

BULLETIN

ZOÖLOGISCH MUSEUM

U N I V E R S I T E I T V A N A M S T E R D A M

Vol. 11 No. 10 1987

LIST OF TYPE SPECIMENS OF DROSOPHILIDAE (DIPTERA) IN THE COLLECTIONS OF THE ZOÖLOGICAL MUSEUM AMSTERDAM

Gerhard Bächli

ABSTRACT

The collection of Drosophilidae contains 358 type specimens of 122 species out of 23 genera. 74 of these species were described by De Meijere. With few exceptions the flies were collected in Indonesia. A list of the type specimens is given.

INTRODUCTION

One of the leading dipterists at the beginning of this century was J.C.H. De Meijere who described hundreds of species from specimens mainly collected in the then Netherlands Indies now Indonesia. Descriptions of 76 new species of Drosophilidae were included by him in several papers between 1906 and 1924. The collections established by him are now kept in the Zoölogisch Museum Amsterdam.

In addition to 74 species described by De Meijere the collection now contains type specimens of 48 species described by the following authors: Bächli, Carson and Okada, Duda, Okada, Tsacas and Chassagnard, Villeneuve, and Van der Wulp. These authors made descriptions based on specimens owned by the Zoölogisch Museum, or sent type specimens to the Museum as a gift.

The following list contains 358 type specimens of

122 species, which are arranged in alphabetical order. In total there are 23 holotypes, 26 paratypes, 16 lectotypes, 42 paralectotypes, 1 neotype and 250 syntypes. For species described before 1970 the essential details of collection sites and number of specimens are cited. The type specimens recorded are listed with details of the labels, as far as is considered to be essential. Different labels are separated by a slash (/). Remarks on the status and the condition of the type specimens are added where needed. New lectotype designations are indicated in upper-case letters. In addition some comments are given, especially on the systematic position and synonymy. These data are based on the catalog of Wheeler (1981).

Compared with the original data given by De Meijere the type collection is nearly complete. Some additional specimens are found in the Zoological Mu-

seum Berlin (Bächli, 1984a), in the Hungarian Natural History Museum, Budapest (Bächli, 1984b), and in the Rijksmuseum voor Natuurlijke Historie, Leiden (unpublished).

I wish to express my thanks to Dr. P. Oosterbroek and B. Brugge of the Zoological Museum Amsterdam, for the permission to work in the collection and for helping me in solving special problems.

ALPHABETIC LIST OF SPECIES

abbreviata De Meijere, 1911:400 (*Drosophila*)

Citation: Semarang, Februar, März, Jacobson leg.

LECTOTYPE ♂: E. Jacobson, Samarang Java Maart 1909 / *Drosophila abbreviata* det. De Meijere Type / G. Bächli vidit 1967 No. 4574 / (Lectotype by present designation).

1 paralectotype ♂: E. JACOBSON Samarang Java Feb. 1910 / G. Bächli vidit 1967 No. 4575.

Comment: This species is now included in *Leucophenga*.

acrostichalis Duda, 1926:61 (*Dettopsomyia*)

Citation: ... 3♂♂ (Fort de Kock).

1 syntype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *acrostichalis* ♂ d. Duda.

albiceps De Meijere, 1914:258 (*Drosophila*)

Citation: Gunung Ungaran, September, JACOBSON leg.

LECTOTYPE ♂: E. JACOBSON Goenoeng Oengaran Java Sept. 1910 / *Drosophila albiceps* det. De Meijere Type / G. Bächli vidit 1967 No. 4583 / (Lectotype by present designation).

Comment: This species is now included in *Leucophenga*.

albicincta De Meijere, 1908:156 (*Drosophila*)

Citation: Semarang, März, 1 Ex., Jacobson leg.

Holotype ♂: Java II. III. '06 Semarang. Jacobson. / 301 / *Drosophila albicincta* de Meij. Type / G. Bächli vidit 1967 No. 4551.

Comment: This is considered to be a synonym of *Leucophenga albofasciata* Macquart, 1851.

albicornis De Meijere, 1916:58 (*Drosophila abicornis*, emend.)

Citation: Sinabang, Februar.

1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / *Drosophila albicornis* det. De Meijere.

Comment: This species is now included in *Mycodrosophila*.

albincisa De Meijere, 1911:409 (*Drosophila*)

Citation: Batavia, März, 1 Ex., Jacobson leg.

Holotype ♀: E. Jacobson Batavia Java Maart 1908 / *Drosophila albincisa* i. litt.

albolimbata Duda, 1924:256 (*Drosophila*)

Citation: ... 1 ♂, 1 ♀, labelled "Edw. Jacobson Suban Ajam Sum., VII. 1916 - 68/51.

1 syntype ♂: 6851 / Edw. Jacobson Suban Ajam Sum. 7. 1916 / *Drosophila albolimbata* n. sp. det. Duda.

1 syntype ♀: Suban Ajam Sum. 7. 1916 Jacobson / *Drosophila albolimbata* n. sp. det. Duda.

albonotata De Meijere, 1911:408 (*Drosophila*)

Citation: Wonosobo (Java), April, 1 Ex., Semarang, März, mehrere Exemplare an der Unterseite eines Bambusstengels, Jacobson leg.

1 syntype ♀: 1595 / E. JACOBSON Samarang. Java Mrt 1910 / *Drosophila albonotata* det. De Meijere Type.

1 syntype ♀: 1598 / E. Jacobson Samarang Java Mrt 1910 / *Drosophila albonotata* d. M. det. De Meijere.

1 syntype ♂: 1592 / E. Jacobson Samarang Java Mrt 1910.

1 syntype ♂: 1593 / E. Jacobson Samarang Java Mrt 1910.

1 syntype ♀: E. Jacobson Wonosobo Java Apr 1909.

2 syntypes ♀♀: E. Jacobson Samarang Java Mrt 1910.

alocasiae Okada, 1975:358 (*Drosophilella*)

2 paratypes ♂♀: Wulai TAIWAN 2 VIII 1974 N. Watanabe / 11948 / *Drosophilella alocasiae* Okada.

alternata De Meijere, 1911:402 (*Drosophila*)

Citation: Gunung Ungaran, Dezember, Jacobson leg.

1 syntype ♂: E. Jacobson Goenoeng Oengaran Java Dec. 1909 / *Dr. alternata* det. De Meijere Type.

1 syntype ♂: E. Jacobson Goenoeng Oengaran Java Dec. 1909 / *Drosophila alternata* d. M. det. De Meijere.

3 syntypes ♂♀: E. Jacobson Goenoeng Oengaran Java Dec. 1909.

amabilis De Meijere, 1911:405 (*Drosophila*)

Citation: Samarang, Dezember, auf Polyporus; Spondol (Semarang), Jacobson leg.

1 syntype ♂: 1390 / E. Jacobson Samarang Java Dec. 1909 / *Drosophila amabilis* det. De Meijere Type.

3 syntypes ♂♀: 1386 / E. Jacobson Samarang Java Dec. 1909.

Comment: This species is now included in *Mycodrosophila*.

angusta De Meijere, 1916:57 (*Drosophila*)

Citation: Sinabang, Februar.

1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / 1709 / *Drosophila angusta* det. De Meijere Type.

1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / 1708.

1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / 1703 / *Drosophila angusta* det. De Meijere.

angustipennis De Meijere, 1911:413 (*Drosophila*)

Citation: Gunung Ungaran, October, 1, Jacobson leg.
 Holotype ♂: E. JACOBSON Goenoeng Oengaran Oct.
 1909 / *Drosophila angustipennis* det. De Meijere
 Type.
 Comment: This species is now included in *Curtonotum*,
 family Curtonotidae.

annulosa Duda, 1929:417 (*Protostegana*)
 Citation: Ein ♂, Station 9, 22. V, 1921.
 Holotype ♂: Buru 1921 Station 9 leg. L. J. Toxopeus 22-
 V / *Protostegana annulosa* n. sp. det. Duda.
 Comment: This species is now included in *Stegana*.

argentata De Meijere, 1914:258 (*Drosophila*)
 Citation: Nongkodjadjar, Januar, 1 Ex., JACOBSON leg.
 Holotype ♂: E. Jacobson Nongkodjadjar JAVA Jan 1911 /
Dr. argentata Type d. M. / G. Bächli vidit 1967 No.
 4584.
 Comment: This species is now included in *Leucophenga*.

