

Zoologisches Museum  
Universität Zürich-Irchel  
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## On the type material of Palearctic species of Drosophilidae (Diptera)

Type specimens are important zoological objects, not only as name bearers in nomenclature but also as distinct members of taxa, especially in those cases where the identity of the taxa is doubtful. During the compilation of the Drosophilidae part of the "Catalogue of Palearctic Diptera" (BÄCHLI and ROCHA PITÉ, in press) I therefore considered it necessary to learn more about the type material of the species in question, and to draw as many conclusions as possible.

A general inquiry was made in all museums which were thought to have appropriate type material. Two main questions were put: Do you have any extant type specimens in your collections, and how are they labelled? In addition many collections of type specimens were studied partly or wholly, and supplementary information was gained by personal notes.

It is mainly due to the increasing standardization of the rules for zoological nomenclature that in recent descriptions of species-group taxa the type material is mostly specified with all the relevant details. According to the results of the inquiry, the type material of the species described after 1955 is labelled and deposited as mentioned in the descriptions, whereas for most of the species described before this date the specification of the type material and its location are not yet fully published. Consequently the data given in Table 2 are restricted to species described before 1956.

One of the results of the inquiry was that type specimens of several species were found which formerly were considered to be lost. In addition, hitherto overlooked specimens of original type-series were identified. However, many species, especially those of uncertain status, still remain without types.

Furthermore, it was found that some authors did not specify holotypes, even though this practice went against the rules. One of the aims of this paper is to clarify the type situation for such species. Therefore lectotypes are designated on the one hand for species which have syntype specimens labelled as types by the author or by a subsequent reviser, and on the other hand in cases where a detailed revision of the syntype series was assumed unnecessary.

In Table 2 all Palearctic species of Drosophilidae described before 1956 have been listed in alphabetical order. For each species, all obtainable information about the type specimens, their sex, their location and their labelling is given, together with lectotype designations and comments. In order to shorten the list, published lectotype designations and information regarding the labels have been quoted.

### Acknowledgements

This paper is based on numerous contributions by many persons. I am extremely grateful for the cooperation of the directors and curators of the museums mentioned in Table 1, as well as of some other museums. In addition, I wish to thank those persons who gave me the opportunity to study type material either on loan or during short stays as guest investigator. Furthermore I am highly indebted to Mr. E. B. BASDEN, Dr. J. MÁCA, Dr. M. R. WHEELER, Dr. H. BURLA, and Dr. T. OKADA for many valuable comments.

Table 1  
List of Museums mentioned in Table 2, with abbreviations

AMNH	American Museum of Natural History, Department of Entomology, New York, U.S.A.
AMS	Australian Museum, Sydney, Australia
BMNH	British Museum (Natural History), Department of Entomology, London, England
CMNZ	Canterbury Museum, Christchurch, New Zealand

Table 1 (Continues)

DEI	Ehemaliges Deutsches Entomologisches Institut. Jetzt: Institut für Pflanzenschutzforschung der Akademie der Landwirtschaftswissenschaften der DDR zu Berlin, Bereich Eberswalde, Abt. Taxonomie der Insekten, Eberswalde, German Democratic Republic
DTRC	<i>Drosophila</i> Type and Reference Collection, University of Texas, Austin, Texas, U.S.A.
HNHM	Hungarian Museum of Natural History, Zoological Department, Budapest, Hungary
HU	Hokkaido University, Department of Entomology, Sapporo, Japan
IEB	Istituto di Entomologia, Università degli Studi, Bologna, Italy
IRSN	Institut Royal des Sciences Naturelles, Bruxelles, Belgium
LBSU	Laboratory of Biology, Sapporo University, Sapporo, Japan
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, Mass., U.S.A.
MHNL	Musée d'Histoire naturelle, Lille, France
MLUH	MARTIN-LUTHER-Universität, Sektion Biowissenschaften, Wissenschaftsbereich Zoologie, Halle, German Democratic Republic
MNHN	Musé National d'Histoire Naturelle, Laboratoire d'Entomologie, Paris, France
MSNV	Museo civico di Storia naturale, Verona, Italy
MZF	Museo Zootogico de „La Specola“, Università degli Studi, Firenze, Italy
MZSP	Museu de Zoologia, Universidade de São Paulo, São Paulo, Brazil
NMA	Naturhistorisches Museum Admont, Admont, Austria
NMI	National Museum of Ireland, Dublin, Ireland
NMW	Naturhistorisches Museum Wien, Wien, Austria
NSMT	Natural Science Museum, Tokyo, Japan
OUM	Oxford University Museum, Hope Entomological Collections, Oxford, England
RNH	Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands
RS	Naturhistoriska Riksmuseet, Stockholm, Sweden
RSM	Royal Scottish Museum, Edinburgh, Scotland
SMN	Staatliches Museum für Naturkunde, Abteilung für Entomologie, Ludwigshafen, German Federal Republic
SPHS	School of Public Health and Tropical Medicine, University of Sydney, Sydney, Australia
USNM	United States National Museum, Department of Entomology, Washington, D.C., U.S.A.
ZIAL	Zoologickeskyj Institut, Akademii Nauk SSSR, Leningrad, U.S.S.R.
ZIH	Zoologisches Institut, Universität Hamburg, Hamburg, German Federal Republic
ZIHU	Zoological Institute, Hokkaido University, Sapporo, Japan
ZIL	Universitets Zoologiska Institution, Entomologiska Avdelning, Lund, Sweden
ZMA	Zoologisch Museum der Universiteit van Amsterdam, Afd. Entomologie, Amsterdam, Netherlands
ZMB	Zoologisches Museum, HUMBOLDT-Universität, Berlin, German Democratic Republic
ZMC	Zoological Museum, Copenhagen, Denmark
ZMH	Zoological Museum, Helsinki, Finland
ZMU	Zoologiska Museet, Uppsala Universitet, Uppsala, Sweden
ZMUC	Zoological Museum, University of Cambridge, Cambridge, England
ZMZ	Zoologisches Museum der Universität Zürich-Irchel, Zürich, Switzerland

Table 2

## List of Palearctic species of Drosophilidae described before 1956, in alphabetical order

For each species the type material, its sex and its location are specified, where known. Abbreviations used: HT = holotype, PT = paratype(s), LT = lectotype, PL = paralectotype(s), ST = syntype(s), NT = Neotype. The abbreviations of the museums are stated in Table 1. The details of each label are indicated as precisely as possible. Each label is divided from the next by a slash (/). All comments are in square brackets.

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>Aclatoxenus</i> FRAUENFELD, 1868 <i>formosus</i> LOEW, 1864 ( <i>Gitona</i> )	LT		ZMB	Coll. H. LOEW / Type / <i>Gitona formosa</i> LOEW, Type, = <i>ornata</i> Mg. / <i>Aclatoxenus syrphoides</i> FR., det. Dr. O. DUDA [Lectotype, by present designation]
	PL		ZMB	Coll. H. LOEW / Type / <i>Gitona formosa</i> LOEW, Type, = <i>ornata</i> Mg. / <i>Aclatoxenus syrphoides</i> FR., det. Dr. O. DUDA [not in NMW]
	—		—	
<i>syrphoides</i> FRAUENFELD, 1868	—		—	
<i>Amiota</i> LOEW, 1862 <i>albilabris</i> ROTH in ZETTERSTEDT, 1860 ( <i>Drosophila</i> )	HT	♂	ZIL	Bök. 21. 6. / <i>Dros. albilabris</i> ROTH, ♂, n. sp. / Type selected by E. B. BASDEN, Jany. 1955, <i>Drosophila albilabris</i> RTH. / = <i>Amiota albilabris</i> (ROTH), det. E. B. BASDEN [BASDEN, 1961]
<i>obscuripes</i> STROBL, 1910 ( <i>Phortica</i> )	LT	♂	NMA	
	—		—	[not in ZMB]
<i>alboguttata</i> WAHLBERG, 1839 ( <i>Drosophila</i> )	ST	♂	ZIL	<i>D. alboguttata</i> WAHLB., ♀ Gusum WAHLB.
<i>leucostoma</i> BECKER, 1908 ( <i>Leucophenga</i> )	—		—	[not in ZMB]
<i>flavopruinosa</i> DUDA, 1934 <i>lata</i> BECKER, 1907 ( <i>Drosophila</i> )	HT	♀	ZMB	[MÁCA, 1980] [not in ZMB]
<i>oldenbergi</i> DUDA, 1924 ( <i>Phortica</i> )	LT	♀	DEI	[ROHLFEN and EWALD, 1972, MÁCA, 1977]
<i>rufescens</i> OLDENBERG, 1914	LT	♂	DEI	[ROHLFEN and EWALD, 1972, MÁCA, 1980]
	PL	♂	DEI	[ROHLFEN and EWALD, 1972, MÁCA, 1980]
	PL		NMW	Mehadia, 5. 7. 12, OLDENBERG / Type / <i>Phortica rufescens</i> OBG., Type

