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A Nomenclatural Study of the Genus *Drosophila*

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About 1934 Dr. Patterson began studying the local species of *Drosophila* with a view to finding additional species which might serve as experimental animals in studies of comparative genetics. By 1938 it was apparent that there were many more species in the Austin area than had been supposed, and that many of them were undescribed. With the aid of Prof. A. H. Sturtevant the species were studied taxonomically as well as genetically, and a new phase of genetics research at the University of Texas began.

In those early days various graduate students assisted Dr. Patterson in the field collecting, for example Dean Parker, John Carpenter, Gordon Mainland, Robert Wagner, William Baker and myself. The taxonomic results of these collections were summarized in 1942 in the University of Texas Publication 4213 in which 46 new species were described. A resurgence of interest in *Drosophila* systematics followed this publication, as is shown from the data presented in Figure 1—a resurgence which has not yet lost its momentum. It is clearly evident that Dr. Patterson's influence in this field has been tremendous, and I feel that it is a distinct privilege to contribute this article to a volume honoring the man who was not only responsible to a considerable degree for the healthy development of modern *Drosophila* systematics, but who was also largely responsible for my own interest in it.

THE GENUS DROSOPHILA

The famous dipterist, C. F. Fallén, established the genus *Drosophila* in 1823 for *Musca funebris* Fabricius and the following eleven new Swedish species: *curvipennis*, *variegata*, *fenestrarum*, *transversa*, *obscura*, *tristis*, *fuscula*, *cinerella*, *flava*, *gramium*, and *glabra*. In addition to *funebris*, which was designated as the type species by Zetterstedt in 1847,* only five of Fallén's species are still considered as belonging to *Drosophila*: *fenestrarum*, *transversa*, *obscura*, *tristis*, and *flava*.

In the years immediately following Fallén's description of the genus a few new species were added sporadically but many of them were, in turn, relegated to other genera. In later years, however, and in spite of the narrowing concept of the generic limits, the growth of the genus has been remarkable. Figure 1 illustrates the number of species described in the genus by decades since 1823, as well as the number still considered to be valid members of the genus (the difference between the numbers in each sector). Relatively few species have been placed in *Drosophila* after being described in other genera; these species have not been tabulated.

* The earlier designation of *Drosophila cellaris* as the type species, by Curtis in 1833 and by Westwood in 1840, was invalid since *cellaris* was not an originally included species.

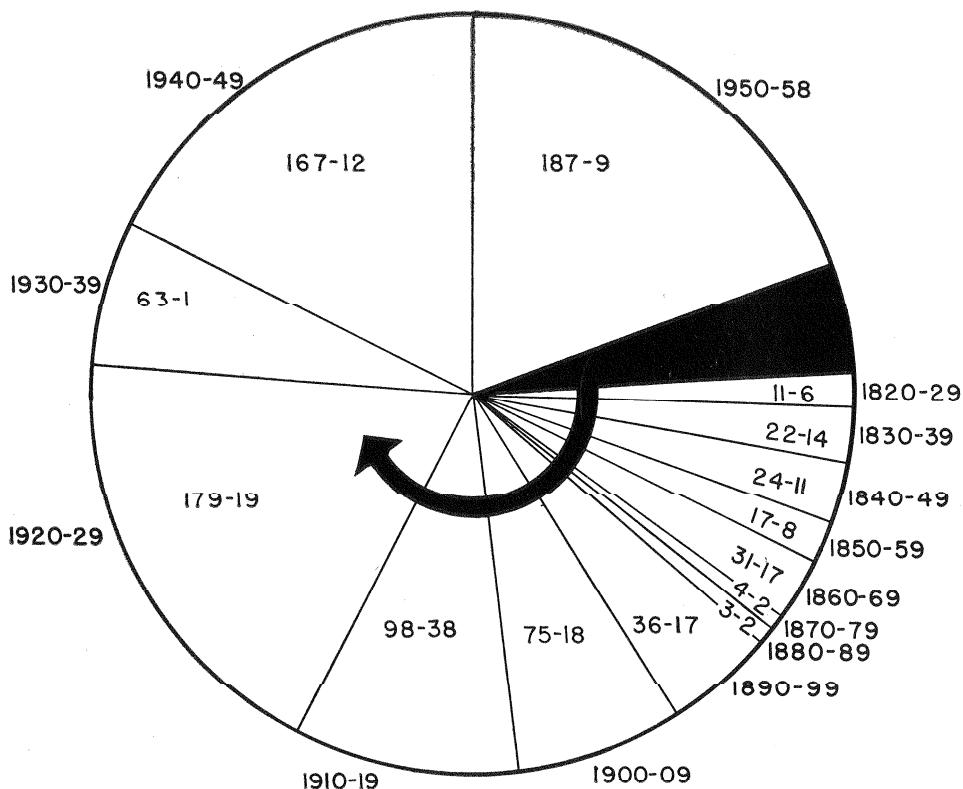


FIG. 1. Diagram illustrating the number of species described in *Drosophila* by decades since 1823. Numbers within the sectors represent the number of described species less the number no longer considered valid members of the genus by reason of generic transfer or synonymy.

At the time of writing, 920 species have been described in the genus *Drosophila*, about 85% of them since 1900. The spectacular peak of 179 species named between 1920 and 1929 represents, primarily, the efforts of three men, O. Duda, J. R. Malloch, and A. H. Sturtevant. Nearly 40% of the known species have been described since 1940, thus reflecting the renewed interest of many workers in many lands who are engaged in analyzing the multitude of species which inhabit the earth.

New Names Proposed for Junior Homonyms

In assembling the catalogue list which follows, instances of both primary and secondary homonymy have been found. The Rules of Nomenclature require that junior primary homonyms are to be corrected whenever discovered while junior secondary homonyms need substitute names only if a true biological homonymy is considered to exist. I am therefore proposing new names for all junior primary homonyms in the genus known to me, but action regarding most secondary homonyms is being postponed pending further biological information. Since names proposed for "varieties" will ultimately be ruled equivalent to subspecific names, nomenclaturally, then another series of primary homonyms will exist; these can be corrected when the need arises.

***Drosophila (Hirtodrosophila) unicolorata* Wheeler, nom. nov.**

For *Hirtodrosophila unicolor* Malloch 1934 (Ins. Samoa, Pt. 6:293); = *Drosophila unicolor*, Patterson and Wheeler 1949, Harrison 1954.

Not *Drosophila unicolor* de Meijere 1914 (Tijd. Ent. 57:266).

The two species concerned are clearly referable to the genus *Drosophila*; I am therefore rejecting the junior name, *unicolor* Malloch, and proposing the substitute name, *unicolorata*. Malloch stated that although *Hirtodrosophila* was proposed as a subgenus of *Drosophila*, he felt that it was worthy of generic rank. Recent workers, however, consider it to be a valid subgenus.

***Drosophila tendata* Wheeler, nom. nov.**

For *Drosophila dentata* Duda 1927 (Arch. Naturg. 91A12 (1925):145; 201).

Not *Drosophila longecrinita* var. *dentata* Duda 1924 (Arch. Naturg. 90A3: 205; 242); = *Drosophila dentata*, Duda 1926 (Suppl. Ent. 14:65).

Duda (1924) described *dentata* as a variety of *longecrinita*, in the subgenus *Hirtodrosophila*, but elevated it to specific rank in 1926. He created a primary homonym by using the name *dentata* a second time for a wholly different species from South America.

***Drosophila peruvensis* Wheeler, nom. nov.**

For *Drosophila maculipennis* Duda 1927 (Arch. Naturg. 91A12 (1925):167).

Not *Drosophila maculipennis* Gimmerthal 1847 (Bull. Soc. imper. nat. Moscou 20:199); = *Diastata nebulosa* Fallén (Diastatidae).

Although *maculipennis* Gimmerthal has been removed to the Diastatidae, the name is preoccupied in *Drosophila*; since the species described by Duda came from Peru, I am using the name *peruvensis* to replace his junior primary homonym.

***Drosophila meijerei* Wheeler, nom. nov.**

For *Drosophila nigricolor* de Meijere 1911 (Tijd. Ent. 54:399), a new name proposed for *Drosophila nigra* de Meijere, not Grimshaw.

Not *Drosophila nigricolor* Strobl 1898 (1897; Mitt. Nat. f. Steiermark 34:266).

It is clear that de Meijere was not aware of the prior use of *nigricolor* when he proposed it as a substitute for his *nigra*, preoccupied by *nigra* Grimshaw. It seems appropriate to propose a new name honoring this eminent dipterist. Although the evidence is scanty, *Drosophila meijerei* probably belongs to the subgenus *Pholadoris*.

***Drosophila neochracea* Wheeler, nom. nov.**

For *Drosophila ochracea* Duda 1927 (Arch. Naturg. 91A12 (1925):195).

Not *Drosophila ochracea* Grimshaw 1901 (Fauna Haw. 3:61).

A new name is needed to replace this junior primary homonym; to retain the general color significance of the name, the modification *neochracea* is proposed.

***Drosophila adamsi* Wheeler, nom. nov.**

For *Drosophila quadrimaculata* Adams 1905 (Kans. Univ. Sci. Bull. 3:182).

Not *Drosophila quadrimaculata* Walker 1856 (Ins. Saund. 1, Dipt.:410); = *Leucophenga varia* (Walker) 1849 as *Drosophila varia* Walker.

Primary homonymy exists here in spite of the fact that Walker's species has been removed to another genus and is a synonym.

Leucophenga ornata Wheeler, *nom. nov.*

For *Drosophila ornatipennis* de Meijere 1914 (*Tijd. Ent.* 57:256);
= *Leucophenga ornatipennis*, Sturtevant 1921, Duda 1924.

Not *Drosophila ornatipennis* Williston 1896 (*Trans. Ent. Soc. London*, 1896, Pt. 3:407).

In naming his species de Meijere wrote "*Drosophila (Leucophenga) ornatipennis*", since he considered that breaking up *Drosophila* into many genera was poor taxonomy. He indicated by parentheses, however, those species which would belong in *Leucophenga* if it were recognized. As published, he created a junior primary homonym which requires a new name.

Microdrosophila zetterstedti Wheeler, *nom. nov.*

For *Drosophila nigriventris* Zetterstedt 1847 (*Dipt. Scand.* 6:2557);
= *Drosophila (Incisurifrons) nigriventris*, Duda 1934; = *Microdrosophila nigriventris*, Hackman 1954.