argentina De Meijere, 1924:46 (*Drosophila*)
 Citation: Barung Pulau (Kurintji), Juli.
 LECTOTYPE ♂: E. Jacobson Barung Pulau Kur. Sum.,
 7:15 / *Drosophila argentina* det. De Meijere Type /
 G. Bächli vidit 1967 No. 4562 / (Lectotype by
 present designation; right wing missing).
 Comment: This species is now included in *Leucophenga*. I
 was unable to find out the publication date of the de-
 scription by De Meijere. Duda (1924a) included a key
 description of this species, as "*argentina* De Meijere
 ♂, i. litt.", published in June 1924. Duda's publication
 may have priority.

atrophyga Duda, 1924:215 (*Drosophila montium* var. *a-
 trophyga*)
 Citation: Java, Formosa, Mittel-Annam (for *D. montium*).
 1 syntype ♂: Tjibodas 5000-6000' Koningsberger 1913 /
 aff. *inconspicua* / *Dr. montium* var. *atrophyga* ♂
 Det. Dr. O. Duda.
 Comment: The status of this species was discussed by
 Bächli (1984a).

baseogrisea Duda, 1924:257 (*Drosophila*)
 Citation: ... 1 ♀, labelled "Suban Ajam. Sumatra, 7. VII.
 1916, Edw. Jacobson".
 Holotype ♀: Suban Ajam Sum. 7. 1916 Edw. Jacobson /
 aff. *nigra* / *Drosophila baseogrisea* ♂ n. sp. d. Duda.

bicolor De Meijere, 1911:399 (*Drosophila*)
 Citation: Batavia, Dezember, 1 Ex., Jacobson leg.
 Holotype ♀: Batavia XII. 07 Jacobson / *Drosophila bicolor*
 det. De Meijere Type.
 Comment: This species is now included in *Lissocephala*.

bimaculata De Meijere, 1908:160 (*Scaptomyza*)
 Citation: Semarang, Januar, März, 2 Exx., Jacobson leg.

1 syntype ♀: Java I. '06 Semarang Jacobson / *Scaptomyza
 bimaculata* d. Meij. Type.
 1 syntype ♀: Java III. 06 Semarang Jacobson / op /
Scaptomyza bimaculata d. M. det. De Meijere / (right
 wing and legs missing).
 Comment: This species is now included in *Microdrosophila*.

binotata De Meijere, 1914:257 (*Drosophila*)
 Citation: Semarang, November, JACOBSON leg.
 1 syntype ♂: Java Semarang Jacobson / *Dr. binotata* det.
 De Meijere Type.
 1 syntype ♂: Java Semarang Jacobson.
 1 syntype ♀: Java Jacobson / *Drosophila binotata* d. M.
 det. De Meijere.
 Comment: This species is now included in *Lissocephala*.

bistriata De Meijere, 1911:397 (*Drosophila*)
 Citation: Srandol (Semarang), Dezember, Jacobson leg.
 1 syntype ♀♀: E. JACOBSON Srandol Samarang Java
 Dec. 1909 / *Drosophila bistriata* det. De Meijere
 Type.
 Comment: This species is now included in *Phorticella*.

brunnea De Meijere, 1911:401 (*Drosophila*)
 Citation: Batavia, März, August; Wonosobo, Mai, Jacobson
 leg.
 Lectotype ♀: E. Jacobson Batavia Java Maart 1908 /
Drosophila (Scaptodrosophila) brunnea De Meijere
 Lectotype ♀ L. Tsacas & M. T. Chassagnard det.
 1974.
 1 paralectotype ♂: Java Jacobson / *Drosophila
 (Scaptodrosophila) brunnea* De Meijere Allotype ♂ L.
 Tsacas & M. T. Chassagnard det. 1975.
 1 paralectotype ♀: Batavia III. 08 E. Jacobson / *Drosophila
 brunnea* det. De Meijere Type / Type / *Drosophila
 (Scaptodrosophila) brunnea* De Meijere Paralecto-
 type ♀ L. Tsacas & M. T. Chassagnard det. 1974.
 2 paralectotypes ♀♀: E. Jacobson Batavia Aug. 1908 /
Drosophila (Scaptodrosophila) brunnea De Meijere
 Paralectotype ♀ L. Tsacas & M. T. Chassagnard det.
 1974.
 1 paralectotype ♀: E. Jacobson Batavia Java Maart 1908 /
Drosophila (Scaptodrosophila) brunnea De Meijere
 Paralectotype ♀ L. Tsacas & M. T. Chassagnard det.
 1974.
 1 paralectotype ♀: E. Jacobson Batavia Java Maart 1908 /
Paradrosophila brunnea Det. Dr. O. Duda / *Droso-
 phila (Scaptodrosophila) brunnea* De Meijere Para-
 lectotype ♀ L. Tsacas & M. T. Chassagnard det.
 1974 .

brunnea De Meijere, 1916:59 (as *Sphyrnoceps brunneus*)
 Citation: Sinabang, Februar.
 1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II.
 1913 / 1808 / *Sphyrnoceps brunneus* det. De Meijere
 Type.

- 1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / 1705 / *Sphyrnoceps brunneus* det. De Meijere / phot. / (left wing missing).
 2 syntypes ♂♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913.

brunnescens De Meijere, 1911:417 (*Stegana*)

Citation: Batavia, März, 3 Ex., Jacobson leg.; Salatiga, Mai, Docters van Leeuwen leg.

- 1 syntype ♀: E. Jacobson Batavia Java Maart 1908 / *Stegana brunnescens* det. De Meijere Type.
 1 syntype ♂: Java V. 1909 Salatiga Doct. v. Leeuwen / *Stegana brunnescens* d. M. det. De Meijere.
 1 syntype ♀: E. Jacobson Batavia Java Maart 1908.
 Comment: This is as synonym of *Stegana lateralis* van der Wulp, 1897.

cincta De Meijere, 1911:395 (*Drosophila*)

Citation: Gunung Salak nahe Buitenzorg (Java), November, Jacobson leg.

- LECTOTYPE ♂: Goenoeng Salak Tjomas bij Buitenzorg XI. 07 Jacobson / *Drosophila cincta* det. De Meijere Type / G. Bächli vidit 1967 No. 4561 / (Lectotype by present designation).

Comment: This species is now included in *Leucophenga*.

cinctifrons De Meijere, 1924:47 (*Chymomyza*)

Citation: G. Talamau, Juni.

- 1 syntype ♂: G. Talamau Sum. 6. 1917 Jacobson / *Drosophila cinctifrons* det. De Meijere Type.
 1 syntype ♂: G. Talamau Sum. 6. 1917 Jacobson / *Drosophila cinctifrons* n. sp.
 1 syntype ♂: G. Talamau Sum. 6. 1917 Jacobson.
 1 syntype ♀: Gunung Talamau Sum. 6. 1917 Jacobson / *Drosophila cinctifrons* d. M. det. De Meijere.
 2 syntypes ♂♀: Edw. Jacobson Gun. Talamau Sum. 6. 1917.

coeruleifrons De Meijere, 1911:421 (*Camilla*)

Citation: Berg Ungaran nahe Semarang, October, 1 Ex. Jacobson leg.

Holotype ♂: Java X. 01 Semarang Jacobson / op ... Oengaran / *Camilla coeruleifrons* det. De Meijere.

Comment: This species is now included in *Liodrosophila*.

colocasiae Duda, 1924:252 (*Drosophila*)

Citation: ... 1♂, 1♀, labelled "Nongkodjadar Jacobson 1911, von *Colocasia antiquorum*."

LECTOTYPE ♂: Nongkodjadar Java Colocasia / *Drosophila Colocasiae* Det. Dr. O. Duda n. sp. ♂ / Lectotype selected by M. R. Wheeler July 1969 / (Lectotype by present designation).

- 1 paralectotype ♂: Nongkodjadar Januar 1911 Jacobson / *Drosophila Colocasiae* ♀ / Uit bloemkolven v. *Colocasia antiquorum* / phot. / (head, left wing and some legs missing).

Comment: This species is now included in *Drosophilella*.

contracta Duda, 1926: 55 (*Liodrosophila*)

Citation: ... 3 ♀♀ aus Fort de Kock.

1 syntype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / L. *contracta* ♀ d. Duda.

convergens De Meijere, 1911:400 (*Drosophila*)

Citation: Semarang, März, April, Jacobson leg.

- 1 syntype ♀: E. Jacobson Samarang Java Maart 1909 / *Drosophila convergens* det. De Meijere Type.
 2 syntypes ♂♂: E. Jacobson Samarang Java Maart 1909.
 1 syntype ♀: E. Jacobson Samarang Java Apr. 1909 / *Drosophila convergens* d. M. det. De Meijere.
 2 syntypes : Java Jacobson.
 Comment: This species is now included in *Stegana*.

cristata De Meijere, 1914:273 (*Colocasiomyia*)

Citation: Nongkodjadar, Januar, aus Blütenkolben von *Colocasia antiquorum*, JACOBSON leg.