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>subtusradiata</i> DUDA, 1934	LT PL	♂ ♂	ZMH ZMB	[MÁCA, 1980] Wustung b. Habelschwerdt, 1. DUDA / <i>alboguttata</i> W., ♂, d. DUDA / <i>Amiota alboguttata</i> var. <i>radiata</i> n. var., Typus / Holotype of <i>Amiota subtusradiata</i> DUDA, det. BASDEN, VI. 1959, Abdomen, wing to slide
<i>variegata</i> FALLÉN, 1823 ( <i>Drosophila</i> )	LT PL PL	♀ ♀ ♀	RS RS RS	[MÁCA, 1977, with lectotype label by BASDEN] <i>Drosophila variegata</i> ♂ / <i>Drosophila variegata</i> FLN., syntype, det. BASDEN, '55 / <i>Phortica variegata</i> (FLN.), ♀, det. BASDEN, '55 <i>D. variegata</i> ♀ / <i>Drosophila variegata</i> FLN., syntype, det. BASDEN, '55 / <i>Phortica variegata</i> (FLN.), ♀, det. BASDEN, '55
<i>Cacoxenus</i> LOEW, 1858 <i>argyreator</i> FREY, 1932	LT PL	♂ ♂	ZMH ZMH	[MCALPINE, 1968] [MCALPINE, 1968]
<i>exiguus</i> DUDA, 1924	LT PL PL PL PL	♂ ♂♂ ♂ ♂ ♂	ZMB ZMB ZMB ZMB	[MCALPINE, 1968] 6. 5. 23 / Wustung b. Habelschwerdt, 1. DUDA / <i>Cacoxenus exiguus</i> DUDA, ♂, det. Dr. O. DUDA 21. 5. 23 / Wustung b. Habelschwerdt, 1. DUDA / <i>Cacoxenus exiguus</i> DUDA, det. Dr. O. DUDA / Syntype ♂ 24. 5. 23 / Wustung b. Habelschwerdt, 1. DUDA / <i>Cacoxenus exiguus</i> ♂ 31. 5. 23 / Wustung b. Habelschwerdt, 1. DUDA / <i>Cacoxenus exiguus</i> ♂ / Syntype ♂
<i>indagator</i> LOEW, 1858	LT PL	♂ —	ZMB —	Silesia, 5. 58 / Coll. H. LOEW / Type / <i>Cacoxenus indagator</i> m. / Lectotype ♂, <i>Cacoxenus indagator</i> LOEW, designated by D. E. HARDY, 1958 [Lectotype, by present designation] Silesia, 5. 58 / Coll. H. LOEW / Type [not in ZIH]
<i>obscura</i> KRÖBER, 1912 ( <i>Paragiglona</i> )	HT	♂	NMW	Semmering, Juni 1923
<i>inquilinus</i> HENDEL, 1933	LT	♂	USNM	Honolulu, Oahu, Coll. O.H.S. / ex mealybugs on sugar cane / Type No. 19070, U.S.N.M. / <i>Gitonides perspicax</i> KNAB
<i>perspicax</i> KNAB, 1914 ( <i>Gitonides</i> )				[Lectotype, by present designation] [variously labelled, mostly from Honolulu] [MCALPINE, 1968]
<i>punctatus</i> DUDA, 1924	PL LT PL PL PL	♂ ♂ ♂ ♀ ♀♀	USNM ZMB ZMB ZMB ZMB	Formosa, SAUTER / Takao, 1907, X. 24 / <i>Cacoxenus punctatus</i> , ♂, det. Dr. O. DUDA / Syntype ♂ Formosa, SAUTER / Anping, 1912, V / <i>Cacoxenus punctatus</i> , ♀, det. Dr. O. DUDA / phot. / Syntype ♀ Formosa, SAUTER / Takao, 1907, X. 26 / Busch / <i>Cacoxenus punctatus</i> D., ♀, det. Dr. O. DUDA [MCALPINE, 1968] [MCALPINE, 1968]
<i>vlasovi</i> DUDA, 1934	LT PL PL	♂ ♀♀ —	ZIAL ZIAL ZMB	Ashkhabad
<i>Chymomyza</i> CZERNY, 1903 <i>amoena</i> LOEW, 1862 ( <i>Drosophila</i> )	ST	♂	MCZ	MCZ type No. 13416
<i>caudatula</i> OLDENBERG, 1914	HT	♂	DEI	[ROHLFEN and EWALD, 1972]
<i>costata</i> ZETTERSTEDT, 1838 ( <i>Drosophila</i> )	ST ST ST ST	♂ ♂ ♂ ♂♀	ZIL ZIL ZIL ZIL	<i>D. costata</i> ♂ Asele Lapp. <i>D. costata</i> Umenäs ♀ <i>D. costata</i> ♂ Asele Lapp. [black squares only]
<i>distincta</i> EGGER, 1862 ( <i>Drosophila</i> )	LT	♂	NMW	Austria, coll. EGGER / <i>distincta</i> , det. EGGER / <i>Chym. distincta</i> Egg. (= <i>fuscimana</i> OLD. nec. ZTT.), det. BASDEN, 1955 [Lectotype, by present designation]
<i>oldenbergi</i> DUDA, 1934	LT PL PL PL PL PL PL PL PL	♂ ♂ ♂ ♂♂ ♂♂ ♀ ♂♀ ♂♂	DEI DEI DEI DEI DEI DEI DEI DEI	Germany, coll. OLDENBERG, 8.98 / Lamellen, kurz gewimpt. / <i>distincta</i> EGG. / <i>fuscimana</i> nec <i>distincta</i> , det. Dr. O. DUDA / coll. OLDENBERG [Lectotype, by present designation] Berlin Grun., 24. 8. / Schatten mehr fleckenartig / coll. OLDENBERG Pichelsberg, 4. 6. 98, Berlin / A / coll. OLDENBERG Berlin Gd. . . . / Fg. dunkler / A / coll. OLDENBERG / <i>Drosophila fuscimana</i> ZETT. Berlin Finkenkrug, 7. 6. 06 / coll. OLDENBERG Berlin Gd, 24. 8. 06 / <i>Dros. fusc.</i> Z. / coll. OLDENBERG Berlin Pichelsberg, 4. 10. 06 / Breite braune Fg. / Striemen / coll. OLDENBERG Berlin P., 16. 9. 00 / phot / coll. OLDENBERG Berlin Gd., 24. 8. 06 Berlin Gd., 24. 8. 06 / <i>Chymomyza fuscimana</i> Z., det. OLDENBERG

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>fuscimana</i> ZETTERSTEDT, 1838 ( <i>Drosophila</i> )	ST	♂	ZIL	<i>D. fuscimana</i> ♂ Nordanäs
<i>albopunctata</i> BECKER, 1900 ( <i>Drosophila</i> )	ST	♂	ZIL	<i>D. fuscimana</i> ♂ Nåstansjö
<i>obscura</i> DE MEIJERE, 1911 [ <i>Amphoroneura</i> ]	HT	♀	ZMH	Insel Nikander
<i>procnemis</i> WILLISTON, 1896 ( <i>Drosophila</i> )	LT		ZMA	Batavia, Java, Aug. 1908, Type
	PL		ZMA	[Lectotype, by present designation]
	ST		BMNH	Batavia, Java, Aug. 1908
				St. Vincent, W. I.
<i>Dettopsomyia</i> LAMB, 1914	HT	♂	SPHS	Sydney, 28 August 1921
<i>nigrovittata</i> MALLOCH, 1924 ( <i>Drosophila</i> )	LT		ZMA	Wonosobo, Java, Apr. 1909, Type
<i>pictipes</i> DE MEIJERE, 1911 ( <i>Drosophila</i> )	PL		ZMA	[Lectotype, by present designation]
<i>sumatrana</i> DUDA, 1926	ST	♂♀	RNH	Wonosobo, Java, Apr. 1909
	ST	♂♀	ZMB	Fort de Kock, Sumatra, 920 m, leg. E. JACOBSON, 1925
				Fort de Kock, Sumatra, 920 m, leg. E. JACOBSON, 1925 / <i>pictipes</i> var. <i>sumatrana</i> , d. DUDA
<i>Drosophila</i> FALLÉN, 1823	ST	♂	OUM	Torcross, 12. 7. 03, Col. Y.
<i>acuminata</i> COLLIN, 1952	ST	♂	OUM	Padstow, IX. 02, C. G. LAMB
<i>afer</i> TAN, HSU and SHENG, 1949	—		—	[All type specimens of species described by TAN, HSU and SHENG have been lost — pers. communication of T. C. TAN to M. R. WHEELER]
<i>alboralis</i> MOMMA and TAKADA, 1954	LT	♂	ZIHU	Mt. Taietsu, Hokkaido
	PL		LBSU	[Lectotype, by present designation]
<i>alpina</i> BURLA, 1948	HT	♂	ZMZ	Mt. Taietsu, Hokkaido
<i>ambigua</i> POMINI, 1940	?		—	<i>D. alpina</i> n. sp., Type, ♂, Fetan, VIII. 1947
				[In POMINI's collections deposited in IEB and MSNV no specimens are labelled as types in spite of POMINI's statement in the publication in 1940] [not located]
<i>ananassae</i> DOLESCHALL, 1858	—		ZMUC	Mahé, Seychelles Exp., '08—9, Cotype
<i>similis</i> LAMB, 1914	ST	♂	AMNH	Havana, Cuba, 1915
<i>caribea</i> STURTEVANT, 1916	HT	♂	AMNH	Havana, Cuba, 1915
	PT	♂	ZMB	Bred-plantain / Havanna, Cuba, Jan. Febr. 1915 / Paratype / <i>Drosophila caribea</i> STRT. / Flügel phot. 2. 6. 25
<i>andalusiaca</i> STROBL, 1906	HT	♀	NMA	[BASDEN 1961, as lectotype]
<i>forcipata</i> COLLIN, 1952	ST	♂♀	OUM	Studland, 20. 8. 06
<i>annulipes</i> DUDA, 1924	ST	♂♀	DEI	[ROHLFEN and EWALD, 1972]
<i>virgata</i> TAN, HSU and SHENG, 1949	—		—	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
<i>auraria</i> PENG, 1937	—		—	[not in NSMT]
<i>bifasciata</i> POMINI, 1940	?		NSMT	[see comments on <i>D. ambigua</i> POMINI]
<i>bizonata</i> KIKKAWA and PENG, 1938	ST		—	Kyoto, Aug. '36 / N. CHINO & F. T. PENG
<i>brevicornis</i> DUDA, 1935	HT		ZIAL	Jakovlevka, Spas. u., Ussur. kr., 23. VI. 926, N 613, (DJAKONOV i FILIPJEV)
<i>busckii</i> COQUILLETT, 1901	LT		USNM	5577, on rotten potatoes / In Nov. 17. 92 / Type No. 5396, U.S.N.M.
	PL	♀	USNM	[Lectotype, by present designation]
<i>rubrostriata</i> BECKER, 1908	LT	♀	ZMB	[different labels]
	PL	♀	—	Vill. Orotava II 47105 / <i>busckii</i> COQU., det. Dr. O. DUDA / Typus
	LT	♀	ZMB	[Lectotype, by present designation]
	PL	—	DEI	Villa Orotava II 47105 / = <i>busckii</i> COQU., det. Dr. O. DUDA / Typus
<i>plurilineata</i> VILLENEUVE, 1911	ST		ZMB	[ROHLFEN and EWALD, 1972]
	ST		—	Paris, I. 1911 / <i>Drosophila plurilineata</i> VILLENEUVE i. litt. / <i>busckii</i> COQU., det. Dr. O. DUDA
<i>buzzatii</i> PATTERSON and WHEELER, 1942	ST	♂♀	AMNH	Cordoba, Argentina
	ST	—	DTRC	Cordoba, Argentina
	LT	—	—	[not located]
<i>tigrina</i> BUZZATI-TRAVERSO, 1943	LT	♂	AMS	[DANIELS, 1978, as holotype. Lectotype, by present designation]
<i>versicolor</i> MATHER, 1955	PL	♀	AMS	[DANIELS, 1978, as allotype]
	PL	♂♀	AMS	[DANIELS, 1978, as paratypes]
	LT	♀	NMI	Hollywood / HALIDAY, 20. 2. '82 / Named by J. E. COLLIN / Lectotype designated by E. B. BASDEN, 1952 / <i>Drosophila cameraria</i> HAL., det. E. B. BASDEN, 1952, ♀
<i>cameraria</i> HALIDAY, 1833	PL	♂	NMI	[Lectotype, by present designation]
				Ireland / HALIDAY, 20. 2. '82 / Lectoallotype designated by E. B. BASDEN, 1952 / <i>Drosophila cameraria</i> HAL. det. E. B. BASDEN, '52, ♂

