker – not Australasian/Oceanian.
fulgida McAlpine, 1964a: 695. Australia (WA).
gilvipata McAlpine, 1964a: 698. Fiji.
lustrata McAlpine, 1964a: 700. Vanuatu.
metatarsata Kertész, 1901b: 86 (*Lonchaea*). PNG (PNG); widesp. Pacific; widesp. Oriental Reg.
aurea, authors, not Macquart, 1851, misid.
micantella McAlpine, 1964a: 695. Micronesia.
nigritarsata McAlpine, 1964a: 694. Guam.
photinia McAlpine, 1964a: 699. Vanuatu.
scintilla McAlpine, 1964a: 696. Micronesia.
smaragdi Walker, 1849: 1098 (*Notiphila*). Sierre Leone; widesp. S Pacific Islands to Australia (Qld); Bermuda, Philippines, Mediterranean area, widesp. Afrotrop. Reg. (incl. Madagascar, St. Helena).
aurea Macquart, 1851: 273(300) (*Lonchaea*). "Afrique."
splendida Loew, 1873c: 292 (*Lonchaea*). Sicily & Corfu.
ustulata McAlpine, 1964a: 695. Northern Marianas.

Tribe LONCHAEINI

Genus LONCHAEA Fallén

- LONCHAEA** Fallén, 1820c: 25. Type species: *Musca chorea* Fabricius, 1782, des. Westwood, 1840: 150. **LONCHOEAE**, error for *Lonchaea*.
apricaria McAlpine, 1964b: 749. Australia (NSW).
belua McAlpine, 1964b: 754. Micronesia; Belau.
choreoides Bezzi, 1923e: 184. Australia (NSW).
cuneifrons McAlpine, 1964b: 748. Australia (Qld).
cyaneonitens Kertész, 1901b: 86. PNG (PNG); Fiji; Taiwan.
dasyscutella McAlpine, 1964b: 747. Australia (Qld).
hilli Malloch, 1928d: 306. Australia (NT).
iridala McAlpine, 1964b: 747. Vanuatu.
linefacies McAlpine, 1964b: 752. Fiji.
megacera Kertész, 1901b: 83. PNG (PNG); Indonesia (?Java).
polita Say, 1830: 188. USA; Hawaiian Is; widesp. N. Am.
sabroskyi McAlpine, 1964b: 753. Belau; Micronesia.
striatifrons Malloch, 1920: 246. USA; Hawaiian Is; Mexico.
uniseta Malloch, 1930p: 243. American Samoa; Western Samoa.

Genus SILBA Macquart

- SILBA** Macquart, 1851: 277(304). Type species: *Silba virescens* Macquart, 1851, orig. des.
CARPOLONCHAEA Bezzi, 1920: 199 (*Lonchaea* subg.). Type species: *Lonchaea plumosissima* Bezzi, 1919, orig. des.
adelosa McAlpine, 1964b: 701. Australia (NSW).
albisquama Kertész, 1901b: 84 (*Lonchaea*). PNG (PNG).
biroi Kertész, 1901b: 85 (*Lonchaea*). PNG (PNG).
atrutula Walker, 1860a: 146 (*Lonchaea*). Indonesia (Sulawesi); Australia (Qld), PNG (PNG); Indonesia (Java), Philippines, Singapore.
obscuripennis de Meijere, 1910a: 117 (*Lonchaea*). Indonesia (Java).
zopherosa McAlpine, 1964b: 704. Australia (Qld).
calva Bezzi, 1914: 320 (*Lonchaea*). Philippines; Fiji; India.

- citricola* Bezzi, 1914: 319 (*Lonchaea*). Philippines; Australia (NT, Qld).
- consentanea* Walker, 1860a: 146 (*Lonchaea*). Indonesia (Sulawesi); Indonesia (Maluku).
- dispalata* McAlpine, 1964b: 705. Solomon Is.
- emulata* McAlpine, 1964b: 707. Solomon Is.
- excisa* Kertész, 1901b: 87 (*Lonchaea*). Singapore; Australia (Qld), Guam, Northern Marianas, PNG (PNG), Solomon Is; Seychelles, Oriental Reg.
- horridomedea* McAlpine, 1964b: 711. Australia (Qld).
- imitata* McAlpine, 1964b: 708. Australia (Qld).
- neozopherosa* McAlpine, 1964b: 704. Solomon Is.
- nigritella* Malloch, 1930f: 241 (*Lonchaea*). Western Samoa; American Samoa. **N. comb.**
- nudoscutella* McAlpine, 1964b: 702. Australia (NSW).
- perplexa* Walker, 1860a: 161 (*Lauxania*). Indonesia (Maluku); Australia (Qld), Fiji, Guam, Micronesia, Northern Marianas, PNG (PNG), "Samoa," Solomon Is, Tonga, Vanuatu; E Oriental Reg.
- filifera* Bezzi, 1914: 320 (*Lonchaea*). Philippines.
- pollinosa* Kertész, 1901b: 86 (*Lonchaea*). PNG (PNG).
- ramuscula* McAlpine, 1964b: 710. Australia (Qld).
- septuosa* McAlpine, 1964b: 702. Australia (Qld).
- setifera* de Meijere, 1910a: 119 (*Lonchaea*). Indonesia (Java); Australia, Fiji, PNG (PNG), "Samoa"; E Oriental Reg.
- taciturna* Walker, 1859a: 127 (*Ephydra*). Indonesia (Maluku).
- uniformis* Malloch, 1930f: 242 (*Lonchaea*). Western Samoa. **N. comb.**
- vanemdeni* McAlpine, 1975: 998. Malaysia (Pen); Australia (NSW, Qld), PNG (PNG).
- atrutula*, McAlpine, 1956, not Walker, 1860, misid.