2 syntypes ♀♀ (on 1 pin): 1799 / E. Jacobson Nongkodjadar JAVA Jan 1911 / uit bloemkolven v. *Colocasia antiquorum* / *Colocasiomyia cristata* det. De Meijere Type.

1 syntype ♂: E. Jacobson Nongkodjadar JAVA Jan 1911.
 1 syntype ♂: uit Bloemkolven v. *Colocasia antiquorum* Java Jacobson.

1 syntype ♂: Java Jacobson / *Colocasiomyia cristata* de Meij. Cotype.

1 syntype ♂: Java Jacobson .

Comment: This species was included by De Meijere in the family Sphaeroceridae.

deflexa Duda, 1924:222 (*Drosophila*)

Citation: Europa.

3 paralectotypes ♂♂ (on 1 pin): 16. 7. / *D. deflexa* m. n. sp. Det. Dr. O. Duda.

1 paralectotype ♀: 11. 8. / *D. deflexa* n. sp. ♀ Det. Dr. O. Duda.

dentata Duda, 1924:205 (*Drosophila*)

Citation in Bächli (1974).

Neotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / auf Pilzen / *Dasydrosophila dentata* Duda Typus ♂ 1926 d. Duda / *D. (H.) dentata* Duda Neotypus ♂ H 374 G. Bächli det. 1972.

dimidiata De Meijere, 1906:194 (*Hypselothyrea*)

Citation: Neu-Guinea: Sattelberg, Huon Golf (Biró, 1899).

1 syntype ♂: N.-Guinea Biró 1899 / Sattelberg Huon-Golf / *Hypselothyrea dimidiata* de Meij., de Meij. det. '05 Type.

fenestrata Duda, 1923:36 (*Phorticella fenestrata* De Meijere i. litt.)

Citation: See comment.

1 syntype ♂: E. JACOBSON Sronol Samarang Java Dec 1909 / *Drosophila fenestrata* d. M. det. De Meijere / *Phorticella fenestrata* Det. Dr. O. Duda / Syntype.

Comment: This syntype specimen is not mentioned in the original description by Duda 1923, where only females from Taiwan are named. However, Duda also described the male, and in the paper of 1924a, which was written earlier but published later, he also gives Java as a distribution area.

flavissima Duda, 1929:419 (*Paradrosophila*)

Citation: Buru. Zwei ♀♀ Station 1, 9. XII. 1921.

1 syntype ♀: Buru 1921 Station 1 leg. L. J. Toxopeus 9-XII / *Paradrosophila flavissima* n. sp. Type det. Duda.

Comment: This species is now included in *Drosophila*.

frontata De Meijere, 1916:204 (*Drosophila*)

Citation: Tjibodas, 5000-6000 Fuss, KONINGSBERGER leg.

1 syntype ♀: Tjibodas 5000-6000' Koningsberger 1913 / *Dr. frontata* d. M. Type / *Incisurifrons congesta* Zett. d. Duda.

1 syntype ♀: Tjibodas 5000-6000' Koningsberger 1913.

Comment: This species is now included in *Microdrosophila*.

gibbosa De Meijere, 1914:264 (*Drosophila*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

LECTOTYPE ♂: Nongkodjadjar Januar Jacobson leg. / *Drosophila gibbosa* det. De Meijere Type / G. Bächli vidit 1967 No. 4587 / (Lectotype by present designation).

1 paralectotype ♂: E. Jacobson Nongkodjadjar JAVA Jan. 1911 / G. Bächli vidit 1967 No.4586.

1 paralectotype ♂: Java Jacobson / *Drosophila gibbosa* d. M. det. De Meijere / phot / G. Bächli vidit 1967 No.4588. / (left wing missing).

Comment: This species is now included in *Leucophenga*.

gracilis Duda, 1924:253 (*Tanygastrella*)

Citation: ... 1 ♂, labelled "E. Jacobson, Semarang, Java, XI. 190?".

Holotype ♂: E. Jacobson Semarang Java Nov. 1909 / *Tanygastrella gracilis* ♂ n. sp. det. Duda.

Comment: The present name of this species is *Drosophila eugracilis* Bock and Wheeler, 1972.

gratiosa De Meijere, 1911:404 (*Drosophila*)

Citation: Batavia, Dezember; Semarang, Dezember, auf *Polyporus*, Jacobson leg.

1 syntype ♂: E. Jacobson Batavia Dec 1908 / *Drosophila gratiosa* det. De Meijere Type.

1 syntype ♂: E. Jacobson Batavia Dec 1908 / *Drosophila gratiosa* d. M. det. De Meijere.

14 syntypes ♂♂: E. Jacobson Batavia Dec 1908 .

6 syntypes ♀♀: E. Jacobson Batavia Dec 1908.

1 syntype ♂: 1387 / E. JACOBSON Samarang Java Dec 1909.

1 syntype ♂: 1392 / E. JACOBSON Samarang Java Dec 1909.

1 syntype ♀: 1389 / E. JACOBSON Samarang Java Dec 1909.

1 syntype ♀: 1396 / E. JACOBSON Samarang Java Dec 1909.

1 syntype ♂: 1395 / E. JACOBSON Samarang Java Dec 1909 / 1385-1396 op *Polyporus*.

Comment: This species is now included in *Mycodrosophila*.

guttata Duda, 1926:56 (*Hypselothyrea*)

Citation: Chip-Chip, 909.II. Formosa: Sauter; ... Kosempo und Polisha; ... ein ♀ in Fort de Kock.

1 syntype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *H. guttata* ♀ det. Duda.

hirsuta Duda, 1926:97 (*Drosophila fenestrarum* var. *hirsuta*)

Citation: ... aus Fort de Kock 1♂, 5 ♀♀.

1 syntype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *hirsuta* ♀ d. Duda.

Comment: This species differs from *Drosophila fenestrarum* Fallén in the shape of the oviscapae.

hirticornis De Meijere, 1914:261 (*Drosophila*)

Citation: Gunung Ungaran, September; Nongkodjadjar, Januar, JACOBSON leg.

LECTOTYPE ♂: E. JACOBSON Goenoeng Oengaran Java Sept. 1910 / Lectotype / *Drosophila hirticornis* det. De Meijere Type / *D. (H.) hirticornis* D. M. Holotypus ♂ H 418 G. Bächli det. 1972 / (Lectotype by present designation).

1 paralectotype ♂: E. JACOBSON Goenoeng Oengaran Java Sept. 1910 / *Drosophila hirticornis* d. M. det. De Meijere / *D. (H.) hirticornis* D. M. Paratype ♂ H 419 G. Bächli det. 1972.

Comment: The type designations of Bächli (1974) are herewith corrected.

hypopygialis Duda, 1924:254 (*Tanygastrella*)

Citation: ... 3 ♂♂, labelled "E. Jacobson Suban Ajam Sumatra VIII. 1916. 7086".

1 syntype ♂: Suban Ajam Sum. 7. 1916 Edw. Jacobson / *Tanygastrella* n. gen. *hypopygialis* n. sp. d. Duda.

2 syntypes ♂♂ (on 1 pin): 7086 / Edw. Jacobson Suban Ajam Sum. 7. 1916 / *Tanygastrella hypopygialis* m. ♂ d. Duda.

Comment: This species is now included in *Drosophila*.

inconspicua De Meijere, 1914:262 (*Drosophila*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

1 syntype ♀: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Drosophila inconspicua* det. De Meijere Type.

1 syntype ♂: E. Jacobson Nongkodjadjar JAVA Jan 1911 /

Drosophila inconspicua d. M. det. De Meijere.

1 syntype ♂: E. Jacobson Nongkodjadar JAVA Jan 1911.

isatoidea Bächli, 1974:305 (*Drosophila*)

1 paratype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *astioidea* Duda ♂, det. O. Duda 1926 / *D. (H.) isatoidea* Paratypus ♂ H 362 G. Bächli det. 1972.

jacobsoni Duda, 1926:59 (*Dettopsomyia*)

Citation: ... aus Fort de Kock: 9 ♂♂, 4 ♀♀.

2 syntypes ♂♂ (on 1 pin): Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *D. Jacobsoni* ♂ d. Duda .

2 syntypes ♂♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *D. Jacobsoni* d. Duda

jacobsoni Duda, 1926:66 (*Drosophila latifrons* var. *Jacobsoni*)

Citation: ... vier ♂♂ und ein ♀ (Fort de Kock).