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>unistriata</i> STROBL, 1898	LT	♂	NMA	[BASDEN, 1961]
	PL	♀♀	NMA	[BASDEN, 1961, as syntypes]
<i>latestriata</i> BECKER, 1908	LT	♂	ZMB	Teneriffe, XII, 51357 / <i>latestriata</i> BECKER, det. Dr. O. DUDA
	PL	♀	ZMB	[Lectotype, by present designation] Teneriffe, XII, 46735 / <i>latestriata</i> BECKER
<i>jungicola</i> VILLENEUVE, 1921	—	—	—	[not in IRSN]
<i>cheda</i> TAN, HSU and SHENG, 1949	—	—	—	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
<i>ciliatris</i> HERING, 1940	HT	♂	DEI	[ROHLFIEN and EWALD, 1972, MORGE, 1976]
<i>confusa</i> STAEGER, 1844	LT	♂	ZMC	[FRYDENBERG, 1956]
<i>vibrissina</i> DUDA, 1924	PL	♂	ZMC	[FRYDENBERG, 1956]
	LT	♂	DEI	[ROHLFIEN and EWALD, 1972, Lectotype, by present designation, with lectotype label by FRYDENBERG]
	PL	♂♀	DEI	[ROHLFIEN and EWALD, 1972]
	PL	♂	ZMB	Mehadia, 3, 7, 12 / <i>histrio</i> (MG.), SCHIN. et OLD. / <i>Drosophila vibrissina</i> ♂♀ / Typus
<i>grischuna</i> BURLA, 1951	PL	♂♂	ZMB	Mehadia, 11, 6, 04 / <i>vibrissina</i> DUDA ♂ / Typus <i>vibrissina</i> DUDA ♀, Hyp. gezeichnet
	PL	♀	ZMB	<i>D. grischuna</i> n. sp., T, Braunwald, 1950
	LT	♂	ZMZ	[Lectotype, by present designation]
<i>coracina</i> KIKKAWA and PENG, 1938	PL	♂♀	ZMZ	<i>D. grischuna</i> n. sp., Paratypes, Braunwald, 1950
<i>deflexa</i> DUDA, 1924	ST	♂♀	NSMT	Simoda, Nov. '35 / H. NIYAMA & H. KATAYAMA
	ST	♂♀	ZMB	Wustung b. Habelschwerdt, 1. DUDA [different collection dates]
	ST	♀♀	ZMB	Guhla b. Nimptsch / 29. 8. 12 / <i>D. deflexa</i> DUDA ♀
<i>guyenoti</i> BURLA, 1948	HT	♂	ZMZ	<i>D. guyenoti</i> n. sp., Type, Therwil, VI. 1947
	PT	♀	ZMZ	<i>D. guyenoti</i> n. sp., Cotypen, Therwil, VI. 1947
<i>fenestrarum</i> FALLÉN, 1823	LT	♂	RS	<i>Drosophila fenestrarum</i> FLN., lectotype ♂, selected by E. B. BASDEN, 1956
	PL	♀	RS	[Lectotype, by present designation]
<i>virginea</i> MEIGEN, 1830	LT	♀♀	RS	<i>D. fenestrarum</i> ♂ / <i>D. fenestrarum</i> , syntype ♀, det. BASDEN '56
	PL	♂	RS	<i>D. fenestrarum</i> , syntype ♂, det. BASDEN '56
	PL	♀	RS	<i>D. fenestrarum</i> ♀ / <i>D. fenestrarum</i> , syntype ♀, det. BASDEN '56
	PL	♀♀	RS	<i>D. fenestrarum</i> , syntype ♀, det. BASDEN '56
	LT	♀	NMW	<i>virginea</i> , Coll. WINTH. / <i>virginea</i> / <i>fenestrarum</i> FLN., det. BASDEN, 1955
	ST	♂♀	RNH	[Lectotype, by present designation]
<i>hirsuta</i> DUDA, 1926	ST	♀	ZMB	Fort de Kock, Sumatra, 920 m, leg. E. JACOBSON, 1925
	ST	♀	ZMB	Fort de Kock, Sumatra, 920 m, leg. E. JACOBSON, 1925 / <i>hirsuta</i> ♀, d. DUDA
<i>ficusphila</i> KIKKAWA and PENG, 1938	ST	♀	NSMT	<i>fenestrarum</i> var. <i>hirsuta</i> ♀, d. DUDA
<i>funebris</i> FABRICIUS, 1787 ( <i>Musca</i> )	ST	♀♀	ZMC	Kôhu, Sept. '34 / T. KAMIZAWA & M. HIRAGA
<i>clarkii</i> HUTTON, 1901	HT	♀♀	CMNZ	<i>M. funebris</i> Christchurch, H. CLARK
<i>atkinsoni</i> MILLER, 1921	—	—	—	[MILLER, 1950]
( <i>Leucophenga</i> )	HT	—	—	
<i>dudai</i> MALLOCH, 1934	PT	—	USNM	Angol, Chile
<i>grandis</i> KIKKAWA and PENG, 1938	ST	—	USNM	Angol, Chile
<i>helvetica</i> BURLA, 1948	HT	♂	ZMZ	Kôhu, Sept. '34 / T. KAMIZAWA & M. HIRAGA
	PT	♂♀	ZMZ	<i>D. helvetica</i> n. sp., Type ♂, Vitznau, VII. 1947
<i>histrio</i> MEIGEN, 1830	—	—	—	<i>D. helvetica</i> n. sp., Cotypen, Vitznau, VII. 1947
<i>pokornyi</i> DUDA, 1924	ST	♂♀	ZMB	[A specimen in NMW labelled <i>histrio</i> in MEIGEN's handwriting, but being <i>D. phalerata</i> MEIGEN may not be accepted as lectotype]
	HT	♂	AMNH	Tyrols, Pieve di Ledro / <i>Drosophila confusa</i> / Coll. POKORNÝ / <i>Drosophila Pokornyi</i> DUDA, d. DUDA / Typus
<i>hydei</i> STURTEVANT, 1921	HT	♂	AMNH	Lakeland, Florida
<i>setosa</i> DOBZHANSKY and PAVAN, 1943	HT	♂	MZSP	Mogí das Cruzes, São Paulo, IV. 943
	PT	—	MZSP	Mogi das Cruzes, São Paulo, IV. 943
<i>immigrans</i> STURTEVANT, 1921	HT	♂	AMNH	White Plains, N.Y., 1919
<i>brouni</i> HUTTON, 1901	HT	♂♀	CMNZ	Auckland, H. SUTER
<i>ciliifemur</i> VILLENEUVE, 1923	LT	♂♂	MNHN	[ROCHA PITÉ and TSACAS, 1980]
	PL	♂♀	MNHN	[ROCHA PITÉ and TSACAS, 1980]
	PL	—	ZMB	Paris, 1-1911 / <i>Drosophila ciliifemur</i> VILLENEUVE
	PL	—	ZMB	Paris, 1-1911 / <i>ciliifemur</i> VILLENEUVE, von Dr. V. er-halten
<i>iri</i> BURLA, 1954	HT	♂	ZMZ	<i>D. iri</i> , T, Adzopé, 8, 51, ♂ / Coll. H. BURLA, Côte d'Ivoire 1951
<i>kitkawai</i> BURLA, 1954	NT	♂	ZMZ	Rio de Janeiro, VIII. 54
				[HARDY, 1965]

