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A CATALOGUE OF THE FAMILY DROSOPHILIDAE  
IN TAIWAN (DIPTERA)<sup>1</sup>

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57  
68 + 13 ?  
91 ?

The Drosophilidae is one of the big insect fauna in Taiwan. Since 1923, two hundred and twenty-one species belonging to 21 genera were reported; some of them have been collected by the members of our laboratory since 1966. Seventy-four new species <sup>which</sup> will be reported by Lin and Wheeler (The Drosophilidae of Taiwan) are also included. We are quite sure that there are still a lot of drosophilid flies yet described at the present time, meanwhile, some new species we have in hand will be published later. ~~The collections made by H. Sauter with~~ <sup>the</sup> old local names are no longer used in Taiwan. In this paper, a new local name in parenthesis is followed with the old local name, if question mark followed with the new local name, it means we are not sure.

About 40 species of Taiwan drosophilid flies have been raised in our laboratory. The laboratory is opened for anyone who needs them for research in

1. This *Drosophila* research program was supported in part by Biology Center, Academia Sinica and in part by National Science Council, Republic of China.

genetics and cytology.

Genus *Amiota* Loew

*Amiota* Loew, 1862: 229. Type-species: *A. leucostoma* Loew, 1862.

Subgenus *Amiota* Loew

*subfurcata* Okada, 1971b: 85.

Distribution: Wulai.

Subgenus *Apsiphortica* Okada

*lini* Okada, 1971b: 90.

Distribution: Puli.

Subgenus *Phortica* Schiner

*foliiseta* Duda, 1923: 35 (as *Phortica*).

Distribution: Wulai; Chip Chip (Chi-chi); Mt. Hoozan (Fong-fang-shan);  
Chi-tou; San-ti-meng; Kankau (Heng-chung).

*orientalis* Hendel, 1914: 16.

Syn.: *Phortica maculiceps* de Meijere in litt., Duda, 1924a: 183. *Amiota*  
*variegata* Fallen, Duda, 1923: 35.

Distribution: Wulai; Kosempo (Chia-hsieng); Puli; Chip Chip (Chi-chi); Chi-  
tou; Yun-shui; San-ti-meng; Macuyama (Ma-chia-hsiang?);  
Kankau (Heng-chung).

*paramagna* Okada, 1971b: 92.

Distribution: Pei-keng, Miao-Li; Feng-chi-hu, Chia-I.

Genus *Stegana* Meigen

*Stegana* Meigen, 1830: 79. Type-species: *S. coleoprata* (Scopoli, 1763).

Subgenus *Gibbergana* Lin & Wheeler, n. subg. *non. nuel*

*lisocephaloides* Lin & Wheeler, n. sp. *7 sp. nom. nuda* *W.F. 1971*

Distribution: Wulai; Chi-tou.

Subgenus *Eostegana* Hendel

✓ *taiwanensis* Lin & Wheeler, n. sp.

Distribution: Puli; Yun-shui.

Subgenus *Steganina* Wheeler

✓ *minuclaspum* Lin & Wheeler, n. sp.

Distribution: Wulai.

*nigrifrons* de Meijere, 1911: 418.

Distribution: Chi-tou; Takao (Kao-hsiung).

✓ *nigrolimbata* Duda, 1923: 37 (*nom. nud.*); Duda 1924a: 181.

Distribution: Chung-tou, I-Lan; Luan-luan, Keelung; Wulai; Chip Chip (Chichi); Mu-kua-hsi, Hwalien.

*shirozui* Okada, 1971c: 84.

Distribution: Tong-pu, Nan-Tou.

Subgenus *Parastegana* Okada

*femorata* Duda, 1923: 33.

Distribution: Chung-tou, I-Lan; Nankang; Yun-shui; Ken-ting.

*maculipennis* Okada, 1971c: 92.

Distribution: Shih-tsu-lu, Chia-I.

Subgenus *Orthostegana* Hendel

*curvinervis* Hendel, 1914: 115.

Distribution: Chi-tu, Keelung; Wulai; Nankang; Kosempo (Chia-hsieng).

*nigripennis* (Hendel), 1914: 115.

Syn.: *Chaetocnema* (*Oxyphortica*) *peociloptera* Duda, 1926a: 243.

Distribution: Kosempo (Chia-hsieng); Toyenmongai (Tainan); Koshun (Heng-chung); Sokutsu (?); Tapani (Tai-po, Taitung?).

Subgenus *Oxyphortica* Duda

*convergens* (de Meijere), 1911: 400 (as *Drosophila*)

Distribution: Chung-tou, I-Lan; Chi-tu, Keelung; Wulai; Kosempo (Chia-hsieng); Puli; Chip Chip (Chi-chi); Toa Tsui Kutsu (Ta-shui-ku); Chi-tou; Yun-shui; Taihorin (Tai-pao-hsiang); Hoozan (Fong-fang-shan); Chu-kou; Macuyama (Ma-chia-hsiang?); Szu-chung-hsi; Sokutsu (?).

Genus *Steganophenga* Lin & Wheeler, n. g. *non nud.*

↳ *lil* Lin & Wheeler, n. sp.

Distribution: Chi-tou; Wulai.

Genus *Leucophenga* Mik

*Leucophenga* Mik, 1886: 317. Type species: *L. maculata* (Dufour, 1839).

*abbreviata* (de Meijere), 1911: 113 (as *Drosophila*).

Hendel, 1914: 113 (as *Drosomyiella*).

Distribution: Chip Chip (Chi-chi); Ta-shui-ku; Puli; Yun-shui; Chu-kou; Taihorin (Tai-pao-hsiang); Tappani (Tai-po, Taitung?).

*angusta* Okada, 1956: 28.