1 paralectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1924 / *Dasydrosophila Jacobsoni* n. sp. ♂ d. Duda / *Dasydrosophila latifrons* Duda var. *Jacobsoni* Duda ♂ det. O. Duda 1926 Cotype! / *D. (H.) jacobsoni* Duda Paratype ♂ H 411 G. Bächli det. 1972.

javana De Meijere, 1911:422 (*Camilla*)

Citation: Batavia, October, 2 Exx.; Semarang, April, mehrere Exx., Jacobson leg.

1 syntype ♀: Batavia X. 07 Jacobson / *Camilla javana* det. De Meijere Type.

1 syntype ♂: Batavia X. 07 Jacobson / *Camilla javana* d. M. det. De Meijere.

8 syntypes ♂♀: E. Jacobson Samarang Java Apr 1909.

Comment: This species is now included in *Sphaerogastrella*. There is an additional specimen labelled "Batavia X. 07 Jacobson" considered to be supernumerary.

latifascia De Meijere, 1914:261 (*Drosophila*)

Citation: Salatiga, DOCTERS VAN LEEUWEN leg.

1 syntype ♀: Java 1909 Salatiga Doct. v. Leeuwen / *Dr. latifasciata* det. De Meijere Type.

1 syntype ♀: Java Salatiga Doct. v. Leeuwen / *Drosophila latifascia* d. M. det. De Meijere .

limbipennis De Meijere, 1908:156 (*Drosophila*)

Citation: Semarang, einige Exemplare, Jacobson leg.

1 syntype ♀: E. Jacobson Semarang Java / *Drosophila limbipennis* d. Meij. Type / G. Bächli vident 1967 No. 4553.

1 syntype ♂: Semarang Jacobson leg. / G. Bächli vident 1967 No. 4554.

1 syntype ♀: Java Jacobson / G. Bächli vident 1967 No. 4556.

Comment: This species is now included in *Leucophenga*. The three syntypes are probably not conspecific.

lineata De Meijere, 1911:420 (*Stegana*)

Citation: Java: Gunung Pantjar nahe Buitenzorg, März, 3 Exx. Jacobson leg.

1 syntype ♂: E. Jacobson Goenoeng Pantjar Buitenzorg Maart 1908 / *Stegana linetata* det. De Meijere Type.

1 syntype ♀: E. Jacobson Goenoeng Pantjar Buitenzorg Maart 1908 / *Stegana linetata* d. M. det. De Meijere.

1 syntype ♀: E. Jacobson Goenoeng Pantjar Buitenzorg Maart 1908.

Comment: The present name of this species is *Zaprionus multistriatus* Duda, 1923.

lineolata De Meijere, 1914:254 (*Drosophila*)

Citation: Gunung Gedeh, März, JACOBSON leg.

1 syntype ♂: E. Jacobson Goenoeng Gedeh Java Maart 1911 / *Drosophila lineolata* det. De Meijere Type.

lugubrina Duda, 1924:224 (*Drosophila*)

Citation: Europa.

2 paralectotypes ♀♀ (on 1 pin): 24. 4. 21 / *Dros. ♂♀ lugubrina* Det. Dr. O. Duda.

Comment: This is considered to be a synonym of *Drosophila littoralis* Meigen, 1830.

maculiceps Duda, 1924:183 (as *Phortica variegata* var. *maculiceps* De Meijere, i. litt.)

Citation: Sumatra.

1 syntype ♂: 7016 / E. Jacobson Sum. Air Njuruk Dempu 1400 M. 8. 1916 / *Drosophila maculiceps* det. De Meijere Type.

1 syntype ♀: Air Njuruk Dempu Sum. 1400 M. 6. 1916 Edw. Jacobson / *Phortica variegata* Det. Dr. O. Duda.

Comment: This species is now included in *Amiota*.

maculiventris De Meijere, 1908:155 (*Drosophila*)

Citation: Semarang, März, 1 Ex., Jacobson leg.

Holotype ♀: Java II. III. '06 Semarang Jacobson / *Drosophila guttiventris* det. De Meijere Type / G. Bächli vident 1967 No. 4545 / (head missing).

Comment: This is considered to be a synonym of *Leucophenga bellula* Bergroth, 1894.

maura De Meijere, 1911:406 (*Drosophila*)

Citation: Wonosobo (Java), Mai, Jacobson leg.

LECTOTYPE ♂: E. Jacobson Wonosobo Java Mei 1909 / *Drosophila maura* det. De Meijere Type / G. Bächli vident 1967 No. 4564 / (Lectotype by present designation).

Comment: This species is now included in *Pararhinoleucophenga*.

meijerei Duda, 1924:224 (*Acletoxenus*)

Citation: Java.

1 syntype ♂: E. JACOBSON Samarang Java Dec. 1909 / *Acletoxenus javanus* ♂ n. sp. d. Duda / Duda Syst.

Dros. 1924 p. 224 ... *mejerei* n. sp. aus Java.

menisigra Bächli, 1974:309 (*Drosophila*)

Holotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *seminigra* Duda ♂ det. O. Duda 1926 Cotype! / *D. (H.) menisigra* Holotypus ♂ H 364 G. Bächli det. 1972.

1 paratype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *seminigra* Duda ♂ det. O. Duda 1926 Cotype! / *D. (H.) menisigra* Paratypus ♂ H 366 G. Bächli det. 1972.

metallescens De Meijere, 1914:265 (*Drosophila*)

Citation: Semarang, März, JACOBSON leg.

1 syntype ♂: E. JACOBSON Samarang Java Mrt 1910 / *Drosophila metallescens* det. De Meijere Type / (head missing).

Comment: This species is now included in *Lissocephala*.

minuta Duda, 1926:70 (*Drosophila dentata* var. *minuta*)

Citation: ... zahlreiche ♂♂♀♀ aus Fort de Kock.

1 paralectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila dentata* Duda var. *minuta* Duda ♂ det. O. Duda 1926 Cotype! / *D. (H.) hirtominuta* Duda Paratype ♂ H 377 G. Bächli det. 1972.

Comment: The present name of this species is *Drosophila hirtominuta* Bächli, 1974.

montium De Meijere, 1916:205 (*Drosophila*)

Citation: Tjibodas, 5000-6000 Fuss, KONINGSBERGER leg.

LECTOTYPE ♂: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila montium* det. De Meijere Type / ♂ H. Burla / (Lectotype by present designation; right wing, 3 legs, abdomen and genitalia to 2 slide preparations).

1 paralectotype ♀: Tjibodas 5000-6000' Koningsberger 1913 / ♀ H. Burla.

1 paralectotype ♀: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila montium* d. M. det. De Meijere.

2 paralectotypes ♀♀: Tjibodas 5000-6000' Koningsberger 1913.

nigra De Meijere, 1908:153 (*Drosophila*)

Citation: Semarang, März, einige Exemplare, Jacobson leg.

1 lectotype ♂, 3 paralectotypes ♂♂ (on 1 pin): Java III. '06 Semarang Jacobson / op rottend vlusch / *Drosophila nigra* de Meij. Type / *Drosophila nigra* Meijere 1908 Lectotype désigné par L. Tsacas, 1987.

1 paralectotype ♂: Java III. '06 Semarang Jacobson.

2 paralectotypes ♂♂ (on 1 pin): Java III. '06 Semarang Jacobson.

6 paralectotypes ♂♂ (on 1 pin): Java Jacobson.

Comment: The present name of this species is *Drosophila mejerei* Wheeler, 1959.

nigra Duda, 1926:68 (*Drosophila latifrons* var. *nigra*)

Citation: ... 5 ♂♂, 5 ♀♀ aus Fort de Kock.

1 paralectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *nigra* Duda det O. Duda 1926 Cotype / *D. (H.) hirtominigra* Paratypus ♂ H 413 G. Bächli det. 1972.

1 paralectotype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *nigra* Duda det O. Duda 1926 Cotype / *D. (H.) hirtominigra* Paratypus ♀ H 414 G. Bächli det. 1972.

Comment: The present name of this species is *Drosophila hirtominigra* Bächli, 1974.

nigrifrons De Meijere, 1911:418 (*Stegana*)

Citation: Batavia, März, August, Jacobson leg.

1 syntype ♀: E. Jacobson Batavia Java Maart 1908 / *Stegana nigrifrons* det. De Meijere Type.

3 syntypes ♂♀: E. Jacobson Batavia Java Maart 1908.