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>kuntzei</i> DUDA, 1924	LT	♂	ZMB	7. 10. 20 / St. Wendel, Rheinl., DUDA / <i>D. kuntzei</i> ♂, det. Dr. O. DUDA / phot. Typus [Lectotype, by present designation]
	PL	♂♀	ZMB	St. Wendel, Rheinl., DUDA / <i>D. kuntzei</i> D. / Typus [different collection dates]
<i>latifrontata</i> FROTA-PESSOA, 1945	LT	♂	HNHM	[BÄCHLI, 1974]
	PL	♂♀	HNHM	[BÄCHLI, 1974, as paratypes]
	PL	♂♀	ZMB	Formosa, SAUTER / Kosempo, 908.III / <i>carinata</i> , det. Dr. O. DUDA
	PL	♂♀	ZMB	Formosa, SAUTER / Fuhoshio, 909.VII / <i>carinata</i> , det. Dr. O. DUDA
<i>lebanonensis</i> WHEELER, 1949	HT	♂	DTRC	Beirut / No. 1733.1
	PT	♂♀	DTRC	Beirut / No. 1733.1
<i>limbata</i> VON ROSER, 1840	LT	♂	SMN	<i>limbata</i> , m. / Württemberg, v. ROSER / Typus v. ROSER / <i>Dros. limbata</i> v. ROSER, lectotype (v. Ros. 7) selected by E. B. BASDEN, 1957
	PL	♂	SMN	[Lectotype, by present designation]
<i>littoralis</i> MEIGEN, 1830	—	—	—	<i>Drosophila littoralis</i> v. R., v. ROSER / <i>Dros. limbata</i> v. Ros. (v. Ros. 10), syntype, det. BASDEN, '57
<i>parenti</i> VILLENEUVE, 1921	ST	♂♀	ZMB	[not located]
<i>lugubrina</i> DUDA, 1924	ST	♂♀	ZMB	Trescault (P. d. C.) / <i>Drosophila PARENTI</i> n. sp. Wustung b. Habelschwerdt, 1. DUDA
<i>imereensis</i> SOKOLOV, 1948	—	—	—	[different collection dates]
<i>lundstroemi</i> DUDA, 1935	HT	♂	ZMH	[not located]
<i>lutescens</i> OKADA, 1975	ST	—	NSMT	Tuovilanlaks
<i>lutea</i> KIKKAWA and PENG, 1938	—	—	—	Ayabe, July '36 / H. KIKKAWA
<i>melanogaster</i> MEIGEN, 1830	LT	♂	MNHN	[ROCHA PITÉ and TSACAS, 1980]
	PL	♀♀	MNHN	[ROCHA PITÉ and TSACAS, 1980]
	LT	♂	NMW	<i>fasciata</i> , Coll. WINTH. / <i>ampeloph.</i> / <i>melanogaster</i> Mg., det. BASDEN 1955
	PL	♀♀	NMW	[Lectotype, by present designation]
<i>nigriventris</i> MACQUART, 1843	LT	♂	MNHN	<i>fasciata</i> , Coll. WINTH. / <i>ampeloph.</i> / <i>melanogaster</i> Mg., det. BASDEN 1955
	PL	♂♀	MNHN	[TSACAS, 1967]
<i>approximata</i> ZETTERSTEDT, 1847	LT	♀	ZIL	[TSACAS, 1967]
	PL	♀	ZIL	<i>D. approximata</i> ♀, Smoland. / Lectotype of <i>Drosophila approximata</i> ZETT., selected by E. B. BASDEN 1960 [Lectotype, by present designation]
	PL	♀	ZIL	Smol. / Syntype of <i>Drosophila approximata</i> ZETT., selected by E. B. BASDEN 1960
	LT	—	—	Lund / Syntype of <i>Drosophila approximata</i> ZETT., selected by E. B. BASDEN, 1960
<i>ampelophila</i> LOEW, 1862	ST	—	MCZ	<i>ampelophila</i> m. / MCZ No. 13415
	ST	—	MCZ	Cuba / MCZ No. 13415
<i>uvvarum</i> RONDANI, 1875	LT	♂	MZF	No. 2162
	PL	♂♀	MZF	[Lectotype, by present designation]
<i>pilosula</i> BECKER, 1908	LT	♂	ZMB	No. 2162
	PL	—	ZMB	Teneriffe, XII, 46732 / <i>Drosophila pilosula</i> BECK., det. BECKER / <i>ampelophila</i> LOEW, det. Dr. O. DUDA / Typus [Lectotype, by present designation]
	PL	—	ZMB	Teneriffe, XII, 46627 / Typus
	PL	—	ZMB	Teneriffe, XII, 46731 / Typus
<i>mercatorum</i> PATTERSON and WHEELER, 1942	ST	—	AMNH	Orotava, I, 46943 / Typus
	ST	—	USNM	Santa Barbara, California
	ST	—	DTRC	Santa Barbara, California
<i>carinata</i> GRIMSHAW, 1901	ST	♂+♀	BMNH	Santa Barbara, California
	ST	♂+♀	RSM	Hawaii: Kona, 4000 ft
	HT	♂	MZSP	Olaa, Hawaii, VII. 1895, R. C. L. PERKINS
<i>pararepleta</i> DOBZHANSKY and PAVAN, 1943	PT	♂	MZSP	[Type material of other species of <i>Drosophila</i> described by GRIMSHAW is also in RSM]
<i>miki</i> DUDA, 1924	LT	♂	NMW	Mogi das Cruzes, São Paulo, V-1949
	PL	♂	NMW	Mogi das Cruzes, São Paulo, V-1949
	PL	♂	NMW	[LAŠTOVKA and MÁČA, 1978]
	PL	♂	NMW	[LAŠTOVKA and MÁČA, 1978]
	PL	♂	NMW	Austr. inf., Wien, 28. 6. 72, MIK / <i>Drosophila Miki</i> n. sp. ♂, det. Dr. O. DUDA / <i>Drosophila miki</i> DUDA, Lectotype ♂, selected by E. B. BASDEN, 1956
	PL	♂	NMW	Austr. inf., Wien, 28. 6. 72, MIK / <i>Miki</i> D., det. Dr. O. DUDA / <i>Drosophila miki</i> DUDA. Syntype ♂, det. E. B. BASDEN, 1956
	PL	♂	NMW	Austr. inf., Wien, 28. 6. 72, MIK / <i>D. Miki</i> D., det. Dr. O. DUDA
	PL	♂	ZMB	Austr. inf., Wien, 28. 6. 72, MIK / <i>Drosophila miki</i> DUDA, ♂, det. DUDA

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>montana</i> PATTERSON and WHEELER, 1942	ST		DTRC	Gran Teton National Park, Wyoming
<i>nigricolor</i> STROBL, 1898	LT	♂	NMA	[BASDEN, 1961]
	PL	♂	NMA	[BASDEN, 1961, as syntype]
	ST		NSMT	Sapporo, Oct. '35 / S. MAKINO
<i>nigromaculata</i> KIKKAWA and PENG, 1938	LT	♂	NMA	[BASDEN, 1961]
<i>nigrosparsa</i> STROBL, 1898	PL	♀	NMA	[BASDEN, 1961, as syntype]
	ST		NSMT	Ayabe, July '36 / H. KIKKAWA
<i>nipponica</i> KIKKAWA and PENG, 1938	LT	♂	RS	<i>D. obscura</i> ♀ / <i>Dros. obscura</i> , lectotype, selected by E. B. BASDEN, 1956, v. CAIN et al., 1952 [CAIN et al., 1952. Lectotype, by present designation] [not in MLUH or ZMB]
<i>obscura</i> FALLÉN, 1823	—		—	[see comments on <i>D. ambigua</i> POMINI]
<i>meigeni</i> DUDA, 1935	?		—	[ROHLFEN and EWALD, 1972, BÄCHLI, 1972, as holotype. Lectotype, by present designation]
<i>obscuroides</i> POMINI, 1940	LT	♂	DEI	[ROHLFEN and EWALD, 1972]
<i>oldenbergi</i> DUDA, 1924	PL		DEI	Mehadia, 13. 7. 12 / <i>oldenbergi</i> , det. Dr. O. DUDA
	PL	♂	ZMB	<i>phalerata</i> , Coll. WINTH. / <i>phalerata</i> / <i>phalerata</i> MEIGEN, det. Dr. O. DUDA / <i>phalerata</i> MG., det. BASDEN, '56 [Lectotype, by present designation]
<i>phalerata</i> MEIGEN, 1830	LT	♂	NMW	<i>phalerata</i> , Coll. WINTH. / <i>phalerata</i> MG., det. BASDEN, 1955
	PL	♀	NMW	<i>phalerata</i> , Coll. WINTH.
	PL	♂	NMW	No. 2454
	PL	♂	MNHN	[FRYDENBERG, 1955]
	HT	♂	ZMC	[not in IRSN]
<i>picta</i> ZETTERSTEDT, 1847	—		—	[ROHLFEN and EWALD, 1972]
<i>macularis</i> VILLENEUVE, 1921	ST		DEI	Budapest, PÁVEL / <i>pleurofasciata</i> ♂, det. DUDA / Zeichn.
<i>pleurofasciata</i> DUDA, 1924	ST	♂	ZMB	Berlin Pichelsberg, 12. 3. 99 / <i>mesosternalis</i> , ♀, nec <i>funebris</i> , det. Dr. O. DUDA / <i>macularis</i> VILLENEUVE, ♀, d. DUDA.
<i>polychaeta</i> PATTERSON and WHEELER, 1942	ST		AMNH	Galveston, Texas
	ST		DTRC	Galveston, Texas
<i>pulchrella</i> TAN, HSU and SHENG, 1949	—		—	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
<i>pullata</i> TAN, HSU and SHENG, 1949	—		—	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
<i>repleta</i> WOLLASTON, 1858	LT		BMNH	[COE, 1943]
	PL		BMNH	Funchal, Madeira
	ST		MCZ	<i>punctulata</i> / Cuba, Poey / MCZ No. 13422
	LT	♂	NMW	Aschanti (REITTER) / <i>Drosophila adspersa</i> MIK [Lectotype, by present designation]
<i>punctulata</i> LOEW, 1862	PL	♀	NMW	Austr. inf., Wien, 30. 9. 86, MIK / <i>adspersa</i>
<i>adspersa</i> MIK, 1886	PL	♀	NMW	Aschanti (REITTER) / <i>Drosophila adspersa</i> MIK
	PL	♀	NMW	Costa Rica, Suiza de Turrialba, 29. VI. / <i>Drosophila pararepleta</i> ♀ n. sp. ?, det. Dr. O. DUDA / <i>pararepleta</i> ♀ type, det. DUDA
<i>prorepleta</i> DUDA, 1925	LT	♀	HNHM	[Lectotype, by present designation]
	PL	♀	HNHM	Costa Rica, Suiza de Turrialba, 28. VI. / <i>pararepleta</i> ♀, det. Dr. O. DUDA
	PL	♀	MZSP	Mogi das Cruzes, São Paulo, IV. 943
<i>austrorepleta</i> DOBZHANSKY and PAVAN, 1943	HT	♂	MZSP	Mogi das Cruzes, São Paulo, IV. 943
	PT		MZSP	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
	—		—	[see comments on <i>D. afer</i> TAN, HSU and SHENG]
<i>repletoides</i> HSU, 1943	—		—	[not located]
<i>tumiditarsus</i> TAN, HSU and SHENG, 1949	—		—	Kōhū, Dec. '35 / M. HIRAGA
<i>hayashii</i> OKADA, 1955	—		—	Kasan, 20. 6. 71 [Lectotype, by present designation]
<i>rufa</i> KIKKAWA and PENG, 1938	ST		NSMT	[not located]
<i>rufifrons</i> LOEW, 1873	LT	♀	ZMB	Fenyöffö / holotype ♂, TSACAS, 1978
	—		—	[Lectotype, by present designation]
<i>nitens</i> BUZZATI-TRAVERSO, 1943	—		—	Fenyöffö
<i>scaptomyzoptera</i> DUDA, 1935	—		—	SCHMIDT / <i>Drosophila Schmidtii</i> DUDA
<i>schmidti</i> DUDA, 1924	LT	♂	HNHM	Lakeland, Fla.
	PL	♂	HNHM	Sapporo, Sept.-Oct. '34 / S. MAKINO
	PL	♂	ZMB	Ussuri-Geb., ŠTAKELBERG, 927 / 12 / <i>Drosophila Stackelbergi</i> DUDA, ♂, det. DUDA, Type
<i>simulans</i> STURTEVANT, 1919	HT	♂	AMNH	
<i>sordidula</i> KIKKAWA and PENG, 1938	ST	♂	NSMT	
<i>stackelbergi</i> DUDA, 1935	HT	♂	ZMB	