Not *Drosophila nigriventris* Macquart 1843 (1842. *Mem. Soc. Sci. Arts Lille*:416); = *Drosophila (Leucophenga) nigriventris*, de Meijere 1908;
= *Leucophenga nigriventris*, Sturtevant 1921, Duda 1924.

These two nominal species were originally described in the same genus, and Zetterstedt's species, being junior, requires a new name.

Drosophila multistriata Duda 1923 (*Ann. Mus. Nat. Hung.* 20:57).

Equals *Drosophila lineata* (de Meijere) 1911, as *Stegana lineata* (*Tijd. Ent.* 54:420).

Not *Drosophila lineata* van der Wulp 1886 (*Dipt. Midd.-Sumatra Exped.* iv(9):57).

Duda (1924) transferred *Stegana lineata* de Meijere to *Drosophila*, where it became a junior homonym of *lineata* van der Wulp. There is an available replacement name, however, since Duda has stated that his *multistriata* is the same as *lineata* de Meijere. If it should be shown later that this synonymy is in error, then de Meijere's species will require a new name.

Drosophila punctatonervosa Frey 1954 (*Norw. Sci. Exped. Tristan da Cunha* 26:32).

Equals *Drosophila poeciloptera* Duda 1940 (*Ann. Mus. Nat. Hung.* 33:26).

Not *Drosophila poeciloptera* (Duda) 1925, as *Paramycodrosophila poeciloptera* (*Ann. Mus. Nat. Hung.* 22:226), which equals *Drosophila poecila* Burla and Pavan 1953 (*Rev. Brasil. Biol.* 13:311).

Upon transferring *Paramycodrosophila poeciloptera* Duda 1925 to the genus *Drosophila*, and thus producing homonymy, Burla and Pavan (1953) unfortunately proposed a new name (*poecila*) for the senior homonym (*poeciloptera* Duda 1925) rather than the junior one (*poeciloptera* Duda 1940). *Drosophila poecila* is thus an absolute synonym of *poeciloptera* Duda 1925, and the junior name of 1940 still requires a substitute.

There is an available replacement name: *punctatonervosa* Frey 1954, which judging from the description, is a later name for the same species. If this synonymy, however, should later prove to be untrue, then *poeciloptera* Duda 1940 will require a new name.

Secondary Homonyms of Uncertain Validity

There are three instances of uncorrected secondary homonymy in the catalogue list which follows. In each case there is uncertainty regarding the biological reality of the homonymy. The pertinent facts are given below.

1. *Drosophila hypopygialis*. Duda described a *Tanygastrella hypopygialis* and later relegated *Tanygastrella* to the status of a subgenus of *Drosophila*. That specific name has also been used by Malloch in *Drosophila*. Until the position of *Tanygastrella* in *Drosophila* is verified, however, I am not willing to propose a new name for the junior homonym.

2. *Drosophila metallescens*. Malloch described a species with this specific name in *Spinulophila* which he considered to be a genus but which was originally proposed as a subgenus of *Drosophila*. Recent authors consider it to be approximately equivalent to the immigrans species group of the subgenus *Drosophila*. Malloch's species is, therefore, clearly a *Drosophila*, and the name is a junior homonym of *metallezens* de Meijere. I consider, however, that Malloch's species is a probable synonym of *monochaeta* Sturtevant; hence a new name is not required for it unless, and until, it should be shown to be a distinct species.

3. *Drosophila obscuricornis*. Duda transferred *Stegana obscuricornis* de Meijere into *Drosophila* where it becomes a junior homonym. Without a re-examination of the type of de Meijere's species, however, I believe that its position in *Drosophila* is to be questioned. If it is shown to be a true *Drosophila*, it should then be given a new name.

Annotated List of Species, Subspecies and Varieties

No one can deny that *Drosophila* is a very large genus. In the list which follows, about 750 presumably valid species are enumerated. In view of the fact that collecting has been relatively sparse in many areas of the world, it will not be surprising if the actual number of species reaches 1500. It will be even greater if the phenomenon of nearly identical sibling-species is as widespread as it now appears to be. It is for this reason, primarily, that this annotated list of species, subspecies and varietal names has been assembled. More than 1000 names have already been used in the genus, so that the creation of new names for the multitude of undescribed species is becoming a difficult task. To assist in the avoidance of homonymy the list has been arranged to show which names are unavailable for any other species or subspecies in the genus, and which names might be used again for some other species. Confusion can best be prevented, however, by avoiding the use of any of the names in the list for any future species or subspecies of *Drosophila*.

In preparing the list I have made extensive use of the earlier catalogue of Sturtevant (1921) and of the list of valid names published by Patterson and Wheeler (1949). I have attempted to bring these lists up to date and correct the

errors as far as possible. The manner of listing the five major categories of names is as follows:

1. *Species originally described in the genus Drosophila.* The name is in **bold-face** type followed by the author and date without intervening punctuation. These names may not be used again in the genus.

2. *Species transferred to the genus Drosophila.* The name is in **bold-face**, but with the author's name in parentheses, followed by the original generic reference. If the species is still considered to be a *Drosophila*, its name is not available for any other species. A number of species, having been transferred into *Drosophila*, were later removed from it again, only in special cases are they included in the list. Names of such temporary members of the genus are available for future use.

3. *Names of subspecies.* According to the Rules names of subspecies have equal standing with names of species as regards priority in homonymy. These names are in **bold-face**, with a statement regarding their status as subspecies. They may not be used again in the genus.

4. *Names originally proposed as "varieties."* There are 27 such names in the list; they are in *italics*, with a notation as to their varietal status. It seems probable that the new version of the Rules, which is to be published in the near future, will place varietal names on an equal status with those of subspecies, nomenclaturally; they will then be subject to the same rules governing homonymy as those now applicable to specific and subspecific names. It would seem prudent for *Drosophila* taxonomists to avoid the re-use of these varietal names for any new forms in the future.

5. *Names without status in nomenclature.* Also shown in *italics* are certain manuscript names, *nomina nuda*, invalid spellings, etc., which do not preoccupy for purposes of homonymy. There are several hundred such names in the literature; a few have been included in the list when, in the writer's opinion, they might have some bearing on nomenclatural problems.

The following abbreviations are employed: species (sp.), subspecies (subsp.), variety (var.), synonym (syn.), new name (n. n.), probable (prob.), possible (poss.), preoccupied, *i.e.*, a homonym (preocc.), considered (consid.), erroneous subsequent spelling (err. subseq. spelling), *nomen nudum* (nom. nud.), *species incerta* (sp. inc.), personal communication (pers. comm.).

ANNOTATED LIST OF NAMES IN THE GENUS DROSOPHILA

abbreviata de Meijere 1911:400. To <i>Leucophenga</i> .	acuta Sturtevant 1927:370.
aberrans Lamb 1914:334. Type of subg. <i>Di chaetophora</i> .	acutilabella Stalker 1953:345.
abregolineata Duda 1925:214.	acutissima Okada 1956:130.
abron Burla 1954a:170.	adamsi Wheeler 1959, <i>antea</i> . N. n. for <i>quadrifasciata</i> Adams, not Walker.
abure Burla 1954a:168.	addisoni Pavan 1950:4.
acanthoptera Wheeler 1949b:171. Type of subg. <i>Sordophila</i> .	adspersa Mik 1886:328. Syn. of <i>repleta</i> Wollaston.
aceti Kollar 1851:205 6. Prob. syn. of <i>fumbris</i> (Fabricius).	adusta Loew 1862:231. To <i>Parascaptomyza</i> .
acuminata Collin 1952:199.	adyukru Burla 1954a:138.
	afex Tan, Hsu, & Sheng 1949:200.
	affinis Sturtevant 1916:334.

- agamse** Burla 1954a:129.
agbo Burla 1954a:104.
akabo Burla 1954a:109.
akai Burla 1954a:173.
akaju Burla 1954a:155.
alabamensis Sturtevant 1918b:38.
alafumosa Patterson & Mainland 1943:187.
alagitans Patterson & Mainland 1943:194.
albescens Frota-Pessoa 1954:281.
albicans Frota-Pessoa 1954:282. Poss. syn. of *albirostris* Sturtevant.
albiceps de Meijere 1914:258. To *Leucophenga*.
albicincta de Meijere 1908:156. To *Leucophenga*.
albicornis de Meijere 1915a:58. (the invalid original spelling, *abicornis*, was emended by de Meijere). To *Mycodrosophila*.
albifrontata Malloch 1934a:301.
albilabris Zetterstedt 1860:6425. (as first published, was attributed to "Roth, in litteris"). To *Amiota*.
albincisa de Meijere 1911:409.
albipes Walker 1852:410. Sp. inc.
albirostris Sturtevant 1921:78.
albofasciata Macquart 1851:977. To *Leucophenga*.
alboguttata Wahlberg 1838:22. To *Amiota*.
albolimbata Duda 1924a:216, & 1924b:256.
albomarginata Duda 1927:173.
albomicans Duda 1924a:209, & 1924b:245. Nom. nud. in Duda 1923:47. Syn. of *nasuta* Lamb.
albonotata de Meijere 1911:408.
albopunctata Becker 1900:64. To *Chymomyza*.
alboralis Momma & Takada 1954:98.
albostriata Malloch 1924b:352.
albovittata Duda 1926a:83, 87. N. n. for *sulfurigaster* Duda, as an invalid replacement; syn. of *nasuta* Lamb.
aldrichi Patterson & Crow 1940:251.
alexandrei Cordeiro 1951:1.
alfari Sturtevant 1921:75.
algonquin Sturtevant & Dobzhansky 1936: 575.
alladian Burla 1954a:175.
alpina Burla 1948:274.
alternata de Meijere 1911:402.
alternolineata Duda 1925:213.
altriplanica Brncic & Santibañez 1957:69.
amabalis de Meijere 1911:405. To *Mycodrosophila*.
ambigua Pomini 1940:157.
americana Spencer 1938:169, as subsp. of *virilis*; now consid. sp.
- amoena** Loew 1862:230. To *Chymomyza*.
ampelophila Loew 1862:231. Syn. of *melanogaster* Meigen.
amplipennis Malloch 1934b:442.
analis Macquart 1843:415. Sp. inc.
ananassae Doleschall 1858:128.
ancep Patterson & Mainland 1944:39.
andalusiaca Strobl 1906:372.
andina Dobzhansky & Pavan 1943:59.
angularis Okada 1956: 128.
angusta de Meijere 1915a:57.
angustibucca Duda 1925:218.
angustipennis de Meijere 1911:413. To *Diaspatidae*.
annularis Sturtevant 1916:327. N. n. for *annulata* Williston, not Fallén.
annulata (Fallén 1813:250, in *Notiphila*). To *Drosophila* by Zetterstedt in 1847; later moved to *Periscelididae*.
annulata Williston 1896:409. Preocc.; n. n. is *annularis* Sturtevant.
annulimana Duda 1927:117.
annulipes Duda 1924a:209, 221, & 1924b: 250. Nom. nud. in Duda 1923:58.
anomalipes Grimshaw 1901:62.
anunda Curran 1936:43.
anyi Burla 1954a:145.
pectinata Duda 1931:194.
apicata Thomson 1869:596. To *Scaptomyza*.
apicifera Adams 1905:185. To *Leucophenga*.
appendiculata Malloch 1934b:441. Type of subg. *Chusqueophila*.
approximata Zetterstedt 1847:2557. Syn. of *fasciata* Meigen (Duda 1935a).
aracea Heed & Wheeler 1957:36.
araicás Pavan & Naçrur 1950:264.
arapuan da Cunha & I. Pavan 1947:36.
ararama Pavan & da Cunha 1947:28.
arassariá da Cunha & Frota-Pessoa 1947:32.
araucana Brncic 1957a:82.
araúna Pavan & Naçrur 1950:268.
argentata de Meijere 1914:258. To *Leucophenga*.
argenteifrons Wheeler 1954:50.
argentina de Meijere 1924:46. To *Leucophenga*.
arizonensis Patterson & Wheeler 1942:96.
asozana Okada 1956:87.
astioidea Duda 1923:42.
aterrima Duda 1940:28, 48.
athabasca Sturtevant & Dobzhansky 1936:576.
atkinsoni (Miller 1921:302, in *Leucophenga*). Syn. of *funebris* (Fabricius).
atra Walker 1852:412. Sp. inc.
atrata Burla & Pavan 1953:307.
atropyga Duda 1924a:215, as var. of *montium*.