4 syntypes ♂♀ (on 1 pin): E. Jacobson Batavia Java Maart 1908.

nigrofemorata Duda, 1926:110 (*Drosophila*)

Citation: ... 5 ♂♂, 5 ♀♀ aus Fort de Kock.

1 syntype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *nigrofemorata* ♀ d. Duda / *Drosophila nigrofemorata* ♀ Duda det. O. Duda 1926 Cotype!

1 syntype missing (empty pin).

obscura De Meijere, 1911:424 (*Amphoroneura*)

Citation: Batavia, März, August, Jacobson leg.

1 syntype ♀: E. Jacobson Batavia Aug. 1908 / *obscura* det. De Meijere Type.

1 syntype ♀: E. Jacobson Batavia Aug. 1908 / *Amphoroneura obscura* d. M. det. De Meijere / phot. / (right wing missing).

1 syntype ♀: E. Jacobson Batavia Aug. 1908.

1 syntype ♀: E. Jacobson Batavia Java Maart 1908.

Comment: This species is now included in *Chymomyza*.

obscurata De Meijere, 1911:410 (*Drosophila*)

Citation: Wonosobo, April, Jacobson.

1 syntype ♂: E. Jacobson Wonosobo Java Apr 1909 / *Drosophila obscurata* det. De Meijere Type.

1 syntype ♀: E. Jacobson Wonosobo Java Apr 1909 / *Drosophila obscurata* d. M. det. De Meijere.

1 syntype ♀: E. Jacobson Wonosobo Java Apr 1909.

obscuricornis De Meijere, 1916:94 (*Stegana*)

Citation: Fort de Kock, October, 1 Ex.

Holotype ♀: 5593 / Edw. Jacobson Fort de Kock Sum. 10. 1913 / *Stegana obscuricornis* det. De Meijere Type.

Comment: This species is now included in *Zaprionus*. The specimens from Fort de Kock (Duda, 1926) are not

conspecific.

ochrifrons Duda, 1924:258 (*Drosophila*)

Citation: ... 3 ♂ 10 ♀, labelled "Fort de Kock Sumatra 920 M X. 1920. leg. E. Jacobson".

1 syntype ♂: Fort de Kock (Sumatra) 920 M. Okt. 1920 leg. E. Jacobson / *Drosophila ochrifrons* ♂ Det. Dr. O. Duda.

1 syntype ♀: Fort de Kock Sumatra Okt. 1920 Jacobson / *D. ochrifrons* n. sp. ♀ Det. Dr. O. Duda / phot. / (left wing missing).

11 syntypes ♂♀: Fort de Kock Sumatra Okt. 1920 Jacobson.

ornatipennis De Meijere, 1914:256 (*Drosophila*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

LECTOTYPE ♂: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Drosophila ornatipennis* det. De Meijere Type / G. Bächli vidit 1967 No. 4585 / (Lectotype by present designation).

Comment: The present name of this species is *Leucophenga ornata* Wheeler, 1959.

parabrunnea Tsacas and Chassagnard, 1976:92 (*Drosophila*)

Holotype ♂: Edw. Jacobson Pulu Babi Sim. Sum. 4. 1913 / 3201 / *Drosophila (Scaptodrosophila) parabrunnea* n. sp. Holotype ♂ L. Tsacas & M. T. Chassagnard det. 1974 .

1 paratype ♀: Edw. Jacobson Pulu Babi Sim. Sum. 4. 1913 / 3217.

1 paratype ♂: Edw. Jacobson Kalung Sum. 12. 1913 / 6112.

1 paratype ♂: Edw. Jacobson Sinabang Simalur II. 1913 / 1716.

1 paratype ♀: Sungai Kumbang Sum. 9. 1915 Edw. Jacobson.

1 paratype ♂: Edw. Jacobson Goenoeng Oengaran Java Sept. 1910.

1 paratype ♀: Edw. Jacobson Nongkodjadjar Java Jan 1911.

1 paratype ♂: Tjibodas 5000-6000' Koningsberger 1913.

1 paratype ♂: Java Salatiga V. 1909 Doct. v. Leeuwen.

1 paratype ♂: Suban Ajam Sum. 7. 1916 Edw. Jacobson / phot./ (left wing missing).

paradentata Bächli, 1974:286 (*Drosophila*)

1 Paratype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *dentata* ♀ / *Dasydrosophila dentata* Duda ♀ det. O. Duda 1926 / *D. (H.) paradentata* Paratypus ♀ H 375 G. Bächli det. 1972.

parallelinervis Duda, 1924:251 (*Phortica*)

Citation: ... 1 ♀ labelled: "Semarang, Java, Jacobson leg. III. 05".

Holotype ♀: Semarang Java Jacobson leg. III. 05 / *Phorti-*

ca parallelinervis n. sp. d. Duda.

Comment: This species is now included in *Amiota*.

pictipes De Meijere, 1911:411 (*Drosophila*)

Citation: Wonosobo, April. Jacobson leg.

1 syntype ♂: E. Jacobson Wonosobo Java Apr 1909 / *Drosophila pictipes* det. De Meijere Type.

1 syntype ♀: E. Jacobson Wonosobo Java Apr 1909 / *Drosophila pictipes* d. M. det. De Meijere / (head missing).

2 syntypes ♂♀: E. Jacobson Wonosobo Java Apr 1909.

Comment: This species is now included in *Dettopsomyia*.

pictula De Meijere, 1911:412 (*Drosophila*)

Citation: Batavia, November, Dezember, Jacobson leg.

1 syntype ♀: E. Jacobson Batavia Dec 1908 / *Drosophila pictula* det. De Meijere Type.

1 syntype ♀: E. Jacobson Batavia Nov. 1908 / *Drosophila pictula* d. M. det. De Meijere / phot. / (right wing missing).

Comment: This species is now included in *Paramycodrosophila*.

pilicrus Duda, 1926:74 (*Drosophila*)

Citation: 3 ♂♂, 4 ♀♀ aus Fort de Kock.

2 syntypes ♂♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Paradrosophila pilicrus* Duda det. O. Duda 1926 Cotype!

pistilicola Carson & Okada, 1980:18 (*Drosophilella*)

1 paratype ♀: Lae Papua New Guinea 30 VIII 1977 H. L. Carson / 83022 / *Drosophilella pistilicola* Carson & Okada ♀ (MS).

1 paratype ♂: R. Garagos, Lae P. New Guinea 28 IX 1977 T. Okada / 92903 ♀ / *Drosophilella pistilicola* Carson & Okada (MS).

plurilineata Villeneuve, 1911:83 (*Drosophila*)

Citation: ... pendant les mois de décembre et de janvier derniers ... à l'Institut Pasteur de Paris.

2 syntypes ♂♀ (on 1 pin): Paris I. 1911 / *Drosophila plurilineata* type Villen.

Comment: This is a synonym of *Drosophila busckii* Coquillett, 1901.

poecilogastra Duda, 1926:69 (*Drosophila latifrons* var. *poecilogastra*)

Citation: ... 3 ♂♂ (Fort de Kock)

Lectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / auf Pilzen / *poecilogastra* ♂ d. Duda, Type / *Dasydrosophila latifrons* Duda var. *poecilogastra* Duda ♂ det. O. Duda 1926 Type / *D. (H.) poecilogastra* Duda Holotypus H 412 G. Bächli det. 1972.

preciosa De Meijere, 1911:410 (*Drosophila*)

Citation: Batavia, März, Jacobson leg.

1 syntype ♀: E. Jacobson Batavia Java Maart 1908 / *Drosophila preciosa* det. De Meijere Type.

1 syntype ♀: E. Jacobson Batavia Java Maart 1908 / *Drosophila preciosa* d. M. det. De Meijere / phot / (right wing missing).

2 syntypes ♀: E. Jacobson Batavia Java Maart 1908.

Comment: This species is now included in *Dettopsomyia*.

pressobrunnea Tsacas & Chassagnard, 1976:93 (*Drosophila*)

Holotype ♂: Ex etiquette: Edw. Jacobson BUS Pad. Bov. Sum. 3. 1914 L. Tsacas 1974 / *Drosophila (Scaptodrosophila) pressobrunnea* n. sp. Holotype ♂ L. Tsacas & M. T. Chassagnard det. 1974.

1 paratype ♂: Edw. Jacobson BUO Pad. Bov. Sum. 3. 1914 / *Drosophila brunnea* de Meij. / *Drosophila (Scaptodrosophila) pressobrunnea* n. sp. Paratype ♂ L. Tsacas & M. T. Chassagnard det. 1974.