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>subobscura</i> COLLIN in GORDON, 1936	ST ST ST ST ST	♂♂ ♂♂ ♂♂ ♀ ♀	OUM OUM OUM OUM OUM	P. V. Kirtling, 11. 12. 98 Sevenoaks, 5. 7. 31 Bred Kew diseased Iris, X. 18 Bred Kew diseased Iris root, X. 18 Raylands, Newmarket, window, 3. 7. 31
<i>subsilvestris</i> HARDY and KANESHIRO, 1968	HT	♀	BMNH	Lugton Bogs Wood, Dalkeith (Midlothian), at apple bait
<i>silvestris</i> BASDEN, 1954	PT PT	♂♀ ♂♀	BMNH RSM	[different localities] [different localities]
<i>subtilis</i> KIKKAWA and PENG, 1938	ST		NSMT	Kyoto, July '36 / H. KIKKAWA
<i>suzukii</i> MATSUMURA, 1931 ( <i>Leucophenga</i> )	ST		HU	Aomori, 11 X 1916, NISHIYA coll.
<i>takahashii</i> STURTEVANT, 1927	HT PT		AMNH AMNH	Taihoku, Formosa, March, 1924 Taihoku, Formosa, March, 1924
<i>testacea</i> VON ROSER, 1840	LT PL	♂ ♂	SMN	<i>testacea</i> m. / <i>Drosophila flava</i> FLL., det. BECKER / <i>testacea</i> v. ROSER nec <i>flava</i> F., det. Dr. O. DUDA / Typus v. ROSER / <i>Dros. testacea</i> v. Ros., syntype (top) and lectotype (v. Ros. Nos. 1, 2), selected by E. B. BASDEN, 1957
<i>nigrithorax</i> STROBL, 1894	PL	♂♀	SMN	[Lectotype, by present designation] <i>Drosophila flava</i> FLL., det. BECKER / Dr. <i>testacea</i> v. ROSER, det. Dr. O. DUDA / <i>Dros. testacea</i> , 3 syntypes (v. Ros. Nos. 3 (top), 4, 5), det. E. B. BASDEN, '57
<i>setosa</i> VILLENEUVE, 1921	—		—	[not in IRSN]
<i>transversa</i> FALLÉN, 1823	LT	♂	RS	<i>Drosophila transversa</i> FLN., lectotype ♂, selected by E. B. BASDEN, 1956 / Right wing to slide, E. B. BASDEN '56
<i>laeta</i> ZETTERSTEDT, 1847	PL PL PL LT	♀ ♀ ♀ ♀	RS RS RS ZIL	[Lectotype, by present designation] <i>D. transversa</i> ♂ / <i>D. transversa</i> , syntype ♀, det. E. B. BASDEN '56 <i>D. transversa</i> ♀ / <i>D. transversa</i> , syntype ♀, det. E. B. BASDEN '56 <i>D. transversa</i> , syntype ♀, det. BASDEN '56 var. b. <i>laeta</i> ♀, Paradislyckan / Lectotype of <i>Drosophila laeta</i> ZETT., selected by E. B. BASDEN, 1960
<i>subquinaria</i> SPENCER, 1942	PL	♀	ZIL	[Lectotype, by present designation] Ostrog. / Syntype of <i>Drosophila laeta</i> ZTT., selected by E. B. BASDEN, 1960
<i>tristis</i> FALLÉN, 1823	—		—	[WHEELER, 1960: Holotype lost]
<i>spurca</i> ZETTERSTEDT, 1847	HT	♂	ZIL	[CAIN et al., 1952, BASDEN 1958]
<i>tinctipennis</i> STROBL, 1901	LT	♂♂	ZMC	[FRYDENBERG, 1955]
<i>trivittata</i> STROBL, 1893	PL	♂	NMA	[BASDEN, 1961]
<i>ussurica</i> DUDA, 1935	—		NMA	[BASDEN, 1961, as syntype]
<i>tsigana</i> BURLA and GLOOR, 1952	ST	♂♀	ZIAL	[BASDEN, 1961]
<i>unimaculata</i> STROBL, 1893	LT	♂	ZMZ	Tigrovaja, Suchan ri., Uss. kr., 9. VI. 927, (STAKELBERG)
<i>unipectinata</i> DUDA, 1924	PL	♀	ZMZ	Oloron
<i>virilis</i> STURTEVANT, 1916	LT	♂♀	NMA	[Lectotype, by present designation]
<i>beckeri</i> DUDA, 1924	ST	♂♀	DEI	Oloron
<i>canariensis</i> DUDA, 1934	HT	♂	AMNH	[BASDEN, 1961]
<i>distantis</i> BEZZI, 1924	HT	♂+♀	AMNH	[ROHLFEN and EWALD, 1972]
<i>distigma</i> MEIGEN, 1830	LT	♂♂	AMNH	New York, N.Y.
<i>microchaeta</i> SÉGUY, 1941	PL PL PL HT	♂♂ ♂♂ ♂♂ ♂	NMW NMW NMW MNHN	New York, N.Y.
<i>Hypselothryea</i> DE MEIJERE, 1906	LT	♀	ZMB	Turkestan / <i>Gitona Beckeri</i> n. sp., det. Dr. O. DUDA
<i>breviscutellata</i> DUDA, 1928	HT	♂	ZMH	[Lectotype, by present designation]
<i>Leucophenga</i> MIK, 1886	HT	♂	BMNH	Las Palmas, Gran Canaria, R. FREY
<i>bellula</i> BERGROTH, 1894 ( <i>Drosophila</i> )	HT	♂+♀	MNHN	Cyprus, from figs
<i>guttiventris</i> DE MEIJERE, 1908 ( <i>Drosophila</i> )	LT	♂♂	NMW	[TSACAS and DESMIER DE CHENON, 1976]
<i>interrupta</i> DUDA, 1924	PL	♂	NMW	Grenoble / <i>distigma</i> , coll. WINTH.
	PL	♂	NMW	Anjou / <i>Gitona distigma</i> / <i>distigma</i> , coll. WINTH.
	HT	♂	MNHN	<i>distigma</i> , Coll. WINTH. Agadir
	—		—	[not in HNHM]
				[not located]
				Java, II. III. '06, Semarang, JACOBSON / <i>Drosophila guttiventris</i> , det. DE MEIJERE, Type / 4545
				[ROHLFEN and EWALD, 1972, as holotype. Lectotype, by present designation]
				[ROHLFEN and EWALD, 1972]