- auraria** Peng 1937:23.
- aurea** Patterson & Mainland 1944: 46.
- aureata** Wheeler 1957:83.
- australia** Duda 1923:59. Poss. syn. of *obsoleta* Malloch.
- austrorepleta** Dobzhansky & Pavan 1943:50. Syn. of *repleta* Wollaston.
- austrosaltans** Spassky 1957:57.
- azteca** Sturtevant & Dobzhansky 1936:577.
- baeomyia** Wheeler 1949a:145. Syn. of *latifasciaeformis* Duda.
- balneorum** Sturtevant 1927:369.
- balteata** Bergroth 1894:75. Syn. of *melanogaster* Meigen.
- bandeirantorum** Dobzhansky & Pavan 1943: 30.
- bangi** Burla 1954a:143.
- baole** Burla 1954a:187.
- basdeni** Wheeler 1957:94.
- baseogrisea** Duda 1924a:221, & 1924b:257.
- basilaris** Adams 1905:184. To *Leucophenga*.
- bellula** Bergroth 1894:75. To *Leucophenga*.
- bellula** Williston 1896:410. Preocc.; n. n. is *pulchella* Sturtevant.
- berryi** Cockerell 1923:332. Fossil sp.
- hetari** Dobzhansky & Pavan 1943:48.
- biamripes** Malloch 1924c:64.
- bicolor** de Meijere 1911:399. To *Lisocephala*.
- bicoloripes** Malloch 1926:31. To *Chymomyza*.
- bifasciata** Pomini 1940:163. (*bifasciata* & *lineata* were both original spellings; *bilineata* being preocc., *bifasciata* is an available replacement name).
- biflum** Frota-Pessoa 1954:284.
- bifurca** Patterson & Wheeler 1942:85.
- bilimbata** Bezzi 1928:159. Syn. of *nasuta* Lamb.
- bilineata** Williston 1896:409. To *Zygothrica*.
- bilineata** Pomini 1940:155. Preocc.; replacement name is *bifasciata* Pomini.
- bimaculata** Loew 1865:183. To *Leucophenga*.
- binotata** de Meijere 1914:257.
- biopaca** Sturtevant 1942:37. Syn. of *sturtevanti* Duda.
- bipectinata** Duda 1923:52.
- bipunctata** Patterson & Mainland 1943:194.
- biradiata** Duda 1923:50.
- bistriata** de Meijere 1911:397. To *Zaprionus*, subg. *Phorticella*.
- bizonata** Kikkawa & Peng 1938:532.
- bocainensis** Pavan & da Cunha 1947:18.
- bocainoides** Carson 1954:150.
- boletina** Duda 1927:202.
- boliviana** Duda 1927:198.
- boliviensis** Duda 1927:215, as var. of *kerteszina* Duda.
- borealis** Patterson 1952:20.
- brachynephros** Okada 1956:126.
- brevicarinata** Patterson & Wheeler 1942:88.
- brevicornis** Duda 1935a:76.
- brevirostris** Walker 1852:411. Sp. inc.
- breigeri** Pavan & Breuer 1954:459.
- bromeliae** Sturtevant 1921:72.
- bromelioides** Pavan & da Cunha 1947:7.
- brouni** Hutton 1901:91. Officially suppressed in favor of *immigrans* Sturtevant.
- brunetti** Chaudhuri & Mukherjee 1941:216.
- brunneus** de Meijere 1911:401.
- brunneipalpa** Dobzhansky & Pavan 1943:53.
- brunneipennis** Malloch 1923:617.
- bryani** Malloch 1934a:310.
- busckii** Coquillett 1901:18. (Invalid original spelling, *buskii*, was a typographical error). Type of subg. *Dorsilopha*.
- buzzatii** Patterson & Wheeler 1949:97.
- calceolata** Duda 1926a:94, 105.
- californica** Sturtevant 1923:9.
- caliginosa** Lamb 1914:341.
- calloptera** Schiner 1868:239.
- camargo** Dobzhansky & Pavan 1950:6.
- camaronensis** Brncic 1957a:95.
- cameraria** Haliday 1833:174.
- campestris** Burla 1950b:9. Prob. syn. of *crocina* Patterson & Mainland.
- canalinea** Patterson & Mainland 1944:50.
- canalinoides** Wheeler 1957:92.
- canapalpa** Patterson & Mainland 1944:40.
- cancellata** Mather 1955:550.
- canescens** Duda 1927:210.
- capnoptera** Patterson & Mainland 1944:47.
- caponei** Pavan & da Cunha 1947:4.
- capricorni** Dobzhansky & Pavan 1943:14.
- carbonaria** Patterson & Wheeler 1942:103.
- cardini** Sturtevant 1916:336.
- cardinoides** Dobzhansky & Pavan 1943:21.
- caribea** Sturtevant 1916:335. Syn. of *ananas-sae* Doleschall.
- carinata** Grimshaw 1901:70.
- carinata** Duda 1923:41. Preocc.; n. n. is *laticornata* Frota-Pessoa.
- carsoni** Wheeler 1957:95.
- castanea** Patterson & Mainland 1944:51.
- caxiensis** Cordeiro 1952:304.
- cellaris** (Linné 1758:597, in *Musca*). Sp. inc.; consid. *Drosophila*, especially *D. funebris*, by older authors; prob. to Phoridae (see Schiner 1864:278, and Duda 1935a:84).
- centralis** Patterson & Mainland 1944:57, as subsp. of *pallidipennis*.
- cha grinensis** Stalker & Spencer 1939:111.
- cheda** Tan, Hsu & Sheng 1949:199.
- chinoi** Okada 1956:162.