Distribution: Puli; Liu-feng, Taipei; Ta-shui-ku; Yun-shui; Ken-ting.

*argentata* (de Meijere), 1914: 258.

Distribution: Wulai; Puli; Chi-tou; Yun-shui; Paroe (Chu-shui-po, Taitung?).

↳ *atriventris* Lin & Wheeler, 1972: 243.

Distribution: Chung-tou, I-Lan.

*bifasciata* Duda, 1923: 30.

Distribution: Chip Chip (Chi-chi).

*confluens* Duda, 1923: 32 (as *maculata confluens*).

Distribution: Nankang; Wulai; Shih-ting; Ta-shui-ku; Chi-tou; Kuang-tsu-ling; Ken-ting.

↳ *digmasocma* Lin & Wheeler, 1972: 244.

Distribution: Wulai; Yun-shui.

*flavicosta* Duda, 1926: 53.

Distribution: Toyenmongai (Tainan).

*fuscipennis* Duda, 1923: 28.

- Distribution: Takao (Kao-hsiung).
- guttiventris* (de Meijere), 1911: 414.  
new name for *maculiventris* de Meijere, 1908 (Wheeler, 1959: 191).  
Distribution: Gaisokai, Taihoku Distr. (Wai-shuang-hsi); Chi-tou; Yun-shui; Tainan; Yentempo (Kao-hsiung); Takao (Kao-hsiung); Macuyama (Ma-chia-hsiang ?); Kankau (Heng-chung); Paroe (Chu-shui-po, Taitung ?); Chipun (Chi-peng, Taitung); Pilam (Pi-nan, Taitung).
- halteropunctata* Duda, 1923: 28.  
female form of *argentata* (Lin & Wheeler, The Drosophilidae of Taiwan).
- interrupta* Duda, 1924a, b: 187, 237.  
Distribution: Yun-shui, Paroe (Chu-shui-po, Taitung ?).
- latifrons* Duda, 1923: 32.  
Distribution: Takao (Kao-hsiung).
- limbipennis* de Meijere, 1908: 150.  
Distribution: Paroe (Chu-shui-po, Taitung ?).
- magnipalpis* Duda, 1923: 27.  
Distribution: Chip Chip (Chi-chi).
- meijerei* Duda, 1924a, b: 190, 240.  
Syn.: *Stegana lineata* de Meijere, 1911: 420.  
*Leucophenga meijerea* Duda, 1924a: 190.  
*Leucophenga lineata* de Meijere, i. litt., Duda, 1924b: 240.  
Distribution: Taihoku (Taipei); Puli; Chip Chip (Chi-chi); Hoozan (Fongfang-shan); Yun-shui; Alishan; Tainan; Sokutsu (?).
- nigrinervis* Duda, 1924b: 236.  
Distribution: Wulai; Kosempo (Chia-hsieng); Yun-shui.
- nigripalpis* Duda, 1923: 29.  
Distribution: Shih-ting; Chip Chip (Chi-chi).
- orientalis* Lin & Wheeler, 1972: 249.  
Distribution: Wulai; Puli.
- ornata* Wheeler, 1959: 184, 195.

new name for *ornatipennis* (Wheeler, 1959: 184, 195).

Distribution: Wulai; Yun-shui; Alishan.

*paraguttiventris* Duda, i. litt. ?

Distribution: Gai So Kai, Taihoku Distr. (Wai-shuang-hsi); Paroe (Chu-shui-po, Taitung?).

*pectinata* Okada, 1968a: 310.

Distribution: Wulai; Ken-ting.

*quadripunctata* (de Meijere), 1908: 154.

Distribution: Wulai; Yun-shui.

*setipalpis* Duda, 1923: 31.

Distribution: Takao (Kao-hsiung).

*sordida* Duda, 1923: 31.

Distribution: Koshun (Heng-chung).

*spilosoma* Lin & Wheeler, 1972: 251.

Distribution: Shih-ting; Alishan.

*subacutipennis* Duda, 1924b: 239.

Distribution: Macuyama (Ma-chia-hsiang?); Paroe (Chu-shui-po, Taitung?); Pilam (Pi-nan, Taitung).

*subpollinosa* (de Meijere), 1914: 263.

Distribution: Chung-tou, I-Lan; Gai So Kai, Taihoku Distr. (Wai-hsuang-hsi); Tainan; Anping; Chip Chip (Chi-chi).

*taiwanensis* Lin & Wheeler, 1972: 253.

Distribution: Puli; Yun-shui.

*umbratula* Duda, 1924a: 187.

Distribution: Wulai; Paroe (Chu-shui-po, Taitung?).

*varinervis* Duda, 1923: 31.

Distribution: Sokutsu (?).

#### Genus *Paraleucophenga* Hendel

*Paraleucophenga* Hendel, Duda, 1923: 43 (Syn. *Trichiaspiphenga* Duda, 1924a: 185). Type species: *P. invicta* (Walker, 1857) (as *Helomyza*).

*invicta* (Walker), 1857: 130.

Syn.: *Paraleucophenga triseta* Hendel, 1914: 114.

Distribution: Wulai; Gai So Kai (Wai-hsuang-hsi); Yun-shui; Kankau (Heng-chung).

Genus *Hypselothyrea* de Meijere

*Hypselothyrea* de Meijere, 1906: 193. Type-species: *H. dimidiata* de Meijere, 1906.

*breviscutellata* Duda, 1928: 82.

Distribution: "Formosa".

*guttata* Duda, 1926b: 56.

Distribution: Wulai; Fu-shan, Wulai; Polisha (Puli); Kosempo (Chia-hsieng); Chip Chip (Chi-chi); Chi-tou; Yun-shui; Chung-tou, I-Lan; Mu-kua-shan.