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>maculata</i> DUFOUR, 1839 ( <i>Drosophila</i> )	—		—	[not in MNHN]
<i>ornata</i> WHEELER, 1959				
<i>ornatipennis</i> DE MEIJERE, 1914 ( <i>Drosophila</i> )	HT	♂	ZMA	Java, 1911, Nongkodjadjar, JACOBSON / <i>Drosophila ornatipennis</i> , det. DE MEIJERE, Type / 4585
<i>quadripunctata</i> DE MEIJERE, 1908 ( <i>Drosophila</i> )	LT	♀	ZMA	Java, II. III. '06, Semarang, JACOBSON / <i>Drosophila 4-punctata</i> DE MEIJ., Type / 4544 [Lectotype, by present designation]
	PL	♂	ZMA	Java, II. III. '06, Semarang, JACOBSON / 4539
	PL	♂	RNH	Java, I. '06, Semarang, JACOBSON / <i>Drosophila quadripunctata</i> , DE MEIJERE det. / Museum Leiden / 4278
<i>quinquemaculata</i> STROBL, 1893	—			[BASDEN, 1961]
<i>marginalis</i> OLDEMBERG, 1914 ( <i>Paraleucophenga</i> )	HT	♂	DEI	Macugnaga, OLDEMBERG, 25. 7. 00 / Type / Typus / coll. OLDEMBERG / <i>Neoleucophenga 5maculata</i> STR. var. <i>marginalis</i> m., OLD., Type / <i>Leucophenga 5-maculata</i> STROBL nov. var. (BEZZI) / <i>Neoleucophenga</i> OLD./4303
<i>stackelbergi</i> DUDA, 1934	HT	♀	ZMB	Pw Rjabokon, ju Chanka, Ussur. kr., ŠTAKELBERG, 16. VII. 927 / 604 / <i>Leucophenga Stackelbergi</i> n. sp., det. Dr. O. DUDA, Typus, ♀? [BÄCHLI, 1971, as holotype. Lectotype, by present designation]
<i>subpollinosa</i> DE MEIJERE, 1914 ( <i>Drosophila</i> )	LT	♀	ZMA	[BÄCHLI, 1971, as paratype]
	PL	♀	ZMA	
<i>Liodrosophila</i> DUDA, 1922				
<i>nitida</i> DUDA, 1922	LT	♀	NMW	FRUHSTORFER, Mittel-Annam / <i>Liodrosophila nitida</i> ♂, det. Dr. O. DUDA
	PL	♂♀	NMW	[Lectotype, by present designation]
	PL	♀	DEI	FRUHSTORFER, Mittel-Annam / <i>Liodrosophila nitida</i> , det. Dr. O. DUDA
	PL	♂♀	ZMB	[ROHLFIER and EWALD, 1972] FRUHSTORFER, Mittel-Annam / <i>Liodrosophila nitida</i> , det. Dr. O. DUDA / Wien. M.
<i>Microdrosophila</i> MALLOCH, 1921				
<i>congesta</i> ZETTERSTEDT, 1847	LT	♂	ZIL	<i>D. congesta</i> ♂, Lärketorp / Lectotype of <i>Drosophila congesta</i> ZTT., selected by E. B. BASDEN, 1960 [Lectotype, by present designation]
( <i>Drosophila</i> )				
<i>zetterstedti</i> WHEELER, 1959	LT	♂	ZIL	<i>D. nigriventris</i> ♂, Smol. / Lectotype of <i>Drosophila nigriventris</i> ZTT., selected by E. B. BASDEN, 1960 [Lectotype, by present designation]
<i>nigriventris</i> ZETTERSTEDT, 1847	PL	♀	ZIL	<i>D. nigriventris</i> ♀, Smol. / Syntype of <i>Drosophila nigriventris</i> ZTT., selected by E. B. BASDEN, 1960
( <i>Drosophila</i> )				
<i>Mycodrosophila</i> OLDEMBERG, 1914				
<i>gratiola</i> DE MEIJERE, 1911	LT		ZMA	Java, Batavia, dec. 1908, type [Lectotype, by present designation]
( <i>Drosophila</i> )	PL		ZMA	Java, Batavia, dec. 1908
	ST	♀	BMNH	Mahé, Seychelles Exp., '08-9
	ST		ZMUC	Singapore, BIRÓ 1898
	ST		HNHM	Singapore, BIRÓ, 1898 / <i>Mycodrosophila Biroi</i> DUDA, ♂, det. Dr. O. DUDA
	ST	♂	ZMB	[not in ZMB]
<i>poecilogastra</i> LOEW, 1874	—		—	Slavon., JOHN / <i>Drosophila Johni</i> POK. / Type
( <i>Amiota</i> )				
<i>johni</i> POKORNÝ, 1896 ( <i>Drosophila</i> )	HT	♀	HNHM	
<i>Scaptomyza</i> HARDY, 1849				
<i>flava</i> FÄLLÉN, 1823 ( <i>Drosophila</i> )	LT	♀	ZIL	[LAŠTOVKA and MÁCA, 1978, now destroyed]
	PL	♀	ZIL	[LAŠTOVKA and MÁCA, 1978]
	—		—	[not in MNHN or NMW]
<i>flaveola</i> MEIGEN, 1830				
( <i>Notiphila</i> )				
<i>apicalis</i> HARDY, 1849	—			[BASDEN, 1962]
<i>montana</i> WHEELER, 1949	HT	♂	DTRC	No. 1763.9
<i>graminum</i> FÄLLÉN, 1823	LT	♀	RS	<i>D. graminum</i> ♂ / Lectotype in accord. with HARDY, 1849 / <i>Scapt. graminum</i> (FLN.), ♀, det. BASDEN, 1956, lectotype of <i>Drosophila graminum</i> FLN. [Lectotype, by present designation]
( <i>Drosophila</i> )				
<i>incana</i> MEIGEN, 1830	PL	♀	RS	<i>Drosophila graminum</i> ♀ / <i>Drosophila graminum</i> FLN., syntype, det. BASDEN, 1956 / <i>Scaptomyza graminum</i> (FLN.), det. BASDEN, 1956
( <i>Drosophila</i> )	LT	♂	NMW	<i>incana</i> , Coll. WINTH. / <i>incana</i> / <i>tetrasticha</i> , det. Dr. O. DUDA / <i>Scap. graminum</i> (FLN.), det. BASDEN, 1955 [Lectotype, by present designation]

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>rufipes</i> MEIGEN, 1830 ( <i>Drosophila</i> )	LT	♂	MNHN	No. 2462 [Lectotype, by present designation]
	PL	♀	NMW	<i>rufipes</i> , Coll. WINTH. / <i>rufipes</i> / <i>tetraستichia</i> BECK., det. Dr. O. DUDA / <i>Scap. graminum</i> (FLN.), det. BASDEN, 1955
<i>amoena</i> MEIGEN, 1838 ( <i>Hydrellia</i> )	LT	♂	MNHN	No. 2444 [Lectotype, by present designation]
<i>flavipennis</i> ZETTERSTEDT, 1838 ( <i>Drosophila</i> )	LT	♂	ZIL	<i>D. flavipennis</i> ♂, Wilhelm. / <i>D. Graminum</i> var. c, ZETT. / Lectotype of <i>Drosophila flavipennis</i> ZTT., selected by E. B. BASDEN, 1960
	PL	♀	ZIL	[Lectotype, by present designation] <i>D. flavipennis</i> ♀, Wilh. / Syntype of <i>Drosophila flavipennis</i> ZTT., selected by E. B. BASDEN, 1960
<i>sordida</i> ZETTERSTEDT, 1838 ( <i>Drosophila</i> )	LT	♂	ZIL	<i>D. sordida</i> ♂, <i>Wilhelmina</i> / <i>D. Graminum</i> var. b, ZETT. / Lectotype of <i>Drosophila sordida</i> ZETT., selected by E. B. BASDEN, 1960
	PL	♀	ZIL	[Lectotype, by present designation] <i>D. sordida</i> ♀, Dowre, Boh. / Syntype of <i>Drosophila sordida</i> ZTT., selected by E. B. BASDEN, 1960
<i>tetraستichia</i> BECKER, 1908	ST		ZMB	Teneriffe, XII, 46734
	ST		ZMB	Peist, 26. 9., 21419
	ST		ZMB	Moiseldorf, 9., 33338
	ST		ZMB	Oderwald, 14. 5., 30834
	ST		ZMB	Charlottenbrunn, 8. 7., 32271
	ST		ZMB	Oderwald, 2. 7., 31976
	ST		ZMB	Moiseldorf, 9. 10., 33485
	ST		ZMB	Fürstenstein, 5., 31229
	ST		ZMB	Liegnitz, 8., 33024
	ST		ZMB	Hummel, 2. 10., 29902
<i>semiatricornis</i> DUDA, 1935 ( <i>Drosophila</i> )	HT	♀	ZIAL	Jakovlevka, Spass. u., Uss. kr., 30. VI. 927, N 612, (ŠTAKELBERG)
<i>borealis</i> WHEELER, 1952	HT	♂	DTRC	Ossipee, New Hampshire, Aug. 4, 1950, A. H. SURTEVANT
<i>griseola</i> ZETTERSTEDT, 1847 ( <i>Drosophila</i> )	—	—	—	[not located]
<i>grisescens</i> DUDA, 1921 ( <i>Drosophila</i> )	ST	♂	ZMB	2. 4. 16 / Sinsen, Westf., DUDA / <i>S. grisescens</i> D., ♂
	ST	♂	ZMB	29. 3. 08 / Nimptsch, Schls., DUDA / <i>gracilis</i> WALK., ♂ / <i>S. grisescens</i> D., ♂
	ST	♂♀	ZMB	Ilfeld, S.-Harz, DUDA / <i>S. grisescens</i> D.
	ST	♂	ZMB	[different collection dates]
	ST	♂	ZMB	1. 6. 20 / St. Wendel, Rheinl., DUDA / <i>gracilis</i> WALK., ♂, det. Dr. O. DUDA / <i>S. grisescens</i> D., ♂
<i>impunctata</i> FREY, 1945 ( <i>Scaptomyzella</i> )	LT	♂	ZMH	Azores: S. Miguel: Lagoa do Congro, Type / Nr. 8293
	PL		ZMH	[Lectotype, by present designation]
	PL		ZMH	Azores: S. Miguel
<i>pallida</i> ZETTERSTEDT, 1847 ( <i>Drosophila</i> )	LT		ZIL	Azores: S. Jorge
	PL		ZIL	D. pallida Z., <i>graminum</i> FALL. var d, ♂, Esp. / Lectotype of <i>Drosophila pallida</i> ZTT., selected by E. B. BASDEN, 1960
	PL		ZIL	[Lectotype, by present designation]
	PL		ZIL	Syntype of <i>Drosophila pallida</i> ZTT., selected by E. B. BASDEN, 1960
<i>disticha</i> DUDA, 1921 ( <i>Drosophila</i> )	LT	♂	ZMB	22. 9. 19 / St. Wendel, Rheinl., DUDA / <i>disticha</i> D., ♂ [Lectotype, by present designation]
	PL	♀♀	ZMB	18. 3. 21 / Wustung b. Habelschwerdt, 1. DUDA / <i>disticha</i> D., ♀
	PL	♂♀	ZMB	Nimptsch, Schls., DUDA [different collection dates]
	PL	♂♂	ZMB	1. 6. 12 / Ilfeld, S. Harz, DUDA / <i>disticha</i> D., ♂
	PL	♂♂	ZMB	14. 7. 12 / Strachau b. Nimptsch / <i>P. disticha</i> DUDA, ♂, d. DUDA
	PL	♀♀	ZMB	8. 10. 12 / Pangelberg bei Nimptsch / <i>disticha</i> D., ♀
	PL	♀♀	ZMB	10. 6. 20 / St. Wendel, Rheinl., DUDA / <i>disticha</i> D., ♀
	PL	♀♀	ZMB	22. 7. 12 / Kl. Ellguth bei Nimptsch / <i>disticha</i> D., ♀
	PL	♀♀	ZMB	21. 8. 13 / Guhlau b. Nimptsch / <i>disticha</i> D., ♀
	PL	♀♀	ZMB	6. 10. 06 / Wölflersgrund / <i>disticha</i> D., ♀
<i>subsplendens</i> DUDA, 1935 ( <i>Drosophila</i> )	HT	♂	ZIAL	Jakovlevka, Spass. u., Uss. kr., 30. VI. 927, N 611, (ŠTAKELBERG)
<i>trochanterata</i> COLLIN, 1953	ST	♂♀	OUM	Kirnara, 9. 7. 36
<i>unipunctum</i> ZETTERSTEDT, 1847 ( <i>Geomyza</i> )	ST	♂	OUM	Nairn, 25. 5. 04, Col. Y.
	ST	♂	ZIL	Arbrå