- cilifemur** Villeneuve 1923:28. Syn. of *imminans* Sturtevant.
- cilitarsus** Hering 1940:293.
- cincta** de Meijere 1911:395. To *Leucophenga*.
- cinctifrons** de Meijere i. litt. of Duda 1924a: 227. Invalid citation; sp. is *Chymomyza cinctifrons* de Meijere 1924:47.
- cinerea** Patterson & Wheeler 1942:71.
- cinerella** Fallén 1823:7. Becker 1926:43 lists "Drosophila cinerella Meigen 1830" as syn. of *Discocerina plumosa* (Fallén 1823) of the Ephydriidae, meaning *cinerella* Fallén as understood by Meigen; to *Scaptomyza* (Bastien, pers. comm.).
- circumdata** Duda 1926a:82, 84. Prob. to *Chaetodrosophilella*.
- clarkii** Hutton 1901:91. Syn. of *funebris* (Fabricius).
- clunickerus** Duda 1923:51.
- coffeata** Williston 1896:409.
- coffeeina** Schiner 1868:238.
- cognata** Grimshaw 1901:69.
- colocasiae** Duda 1924b:252.
- colorata** Walker 1849:1110.
- comoe** Burla 1954a:205.
- compressiceps** Duda 1923:55.
- compressifrons** of Hennig 1941:151. Err. subseq. spelling for *compressiceps*.
- confusa** Staeger 1844:16.
- congesta** Zetterstedt 1847:2558. To *Microdrosophila*.
- conspicua** Grimshaw 1901:59.
- converga** Heed & Wheeler 1957:22.
- convergens** de Meijere 1911:400. To *Orthostegana* (Hendel 1914); to *Stegana* (Sturtevant 1921); to *Oxyphortica* (Duda 1923).
- convexa** Malloch 1934a:303.
- coracina** Kikkawa & Peng 1938:523.
- cordata** Sturtevant 1942:34.
- costata** Zetterstedt 1838:776. To *Chymomyza*.
- crassa** Patterson & Mainland 1944:52.
- crassifemur** Grimshaw 1901:66.
- crocina** Patterson & Mainland 1944:34.
- crockeri** Curran 1936:44.
- crucigera** Grimshaw 1902:86.
- cubana** Townsend 1954:339, as subsp. of *tropicalis*.
- curvapex** Frota-Pessoa 1954:296.
- curvicapillata** Duda 1923:49.
- curviceps** Okada & Kurokawa 1957:8.
- curvinervis** Duda 1924a:204, as var. of *longecrinita* Duda.
- curvipennis** Fallén 1823:4. To *Protostegana*.
- cuzeoica** Duda 1927:120.
- daruma** Okada 1956:155.
- debilis** Walker 1849:1109. Sp. inc.
- decemguttata** Walker 1852:411. To *Diastatidae*.
- decemseriata** Hendel 1936:98.
- decipiens** Duda 1923:55.
- deflecta** Malloch 1924d:36.
- deflexa** Duda 1924a:222.
- deltaneuron** Bryan 1938:40.
- denieri** Blanchard 1938:362.
- dentata** Duda 1924a:205, as var. of *longecrinata*; raised to sp. by Duda 1926a:65, 69. (Nom. nud. in Duda 1923:42).
- dentata** Duda 1927:201. Preocc.; n. n. is *tenodata* Wheeler.
- denticeps** Okada & Sasakawa 1956:26.
- diamma** Burla 1954a:192.
- dibi** Burla 1954a:126.
- dilacerata** Becker 1919:208. Consid. *Scaptomyza* by Duda 1927, but descr. & wing fig. indicate *Drosophila*.
- dimidiata** Loew 1862:230. To *Mycodrosophila*.
- dispar** Mather 1955:570.
- distincta** Egger 1862:780. To *Chymomyza*.
- divisa** Duda 1927:187. (*diversa* is an err. subseq. spelling in Patterson & Wheeler 1949).
- dobzhanskii** Patterson 1943:82.
- dorsalis** Walker 1865:128.
- dorsata** Duda 1924a:207, 220, & 1924b:248. (Nom. nud. in Duda 1923:56).
- dorsivitta** Walker 1861:330. Sp. inc.
- dreyfusi** Dobzhansky & Pavan 1943:61.
- dubia** Sturtevant 1921:73. To *Clastopteromyia*.
- dudai** Malloch 1934b:444.
- dumuya** Burla 1954a:185.
- duncani** Sturtevant 1918a:446.
- dunni** Townsend & Wheeler 1955:61.
- dyula** Burla 1954a:178.
- dyaramankana** Burla 1954a: 196.
- earlei** Sturtevant 1916:329.
- elliptica** Sturtevant 1942:35.
- elongata** Sturtevant 1927:372.
- emarginata** Sturtevant 1942:36.
- emulata** Chaudhuri & Mukherjee 1941:216.
- enderbii** Hutton 1902:174. To Ephydriidae.
- enigma** Malloch 1927:6.
- equinoxialis** Dobzhansky 1946:209.
- errans** Malloch 1933:21. N. n. for *similis* Lamb, not Williston; syn. of *ananasae* Doleschall.
- erythrophthalma** (Panzer 1794:24, in *Musca*). Sp. inc., poss. not *Drosophila* (Duda 1935a).
- euronotus** Patterson & Ward 1952:158.
- excepta** Malloch 1934a:308.
- excita** Giglio-Tos 1893:14. To Ephydriidae.
- exigua** Grimshaw 1901:72.
- ezoana** Takada & Okada 1958:134.

- facialba** Heed & Wheeler 1957:19.
facialis Adams 1905:183.
fasciata Meigen 1830:84. Consid. by some authors as prior name (page preference) for *melanogaster* Meigen.
fasciata Dufour 1839:49. Preocc., but consid. syn. of *testacea* von Roser by Duda 1935a.
fasciola Williston 1896:410.
fascioloides Dobzhansky & Pavan 1943:42.
fenestrarum Fallén 1823:6.
fenestrata de Meijere of Duda 1923:36. Invalid citation from museum label; valid name is *Zaprionus (Phorticella) fenestrata* (Duda) 1923.
ferruginea Becker 1919:209.
ficusphila Kikkawa & Peng 1938:531.
fima Burla 1954a:165.
finigutta Walker 1859:126. To Lauxaniidae.
finitima Lamb 1914:340.
flava Fallén 1823:7. Often consid. *Scaptomyza* but Collin (1953:150) consid. it *Drosophila*, *fenestrarum* species group.
flaveola (Meigen 1830:66, in *Notiphila*). To *Scaptomyza* acc. to many authors; to *Hydrellia* (Ephydriidae) by Duda 1934.
flaviceps Grimshaw 1901:63.
flavipennis Zetterstedt 1838:777. To *Scaptomyza*.
flavipes (Meigen 1830:108, in *Opomyza*). Consid. *Drosophila* by some older authors; Hennig (1937:31) makes it syn. of *Phylomyza securicornis* Fallén in Milichiidae.
flaviseta Adams 1905:184. To *Leucophenga*.
flavissima Duda 1929:419.
flavohalterata Duda 1925:198.
flavohirta Malloch 1924b:354.
flavolineata Duda 1927:157.
flavomontana Patterson 1952:21.
flavopilosa Frey 1919:14.
flavopinicola Wheeler 1954:47.
flavorepleta Patterson & Pavan 1952:114, as subsp. of *fulvimacula*.
flexa Loew 1865:182.
florae Sturtevant 1916:339.
floricola Sturtevant 1942:42. Type of subg. *Phloridosa*.
forcepata Collin 1952:198. Poss. syn. of *andalusiaca* Strobl.
formosana Duda 1926b:50, as var. of *immigrans* Sturtevant (as "tripunctata" Becker"); raised to sp. by Duda 1926a:83.
formosana Sturtevant 1927:368, as var. of *immigrans* Sturtevant. Preoc.; syn. of *formosana* Duda.
fraburu Burla 1954a:183.
- fracticosta** Lamb 1914:329. To *Mycodrosophila*.
fragilis Wheeler 1949b:191.
framire Burla 1954a:128.
trolovae Wheeler 1949b:175.
frontalis Williston 1896:413. To *Leucophenga*.
frontata de Meijere 1916:204. To *Microdrospophila*.
fronto Walker 1852:410. Sp. inc.
fruhstorferi Duda 1924a:211, 218, & 1924b:255.
fuliginea Patterson & Wheeler 1942:80. Prob. syn. of *californica* Sturtevant.
fulvalineata Patterson & Wheeler 1942:106.
fulvimacula Patterson & Mainland 1944:42.
fulvimaculoides Wasserman & Wilson 1957:137.
fumipennis Duda 1925:220.
fumosa Pavan & da Cunha 1947:14.
fundomaculata Duda 1925:209.
funebris (Fabricius 1787:345, in *Musca*). Type of gen. & subg. *Drosophila*.
fungicola Villeneuve 1921:158. Syn. of *unistrigata* Strobl.
fusca Coquillett 1900:264. Sp. inc.
fuscitmana Zetterstedt 1838:776. To *Chymomyza*.
fuscipennis Duda 1927:198.
fuscithorax Malloch 1924b:353.
fuscoamoeba Bryan 1934:438.
fuscohalterata Duda 1925:197.
fuscolineata Duda 1925:213.
fuscovittata Harrison 1934:106.
fuscula Fallén 1823:7. To Diastatidae.
gasici Brncic 1957a:92.
gaucha Jaeger & Salzano 1953:205.
gibberosa Patterson & Mainland 1943:195.
gibbinsi Aubertin 1937:169.
gibbosa de Meijere 1914:264. To *Leucophenga*.
gigantea Thomson 1869:596. Poss. *Leucophenga* (Kahl 1917:392); poss. *Curtonotum* (Malloch 1934b:437); true *Drosophila* (Sabrosky, pers. comm.).
gigas Duda 1925:216.
gilva Burla 1956:263.
glabra Fallén 1823:8. To Camillidae.
glabrifrons Duda 1925:196.
gracilipes Duda 1940:27, 39, as var. of *finitima* Lamb; prob. syn. of *latifasciaeformis* Duda (Burla 1954a).
gracilis (Duda 1924a:192, & 1924b:253, in *Tanygastrella*). To *Drosophila* by Duda 1926a:99, with *Tanygastrella* as subgen. of *Drosophila*.
graminum Fallén 1823:8. To *Scaptomyza*.

- grandis** Kikkawa & Peng 1938:543.
gratiosa de Meijere 1911:404. To *Mycodrosophila*.
grimshawi Oldenberg 1914:23. N. n. for *variegata* Grimshaw, not Fallén.
grischuna Burla 1950a:620. Syn. of *confusa* Staeger.
grisea Patterson & Wheeler 1942:72.
griseicollis Becker 1919:209.
griseola Zetterstedt 1847:2562. To *Scaptomyza*.
griseolineata Duda 1927:161.
grossipalpis Lamb 1914:328. To *Leucophenga*.
guardajá King 1947:48.
guaramunú Dobzhansky & Pavan 1943:39.
guaraní Dobzhansky & Pavan 1943:36.
guarú Dobzhansky & Pavan 1943:37.
guinensis Duda 1924a:209. Err. subseq. spelling for *novoguineensis* Duda.
guttifera Walker 1849:1110.
guttiventris de Meijere 1908:331. N. n. for *maculiventris* de Meijere, not van der Wulp. To *Leucophenga*.
guyénoti Burla 1948:277. Poss. syn. of *deflexa* Duda.
haleakalae Grimshaw 1901:64.
hamatofila Patterson & Wheeler 1942:91.
hawaiensis Grimshaw 1901:60.
helvetica Burla 1948:276.
heterobristalis Tan, Hsu, & Sheng 1949:204.
hexastigma Patterson & Mainland 1944: 43.
hexastrata Tan, Hsu, & Sheng 1949:201.
hirsuta Duda 1926a:94, 97. Proposed as n. sp. or var., but cited, p. 97, as var. of *fenerstrarum*.
hirticornis de Meijere 1914:261.
hirtipes Lamb 1914:337.
hirtiscutellata Sturtevant 1927:372.
histrio Meigen 1830:85.
histrionoides Okada & Kurokawa 1957:4.
hoeckeri Brncic 1957a:76. Prob. syn. of *nigricruria* Patterson & Mainland.
hoozani Duda 1923:54.
huilliche Brncic 1957a:85.
humeralis Grimshaw 1901:64.
hyalipennis Duda 1927:119.
hydei Sturtevant 1921:101.
hydeoides Patterson & Wheeler 1942:84.
hypocausta Osten-Sacken 1882:245.
hypopygialis (Duda 1924a:192, & 1924b:254, in *Tanygastrella*). To *Drosophila* by Duda 1926a:96, with *Tanygastrella* as subg. of *Drosophila*.
hypopygialis Malloch 1934a:307.
icteroscuta Wheeler 1949b:184.
iki Bryan 1934:439, as var. of *nigra* Grimshaw.
illata Walker 1860:168. Sp. inc.
illota Williston 1896:415.
imeretensis Sokolov 1948:1007.
immatura Walker 1849:1108. Sp. inc.
immigrans Sturtevant 1921:83.
imparata Walker 1859:126. Syn. of *ananassae* Doleschall (de Meijere).
impudica Duda 1927:196.
inaequalis Grimshaw 1901:69.
inca Dobzhansky & Pavan 1943:44.
incana Meigen 1830:86. To *Scaptomyza*.
inconspicua de Meijere 1914:262.
infuscata Grimshaw 1901:63.
ingrata Haliday 1833:174. Syn. of *obscura* Fallén (Duda 1935a).
innocua (Malloch 1934a:294, in *Hirtodrosophila*).
innubila Spencer 1943:94.
inornata Malloch 1923:617.
insulana Schiner 1868:240. To *Leucophenga*.
insularis Dobzhansky 1957:41.
intermedia Duda 1927:125, 151, as var. of *adusta* in *Scaptomyza* which was consid. subg. of *Drosophila*. To *Parascaptomyza*.
interrupta Duda 1923:45.
inversa Walker 1861:331. To *Clastopteromyia*.
invicta (Walker 1857:130, in *Helomyza*). Considered *Drosophila* by some older authors; to *Leucophenga* (Czerny); to *Trichiasiphenga* (Duda); to *Paraleucophenga* Hendel (Hennig 1941:150) whose type species, *triseta* Hendel, is syn. of *invicta*.
iri Burla 1954a:180.
iroko Burla 1954a:171.
iroquois Sturtevant & Dobzhansky 1936:576, as subsp. of *affinis*.
itambacuriensis da Cunha 1955:119, as subsp. of *neocardini*.
jacobsoni Duda 1926a:65, as var. of *latifrons* Duda.
johni Pokorny 1896:63. To *Mycodrosophila*.
jordanensis Frota-Pessoa 1945:473.
jucunda Lamb 1914:339.
kallima Wheeler 1957:87.
kaulua Bryan 1934:439.
kertészina Duda 1925:222.
kikkawai Burla 1954b:47.
kirki Harrison 1959:303.
komaii Kikkawa & Peng 1938:525.
krugi Pavan & Breuer 1954:462.
kulango Burla 1954a:172.
kuntzei Duda 1924a:218.
kuoni Burla 1954a:190.
kuscheli Brncic 1957b:394.
kweichowensis Tan, Hsu, & Sheng 1949:205.