Genus *Microdrosophila* Malloch

*Microdrosophila* Malloch, 1921: 312 (Syn. *Incisurifrons* Duda, 1923: 40).

Type-species: *M. quadrata* (Sturtevant, 1916).

✓ *liodrosophiloides* Lin & Wheeler, n. sp. (ungrouped species).

Distribution: Mu-kua-hsi.

Subgenus *Incisurifrons* Duda

*congesta* Zetterstedt, 1847: 2558.

Distribution: Taihoku (Taipei).

*distincta* Wheeler & Takada, 1964: 217.

Distribution: Yun-shui.

Subgenus *Oxystyloptera* Duda

✓ *longisurus* Lin & Wheeler, n. sp.

Distribution: Wulai.

Subgenus *Microdrosophila* Malloch

✓ *chungtouensis* Lin & Wheeler, n. sp.

Distribution: Chung-tou, I-Lan.

✓ *fasciata* Lin & Wheeler, n. sp.

Distribution: Chung-tou, I-Lan; Wulai; Nankang; Alishan.

✓ *fronsgibbus* Lin & Wheeler, n. sp.

Distribution: Chung-tou, I-Lan; Alishan.

✓ *fushanensis* Lin & Wheeler, n. sp.

Distribution: Fu-shan, Wulai.

✓ *pleuralfirmus* Lin & Wheeler, n. sp.

Distribution: Wulai.

✓ *pleurolineata* Wheeler & Takada, 1964: 217.

Distribution: Yun-shui.

*pseudopleurolineata* Okada, 1968c: 319.

Distribution: Alishan.

✓ *wulaina* Lin & Wheeler, n. sp.

Distribution: Wulai.

#### Genus *Nesiodrosophila* Wheeler & Takada

*Nesiodrosophila* Wheeler & Takada, 1964: 238. Type-species: *N. linda*

Wheeler & Takada, 1964.

✓ *fascilis* Lin & Ting, 1971: 19.

Distribution: Chi-tou.

✓ *haruoi* Lin & Wheeler, n. sp.

Distribution: Wulai.

✓ *kaoea* Lin & Wheeler, n. sp.

Distribution: Shih-meng, Tao-yuan; Chu-kou.

✓ *lynni* Lin & Wheeler, n. sp.

Distribution: Wulai.

✓ *marshalli* Lin & Wheeler, n. sp.

Distribution: Wulai.

#### Genus *Mycodrosophila* Oldenberg

*Mycodrosophila* Oldenberg, 1914: 4. Type-species: *M. poecilogastra* (Loew, 1874).

*basalis* Okada, 1956: 50.

Distribution: Wulai.



✓ *chitouensis* Lin & Wheeler, n. sp.

Distribution: Chi-tou.

*fumusala* Lin & Ting, 1971: 17.

Distribution: Wulai.

✓ *nigrofrontalis* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

✓ *wulaiensis* Lin & Wheeler, n. sp.

Distribution: Wulai.

✓ *yunshuiensis* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

#### Genus *Paramycodrosophila* Duda

*Paramycodrosophila* Duda, 1924a: 191 (Syn. *Upolumyia* Malloch, 1934: 280).

Type-species: *P. pictula* (de Meijere, 1911).

*pictula* (de Meijere), 1911: 412.

Distribution: Paroe (Chu-shui-po, Taitung ?); Yun-shui; Kuang-tzu-ling.

#### Genus *Dettopsomyia* Lamb

*Dettopsomyia* Lamb, 1914: 349. Type-species: *D. formosa* Lamb, 1914.

✓ *guttaseta* Lin & Wheeler, n. sp.

Distribution: Ken-ting.

✓ *multidestricta* Lin & Wheeler, n. sp.

Distribution: Nankang; Wulai; Fu-shan, Wulai; Chi-tou; Mu-kua-hsi.

✓ *nigrovittata* (Malloch), 1924: 352.

Syn.: *D. argentifrons* Okada, 1956: 55.

Distribution: Kuang-hsing; Chi-tou; Chu-kou.

*sumatrana* Duda, 1926b: 62 (as *D. pictipes* var. *sumatrana*).

Distribution: Chu-kou.

#### Genus *Styloptera* Duda

*Styloptera* Duda, 1924a: 193. Type-species: *S. formosae* Duda, 1924.

*formosae* Duda, 1924a: 194.

Distribution: Chung-tou, I-Lan; Macuyama (Ma-chia-hsiang ?).

Genus *Spuriostyloptera* Duda

*Spuriostyloptera* Duda, 1923: 38. Type-species: *S. multipunctata* Duda, 1923.  
*multipunctata* Duda, 1923: 38.

Distribution: Chip Chip (Chi-chi).

Genus *Liodrosophila* Duda

*Liodrosophila* Duda, 1922: 153. Type species: *L. coeruleifrons* (de Meijere, 1918).

*aerea* Okada, 1956: 57.

Distribution: Mu-kua-hsi; Alishan; Chi-tou.

*ciliatipes* Okada, 1974: 42.

Distribution: Alishan.

*dimidiata* Duda, 1922: 158.

Distribution: Puli; Chia-hsieng.

*fuscata* Okada, 1974: 41.

Distribution: Chi-tou; Yun-shui.

*globosa* Okada, 1965: 334.

Distribution: Ken-ting; Kuang-tsu-ling; Yun-shui.

*marginifrons* Duda, 1922: 157.

Distribution: Fu-shan, Wulai; Wulai; Yun-shui; Ken-ting.

✓ *nigrohypandria* Lin & Wheeler, n. sp.

Distribution: Fu-shan, Wulai.

*nitida* Duda, 1922: 157.