2 paratypes ♂♀ (on 1 pin): BUO Pad. Bov. E. Jacobson / *Drosophila brunnea* de Meij. / *Drosophila (Scaptodrosophila) pressobrunnea* n. sp. Paratype L. Tsacas & M. T. Chassagnard det. 1974.

2 paratypes ♂♀: Ex etiquette: Edw. Jacobson BUO Pad. Bov., Sum. 3. 1914 L. Tsacas / *Drosophila (Scaptodrosophila) pressobrunnea* n. sp. Paratype L. Tsacas & M. T. Chassagnard det. 1974.

1 paratype ♀: Edw. Jacobson BUO Pad. Bov. Sum. 2. 1914 / *Drosophila (Scaptodrosophila) pressobrunnea* n. sp. Paratype ♀ L. Tsacas & M. T. Chassagnard det. 1974.

pugionata De Meijere, 1916:56 (*Drosophila*)

Citation: Sinabang, Februar.

1 syntype ♂: Edw. Jacobson Sinabang Simalur Sum. II. 1913 / 1888 / / *Drosophila pugionata* det. De Meijere Type.

14 syntypes ♂♀: Edw. Jacobson Sinabang Simalur Sum. II. 1913.

4 syntypes ♂♀: Simalur Jacobson.

pumilio De Meijere, 1908: 153 (*Drosophila*)

Citation: Semarang, März, 2 Exx. auf faulem Fleisch erbeutet, Jacobson leg.

1 syntype ♀: op rotten vlusch / Java II. III. '06 Semarang Jacobson / *Drosophila pumilio* d. Meij. Type.

punctipennis Van der Wulp, 1881:56 (*Discomyza*)

Citation: 4 Ex., te Soepajang en Solok in April.

1 syntype ♂: Sumatra exp. / Solok 4-77 / *Discomyza punctipennis* / (head, a part of the thorax and some legs missing).

Comment: This is considered to be a synonym of *Drosophila lurida* Walker, 1860.

pusilla De Meijere, 1911:423 (*Camilla*)

Citation: Batavia, März; Semarang, April, Jacobson leg.

1 syntype ♀: E. Jacobson Samarang Java Apr 1909 / *Camilla pusilla* det. De Meijere Type.

1 syntype ♂: E. Jacobson Batavia Java Maart 1908 / *Camilla pusilla* d. M. det. De Meijere .

1 syntype ♀: E. Jacobson Samarang Java Apr 1909.

Comment: This species is now included in *Liodrosophila*.

quadrilineata De Meijere, 1911:396 (*Drosophila*)

Citation: Semarang, April, Jacobson leg.

1 syntype ♂: E. Jacobson Samarang Apr 1909 / *Drosophila quadrilineata* d. M. det. De Meijere / *Chaetodrosophila* Det. Dr. O. Duda.

3 syntypes ♀♀: E. Jacobson Samarang Apr 1909.

quadripunctata De Meijere, 1908:154 (*Drosophila*)

Citation: Semarang, Januar-März, einige Exemplare, Jacobson leg.

LECTOTYPE ♀: Java II. III. '06 Semarang Jacobson / *Drosophila 4-punctata* d. Meij. Type / G. Bächli vidit 1967 No. 4544 / (Lectotype by present designation).

1 paralectotype ♂: Java II. III. '06 Semarang Jacobson / G. Bächli vidit 1967 No. 4539.

Comment: This species is now included in *Leucophenga*.

quadriradiata Duda, 1923:46 (*Paradrosophila*)

Citation: ... 1 ♀, labelled "E. Jacobson, Semarang, Java, Mrt. 1910".

1 syntype ♀: E. JACOBSON Samarang Java Mrt 1910 / *Paradrosophila 4-radiata* ♀ Det. Dr. O. Duda.

Comment: This species is now included in *Drosophila*.

quadriseriata Duda, 1924:255 (*Drosophila*)

Citation: 1 ♂, labelled "Oengafan Java, E. Jacobson Goenoeng Oengafan, Java, IX.1910".

Holotype ♂: E. JACOBSON Goenoeng Oengaran Java Sept. 1910 / *D. quadriseriata* n. sp. / phot / (left wing missing).

ruberrima De Meijere, 1911:403 (*Drosophila*)

Citation: Java: Depok, October, Jacobson leg.

1 syntype ♂: Depok Java X. 07 Jacobson / *Drosophila ruberrima* det. De Meijere Typus.

1 syntype ♂: Depok Java X. 07 Jacobson / *Drosophila ruberrima* d. M. det. De Meijere .

rufithorax De Meijere, 1911:424 (*Amphoroneura*)

Citation: Batavia, August; Semarang, Januar, Jacobson leg.

1 syntype ♀: E. Jacobson Batavia Aug. 1908 / *rufithorax* det. De Meijere Type.

1 syntype ♀: E. Jacobson Batavia Aug. 1908.

1 syntype ♂: Java I. '06 Semarang Jacobson / *Amphoroneura rufithorax* de Meij.

Comment: This species is now included in *Chymomyza*.

rugulosa De Meijere, 1914:269 (*Camilla*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

1 syntype ♀: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Camilla rugulosa* det. De Meijere Type.Comment: This species is now included in *Liodrosophila*.**salatigae** De Meijere, 1914:260 (*Drosophila*)

Citation: Salatiga, Mai, DOCTERS VAN LEEUWEN leg.

LECTOTYPE ♀: Java V. 1909 Salatiga Doct. v. Leeuwen / *Drosophila salatigae* det. De Meijere Type / G. Bächli vidit 1967 No. 4565 / (Lectotype by present designation).

1 paralectotype ♀: Java 1909 Salatiga Doct. v. Leeuwen / G. Bächli vidit 1967 No. 4566.

Comment: This species is now included in *Leucophenga*.**scutellaris** Duda, 1929:420 (*Drosophila*)

Citation: Buru ... zwei ♂♂, vier ♀♀, Station 9, 18.V. 10. V. und 12. VII. 1921.

1 syntype ♂: Buru 1921 Station 9 leg. L. J. Toxopeus, 18-V / *Drosophila scutellaris* n. sp. ♂ Typus det. Duda.2 syntypes ♀♀: Buru 1921 Station 9 leg. L. J. Toxopeus, 18-V / *D. scutellaris* n. sp. ♀ Typus det. Duda.**scutellata** De Meijere, 1911:420 (*Stegana*)

Citation: Batavia, März, 1 Ex. Jacobson leg.

Holotype ♂: Batavia Maart Jacobson / *Stegana scutellata* det. De Meijere Type.**semiatra** De Meijere, 1914:265 (*Drosophila*)

Citation: Salatiga, DOCTERS VAN LEEUWEN leg.

1 syntype ♂: Java Salatiga Doct. v. Leeuwen / *Dr. semiatra* det. De Meijere Type / (wings and genitalia damaged).**seminigra** Duda, 1926:68 (*Drosophila latifrons* var. *seminigra*)

Citation: ... 25 ♂♂, 9 ♀♀ (Fort de Kock).

1 paralectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / v. *seminigra* d. Duda / *Dasydrosophila latifrons* Duda var. *seminigra* ♀ Duda ♀ det. O. Duda 1926 Cotype! / *D. (H.) seminigra* Duda Paratype ♂ H 365 G. Bächli det. 1972.**senilis** Duda, 1926:91 (*Drosophila*)

Citation: 3 ♂♂, 7 ♀♀ aus Fort de Kock, Sumatra.

1 syntype ♂: *M. senilis* ♂ d. Duda / *Macropalpus senilis* ♂ Duda det. O. Duda 1926 Cotype.1 syntype ♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Macropalpus senilis* n. sp. ♀ d. Duda 1926.**separata** De Meijere, 1911:406 (*Drosophila*)

Citation: Semarang, Dezember, 1 ♀ auf Polyporus, Jacobson leg.

Holotype ♂: 1388 / E. JACOBSON Samarang JAVA Dec 1909 / *Drosophila separata* det. De Meijere Type.Comment: This species is now included in *Mycodrosophila*.**silvata** De Meijere, 1916:206 (*Drosophila*)

Citation: Tjibodas, 5000-6000 Fuss, KONINGSBERGER leg.

1 syntype ♂: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila silvata* det. De Meijere Type.1 syntype ♂: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila silvata* d. M. det. De Meijere.

1 syntype ♂: Tjibodas 5000-6000' Koningsberger 1913.

simplex De Meijere, 1914:266 (*Drosophila*)

Citation: Salatiga, DOCTERS VAN LEEUWEN leg.; Nongkodjadjar, Januar; Wonosobo, Mai, JACOBSON leg.

1 syntype ♂: Java Salatiga Doct. v. Leeuwen / *Drosophila simplex* det. De Meijere Type.