- lacertosa** Okada 1956: 158.
lacicola Patterson 1944:102.
lacteoguttata Portschinsky 1892:226. To *Amiota*.
laeta Zetterstedt 1847:2553, as var. of *transversa* Fallén.
lambi Duda 1940:48. N. n. for *pallipes* Lamb, not Dufour.
lamellitarsis Duda 1936:350.
lanaiensis Grimshaw 1901:60.
lata Becker 1907:54. To *Amiota*, subg. *Paraphortica*.
latebuccata Duda 1927:203.
latecarinata Duda 1927:170.
lateralis Walker 1860:169.
latestriata Becker 1908:157. Syn. of *unistriata* Strobl (Duda 1924c).
latifascia de Meijere 1914:261. (*latifasciata* is err. subseq. spelling).
latifasciaeformis Duda 1940:22.
latifrons Adams 1905:182.
latifrons Duda 1926a:64. Preocc.; invalidly proposed as n. sp. to include *carinata* & *astioidea* as vars.; n. n. is *latifrontata* Frota-Pessoa.
latifrontata Frota-Pessoa 1945:480. N. n. for *latifrons* Duda, not Adams (and for *carinata* Duda, not Grimshaw; see Frota-Pessoa 1945, *op. cit.*). Type of subg. *Hirtodrosophila*.
lativittata Malloch 1923:618.
lativittata Malloch 1924d:36. Preocc.; n. n. is *palustris* Spencer.
lebanonensis Wheeler 1949a:143. Prob. syn. of *victoria* Sturtevant.
leonis Patterson & Wheeler 1942:82.
levigata Burla 1956:261.
levis Mather 1955:561. Syn. of *bryani* Malloch.
limbata von Roser 1840:62.
limbata Williston 1896:414. Preocc.; n. n. is *nebulosa* Sturtevant.
limbinervis Duda 1925:215.
limbipennis de Meijere 1908:156. To *Leucophenga*.
limbiventris Duda 1925:212.
limbensis Pavan & Patterson 1947:26.
limpieusis Mainland 1941:160, as subsp. of *macrospina*.
lineareplata Patterson & Wheeler 1942:79.
linearis Walker 1852:411. Sp. inc., prob. not *Drosophila*.
lineata van der Wulp 1886:57.
lineata (de Meijere 1911:420, in *Stegana*). Preocc.; replacement name is *multistriata* Duda (see remarks in text).
lineolata de Meijere 1914:254.
litorella (Meigen 1838:374, in *Hydrellia*). Sp. inc., prob. not *Drosophila* (Duda 1935a).
littoralis Meigen 1830:87.
lividinervis Duda 1923:53.
lividipennis Duda 1924a:216. Err. subseq. spelling for *lividinervis* Duda.
longala Patterson & Wheeler 1942:71.
longecrinita Duda 1924a:204, & 1924b:242. (Nom. nud. in Duda 1923:42).
longicornis Patterson & Wheeler 1942:90.
longifrons Duda 1923:48.
longiseta Grimshaw 1901:68.
longitarsis Duda 1931:195.
lucida Segúy 1938:351.
lugens Duda 1926a:71, 76.
lugubrina Duda 1924a:224. Syn. of *littoralis* Meigen.
lugubripennis Duda 1927:199.
lulumahu Bryan 1938:39.
lundstroemi Duda 1935a:72.
lurida Walker 1860:169.
lutea Kikkawa & Peng 1938:533.
luteipes Sturtevant 1921:74, as var. of *splendida*; to *Clastopteromyia*.
lutzii Sturtevant 1916:340.
macropolta Patterson & Mainland 1944:54.
macroptera Patterson & Wheeler 1942:105.
macrospina Stalker & Spencer 1939:110.
macularis Villeneuve 1921:157. Syn. of *picta* Zetterstedt.
maculata Dufour 1839:49. To *Leucophenga*.
maculifrons Duda 1927:122.
maculnotinata Okada 1956:145.
maculipennis Gimmerthal 1847:199. To *Diasatidae*.
maculipennis Duda 1927:167. Preocc.; n. n. is *peruensis* Wheeler.
maculiventris van der Wulp 1897:142. Consider. syn. of *repleta* Wollaston.
maculiventris de Meijere 1908:155. Preocc.; n. n. is *guttiventris* de Meijere. To *Leucophenga*.
maculosa Coquillett 1895:317, in Johnson, D. W., 1895. To *Leucophenga*.
maculosa Mather 1955:560. Preocc.; n. n. is *novamaculosa* Mather.
magnarcus Frota-Pessoa 1951:407.
magnabadia Patterson & Mainland 1943:196.
magnafumosa Stalker & Spencer 1939:112.
magnaquinaria Wheeler 1954:48.
magnipectinata Okada 1956:113.
mahican Sturtevant & Dobzhansky 1936:576, as subsp. of *athabasca*.
mainlandi Patterson 1943:147.
makinoi Okada 1956:135.
mallochi Frota-Pessoa 1946:155. N. n. for *lati-*

- vittata* Malloch 1924, not Malloch 1923; syn. of *palustris* Spencer.
- mangabeirai* Malogolowkin 1951:432.
- manonoensis* Harrison 1954:101.
- mansura* Adams 1905:185. To *Leucophenga*.
- maracaya* Wheeler 1957:88.
- marginata* Duda 1924a:209, & 1924b:244. (Nom. nud. in Duda 1923:46).
- marginella* Zetterstedt 1838:777. To Diastatidae.
- marioryae* Harrison 1954:105.
- marmoria* Hutton 1901:91. Sp. inc., poss. is *hydei* Sturtevant.
- martensis* Wasserman & Wilson 1957:151.
- mauiensis* Grimshaw 1901:67.
- maura* de Meijere 1911:406. To *Pararhinoleucophenga*.
- mbettie* Burla 1954a:149.
- medioceris* Frota-Pessoa 1954:275.
- mediodelta* Heed & Wheeler 1957:21.
- mediodiffusa* Heed & Wheeler 1957:27.
- medioimpressa* Frota-Pessoa 1954:300.
- medionotata* Frota-Pessoa 1954:288.
- medioobscurata* Duda 1925:217.
- medioparva* Heed & Wheeler 1957:98.
- mediopieta* Frota-Pessoa 1954:290.
- mediopictoides* Heed & Wheeler 1957:24.
- mediopunctata* Dobzhansky & Pavan 1943:26.
- mediosignata* Dobzhansky & Pavan 1943:24.
- mediostriata* Duda 1925:223.
- mediovittata* Frota-Pessoa 1954:280.
- megaspis* Bezzi 1908b:191.
- meigeni* Duda 1935a:74, 90, as var. of *obscura*; consid. sp. by Basden 1954:617.
- meijerei* Wheeler 1959, *antea*. N. n. for *nigricolor* de Meijere, not Strobl.
- meitanensis* Tan, Hsu, & Sheng 1949:204.
- melanderi* Sturtevant 1916:337.
- melanica* Sturtevant 1916:332.
- melanissima* Sturtevant 1916:333.
- melanogaster* Meigen 1830:85. Type of subg. *Sophophora*.
- melanogaster* Macquart 1843:415. Preocc.; syn. of *fenestrarum* Fallén (Duda).
- melanopalpa* Patterson & Wheeler 1942:77.
- melanoptera* Duda 1927:158.
- melanosoma* Grimshaw 1901:68.
- melanospila* Walker 1859:126. To Laxaniidae
- melanura* Miller 1944:86.
- mellea* Becker 1919:208.
- mercatorum* Patterson & Wheeler 1942:93.
- meridiana* Patterson & Wheeler 1942:99.
- mesophragmatica* Duda 1927:205.
- mesostigma* Frota-Pessoa 1954:269.
- metallescens* de Meijere 1914:265. To *Lisscephala*.
- metallescens* (Malloch 1934a:312, in *Spinulophila*). Prob. syn. of *monochaeta* Sturtevant.
- metallica* Sturtevant 1921:73. To *Clastopteromyia*.
- metzii* Sturtevant 1921:78.
- mexicana* Macquart 1843:416. Sp. inc.
- mexicana* (Wheeler 1949b:164, in *Paramycodrosophila*). Preocc.; n. n. is *mexicoa* Wheeler.
- mexicoa* Wheeler 1954:54. N. n. for *mexicana* (Wheeler), not Macquart.
- microlabis* Segú 1938:351.
- micromelanica* Patterson 1941:394.
- miki* Duda 1924a:213.
- minuta* Walker 1852:412. Sp. inc.
- minuta* Duda 1926a:66, 70, as var. of *dentata* Duda 1924.
- miranda* Dobzhansky 1935:377.
- mirim* Dobzhansky & Pavan 1943:62. Syn. of *latifasciaeformis* Duda.
- mitis* Curran 1936:43.
- modesta* Sturtevant 1916:338. Syn. of *tripunctata* Loew.
- mojavensis* Patterson & Crow 1940:251, as subsp. of *mulleri*; later consid. sp.
- mojú* Pavan 1950:19.
- mokonim* Burla 1954a:131.
- molokaiensis* Grimshaw 1901:67.
- monochaeta* Sturtevant 1927:368.
- montana* Stone, Griffen, & Patterson 1941:179.
- monticola* Grimshaw 1901:69.
- montium* de Meijere 1916:205.
- morena* Frota-Pessoa 1954:283.
- moriwakii* Okada & Kurokawa 1957:9.
- moronu* Burla 1954a:134.
- mourensis* da Cunha 1955:119, as subsp. of *neocardini*.
- mulleri* Sturtevant 1921:101.
- multipunctata* Loew 1866:50. Syn. of *guttifera* Walker.
- multispina* Okada 1956:143.
- multistriata* Duda 1923:57.
- munda* Spencer 1942:58.
- mutabilis* Adams 1905:187. To *Leucophenga*.
- mutandis* Tan, Hsu, & Sheng 1949:198.
- mycetophaga* Malloch 1924b:351.
- nana* Williston 1896:416. To *Clastopteromyia*.
- nannoptera* Wheeler 1949b:177.
- narinosa* Frota-Pessoa 1945:476. N. n. for *nasalis* Duda, not Grimshaw.
- narragansett* Sturtevant & Dobzhansky 1936: 577.
- nasalis* Grimshaw 1901:66.