Distribution: Fu-shan, Wulai; Wulai; Chung-tou, I-Lan; Hokuto (Pei-tou);  
Kosempo (Chia-hsieng); Polisha (Puli); Yun-shui; Tai-horin  
(Tai-pao-hsiang, Chia-I); Chi-tu; Alishan; Ken-ting.

*pusilla* (de Meijere), 1911: 423 (as *Camilla*).

Distribution: Alishan.

*quadrimaculata* Okada, 1974: 34.

Distribution: Chi-tou.

*rugulosa* (de Meijere), 1914: 234, 269 (as *Camilla*).

Distribution: Luan-luan; Kuang-hsing; Chi-tou; Yun-shui; Kuang-tsu-ling;  
Szu-chung-hsi; Mu-kua-shan; Taroko

*spinata* Okada, 1974: 40.

Distribution: Chi-tou; Yun-shui; Puli; Wulai.

✓ *trispina* Lin & Wheeler, n. sp.

Distribution: Wulai.

*varians* Duda, 1922: 158.

Distribution: Fu-shan; Wulai; Nankang; Chi-tou; Kuang-tsu-ling; Ken-ting.

#### Genus *Chymomyza* Czerny

*Chymomyza* Czerny, 1903: 199. Type-species: *C. fuscimana* (Zetterstedt, 1838).  
*costata* (Zetterstedt), 1838: 5.

Distribution: Chi-tou.

✓ *taiwanica* Lin & Wheeler, n. sp.

Distribution: Mu-kua-hsi.

✓ *xanthosoma* Lin & Wheeler, n. sp.

Distribution: Ta-ping-lin; Puli.

#### Genus *Chaetodrosophilella* Duda

*Chaetodrosophilella* Duda, 1923: 40 (Syn. *Chaetodrosophila* Duda, 1924a: 180).

Type-species: *C. quadrilineata* (de Meijere, 1911).

*quadrilineata* (de Meijere), 1911: 396.

Distribution: Ken-ting; Lan-hsü Island.

#### Genus *Zaprionus* Coquillett

*Zaprionus* Coquillett, 1902: 31. Type-species: *Z. vittiger* Coquillett, 1902.

*albicornis* Enderlein, 1922: 295.

Distribution: Yun-shui; Toyenmongai (Tainan).

*bakeri* Sturtevant, 1927: 366.

Distribution: Yun-shui.

*bistrata* de Meijere, 1911: 397.

Distribution: Toyenmongai (Tainan).

*fenestrata* Duda, 1923: 36.

Distribution: Puli; Chip Chip (Chi-chi); Chi-tou.

✓ *nigrodigitus* Lin & Ting, 1971: 20.

Distribution: Chi-tou; Puli.

Genus *Zygothrica* Wiedemann

*Zygothrica* Wiedemann, 1830: 3. Type-species: *Z. dispar* (Wiedemann, 1830).  
*asiatica* (Okada), 1964: 106 (as *Lissocephala*).

Distribution: Chi-tou; Yun-shui; Ken-ting.

✓ *meishouea* Lin & Wheeler, n. sp.

Distribution: Chi-tu, Keelung; Nankang; Fu-shan, Wulai; Wulai; Chung-tou,  
I-Lan; Yun-shui; Taroko; Mu-kua-shan.

✓ *monodorsocentralis* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

Genus *Cacoxenus* Loew

*Cacoxenus* Loew, 1858: 217. Type-species: *C. indagator* Loew, 1858.  
*punctatus* Duda, 1923: 25.

Distribution: Tainan; Takao (Kao-hsiung).

Genus *Scaptomyza* Hardy

*Scaptomyza* Hardy, 1849: 391. Type-species: *S. graminum* (Fallen, 1823).

Subgenus *Scaptomyza* Hardy

✓ *sinica* Lin & Ting, 1971: 24.

Distribution: Nankang.

✓ *strigata* Lin & Wheeler, n. sp.

Distribution: Chi-tou.

Subgenus *Parascaptomyza* Duda

*elmoi* ✓ *elmoi* Takada, 1970: 144.

Distribution: Chi-tou.

✓ *nigriana* Lin & Wheeler, n. sp.

Distribution: Alishan.

*elmoi* ✓ *pallida* (Zetterstedt), 1847: 2571.

Distribution: Yang-ming-shan; Nankang; Sen-keng; Puli; Ta-shui-ku; Alishan;  
Ken-ting.

*substrigata* de Meijere, 1914: 268.

Distribution: Taihoku (Taipei); Chip Chip (Chi-chi); Tainan; Macuyama (Ma-chia-hsiang ?).

*taiwanica* Lin & Ting, 1971: 22.

Distribution: Chi-tou.

#### Genus *Drosophila* Fallen

*Drosophila* Fallen, 1823: 4. Type species: *D. fenebris* (Zetterstedt, 1847).

#### Subgenus *Psilodorha* Okada

*Psilodorha* Okada, 1968: 334. Type species: *D. ancora* Okada, 1968

*toyohii* Lin & Tseng, 1972: 9.

Distribution: Chi-tou; Wulai.

#### Subgenus *Hirtodrosophila* Duda

*Hirtodrosophila* Duda, 1923: 41 (Syn. *Dasydrosophila* Duda, 1925: 152, 193).

Type-species: *D. latifrontata* Frota-Pessoa, 1945.

*audientis* Lin & Ting, 1971: 26.

Distribution: Chi-tou.

*carinata* Duda, 1923: 41.

Syn.: *Dasydrosophila latifrons* Duda, 1926: 66.

Distribution: Kosempo (Chia-hsieng); Fuhosho (?).

*curvinervis* Duda, 1923a: 204 (as *longercrinita* var. *curvinervis*).