1 syntype ♀ E. Jacobson Nongkodjadjar JAVA Jan 1911

1 syntype ♀: E. Jacobson Wonosobo Java Mei 1909 / *Drosophila simplex* d. M. det. De Meijere.**stamenicola** Carson & Okada, 1980:16 (*Drosophilella*)2 paratypes ♂♀: R. Garagos, Lae P. New Guinea 28 IX 1977 T. Okada / 47902 / *Drosophilella stamenicola* Carson & Okada (MS).**strigifrons** De Meijere, 1914:264 (*Drosophila*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

2 syntypes ♀♀ (on 1 pin): E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Drosophila strigifrons* det. De Meijere Type.1 syntype ♀: Nongkodjadjar Java I. 1911 Jacobson / *Drosophila strigifrons* d. M. det. De Meijere.**subfasciata** De Meijere, 1914:257 (*Drosophila*)

Citation: Nongkodjadjar, Januar, JACOBSON leg.

1 syntype ♀: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Dr. subfasciata* det. De Meijere Type / (head missing).**sublineata** Duda, 1926:69 (*Drosophila latifrons* var. *sublineata*)

Citation: ... massenhaft ♂♂♀♀œ (Fort de Kock).

3 paralectotypes ♂♀ (on 1 pin): Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Dasydrosophila latifrons* Duda var. *sublineata* Duda det. O. Duda 1926 Cotype! / *D. (H.) sublineata* Duda Paratypus H 370-372 G. Bächli det. 1972.1 paralectotype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *carinata* v. *sublineata* ♂ d. Duda / *Dasydrosophila latifrons* Duda var. *sublineata* Duda ♂ det. O. Duda 1926 Cotype! / *D. (H.) sublineata* Paratypus ♂ H 373 G. Bächli det. 1972.**subpollinosa** De Meijere, 1914:263 (*Drosophila*)

Citation: Semarang, März, JACOBSON leg.

LECTOTYPE ♀: E. Jacobson Samarang Java Mrt. 1910 / *Dr. subpollinosa* det. De Meijere Type / G. Bächli vidit 1967 No. 4589 / (Lectotype by present designation).

1 paralectotype ♀: E. Jacobson Samarang Java Mrt. 1910 / *Drosophila subpollinosa* D. M. det. De Meijere / G. Bächli vidit 1967 No. 4591.

1 paralectotype ♂: Java, Semarang, Jacobson / G. Bächli vidit 1967 No. 4590.)

Comment: This species is now included in *Leucophenga*. The type designations of Bächli (1971) are herewith corrected.

substrigata De Meijere, 1914:268 (*Scaptomyza*)

Citation: Nongkodjadjar, Januar, Jacobson leg.

1 syntype ♂: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Sc. substrigata* det. De Meijere Type / (head, left wing and legs missing).

1 syntype ♀: E. Jacobson Nongkodjadjar JAVA Jan 1911 / *Scaptomyza substrigata* d. M. det. De Meijere / *Scaptomyza disticha* var. *flava* Det. Dr. O. Duda.

sumatrensis Duda, 1926:79 (*Drosophila*)

Citation: ... aus Fort de Kock 9 ♂♂, 6 ♀♀.

2 syntypes ♂♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1925 / *Paradrosophila sumatrensis* Duda det. O. Duda 1926.

1 syntype ♂: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1926 / *sumatrensis* ♂ d. Duda / *Paradrosophila sumatrensis* ♂ Duda det. O. Duda 1926.

tectifrons De Meijere, 1914:263 (*Drosophila*)

Citation: Semarang, Januar, Februar, Jacobson leg.

1 syntype: Semarang II. III. Jacobson / *Dr. tectifrons* det. De Meijere Type.

1 syntype: Java I. '06 Semarang Jacobson.

Comment: This species is now included in *Microdrosophila*.

tjibodas De Meijere, 1916:205 (*Drosophila*)

Citation: Tjibodas, 5000-6000 Fuss, 1 Ex., KONINGSBERGER leg.

Holotype ♂: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila tjibodas* det. De Meijere Type.

trifasciata De Meijere, 1916:206 (*Drosophila*)

Citation: Tjibodas, 5000-6000 Fuss, 1 Ex., KONINGSBERGER leg.

Holotype ♀: Tjibodas 5000-6000' Koningsberger 1913 / *Drosophila trifasciata* det. De Meijere Type.

triseta De Meijere, 1911:402 (*Drosophila*)

Citation: Java: Depok, October, Jacobson leg.; Salatiga, Mai, Docters v. Leeuwen leg.

1 syntype ♂: Depok (Java) X. 07 Jacobson / *Drosophila triseta* det. De Meijere Type.

1 syntype ♀: Depok (Java) X. 07 Jacobson / *Drosophila triseta* d. M. det. De Meijere

2 syntypes ♂♀ (on 1 pin): Java V. 1909 Salatiga Doct. v. Leeuwen.

tristipes Duda, 1924:257 (*Drosophila*)

Citation: 1 ♂ labelled "E. Jacobson Batavia, XII. 1908".

Holotype ♂: E. Jacobson Batavia Dec 1908 / *Dros. tristipes* ♂ nov. sp. d. Duda.

undulata De Meijere, 1911:419 (*Stegana*)

Citation: Java: Gunung Pantjar nahe Buitenzorg, 1 Ex., März; Batavia, 1 Ex. März, Jacobson leg.

1 syntype ♂: Batavia Maart '08 Jacobson / *Stegana undulata* det. De Meijere Type.

1 syntype ♂: E. Jacobson Goenoeng Pantjar Buitenzorg Maart 1908.

Comment: One additional specimen labelled "Batavia Maart '08 Jacobson" is supernumerary and therefore excluded from the syntype series.

ungarensis De Meijere, 1911:407 (*Drosophila*)

Citation: Gunung Ungaran, Dezember, einige Exemplare, Jacobson leg.

1 syntype ♂: E. JACOBSON Goenoeng Oengaran Java 1909 / *Dr. ungarensis* det. De Meijere Type.

1 syntype ♂: E. JACOBSON Goenoeng Oengaran Java 1909 / *Drosophila ungaranensis* d. M. det. De Meijere.

7 syntypes ♂♀: E. JACOBSON Goenoeng Oengaran Java 1909

2 syntypes ♂♀: Java Jacobson.

unicolor De Meijere, 1914:266 (*Drosophila*)

Citation: Gunung Ungaran, September, 1 Ex., JACOBSON leg.

Holotype ♂: E. JACOBSON Goenoeng Oengaran JAVA Sept. 1910 / *Drosophila unicolor* det. De Meijere Type.

Comment: The present name of this species is *Drosophila monicolor* Wheeler, 1981.

ustulata De Meijere, 1908: 157 (*Drosophila*)

Citation: Java, 1 Ex., Piepers leg.

Holotype ♂: Java Piepers / *Drosophila ustulata* d. Meij. Type.

varipes Duda, 1926:47 (*Phortica*)

Citation: ... 6 ♂♂, 3 ♀♀ aus Fort de Kock.

2 syntypes ♂♀: Fort de Kock (Sumatra) 920 M. leg. E. Jacobson 1926 / *Phortica varipes* Duda det. O. Duda 1926 Cotyple!

Comment: This species is now included in *Amiota*.

xanthogaster Duda, 1924:248 (*Drosophila*)

Citation: ... 1 ♂, 2 ♀ "Edw. Jacobson Suban Ajam, Sum. 7. 1919".

3 syntypes ♂♀ (on 1 pin): 7085 / Edw. Jacobson Suban
Ajam Sum. 7. 1916 / *Dros. xanthogaster* m. ♂♀ Det.
Dr. O. Duda.

xenolocasiae ♂♀ Okada, 1980:218 (*Drosophilella*)

2 paratypes : Wulai TAIWAN 2 VIII 1974 N. Watanabe /
11947 / *Drosophila* "colocasiae" of Okada nec Duda.

SYSTEMATICALLY ARRANGED LIST OF SPECIES

The species are listed in the original as well as in the present generic affiliation. Synonyms are given in parentheses.