- nasalis** Duda 1925:194. Preocc.; n. n. is *narina* Frota-Pessoa.
nasuta Lamb 1914:346.
nebulosa Sturtevant 1916:327. N. n. for *limata* Williston, not von Roser.
neocardini Streisinger 1946:111.
neochracea Wheeler 1949, *antea*. N. n. for *ochracea* Duda, not Grimshaw.
neocordata Magalhães 1956:275.
neoelliptica Pavan & Magalhães 1950:13.
neoguaramunú Frydenberg 1956:57.
neomorpha Heed & Wheeler 1957:33.
neorepleta Patterson & Wheeler 1942:78.
neosaltans Pavan & Magalhães 1950:16.
neozelandica Harrison 1959:290.
nepalensis Okada 1955:388.
nicholsoni Malloch 1927:4.
nigerrima Lamb 1914:331. To *Mycodrosophila*.
nigra Grimshaw 1901:62.
nigra de Meijere 1908:153. Preocc.; n. n. was *nigricolor* de Meijere, also preocc.; n. n. is *meijerei* Wheeler.
nigra Duda 1926a:65, 68, as var. of *latifrons* Duda.
nigriceps Meigen 1838:378. Consid. syn. of *obscura* Fallén.
nigricineta Frota-Pessoa 1954:289.
nigricolor Strobl 1898b:266.
nigricolor de Meijere 1911:399. N. n. for *nigra* de Meijere, not Grimshaw; preocc.; n. n. is *meijerei* Wheeler.
nigricosta Malloch 1926:30. To *Neotanygastrella*.
nigricuria Patterson & Mainland 1943:136.
nigrifemur Duda 1927:192.
nigrifrons Malloch 1934a:304.
nirimana Meigen 1830:87. To *Chymomyza*.
nigrita Haliday of authors. Err. subseq. spelling for *ingrata* Haliday, possibly intended as an emendation.
migrithorax Strobl 1893b:132, as var. of *fenerarum*.
nigriventris Macquart 1843:416. To *Leucophenga*.
nigriventris Zetterstedt 1847:2557. Preocc.; to *Microdrosophila* with n. n. *Microdrosophila zetterstedti* Wheeler.
nigrobrunnea Lamb 1914:332. To *Mycodrosophila*.
nigrodunni Heed & Wheeler 1957:35.
nigrofemorata Duda 1926a:72, 96, 110.
nigrohalterata Duda 1925: 195.
nigrohydei Patterson & Wheeler 1942:84.
nigromaculata Kikkawa & Peng 1938:537.
nigromelanica Patterson & Wheeler 1942:100.
nigropunctata van der Wulp 1892:216. Consider. syn. of *repleta* Wollaston.
nigrosparsa Strobl 1898b:267. Type of subg. *Spinodrosophila*.
nigrospiracula Patterson & Wheeler 1942:81.
nigrovittata Malloch 1924b:352. To *Dettopomyia*.
nikananu Burla 1954a:160.
nipponica Kikkawa & Peng 1938:531.
nitens Buzzati-Traverso 1943:2. Syn. of *rufifrons* Loew.
nitidapex Bigot 1891:279. Sp. inc., prob. not *Drosophila*.
nitidithorax Malloch 1927:5.
nitidiventris Macquart 1835:551. Consider. syn. of *fenestrarum* Fallén.
niveopunctata Dufour 1846b:318. Nom. nud. acc. to Oldenberg 1914:25 ff.
nixifrons Tan, Hsu, & Sheng 1949:202.
nodosa Duda 1926a:94, 103.
nokogiri Okada 1956:84.
notabilis Lamb 1914:329. Prob. to *Hypselothyrea*.
novamaculosa Mather 1956:65. N. n. for *maculosa* Mather, not Coquillett.
novamexicana Patterson 1941a:535, as subsp. of *virilis*, later raised to sp.
novamaristata Dobzhansky & Pavan 1943:55.
novoguineensis Duda 1923:46. Err. subseq. spellings are *novoguinensis* and *guinensis*.
novopaca Mather 1956:65. N. n. for *opaca* Mather, not Williston.
nubiluna Wheeler 1949b:188.
nutrita Duda 1935b:33.
obesa Loew 1872:102. To *Rhinoleucophenga*.
obscura Fallén 1823:6.
obscurata de Meijere 1911:410.
obsecuricolor Duda 1927:190.
obsecuricornis Grimshaw 1901:71.
obsecuricornis (de Meijere 1915b:94 in *Stegana*). Consider. *Drosophila* by Duda 1924a & b.
obsecurifrons Grimshaw 1901:72.
obsecuripennis Loew 1865:183. To *Leucophenga*.
obscuroides Pomini 1940:149. Syn. of *obscura* Fallén.
obsoleta Malloch 1923:616. Consider. by Malloch (1925) as prob. same as "australis" Duda, prob. meaning *australis* Duda 1923; if true, Malloch's name is prior (Dec. 14 vs. Dec. 24).
occidentalis Spencer 1942:60.
ochracea Grimshaw 1901:61.
ochracea Duda 1927:195. Preocc.; n. n. is *neochracea* Wheeler.

- ochracella** Hendel 1936:98. Prob. to *Zygothrica* (Burla 1956).
- ochrifrons** Duda 1924a:223, & 1924b:258.
- oenopota** (Scopoli 1763:337, in *Musca*). Sp. inc., prob. not *Drosophila* (Duda 1935a).
- ohioensis** Spencer 1940b:303, as subsp. of *macrospina*.
- olaae** Grimshaw 1901:66.
- oldenbergi** Duda 1924a:204.
- omogoensis** Okada 1956:82.
- onca** Dobzhansky & Pavan 1943:40.
- onychophora** Duda 1927:208.
- opaca** Williston 1896:411. To *Clastopteromyia*.
- opaca** Mather 1955:558. Preocc.; n. n. is *novopaca* Mather.
- opisthomelaina** Nolte & Stoch of Nolte 1958: 519. Manuscript name based on prior use in the unofficial *Drosophila* Information Service. Syn. of *yakuba* Burla.
- oralis** Duda 1923:44.
- orbitalis** Sturtevant 1916:336. To *Zygothrica*.
- orbospiracula** Patterson & Wheeler 1942:70.
- ordinaria** Coquillett 1904:190.
- orkui** Brncic & Santibañez 1957:69.
- ornatifrons** Duda 1927:162.
- ornatipennis** Williston 1896:407.
- ornatipennis** de Meijere 1914:256. Preocc.; to *Leucophenga*, with n. n. *Leucophenga ornata* Wheeler.
- osornina** Brncic 1957a:97.
- pachea** Patterson & Wheeler 1942:87.
- pallida** Zetterstedt 1847:2571. To *Parascaptomyza* (Basden 1957:209).
- pallida** Williston 1896:415. Preocc.; n. n. is *willistoni* Sturtevant.
- pallidipennis** Dobzhansky & Pavan 1943:32.
- pallipes** Dufour 1846a:323. Sp. inc., prob. to Diastatidae.
- pallipes** Lamb 1914:342. Preocc.; n. n. is *lambi* Duda.
- palpalis** Adams 1905:185. To *Leucophenga*.
- palustris** Spencer 1942:63. N. n. for *lativittata* Malloch 1924, not 1923.
- panamensis** Malloch 1926:28.
- para** Pavan & Burla 1950:22.
- parabocainensis** Carson 1954:149.
- paracanalinea** Wheeler 1957:93.
- parachrogaster** Patterson & Mainland 1943: 197.
- paradoxa** Lamb 1918:159. To *Clastopteromyia*.
- paraguayensis** Duda 1927:185.
- paraguttata** Thompson 1957:98.
- paralevigata** Burla 1956:261.
- paramediotriata** Townsend & Wheeler 1955: 62.
- paramelanica** Patterson 1942b:12, as subsp. of *melanica*; should be consid. sp.
- paranaensis** de Barros 1950:266.
- parapunctipennis** Duda 1924a:205. Nom. nud. in Duda 1923:44 as var. of *punctipennis*.
- pararepleta** Dobzhansky & Pavan 1943:52. Now consid. subsp. of *mercatorum*.
- parasaltans** Magalhães 1956:276.
- paravibrissa** Duda 1924a:218, & 1924b:248.
- parenti** Villeneuve 1921:157. Syn. of *littoralis* Meigen.
- parthenogenetica** Stalker 1953:347.
- parva** Grimshaw 1901:65.
- pattersoni** Pipkin 1956:251.
- paucilineata** Burla 1957:38.
- paucipunctata** Grimshaw 1901:62.
- paulista** Dobzhansky & Pavan 1943:10. Syn. of *willistoni* Sturtevant.
- paulistorum** Dobzhansky & Pavan 1949:301.
- pavani** Brncic 1957a:88.
- pectinipes** Duda 1927:177. Manuscript name, prob. not intended for use in nomenclature.
- pengi** Okada & Kurokawa 1957:11. Equals "melanissima" of Kikkawa & Peng 1938.
- peninsularis** Patterson & Wheeler 1942:92.
- perkinsi** Grimshaw 1901:59.
- persimilis** Dobzhansky & Epling 1944:7.
- peruensis** Wheeler 1959, *antea*. N. n. for *maculipennis* Duda, not Gimmerthal.
- peruviana** Duda 1927:204.
- phalerata** Meigen 1830:83.
- picta** Zetterstedt 1847:2567: (As first published, was credited to "Staeg. in litteris").
- picticornis** Grimshaw 1901:57.
- pictifrons** Duda 1927:182.
- pictipennis** Kertesz 1901:421.
- pictipes** de Meijere 1911:411. To *Styloptera* (Duda 1924a:192); to *Dettopsomyia* (Duda 1926a:61).
- pictiventris** Duda 1925:211.
- pictula** de Meijere 1911:412. To *Paramycodrosophila*.
- pilicerus** Duda 1926a:71, 74.
- pilifacies** Malloch 1926:29.
- pilimana** Grimshaw 1901:61.
- pilosula** Becker 1908:156. Duda (1935a) consid. syn. of *fasciata* Meigen.
- pinguis** Walker 1865:128. To Lauxaniidae.
- pinicola** Sturtevant 1942:40.
- plagiata** Bezzi 1908a:197.
- platitarsus** Frota-Pessoa 1954:276.
- pleuralis** Williston 1896:411. Has been consid. *Mycodrosophila*, but is prob. *Drosophila*, subgen. *Hirtodrosophila*.
- pleurofasciata** Duda 1924a:213. Syn. of *picta* Zetterstedt.