Distribution: Kosempo (Chia-hsieng); Toa Tsui Kutsu (Ta-shui-ku); Paroe (Chu-shui-po, Taitung?); Fuhosho (?).

✓ *diventrarista* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

✓ *exilis* Lin & Wheeler, n. sp.

Distribution: Chi-tou.

*fascipennis* Okada, 1967: 8.

Distribution: Alishan; Ken-ting.

*jacobsoni* Duda, 1926b: 65 (as *latifrons* var. *jacobsoni*).

Distribution: Wulai.

*latifrontata* Frota-Pessoa, 1945: 480 (as *latifrons* var. *carinata* Duda, 1926b: 64 and var. *astioides* Duda, 1926b: 66).

Distribution: Wulai.

*longercrinita* Duda, 1923: 42.

Distribution: Toa Tsui Kutsu (Ta-shui-ku); Kosempo (Chia-hsieng); Tainan; Bansharyo (Shi-sha, Pintung); Paroe (Chu-shui-po, Taitung ?).

*macromaculata* Kan & Lee, 1962: 81.

Distribution: Puli.

✓ *morrisonia* Lin & Wheeler, n. sp.

Distribution: Alishan.

✓ *nigricans* Lin & Wheeler, n. sp.

Distribution: Wulai.

✓ *opmusis* Lin & Wheeler, n. sp.

Distribution: Chi-tou.

*paradenticeps* Okada, 1971: 31.

Distribution: Alishan.

*poecilogastra* Duda, 1926b: 65, 69 (as *latifrons* var. *poecilogastra*).

Distribution: Wulai.

*seminigra* Duda, 1926b: 65 (as *frontata* var. *seminigra*).

Distribution: Wulai.

✓ *taiwanica* Lin & Wheeler, n. sp.

Distribution: Wulai; Puli; Yun-shui.

✓ *tendata* Wheeler, 1959: 198 (new name for *longercrinita* var. *dentata*).

Distribution: Fuhosho (?).

*trapezina* Duda, 1923: 41.

Distribution: Kosempo (Chia-hsieng); Polisha (Puli); Chip Chip (Chi-chi).

*trivittata* Strobl, 1893: 281.

Distribution: Kosempo (Chia-hsieng); Polisha (Puli); Mt. Hoozan (Fong-fang-shan); Yun-shui; Fuhosho (?).

*zygothrioides* Lin & Wheeler, n. sp.

Distribution: Fu-shan, Wulai; Wulai; Alishan.

Subgenus *Scaptodrosophila* Duda

*Scaptodrosophila* Duda, 1923: 37. Type-species: *S. scaptomyzoides* Duda, 1923.

*clunicrus* Duda, 1923: 51.

Distribution: Alishan; San-ti-meng.

*divergens* Duda, 1924b: 240.

Distribution: Toyenmongai (Tainan).

*dorsata* Duda, 1923: 248.

Distribution: Taihoku (Taipei); Kosempo (Chia-hsieng); Takao (Kao-hsiung);  
Kankau (Heng-chung); Sokotsu (?).

✓ *ithumum* Lin & Wheeler, n. sp.

Distribution: Alishan.

*marginata* Duda, 1923: 46.

Distribution: Takao (Kao-hsiung); Paroe (Chu-shui-po, Taitung ?).

✓ *minidaruma* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

*novoguineensis* Wheeler, 1959: 194 (correct name for *novoguineensis* Duda, 1923:  
46).

Distribution: Chung-tou, I-Lan.

*oralis* Duda, 1923: 44.

Distribution: Wulai; Chip Chip (Chi-chi); Koshun (Heng-chung); Sokotsu (?).

✓ *pilopalpus* Lin & Ting, 1971:28.

Distribution: Yun-shui.

*scutellimargo* Duda, 1923: 43.

Distribution: Wulai; Kosempo (Chia-hsieng); Chi-tou; Taihorin (Tai-pao-  
hsiang, Chia-I); Toa Tsui Kutsu (Ta-shui-ku); Tainan.

*simplex* de Meijere, 1914: 266.

Distribution: Chip Chip (Chi-chi); Paroe (Chu-shui-po, Taitung ?).

*subacuticornis* Duda, 1924b: 244.

Distribution: Hokuto (Pei-tou).

✓ *submarginata* Lin & Wheeler, n. sp.

Distribution: Yun-shui.

✓ *suffa* Lin & Wheeler, n. sp.

Distribution: Ta-pei-hu, Kao-hsiung.

Subgenus *Dorsilopha* Sturtevant

*Dorsilopha* Sturtevant, 1942: 28. Type-species: *D. busckii* Coquillett, 1901.  
*busckii* Coquillett, 1901: 18.

Distribution: Chung-tou, I-Lan; Shih-ting, Taipei, Daitotei (Taipei); Wulai;  
Chi-tou; Yun-shui; Suisharyo (Shui-che-liao, Chia-I).

Subgenus *Phloridosa* Sturtevant

*Phloridosa* Sturtevant, 1942: 42. Type-species: *D. floricola* Sturtevant, 1942.

✓ *longum* Lin & Wheeler, n. sp.

Distribution: Chung-tou, I-Lan; Fu-shan, Wulai; Chi-tou; Mu-kua-shan.

✓ *nigrovescum* Lin & Ting, 1971: 25.

Distribution: Chi-tou.

✓ *vescum* Lin & Wheeler, n. sp.

Distribution: Chi-tu, Keelung; Chung-tou, I-Lan; Wulai; Chi-tou; Mu-kua-shan.

Subgenus *Sophophora* Sturtevant

*Sophophora* Sturtevant, 1939: 139. Type-species: *D. melanogaster* Meigen, 1830.  
*ananassae* Doleschall, 1858: 128.

Syn.: *D. similis* Lamb, 1914: 347.