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>Soederbomia</i> HENDEL, 1938 <i>flava</i> HENDEL, 1938	HT	♀	RS	S. W. Mongolei / 5. Juli, leg. SÖDERBOM / Sven Hedin Exp. Centr. Asien / <i>Söderbomia flava</i> HEND., det. HENDEL
<i>Stegana</i> MEIGEN, 1830 <i>coleoptrata</i> SCOPOLI, 1763 ( <i>Musca</i> ) <i>hypoleuca</i> MEIGEN, 1830	—	—	—	[not located]
<i>annulata</i> HALIDAY, 1833 <i>nigrithorax</i> STROBL, 1898	ST	♀	ZMC	<i>S. hypoleuca</i> MEIG. / Sielland / July 1824 / ♀ / Mus. Westerm.
<i>furta</i> LINNÉ, 1766 ( <i>Musca</i> )	ST	♀	NMW	<i>hypoleuca</i> , Coll. WINTH., Copenhagen
<i>curvipennis</i> FALLÉN, 1823 ( <i>Drosophila</i> )	LT	♂	NMA	[not in NMI]
	PL	♂	NMA	[BASDEN, 1961]
	LT	♂	ZMU	[BASDEN, 1961, as syntype]
	PL	♂	ZMU	<i>furta</i>
	LT	♂	RS	[Lectotype, by present designation]
	PL	♀	RS	<i>Drosophila curvipennis</i> FLN. ♂, lectotype selected by E. B. BASDEN, 1955 / <i>Protostegana furta</i> (L.) ♂, det. BASDEN, 1960
	PL	♀	RS	[Lectotype, by present designation]
	PL	♀	RS	<i>Drosophila curvipennis</i> ♂ / <i>Drosophila curvipennis</i> FLN., ♀ syntype, det. BASDEN, '55 / <i>Protostegana furta</i> (L.), ♀, det. BASDEN, 1960
	PL	♀	RS	<i>D. curvipennis</i> ♀ / <i>Drosophila curvipennis</i> FLN., ♀ syntype, det. BASDEN, '55 / <i>Protostegana furta</i> (L.), ♀, det. BASDEN, 1960
	PL	♀	RS	<i>Drosophila curvipennis</i> FLN., ♀ syntype, selected by E. B. BASDEN, '55 / <i>Protostegana furta</i> (L.), ♀, det. BASDEN, 1960
	ST	♀	MNHN	No. 2452
	ST	♀	NMW	Kiel, coll. WINTH. / <i>pulicaria</i> , det. WIED. / <i>pulicaria</i> WIED., Kiel / <i>nigra</i> / <i>Protostegana curvipennis</i> (FLN.), E. B. BASDEN, 1955
<i>mehadiae</i> DUDA, 1924	HT	♀	HNHM	Mehádia, KERTÉSZ, 1904 VI. 11 / <i>Stegana Mehadiæ</i> n. var. D., DUDA / Typus
<i>nigritrons</i> DE MEIJERE, 1911	LT	—	ZMA	Batavia, Java, Aug. 1908, Type
<i>nigripennis</i> HENDEL, 1914 ( <i>Orthostegana</i> ) <i>poeciloptera</i> DUDA, 1926 ( <i>Chaetocnema</i> )	ST	—	DEI	[Lectotype, by present designation]
	ST	♂	ZMB	[ROHLFEN and EWALD, 1972]
	ST	—	ZMB	Formosa, SAUTER / Kosempo, 908. VI / <i>Oxyph. poeciloptera</i> , ♂, det. Dr. O. DUDA
	ST	♂	ZMB	Formosa, SAUTER / Kosempo, 908. VI / <i>Oxyphorica poeciloptera</i> , det. Dr. O. DUDA / Ung. Nat. Mus.
	ST	♂	ZMB	Formosa, SAUTER / Koshun, 909. III / <i>O. poeciloptera</i> , ♂, det. Dr. O. DUDA
	ST	♀	ZMB	Formosa, SAUTER / Tapani, 1911. III / <i>Oxyphorica poeciloptera</i> , ♀, det. Dr. O. DUDA
	ST	♀	ZMB	Formosa, Toyenmongai / <i>Oxyphorica poeciloptera</i> , ♀, det. Dr. O. DUDA
<i>sibirica</i> DUDA, 1934 ( <i>Protostegana</i> )	—	—	—	[not located]
<i>stroblii</i> MIK, 1898	LT	♀	NMA	[BASDEN, 1961]
Species <i>incertae</i>				
<i>aceti</i> KOLLAR in HEEGER, 1851 ( <i>Drosophila</i> )	—	—	—	[not in NMW]
<i>analis</i> MACQUART, 1843 ( <i>Drosophila</i> )	—	—	—	[not in MNHN or MHNL]
<i>balteata</i> BERGROTH, 1894 ( <i>Drosophila</i> )	—	—	—	[not located]
<i>cellaris</i> LINNÉ, 1758 ( <i>Musca</i> )	—	—	—	[not located]
<i>cellaris</i> OKEN, 1815 ( <i>Mosillus</i> )	—	—	—	[not located]
<i>cellarium</i> ROBINEAU-DESOVY, 1830 ( <i>Bacchis</i> )	—	—	—	[not located]
<i>chopardi</i> SÉGUY, 1936 ( <i>Scaptomyza</i> )	HT	♂	MNHN	San Miguel: Furnas
<i>cinerella</i> FALLÉN, 1823 ( <i>Drosophila</i> )	LT	♀	ZIL	<i>D. cinerella</i> ♀, e museo FALLÉN
	ST	—	MNHN	[Lectotype, by present designation]
	—	—	—	[no number]
<i>claripennis</i> MACQUART, 1835 ( <i>Diastata</i> )	—	—	—	[not located]
<i>emulata</i> RAY-CHAUDHURI and MUKHERJEE, 1941 ( <i>Drosophila</i> )	—	—	—	[not located]
<i>erythrophthalma</i> PANZER, 1794 ( <i>Musca</i> )	—	—	—	[not located]
<i>flavipennis</i> MEIGEN, 1830 ( <i>Opomyza</i> )	—	—	—	[not in MNHN or NMW]
<i>gracilis</i> WALKER, 1853 ( <i>Drosophila</i> )	—	—	—	[not in BMNH]
<i>gracilis</i> FREY, 1945 ( <i>Scaptomyza</i> )	HT	♀	ZMH	Azores: Terceira, Fonduros, 10. VI.

Table 2 (Continued)

Species	Kind of types	Sex	Deposited in	Details of labels and comments
<i>imparata</i> WALKER, 1859 ( <i>Drosophila</i> )	—	—	—	[not in BMNH]
<i>ingrata</i> HALIDAY, 1833 ( <i>Drosophila</i> )	HT		NMI	Holywood / HALIDAY, 20. 2. '82 / Type / <i>ingrata</i> / Named by J. E. COLLIN [not in HU]
<i>japonica</i> MATSUMURA, 1931 ( <i>Drosophila</i> )	—		—	
<i>lacteoguttata</i> PORTSCHINSKY, 1892 ( <i>Drosophila</i> )	—		—	[not located]
<i>litorella</i> MEIGEN, 1838 ( <i>Hydrellia</i> )	—		—	[not located]
<i>maculiventris</i> VAN DER WULP, 1897 ( <i>Drosophila</i> )	—		—	[not in HNM or ZMA or RNH]
<i>marmorata</i> HUTTON, 1901 ( <i>Drosophila</i> )	HT	♀	CMNZ	Auckland, H. SUTER
<i>macquarti</i> WHEELER, 1981				
<i>melanogaster</i> MACQUART, 1843 ( <i>Drosophila</i> )	—		—	[not in MNHN or MHNL]
<i>mycethophila</i> GOUREAUX, 1865 ( <i>Drosophila</i> )	—		—	[not located]
<i>nigriceps</i> MEIGEN, 1838 ( <i>Drosophila</i> )	—		—	[not in MNHN or NMW]
<i>nigrimana</i> MEIGEN, 1830 ( <i>Drosophila</i> )	—		—	[not in MNHN or NMW]
<i>nigrita</i> CURTIS, 1833 ( <i>Drosophila</i> )	—		—	[not located]
<i>nigropunctata</i> VAN DER WULP, 1892 ( <i>Drosophila</i> )	—		—	[not in RNH or ZMA]
<i>nitidiceps</i> BIGOT, 1891 ( <i>Drosophila</i> )	HT	♀	OUM	Canaria / Type DIP: 468
<i>nitidiventris</i> MACQUART, 1835 ( <i>Drosophila</i> )	—		—	[not in MNHN or MHNL]
<i>oenopota</i> SCOPOLI, 1763 ( <i>Musca</i> )	—		—	[not located]
<i>pallipes</i> DUFOUR, 1846 ( <i>Drosophila</i> )	—		—	[not in MNHN]
<i>perrisi</i> WHEELER and HAMILTON, 1972				
<i>fasciata</i> PERRIS in DUFOUR, 1839 ( <i>Drosophila</i> )	—		—	[not located]
<i>pruinosa</i> BIGOT, 1888 ( <i>Gitona</i> )	—		—	[not in OUM]
<i>reaumurii</i> DUFOUR, 1845 ( <i>Drosophila</i> )	—		—	[not located]
<i>ruficeps</i> VON ROSEN, 1840 ( <i>Drosophila</i> )	LT		SMN	<i>Scaptomyza rufipes</i> MEIG. v. ROSER / <i>appendiculata</i> <i>ruficeps</i> / <i>Scapt. flava</i> FN., det. Dr. O. DUDA [Lectotype, by present designation] [not in MNHN]
<i>ruficornis</i> MEIGEN, 1838 ( <i>Hydrella</i> )	—		—	
<i>testaceens</i> WHEELER, 1981				
<i>testacea</i> GOUREAUX, 1865 ( <i>Drosophila</i> )	—		—	[not located]
<i>variopicta</i> BECKER, 1908 ( <i>Drosophila</i> )	ST	♀	ZMB	Teneriffe, XII, 46599 / ♀, <i>variopicta</i> B., = <i>fenestrarum</i> FALL.
	ST	♀	ZMB	Laguna, IV, 47615 / ♀, <i>variopicta</i> BECK., = <i>fenestrarum</i> F.
	ST	♀	ZMB	Laguna, IV, 47615 / <i>fenestrarum</i> FALL., det. Dr. O. DUDA [not in MNHN or MHNL]
<i>varipes</i> MACQUART, 1835 ( <i>Drosophila</i> )	—		—	

## Summary

The type material of all Palearctic species of Drosophilidae described before 1956, the places where it is kept and its labelling are listed. Lectotypes are established as far as that is appropriate.