- pleurovittata** Harrison 1954:108.
- plumosa** Grimshaw 1901:72.
- plurilineata** Villeneuve 1911:83. Syn. of *busckii* Coquillett.
- poeila** Burla & Pavan 1953:311. N. n. fui, and syn. of, *Paramycodrosophila poeciloptera* Duda 1925; see remarks *antea*.
- poeilithorax** Malloch 1925:87.
- poeilogaster** Duda 1926a:65, as var. of *latifrons* Duda.
- poeiloptera** (Duda 1925:226, in *Paramycodrosophila*).
- poeiloptera** Duda 1940:26, 34. Preocc.; replacement name is *punctatonervosa* Frey.
- poeyi** Sturtevant 1921:76. To *Zygothrica*.
- pokornyi** Duda 1924a:218.
- polita** Grimshaw 1901:71.
- pollinosa** Williston 1896:414. To Ephydriidae.
- pollinosadix** Patterson & Mainland 1944:55.
- polychaeta** Patterson & Wheeler 1942:102.
- polymorpha** Dobzhansky & Pavan 1943:19.
- polypori** Malloch 1924b: 351.
- ponderosa** Patterson & Mainland 1943:198.
- prashadi** Brunetti 1923:303.
- preciosa** de Meijere 1911:410. To *Pictostyloptera* (Duda 1924a:192), to *Dettosomyia* (Duda 1926a:61).
- procardinoides** Frydenberg 1956:60.
- procenemis** Williston 1896:412. To *Chymomyza*.
- prognatha** Sturtevant 1916: 340.
- projectans** Sturtevant 1916:342. To *Mycodrosophila*.
- prorepleta** Duda 1925:210, as var. of *repleta* Wollaston.
- prosaltans** Duda 1927:164.
- proxima** Adams 1905:186. To *Leucophenga*.
- pruinifacies** Frota Pessoa 1954:292.
- pruinosa** Duda 1940:27, 41
- pseudomelanica** Sturtevant 1916:333. Is prob. *putrida* Sturtevant, melanistic form.
- pseudoobscura** Frolova 1929:212.
- pseudosaltans** Magalhães 1956:273.
- pseudotakahashii** Mather 1957:222.
- pugionata** de Meijere 1915a:56.
- pulchella** Sturtevant 1916:327. N. n. for *bella* Williston, not Bergroth.
- pulchra** Schiner 1868:230. To *Leucophenga* (Basden, pers. comm.).
- pulchrella** Tan, Hsu, & Sheng 1949:198.
- pulla** Pavan & da Cunha 1947:10. Syn. of *guarajá* King.
- pullata** Tan, Hsu, & Sheng 1949:200.
- pulvera** Duda 1927:181. (*pulverea* is an invalid orig. spelling).
- pumilio** de Meijere 1908:153.
- punalua** Bryan 1934:438.
- punctatonervosa** Frey 1954:32. Prob. syn. of *poeiloptera* Duda 1940; the latter being preocc., this is an available replacement name.
- puncticeps** Okada 1956:94.
- punctipennis** (van der Wulp 1886:56, in *Discomyza*). Syn. of *lurida* Walker.
- punctipennis** Duda 1940:24, 29, as var. of *bicolor*; syn. of *Lisocephala unipuncta* Malloch (Burla 1954a).
- punctiscutata** Lamb 1914:333. Poss. to *Neotorygastrellu* (Burla 1954a).
- punctulata** Loew 1862:232. Syn. of *repleta* Wollaston.
- pusilla** Grimshaw 1901:70.
- pusio** Duda 1923:50.
- putrida** Sturtevant 1916:339.
- pygmaea** Duda 1926a:94, 102.
- pygmaea** Duda 1927:125, as var. of *repleta* Wollaston.
- quadrata** Sturtevant 1916:341. To *Microdrosophila*.
- quadrilineata** de Meijere 1911:396. To *Chaetodrosophilella*.
- quadrimaculata** Walker 1852:410. To *Leucophenga*.
- quadrimaculata** Adams 1905:182. Preocc.; n. n. is *adamsi* Wheeler.
- quadripunctata** de Meijere 1908:154. To *Leucophenga*.
- quadriradiata** Duda 1923:46.
- quadriseriata** Duda 1924a:211, & 1924b:255.
- quadrivittata** Okada 1956:83.
- quadrum** (Wiedemann 1830:507, in *Trypetia*).
- quinaria** Loew 1865:182.
- quineannulata** Frey 1917:31.
- racemova** Patterson & Mainland 1944:44.
- ramsdeni** Sturtevant 1916:328.
- ramulosa** Burla 1956:266.
- recamurii** Dufour 1815:201. Sp. inc.
- rectangularis** Sturtevant 1942:38.
- remota** Walker 1849:1111. Prob. not *Drosophila*.
- repleta** Wollaston 1858:117.
- reticulata** Wheeler 1957:101.
- rioensis** Patterson 1943:152, as subsp. of *meridiana*.
- ritae** Patterson & Wheeler 1942:87.
- robusta** Sturtevant 1916:331.

- rostrata** Duda 1925:219.
- ruberrima** de Meijere 1911:403.
- rubidifrons** Patterson & Mainland 1944:48.
- rubra** Sturtevant 1927:369.
- rubrifrons** Patterson & Wheeler 1942:107.
- rubrostriata** Becker 1908:155. Syn. of *busckii* Coquillett.
- rudis** Walker 1860:168. To *Leucophenga*.
- rufa** Kikkawa & Peng 1938:529.
- ruficeps** von Roser 1840:62. Sp. inc., poss. to *Scaptomyza*.
- rufifrons** Loew 1873:50.
- rufipes** Meigen 1830:87. Sp. inc., prob. to *Scaptomyza*.
- rufuloverter** Lamb 1914:344.
- saba** Burla 1954a:141.
- sadleria** Bryan 1938:41.
- salatigae** de Meijere 1914:260. To *Leucophenga*.
- saltans** Sturtevant 1916:328.
- samoensis** Harrison 1954:103.
- sanyi** Burla 1954a:113.
- scaptomyzoptera** Duda 1935a:95.
- schildi** Malloch 1924a:10.
- schmidti** Duda 1924a:213.
- scioptera** Duda 1927:179.
- scutellaris** Duda 1929:420.
- scutellata** Duda 1926a:65, 70, as var. of *dentata* Duda 1924.
- scutellimargo** Duda 1924a:206, & 1924b:243. Nom. nud. in Duda 1923:43; consid. by Duda 1926a as var. of *brunnea* de Meijere.
- seguyi** Smart 1945:56. N. n. for *subobscura* Segúy, not Collin.
- sellata** Sturtevant 1942:39. Consid. syn. of *prosaltans* Duda but consid. prob. valid sp. by Magalhães & Bjornberg 1957:448; prob. syn. of *saltans* St.
- semialba** Duda 1925:208.
- semiatra** de Meijere 1914:205.
- semiatricornis** Duda 1934:63, and 1935a:69, as var. of *graminum* in *Scaptomyza* which was consid. subg. of *Drosophila*. To *Scaptomyza*.
- seminigra** Duda 1926a:65, 68, as var. of *latifrons* Duda; consid. sp. by Malloch 1934a.
- seminole** Sturtevant & Dobzhansky 1936:577.
- senilis** Duda 1926a:91. Type of subg. *Mauvo-palpus*.
- senufo** Burla 1954a:137.
- separata** de Meijere 1911:406.
- serenensis** Brncic 1957a:78.
- sericea** Lamb 1914:326. To *Leucophenga*.
- serrata** Malloch 1927:6.
- setapex** Patterson & Mainland 1944:55.
- setifemur** Malloch 1924b:351.
- setiger** Grimshaw 1901:64.
- setosa** Villeneuve 1921:158. Syn. of *testacea* von Roser.
- setosa** Dobzhansky & Pavan 1943:46. Preocc.; syn. of *hydei* Sturtevant.
- setula** Heed & Wheeler 1957:18.
- sexlineata** Duda 1940:26, 36, as var. of *quadrimaculata* Adams.
- sexpunctata** Segúy 1938:352.
- sexvittata** Okada 1956:78.
- sharpi** Grimshaw 1901:65.
- sigmoidea** Loew 1872:103. Type of subg. *Siphlodora*.
- signata** Duda 1923:48.
- silvata** de Meijere 1916:206.
- silvestris** Basden 1954:618.
- similis** Williston 1896:415.
- similis** Lamb 1914:347. Preocc.; n. n. is *errans* Malloch; syn. of *ananassae* Doleschall.
- simplex** de Meijere 1914:266.
- simulans** Sturtevant 1919:153.
- singularis** Duda 1924a:220, & 1924b:249. Nom. nud. in Duda 1923:56.
- sogo** Burla 1954a:198.
- solennis** Walker 1860:168.
- sordida** Zetterstedt 1838:777. To *Scaptomyza*.
- sordidapex** Grimshaw 1901:63.
- sordidula** Kikkawa & Peng 1938:539.
- soror** Schiner 1868:240. Not Drosophilidae (Basden, pers. comm.).
- sororia** Williston 1896:408.
- spadieifrons** Patterson & Mainland 1944:49.
- spenceri** Patterson 1943:160.
- sphaeroocera** Thomson 1869:596. To IIeleomyzidae (Malloch 1934b:437); to Drosophilidae, genus uncertain (Sabrosky, pers. comm.).
- spinatermina** Heed & Wheeler 1957:30.
- spinicauda** Malloch 1926:30.
- spinipes** Lamb 1914:336.
- spinosemura** Patterson & Wheeler 1942:104. Poss. syn. of *nasuta* Lamb.
- splendida** Williston 1896:412. To *Clastopteromyia*.
- spurca** Zetterstedt 1847:2550. Syn. of *tristis* Fallén (Frydenberg 1955:110).
- stackelbergi** Duda 1935a:96.
- stalkeri** Wheeler 1954:52.
- sternopleuralis** Okada & Kurokawa 1957:6.
- sticta** Wheeler 1957:96.
- stonei** Pipkin 1956:254.
- striaticeps** Duda 1923:58.
- strigifrons** de Meijere 1914:264.
- strigiventris** Duda 1927:184.
- sturtevanti** Duda 1927:167.
- subacuticornis** Duda 1924a:207, & 1924b:244.
- subbadia** Patterson & Mainland 1943:198.