*D. errans* Malloch, 1934: 301.

*D. caribbea* Sturtevant, 1916: 335.

*D. imparata* Walker, 1859: 126, 164.

Distribution: Taihoku (Taipei); Sintiku (Hsin-chu); Toa Tsui Kutsu (Ta-shui-ku); Tainan; Takao (Kao-hsiung); Paroe (Chu-shui-po, Taitung ?); Kankau (Heng-chung).

*bifasciata* Pomini, 1940: 155.

Distribution: Tu-cheng, Taipei; Yun-shui.

*bipectinata* Duda, 1923: 52.

Distribution: Mu-cha; Taihoku (Taipei); Sintiku (Hsin-chu); Yun-shui; Takao (Kao-hsiung); Pintung; Paroe (Chu-shui-po, Taitung ?).



*elegans* Book & Wheeler, 1972: 28.

Distribution: Chi-tou; Pai-leng; Ma-chia-hsiang; Wulai.

*ficuspila* Kikkawa & Peng, 1938: 531.

Distribution: Chu-kou; Yun-shui; Taroko; Wulai.

*kikkawai* Burla, 1954: 137.

Distribution: all over this island.

*lini* Bock & Wheeler, 1972: 59.

Distribution: Yun-shui.

*lucipennis* Lin 1972: 23 (in Bock & Wheeler).

Distribution: Nankang; Chung-tou, I-Lan; Chi-tou; Yun-shui; Szu-chung-hsi; Ken-ting.

*melanogaster* Meigen, 1830: 85.

Syn.: *D. ampelophila* Loew, 1862: 231.

*D. uvarum* Rondani, 1875: 86.

Distribution: Mu-cha; Wulai; I-Lan; Chu-shan; Chia-I; Chu-kou; Ta-pei-hu; Chi-peng; Jui-shui, Hwalien.

} *montium* de Meijere, 1916: 205.

Distribution: Taihoku (Taipei); Daitotei (Taipei); Sintiku (Hsin-chu); Polisha (Puli); Chip Chip (Chi-chi); Toa Tsui Kutsu (Ta-shui-ku); Mt. Hoozan (Fong-fang-shan); Taihorin (Tai-pao-hsiang, Chia-I); Tainan; Macuyama (Ma-chia-hsiang ?); Paroe (Chu-shui-po, Taitung ?).

✓ *nigrosubtilis* Lin & Wheeler, n. sp.

Distribution: Alishan.

*prostipennis* Lin, 1972: 19 (in Bock & Wheeler).

Distribution: Wulai; Fu-shan; Yang-ming-shan; Chung-tou; Puli; Yun-shui; Chi-tou; Taroko.

*pulchrella* Tan, Hsu & Sheng, 1949: 198.

Distribution: Wulai; Puli; Szu-chung-hsi.

*quadraria* Bock & Wheeler, 1972: 55.

Distribution: Chi-tou; Wulai.

*rufa* Kikkawai & Peng, 1938: 229.

Distribution: Chi-tu, Keelung; Mu-cha; Yang-ming-shan; Tu-cheng; Shih-tou-shan; Chi-tou; Chia-I; Yun-shui; Chi-shan; San-ti-meng; Szu-chung-hsi; Taroko.

*suzukii* (Matsumura), 1931: 366.

Distribution: Chung-tou, I-Lan.

*takahashii* Sturtevant, 1927: 371.

Distribution: Taihoku (Taipei); Sen-keng; Shih-tou-shan; Chi-tou; Mei-shan; Chia-I; Yun-shui; Szu-ching-hsi.

*trilutea* Bock & Wheeler, 1972: 17.

Distribution: Alishan.

*tristipennis* Duda, 1923: 53.

Distribution: Taihoku (Taipei); Chip Chip (Chi-chi); Hoozan (Fong-fang-shan); Tainan.

*unipectinata* Duda, 1924b: 246.

Distribution: Hokuto (Pei-tou); Taihoku (Taipei); Daitotei (Taipei).

#### Subgenus *Drosophila* Fallen

*Drosophila* Fallén, 1823: 4. Type-species: *D. fenebris* (Fabricius, 1787).

*albomicans* Duda, 1924a: 209.

Probably synonym of *D. nasuta* Lamb, 1914.

Distribution: all over this island.

✓ *analspinula* Lin & Wheeler, n. sp.

Distribution: Chi-tou; Ken-ting.

✓ *angor* Lin & Ting, 1971: 31.

Distribution: Yun-shui.

*annulipes* Duda, 1923: 58.

Syn.: *D. virgata* Tan, Hsu & Sheng, 1949: 203.

Distribution: Taihoku (Taipei); Nankang; Chi-tu, Keelung; Puli; Chi-tou; Toa Tsui Kutsu (Ta-shui-ku); Chip Chip (Chi-chi); Yun-shui; Alishan; Macuyama (Ma-chia-hsiang?).

✓ *asper*, Lin & Tseng, 1971: 60.

Distribution: Fong-lin, Hwalien; Tai-ping, Taitung.