## Zusammenfassung

Für alle vor 1956 beschriebenen paläarktischen Drosophilidae-Arten ist das Typenmaterial, sein Aufbewahrungsort und seine Bezeichnung aufgelistet. Lectotypen sind festgelegt, soweit das zweckmäßig ist.

## Резюме

Для всех описанных до 1956 г. палеарктических видов Drosophilidae был составлен перечень с указанием типов, места их хранения и данных этикеток. В случае целесообразности были установлены лектотипы.

## References

- BÄCHLI, G. *Leucophenga* und *Paraleucophenga* (Diptera Brachycera), Fam. Drosophilidae. Exploration du Parc National de l'Upemba. Mission G. F. DE WITTE, Fasc. 71, 192 pp., 38 plates. Bruxelles, 1971.  
 Biometrische Studie zur Unterscheidung von *Drosophila (Hirtodrosophila) oldenbergi* DUDA und *D. (H.) lundstroemi* DUDA (Diptera, Drosophilidae). Mitt. schweiz. ent. Ges. 45, 43–48; 1972.

- Revision der von DUDA beschriebenen südostasiatischen Arten des *Drosophila*-Subgenus *Hirtodrosophila* (Diptera: Drosophilidae). Mitt. zool. Mus. Berlin 49, 267–315; 1974.
- BÄCHLI, G. & ROCHA PITÉ, M. T. Family Drosophilidae. In: Soós et al., (eds.), Catalogue of Palearctic Diptera. Budapest. [In press.]
- BASDEN, E. B. An examination of the evidence concerning the identity of *Drosophila tristis* FALLÉN (Dipt., Drosophilidae). Ent. month. Mag. 94, 198–202; 1958.
- Type collections of Drosophilidae (Diptera). I. The STROBL collection. Beitr. Ent. 11, 160–224; 1961.
- JAMES HARDY's entomological notebooks. Journ. Soc. Bibliogr. nat. Hist. 4, 44–47; 1962.
- CAIN, A. J., COLLIN, J. E. & DEMEREC, V. R. Correct application of the name *Drosophila obscura* FALLÉN and notes on the type of *D. tristis* FALLÉN (Dipt., Drosophilidae). Ent. month. Mag. 88, 193–196; 1952.
- COE, R. L. *Drosophila repleta* WOLLASTON (Dipt., Drosophilidae) new to Britain, with notes on the species and some account of its breeding-habits. Ent. month. Mag. 79, 204–207; 1943.
- DANIELS, G. A catalogue of the type specimens of Diptera in the Australian Museum. Rec. aust. Mus. 31, 411–471; 1978.
- FRYDENBERG, O. On the types of *Drosophila picta* ZETT. and *D. spurca* ZETT. (Drosophilidae, Dipt.) and a new description of the former. Ent. Medd. 27, 104–112; 1955.
- The synonymy, relationship, and distribution of *Drosophila confusa* STAEGER, 1844 (Dipt.). Ent. Medd. 27, 295–308; 1956.
- HARDY, D. E. Family Drosophilidae. In: Insects of Hawaii. Vol. 12, Diptera: Cyclorrhapha II, Series Schizophora, Section Acalyptratae I. Univ. Hawaii Press, Honolulu, 814 pp.; 1965.
- LAŠTOVKA, P. & MÁČA, J. European species of the *Drosophila* subgenus *Lordiphosa* (Diptera, Drosophilidae). Acta ent. bohemoslov. 75, 404–420; 1978.
- MÁČA, J. Revision of Palearctic species of *Amiota* subg. *Phortica* (Diptera, Drosophilidae). Acta ent. bohemoslov. 74, 115–130; 1977.
- European species of the subgenus *Amiota* s. str. (Diptera, Drosophilidae). Acta ent. bohemoslov. 77, 328–346; 1980.
- MCALPINE, J. F. An annotated key to drosophilid genera with bare or micropubescent aristae and a revision of *Paracacoxenus* (Diptera: Drosophilidae). Can. Ent. 100, 514–532; 1968.
- MILLER, D. Catalogue of the Diptera of the New Zealand subregion. Bull. Dept. sci. industr. Res. New Zealand 100, 1–194; 1950.
- MORGE, G. Beiträge zur Kenntnis von Typen-Exemplaren und wenig bekannten Dipteren-Arten. — II. Beitr. Ent. 26, 489–530; 1976.
- ROCHA PITÉ, M. T. & TSACAS, L. Catalogue of the European species of the genus *Drosophila*. Bolm. Soc. port. Ciénc. nat. 19, 37–47; 1980.
- ROHILFIEN, K. & EWALD, B. Katalog der in den Sammlungen des ehemaligen Deutschen Entomologischen Institutes aufbewahrten Typen — VIII. (Diptera: Cyclorrhapha: Schizophora: Acalyptratae). Beitr. Ent. 22, 407–469; 1972.
- TSACAS, L. *Drosophila nigriventris* MACQUART, 1843, nouveau synonyme de *D. melanogaster* MEIGEN, 1830 (Dipt. Drosophilidae). Bull. Mus. natn. Hist. nat. 39, 158–159; 1967.
- TSACAS, L. & DESMIER DE CHENON, R. Taxinomie et biogéographie des "genres" *Cacoxenus* — *Paracacoxenus* — *Gitonides* — *Gitona* (Dipt., Drosophilidae) et biologie d'une nouvelle espèce africaine commensale d'Apoidea (Hymenoptera). Ann. Soc. ent. France, N. S., 12, 491–507; 1976.
- WHEELER, M. R., New species of the quinaria group of *Drosophila* (Diptera, Drosophilidae). Southw. Nat. 5, 160–164; 1960.

## Besprechungen

**Dierl, W.** Schmetterlinge. Unsere Tag- und Nachtfalter nach Farbfotos bestimmen. BLV Naturführer 120. BLV Verlagsgesellschaft, München-Wien-Zürich. 1981; 11,7 × 17,9 cm; 127 S., 149 Farabb. Preis 9,80 DM.

An Hand der technisch hervorragenden Farbphotos, die nicht nur ästhetisch ansprechen, sondern auch die Mannigfaltigkeit in Farbe und Form unserer heimischen Schmetterlinge darstellen sollen, werden dem Leser Kenntnisse über die Namen und die Lebensweise dieser Tiere vermittelt. Die Auswahl umfaßt häufige und leicht kenntliche Arten der wichtigsten Familien, dabei auch einige markante Vertreter der sogenannten Kleinschmetterlinge. In der Einleitung findet der Benutzer, der im Sinne eines Naturführers sehen und verstehen will, auch die notwendigen Informationen über Körperbau und Entwicklung der Schmetterlinge.

PETERSEN

**Forster, W. & Wohlfahrt, Th. A.** Die Schmetterlinge Mitteleuropas. Band V: Spanner (Geometridae). FRANCK'sche Verlagshandlung, Stuttgart. 1981; 19 × 26,4 cm; X + 312 S., 265 Abb., 893 Farabb. auf 26 Taf. Preis 198,00 DM.

Mit vorliegendem Band ist die Bearbeitung der mitteleuropäischen „Großschmetterlinge“ abgeschlossen. Der Aufbau und die Darstellung der einzelnen Taxa wurde schon bei der Besprechung der einzelnen Lieferungen beschrieben. Hervorzuheben ist, daß bei allen Taxa, deren Bestimmung allein nach der Flügelzeichnung Schwierigkeiten bereitet, Zeichnungen des Genitalapparates angeführt werden, so daß in Kombination mit den Farbtafeln eine Determination möglich wird. Für das behandelte Gebiet sind 528 Arten nachgewiesen. Ergänzungen und Berichtigungen sowie ein Register der behandelten Taxa beschließen den Textteil des Bandes, dem sich die 26 Tafeln mit den Farbabbildungen der Falter anschließen. Der vorliegende Band wird zusammen mit den vier anderen zur Standardliteratur der Entomologen gehören.

GAEDIKE

**Wetzel, Th.** Pflanzenschädlinge. Bekämpfung — Probleme — Lösungen. URANIA-Verlag Leipzig, Jena, Berlin. 1981; 12,2 × 20,2 cm; 147 S., 46 Abb. (31 im Text und 15 auf Tafeln). Preis 4,00 M.

Das in dritter Auflage vorliegende Heft der Schriftenreihe „Wir und die Natur“ vermittelt dem interessierten Leser einen Einblick in Probleme, deren Bedeutung für die menschliche Gesellschaft schneller wächst als das trotz verantwortungsbewußter Darstellungen in den Medien von der großen Mehrheit der Bevölkerung wahrgenommen und verstanden wird. So ist das Bemühen ein Gebot der Stunde, breite Kreise der Öffentlichkeit über Schädlinge, deren Aussehen, Lebensweise, Massenwechsel, die Ertragsverluste und deren mögliches Vermeiden durch die verschiedenen Methoden der Schädlingsbekämpfung zu informieren. Der flüssig geschriebene Text erfüllt diese Forderung unter Wahrung sowohl der Wissenschaftlichkeit und Aktualität der Aussage als auch der Allgemeinverständlichkeit.

PETERSEN