Acletoxenus : *mejerei*

Amiota : *maculiceps*, *parallelinervis*, *varipes*

Amphoroneura : *obscura*, *rufithorax*

Camilla : *coeruleifrons*, *javana*, *pusilla*, *rugulosa*

Chymomyza : *cinctifrons*, *obscura*, *rufithorax*

Colocasiomyia : *cristata*

Curtonotum : *angustipenne*

Dettopsomyia : *acrostichalis*, *jacobsoni*, *pictipes*, *preciosa*

Discomyza : *punctipennis*

Drosophila : *abbreviata*, *albiceps*, *albicincta*, *albicornis*, *albincisa*, *albolimbata*, *albonotata*, *alternata*, *amabilis*, *angusta*, *angustipennis*, *argentata*, *argentina*, *atro-pyga*, *baseogrisea*, *bicolor*, *binotata*, *bistriata*, *brunnea*, *cincta*, *colocasiae*, *convergens*, *deflexa*, *dentata*, *flavissima*, *frontata*, *gibbosa*, *gracilis* (= *eugracilis*), *gratiosa*, *hirsuta*, *hirticornis*, *hypopygialis*, *inconspicua*, *isatoidea*, *jacobsoni*, *latifascia*, *limbipennis*, *lineolata*, *lugubrina* (= *littoralis*), *maculiventris*, *maura*, *menisigra*, *metallescens*, *minuta* (= *hirtominuta*), *montium*, *nigra* De Meijere (= *mejerei*), *nigra* Duda (= *hirtonigra*), *nigrofemorata*, *obscurata*, *ochrifrons*, *ornatipennis*, *parabrunnea*, *paradentata*, *pictipes*, *pictula*, *pilicrus*, *plurilineata* (= *busckii*), *poecilogastra*, *preciosa*, *pressobrunnea*, *pugionata*, *pumilio*, *punctipennis* (= *lurida*), *quadrilineata*, *quadripunctata*, *quadriradiata*, *quadriseriata*, *ruberrima*, *salatigae*, *scutellaris*, *semiata*, *seminigra*, *senilis*, *separata*, *silvata*, *simplex*, *strigifrons*, *subfasciata*, *sublineata*, *subpollinosa*, *sumatrensis*, *tectifrons*, *tjibodas*, *trifasciata*, *triseta*, *tristipes*, *ungarensis*, *unicolor* (= *monocolor*), *ustulata*, *xanthogaster*

Drosophilella : *alocasiae*, *colocasiae*, *pistilicola*, *stamenicola*, *xenolocasiae*

Hypselothyrea : *dimidiata*, *guttata*

Leucophenga : *abbreviata*, *albiceps*, *albicincta* (= *albofasciata*), *argentata*, *argentina*, *cincta*, *gibbosa*, *limbipennis*, *maculiventris* (= *bellula*), *ornatipennis* (= *ornata*), *quadripunctata*, *salatigae*, *subpollinosa*

Liodrosophila : *coeruleifrons*, *contracta*, *pusilla*, *rugulosa*

Lissocephala : *bicolor*, *binotata*, *metallescens*

Microdrosophila : *bimaculata*, *frontata*, *tectifrons*

Mycodrosophila : *albicornis*, *amabilis*, *gratiosa*, *separata*

Paradrosophila : *flavissima*, *quadriradiata*

Paramycodrosophila : *pictula*

Pararhinoleucophenga : *maura*

Phortica : *maculiceps*, *parallelinervis*, *varipes*

Phorticella : *bistriata*, *fenestrata*

Protostegana : *annulosa*

Scaptomyza : *bimaculata*, *substrigata*

Sphaerogastrella : *javana*

Sphyrnoceps : *brunnea*

Stegana : *annulosa*, *brunnescens* (= *lateralis*), *convergens*, *lineata*, *nigrifrons*, *obscuricornis*, *scutellata*, *undulata*

Tanygastrella : *gracilis*, *hypopygialis*

Zaprionus : *lineatus* (= *multistriatus*), *obscuricornis*

REFERENCES

- BÄCHLI, G., 1971, *Leucophenga* und *Paraleucophenga* (Diptera Brachycera), Fam. Drosophilidae. Exploration du Parc National de l'Upemba.- Mission G.F. de Witte, 71: 1-192.
- BÄCHLI, G., 1974, Revision der von Duda beschriebenen südostasiatischen Arten des *Drosophila*-Subgenus *Hirtodrosophila* (Diptera: Drosophilidae).- Mitt. zool. Mus. Berlin, 49: 267-315
- BÄCHLI, G., 1984a, Die Drosophiliden-Typen der Dipteren-sammlung des Zoologischen Museum in Berlin.- Mitt. Zool. Mus. Berlin, 60: 229-261.
- BÄCHLI, G., 1984b, Catalog of the types of Drosophilidae in the Hungarian Natural History Museum, Budapest (Diptera).- Folia ent. hung., 45: 27-41.
- CARSON, H.L., and OKADA, T., 1980, Drosophilidae associated with flowers in Papua New Guinea. I. *Colocasia esculenta*.- Kontyu, 48: 15-29.
- DUDA, O., 1923, Die orientalischen und australischen Drosophiliden-Arten (Dipteren) des Ungarischen National-Museums zu Budapest.- Ann. hist.-nat. Mus. natn. hung., 20: 24-59.
- DUDA, O., 1924a, Beitrag zur Systematik der Drosophiliden unter besonderer Berücksichtigung der paläarktischen u. orientalischen Arten (Dipteren).- Arch. Naturgesch., 90(A)3: 172-234.
- DUDA, O., 1924b, Die Drosophiliden (Dipteren) des Deutschen Entomologischen Institutes d. Kaiser Wilhelm-Gesellschaft (früheres Deutsches Entomologisches Museum) aus H. SAUTER's Formosa-Ausbeute.- Arch. Naturgesch., 90(A)3: 235-259.
- DUDA, O., 1926, Fauna sumatrensis (Beitrag Nr. 26). Drosophilidae (Dipt.). Suppl. ent., 14: 42-116.
- DUDA, O., 1929, DIPTERA, Acalyprata.- Treubia, 7: 415-422.
- MEIJERE, J.C.H. DE, 1906, Über einige indo-australische Dipteren des Ungarischen National-Museums, bez. des Naturhistorischen Museums zu Genua.- Annls hist.-nat. Mus. natn. hung., 4: 165-196.
- MEIJERE, J.C.H. DE, 1908, Studien über südostasiatische Dipteren. II.- Tijdschr. Ent., 51: 105-180.
- MEIJERE, J.C.H. DE, 1911, Studien über südostasiatische Dipteren. VI.- Tijdschr. Ent., 54: 258-432.

MEIJERE, J.C.H. DE, 1914, Studien über südostasiatische Dipteren. IX.- Tijdschr. Ent., 57: 137-275.
 MEIJERE, J.C.H. DE, 1916a, Fauna Simalurensis-Diptera.- Tijdschr. Ent., 58 (Suppl.): 1-63.
 MEIJERE, J.C.H. DE, 1916b, Studien über südostasiatische Dipteren. X.- Tijdschr. Ent., 58 (Suppl.): 64-97.
 MEIJERE, J.C.H. DE, 1916c, Studien über südostasiatische Dipteren. XI. Zur Biologie einiger javanischen Dipteren nebst Beschreibung einiger neuen javanischen Arten.- Tijdschr. Ent., 59: 184-213.
 MEIJERE, J.C.H. DE, 1924, Studien über südostasiatische Dipteren. XV. Dritter Beitrag zur Kenntnis der sumatranischen Dipteren.- Tijdschr. Ent., 67 (Suppl.): 1-64.
 OKADA, T., 1975, The Oriental drosophilids breeding in flowers.- Kontyu, 43: 356-363.
 OKADA, T., 1980, Synhospitolic evolution of the genus

Drosophilella DUDA (Diptera, Drosophilidae), with description of a new species from Okinawa and Taiwan.- Kontyu, 48: 218-225.
 TSACAS, L., and CHASSAGNARD, M.-T., 1976, Identité de *Drosophila brunnea* De Meijere et description de nouvelles espèces orientales et africaines à pointe du scutellum blanche (Diptera, Drosophilidae). Bull. zool. Mus. Univ. Amsterdam, 5:89-105.
 VILLENEUVE J., 1911, Description de deux nouveaux diptères.- Wien. ent. Ztg., 30: 81-84.
 WHEELER, M.R., 1981, The Drosophilidae: A taxonomic Overview. In: Ashburner, M., Carson, H.L., and Thompson, J.N., (eds.), The Genetics and Biology of *Drosophila*, Vol. 3a: 1-97. (Academic Press, London).
 WULP, F.M. VAN DER, 1881, Diptera (Midden-Sumatra Exped. IV (2)).- Natuurl. Hist., 9: 1-60.

G. Bächli
 Zoological Museum
 University of Zürich-Irchel
 Winterthurerstrasse 190
 CH-8057 Zürich
 Switzerland.

Received : 27 July 1987
 Distributed: 17-XII-1987