- ✓ *badia* Lin & Wheeler, n. sp.  
Distribution: Taroko; Mu-kua-hsi.
- ✓ *bamboovesci* Lin & Wheeler, n. sp.  
Distribution: Nankang.
- bellus* Lin & Ting, 1971: 29.  
Distribution: Chi-tou.
- bicolor* de Meijere, 1911: 399.  
Distribution: Takao (Kao-hsiung); Koshun (Heng-chung).
- ✓ *capillata* Lin & Wheeler, n. sp.  
Distribution: Wulai; Mu-kua-hsi.
- compressiceps* Duda, 1923: 55.  
Distribution: Chip Chip (Chi-chi); Mt. Hoozan (Fong-fang-shan); Taihorin (Tai-pao-hsiang, Chia-I).
- compressifrons* Duda, 1923: 56.  
Distribution: Chip Chip (Chi-chi); Mt. Hoozan (Fong-fang-shan); Taihorin (Tai-pao-hsiang, Chia-I).
- curvicapillata* Duda, 1923: 49.  
Distribution: Kosempo (Chia-hsieng); Tainan.
- daruma* Okada, 1956: 155.  
Distribution: Nankang.
- decipiens* Duda, 1923: 55.  
Distribution: Kosempo (Chia-hsieng); Yun-shui; Taihorin (Tai-pao-hsiang, Chia-I).
- fasciata* Meigen, 1830: 84.  
Distribution: Sintiku (Hsin-Chu); Toa Tsui Kutsu (Ta-shui-ku); Takao (Kao-hsiung); Alikang (Kuang-shan, Kao-hsiung); Akau (A-hou-liao, Taitung).
- formosana* Duda, 1926a: 250 (as *immigrans* var. *formosana*).  
Distribution: Nankang; Wulai; Yang-ming-shan; Tu-cheng; Hsin-chuang; Kuang-si; Hsin-chu; I-Lan; Shih-meng; Chi-tou; Ta-shui-ku; Alishan; Yun-shui.
- ✓ *fulvus* Lin & Wheeler, n. sp.  
Distribution: Fu-shan, Wulai; Mu-kua-hsi.

✓ *gracilitas* Lin & Wheeler, n. sp.

Distribution: Alishan.

*hoozani* Duda, 1923: 54.

Distribution: Mt. Hoozan (Fong-fang-shan).

*hydei* Sturtevant, 1921: 101.

Distribution: Taihoku (Taipei); Tai-chung; Chi-peng; Peng-Hu Islands.

*immigrans* Sturtevant, 1921: 83.

Syn.: *D. tripunctata* Becker, 1908: 155.

Distribution: Chung-tou, I-Lan; Chi-tu, Keelung; Wulai; Nankang; Taihoku (Taipei); Ku-kuang; Polisha (Puli); Chi-tou; Ta-shui-ku; Chia-I; Yun-shui; Kuang-tsu-ling; Alishan; Macuyama (Ma-chia-hsiang ?); Taroko.

*komaii* Kikkawa & Peng, 1938: 525.

Probably synonym of *D. nasuta* Lamb, 1914: 346.

Distribution: Taihoku (Taipei); Sintiku (Hsin-Chu).

*lacertosa* Okada, 1956: 158.

Distribution: I-Lan; Yang-ming-shan; Chi-tou.

*lineata* de Meijere, 1911: 420.

Syn.: *D. multistriata* Duda, 1923: 57.

Distribution: Chip Chip (Chi-chi); Hoozan (Fong-fang-shan).

*lividinervis* Duda, 1923: 54.

Syn.: *D. lividipennis* Duda, 1924a: 216.

Distribution: Fuhosho (?).

*longifrons* Duda, 1923: 48.

Distribution: Chip Chip (Chi-chi).

✓ *magnipecten* Lin & Wheeler, n. sp.

Distribution: Alishan.

*nasuta* Lamb, 1914: 346.

Syn.: *D. albomicans* Duda (cf. Sturtevant, 1927: 369; Hennig, 1941: 153).

Probably *D. komaii* Kikkawa & Peng, 1938.

Distribution: Polisha (Puli); Chip Chip (Chi-chi); Taihorin (Tai-pao-hsiang, Chia-I); Tainan; Paroe (Chu-shui-po, Taitung ?); Koshun (Heng-chung); Kankau (Heng-chung).

- ✓ *neohexastriata* Lin & Wheeler, n. sp.  
Distribution: Nankang; Wulai; Alishan; Ken-ting.
- ✓ *neohypocausta* Lin & Wheeler, 1973:23 (in Lin & Tseng)  
Distribution: Chung-tou, I-Lan.
- ✓ *nigriasis* Lin & Wheeler, n. sp.  
Distribution: Alishan.
- ✓ *novodaruma* Lin & Wheeler, n. sp.  
Distribution: I-Lan; Puli; Chu-kou; Alishan; Pintung.
- ✓ *novohistrio* Lin & Wheeler, n. sp.  
Distribution: Alishan.
- ✓ *novolacertosa* Lin & Wheeler, n. sp.  
Distribution: Luan-luan, Keelung; Wulai; Alishan.
- obscurata* de Meijere, 1911: 410.  
Distribution: Macuyama (Ma-chia-hsiang?).
- paravibrissina* Duda, 1924b: 248.  
Distribution: Toa-Tsui-Kutsu (Ta-shui-ku).
- ✓ *quinquestriata* Lin & Wheeler, 1973: 21 (in Lin & Tseng).  
Distribution: Alishan; Ken-ting.
- repleta* Wollaston, 1858: 117.  
Distribution: Taihoku (Taipei); Anping (An-ping); Tainan.
- ruberrima* de Meijere, 1911: 403.  
Distribution: Wulai; Chi-tou; Yun-shui.
- signata* Duda, 1923: 48 (*nom. nud.*), Duda, 1924a: 209.  
Distribution: Chip Chip (Chi-chi); Chi-tou; Chu-kou; Puli.
- silvata* de Meijere, 1916: 206.  
Distribution: Taihoku (Taipei); Polisha (Puli); Chip Chip (Chi-chi); Macuyama (Ma-chia-hsiang?); Sokotsu (?).
- singularis* Duda, 1923: 56.  
Distribution: Chip Chip (Chi-chi); Toa Tsui Kutsu (Ta-shui-ku).
- ✓ *sui* Lin & Tseng, 1973: 19.  
Distribution: Fong-lin.
- ✓ *taipinsanensis* Lin & Tseng, 1973: 16.  
Distribution: Tu-chang.