- subfasciata** de Meijere 1914:257.
subflavohalterata Burla 1956:264.
subfunebris Stalker & Spencer 1939:108.
subgilva Burla 1956:263.
subinfumata Duda 1925:221.
sublineata Duda 1926a:65, 69, as var. of *latifrons* Duda.
submacroptera Patterson & Mainland 1943:186.
submelanica Patterson 1942a:10. Manuscript name for *melanica* Sturtevant.
subnitida Malloch 1927:5.
subobscura Collin 1936:25.
subobscura Segúy 1938:352. Preocc.; n. n. is *segúyi* Smart.
suboccidentalis Spencer 1942:61.
subpalustris Spencer 1942:64.
subpollinosa de Meijere 1914:263. To *Leucophenga*.
subquinaria Spencer 1942:59.
subsaltans Magalhães 1956:277.
subsigmoides Patterson & Mainland 1944:26. Syn. of *flexa* Loew.
subsplendens Duda 1934:70. Descr. in *Scaptomyza* which was consid. subg. of *Drosophila*. To *Scaptomyza*.
subtilis Kikkawa & Peng 1938:541.
subviridis Patterson & Mainland 1943:140.
sucinea Patterson & Mainland 1944:31.
suffusca Spencer 1943:92.
sulcata Sturtevant 1916:330. Syn. of *colorata* Walker.
sulfurigaster Duda 1923:48. Prob. syn. of *nasuta* Lamb.
suma Burla 1954a:200.
sumatrensis Duda 1926a:73, 79.
superba Sturtevant 1916:342. To *Clastopteromyia*.
suruku Burla 1954a:107.
suturalis Wheeler 1957:100.
suzukii (Matsumura 1931:366, in *Leucophenga*).
sydneyensis Malloch 1927:5.
takahashii Sturtevant 1927:371.
tarsalis Walker 1852:412.
tarsata Schiner 1868:240.
tectifrons de Meijere 1914:263. To *Oxystyloptera*.
tendata Wheeler 1959, *antea*. N. n. for *dentata* Duda 1927, not 1924.
tenebrosa Spencer 1943:93.
tenuicauda Okada 1956:141.
tenuipes (Walker 1849:1112, in *Diastata*).
terminalis Loew 1863:32. To *Scaptomyza*.
testacea von Roser 1840:62.
texana Patterson 1940:219, as subsp. of *virilis*; now consid. subsp. of *americana* Spencer.
thienemanni Duda 1931:196.
thoracis Williston 1896:411.
tibialis Wheeler 1957:100.
tibudu Burla 1954a:194.
tigrina Buzzati-Traverso 1943:8. Syn. of *buzzatii* Patterson & Wheeler.
tjibodas de Meijere 1916:205.
tolteca Patterson & Mainland 1944:32.
torrei Sturtevant 1921:86.
tranquilla Spencer 1943:200.
transversa Fallén 1823:6.
trapeza Heed & Wheeler 1957:25.
trapezina Duda 1923:41.
triangula Wheeler 1949b:192.
triangulifer Lamb 1914:343.
triangulina Duda 1927:186.
trichiaspis Duda 1940:23, 31.
trifasciata de Meijere 1916:206.
trifiloides Wheeler 1957:81.
trifilum Frota-Pessoa 1954:292.
trilimbata Bezzi 1928:158.
tripunctata Loew 1862:231.
triseta de Meijere 1911:402.
trispina Wheeler 1949b:180.
tristani Sturtevant 1921:75.
tristipennis Duda 1924a:215, & 1924b:247. Nom. nud. in Duda 1923:53.
tristipes Duda 1924a:220, & 1924b:257.
tristis Fallén 1823:7.
tristriata Heed & Wheeler 1957:31.
trivittata Strobl 1893a:282.
tropicalis Burla & da Cunha 1949:302.
tsigana Burla & Gloor 1952:164.
tuchaua Pavan 1950:26.
tumiditarsus Tan, Hsu, & Sheng 1949:205.
uebe Burla 1954a:148.
umbripennis Hendel 1936:99.
undulata Grimshaw 1901:58.
ungarensis de Meijere 1911:407.
unicolor de Meijere 1914:266.
unicolor (Malloch 1934a:293, in *Hirtodrosophila*). Preocc.; n. n. is *unicolorata* Wheeler.
unicolorata Wheeler 1959, *antea*. N. n. for *unicolor* (Malloch), not de Meijere.
unimaculata Strobl 1893a:281.
uninubes Patterson & Mainland 1943:201.
unipectinata Duda 1924a:215, & 1924b:246.
unipunctata Patterson & Mainland 1943:182.
unispina Okada 1956:129.
unistriata Strobl 1898a:580 (usual citation is 1900:636; see references).
upoluae Malloch 1934a:305.

- ussurica* Duda 1935a:74, 98, as var. of *trivittata* Strobl.
- ustulata* de Meijere 1908:157.
- uvarum* Rondani 1875:86. Consid. syn. of *melanogaster* Meigen.
- valida* Walker 1858:232. To Lauxaniidae.
- varia* Walker 1849:1109. To *Leucophenga*.
- variegata* Fallén 1823:5. To *Amiota*, subg. *Phortica*.
- variegata* Grimshaw 1901:57. Preocc.; n. n. is *grimshawi* Oldenberg.
- varifrons* Grimshaw 1901:71.
- variopicta* Becker 1908:156. Consid. syn. of *fenestrarum* Fallén, but Basden (pers. comm.) consid. it valid sp.
- varipes* Macquart 1835:550. Sp. inc., prob. to Camillidae (Duda 1935a).
- versicolor* Mather 1955:573. Syn. of *buzzatii* Patterson & Wheeler.
- verticis* Williston 1896:413. Sp. inc.
- vibrissina* Duda 1924a:219. Syn. of *confusa* Staeger.
- victoria* Sturtevant 1942:33. Type of subg. *Pholadoris*.
- vina* Burla 1954a:112.
- viracochi* Brncic & Santibañez 1957:70.
- virgata* Tan, Hsu, & Sheng 1949:203. Poss. syn. of *annulipes* Duda (Okada).
- virginea* Meigen 1830:84. Syn. of *fenestrum* Fallén.
- virilis* Sturtevant 1916:330.
- vittata* Coquillett 1895:318. To *Parascaptomyza*.
- vittatifrons* Williston 1896:408. To *Zygothrica*.
- wheeleri* Patterson & Alexander 1952:129.
- willistoni* Sturtevant 1916:327. N. n. for *pallida* Williston, not Zetterstedt.
- willowsi* Curran 1936:42.
- xanthogaster* Duda 1924a:217, & 1924b:248.
- xanthopyga* Duda 1924a:215, as var. of *montium* de Meijere.
- xanthosoma* Grimshaw 1901:68.
- yakuba* Burla 1954a:161.
- yucatanensis* Spencer 1940a:160, as subsp. of *hydei* Sturtevant.
- zebrina* Beazzi 1928:157.
- z-notata* Bryan 1934:437.

SUMMARY

Eight new names are proposed to replace rejected junior homonyms in the genus *Drosophila*, and an annotated list of all known species, subspecies and varieties is presented. There are 1,024 names in the list, credited to 119 authors. At the time of writing, 920 species have been described in the genus, not including the 16 subspecies and 27 varieties. Of the 920 proposed species, 111 have been transferred to other genera, about 15 more should probably be transferred, about 70 are names of synonyms (including those listed as possible or probable synonyms), and 25 are new names proposed for rejected homonyms. Of the 23 species listed as transfers from other genera, only 13 remain as valid *Drosophila* species. There have been some changes from subspecific to specific status, and *vice versa*, and it is evident that several of the proposed varieties should probably be considered as valid species. Only a single fossil species has been described.

The list contains, therefore, the names of approximately 750 presumably biologically valid species. Only two women have been honored by having species named for them, while 87 men have been so honored. The single largest contributor to the list is Dr. O. Duda who was responsible for 16% of the proposed names, while 14.5% are due to the efforts of Prof. Patterson, his students and colleagues at the University of Texas.

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