*tongpua* Lin & Tseng, 1973: 18.

Distribution: Tong-pu.

✓ *tumensa* Lin & Wheeler, n. sp.

Distribution: Fu-shan; Wulai; Chi-tou; Yun-shui.

*xanthogaster* Duda, 1924b: 248.

Distribution: Toa Tsui Kutsu (Ta-shui-ku); Chi-tou.

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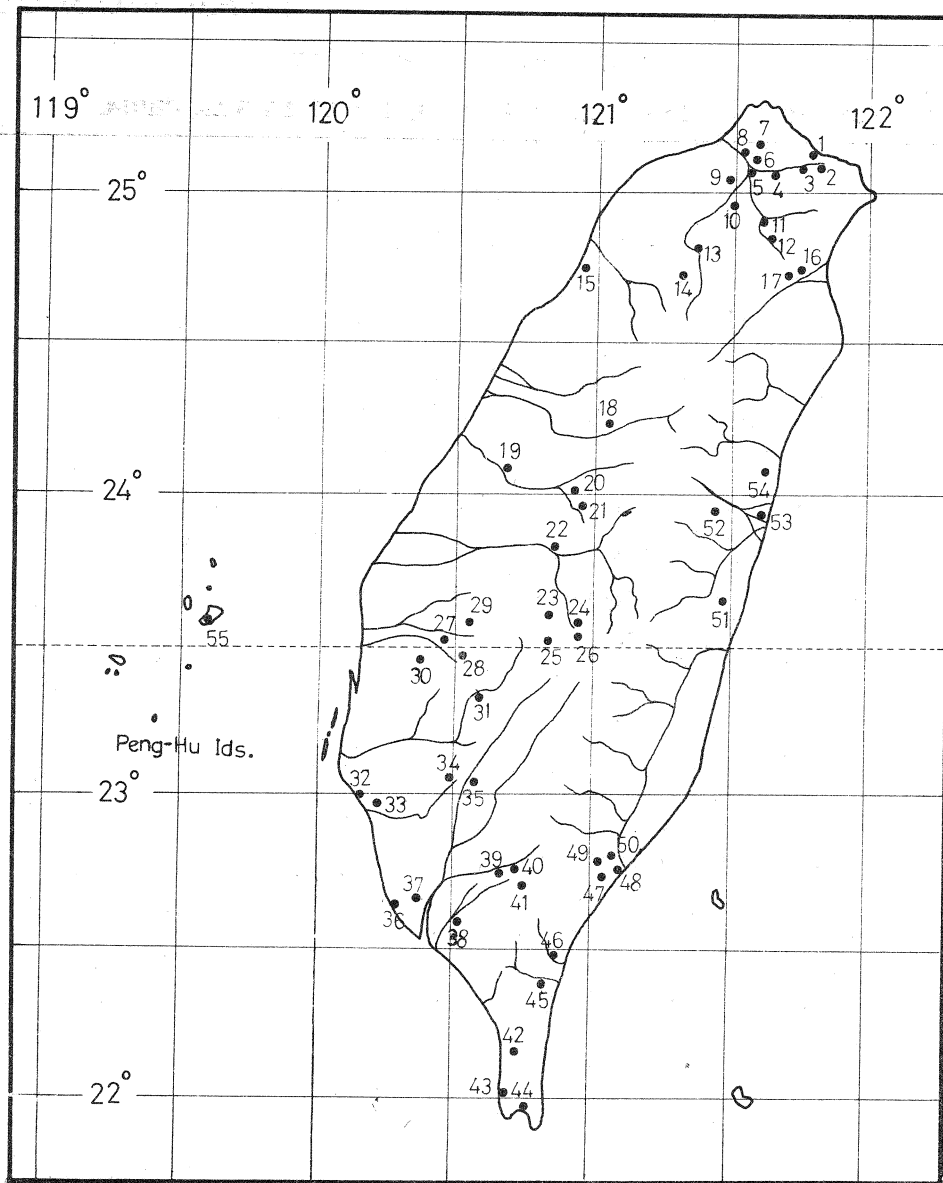
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*Figure:* The localization in Taiwan with current local names. 1. Keelung. 2. Luan-luan. 3. Chi-tu. 4. Nankang. 5. Taipei. 6. Wai-shuang-hsi. 7. Yang-ming-shan. 8. Pei-tou. 9. Hsin-chuang. 10. Tu-cheng. 11. Wulai. 12. Fu-shan. 13. Shih-meng. 14. Kuang-si. 15. Hsin-Chu. 16. I-Lan. 17. Chung-tou. 18. Ku-kuang. 19. Taichung. 20. Kuo-shing-hsiang. 21. Puli. 22. Chi-chi. 23. Ta-shui-ku. 24. Fong-fang-shan. 25. Shui-che-liao. 26. Chi-tou. 27. Chia-I. 28. Yun-shui. 29. Mei-shan. 30. Tai-pao-hsiang. 31. Kuang-tsu-ling. 32. An-ping. 33. Tainan. 34. San-hu-tang. 35. Kuang-shan. 36. Kao-hsiung. 37. Ta-pei-hu. 38. Pin-tung. 39. Fan-she-liao. 40. San-ti-meng. 41. Ma-chia-hsiang. 42. Szu-chung-hsi. 43. Heng-chung. 44. Kenting. 45. Chu-shui-po. 46. Tai-po. 47. Chi-peng. 48. Taitung. 49. Tai-ping. 50. Pi-nan. 51. Fong-lin. 52. Mu-kua-shan. 53. Hwalien. 54. Taroko. 55. Ma-kung.

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