

REGISTERS OF FAMILY-GROUP AND GENUS-GROUP TAXA OF APHIDOIDEA



REGISTROS DE LOS TAXONES DEL NIVEL FAMILIA Y DEL NIVEL GÉNERO DE APHIDOIDEA (HEMIPTERA STERNORRHYNCHA)

Edited by / Coordinado por
Juan M. Nieto Nafría & Colin Favret



universidad
de león

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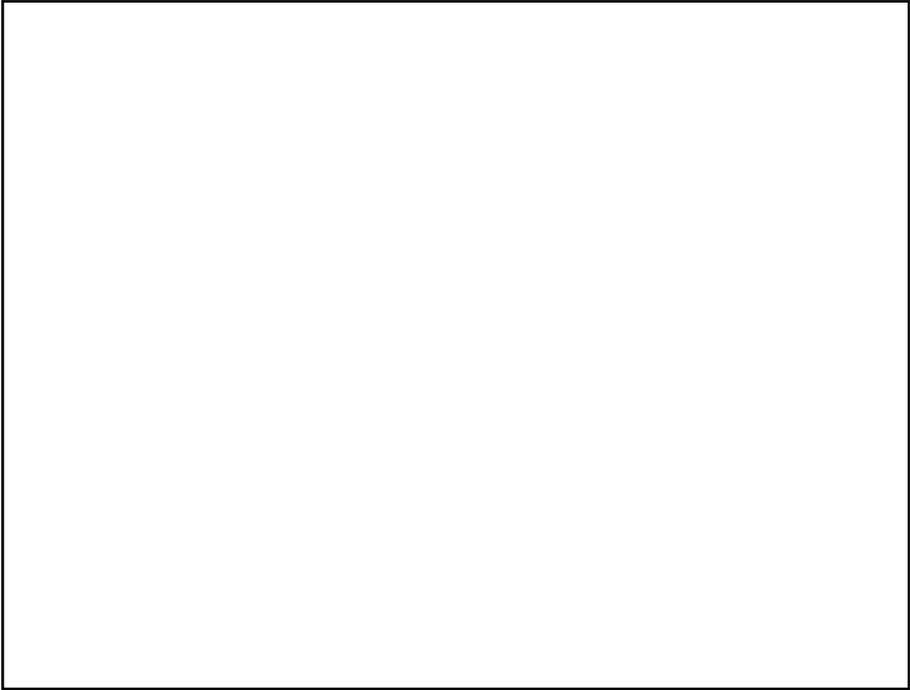
Juan M. Nieto Nafría & Colin Favret



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Illustrations / Ilustraciones

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- CUBIERTA Hembra vivípara alada de *Stomaphis cupressi*, sobre *Cupressus arizonica*, en Madrid, España, el 16 de noviembre de 2010. Fotografía tomada (características técnicas: Canon EOS 400 D digital: tiempo de exposición 1/160 sec, apertura de diafragma F/16, flash anular, distancia focal 65 mm) y cedida amablemente por Ángel Umaran.
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- PÁGINA 22 Cubierta y página 263 de *Histoire Naturelle, Générale et Particulière des Crustacés et Insectes, Tome Troisième* de Pierre André LATREILLE, 1802.
- PAGE 82 Cover and page 451 of *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, by Carolus LINNAEUS, 1758.
- PÁGINA 82 Cubierta y página 451 de *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, de Carolus LINNAEUS, 1758.
- PAGE 406 Cover and page 310 of *Etimologías* by Saint ISIDORE OF SEVILLE. Biblioteca de Autores Cristianos, edition 2004. Biblioteca de la Universidad de León, call number 030 ISI.
- PÁGINA 406 Cubierta y página 310 de *Etimologías* de San ISIDORO DE SEVILLA. Biblioteca de Autores Cristianos, edición 2004. Biblioteca de la Universidad de León, signatura 030 ISI.

PREFACE / PREFACIO

Juan M. Nieto Nafría and Colin Favret

“Proposals” and “Registers”

The “Register of family-group taxa of APHIDOIDEA” and the “Register of genus-group taxa of APHIDOIDEA” presented here are transcripts of the “Proposal of the Part of available names of APHIDOIDEA taxa of family group of the List of Available Names in Zoology” and of the “Proposal of the Part of available names of APHIDOIDEA taxa of genus group of the List of Available Names in Zoology”, respectively. They were assembled with reference to Article 79 of the “International Code of Zoological Nomenclature, Fourth Edition (1999)” (henceforth, the “Code”), which states:

List of Available Names in Zoology. An international body of zoologists (such as an International Congress, an international society, or a consortium of national or regional societies, or a Scientific Member of the International Union of Biological Sciences) in consultation with the Commission may propose that the Commission adopt for a major taxonomic field (or related fields) a Part of the *List of Available Names in Zoology*.

The “Proposal of the Part of available names of APHIDOIDEA taxa of family group of the List of Available Names in Zoology” was approved by the delegates attending the Seventh International Symposium on Aphids (Fremantle, Australia, October 2005), presented by J.M. Nieto Nafría, M.P. Mier Durante, and N. Pérez Hidalgo. It was submitted to the International Commission on Zoological Nomenclature in October 2007. It was the first such proposal received by the Commission. The Commission has not yet made

a decision regarding the document, although it did request a few formatting changes.

At this same symposium, J.M. Nieto Nafría was entrusted to organize a workgroup to prepare a proposal covering the genus-group taxa, to be considered at the following aphid symposium. The workgroup consisted, in alphabetical order, of S. Akimoto (Japan), S. Barbagallo (Italy), S. Chakrabarti (India), C. Favret (USA), M.P. Mier Durante (Spain), G.L. Miller (USA), J.M. Nieto Nafría (Spain), N. Pérez Hidalgo (Spain), G.-x. Qiao (China), M. Sano (Japan), A.V. Stekolshchikov (Russia), and P. Wegierek (Poland).

The “Proposal of the Part of available names of APHIDOIDEA taxa of genus group of the List of Available Names in Zoology” was approved by the delegates at the Eighth International Symposium on Aphids (Catania, Italy, June 2009). The proposal was submitted to the Commission in November 2010.

The only previous work listing aphid family-group names is “*Les noms des taxa du groupe-famille chez les Aphididae [Hemiptera]*” by Nieto Nafría, Mier Durante y Remaudière (1997, *Revue française d'Entomologie (N.S.)*, 19: 77–92).

In contrast, several previous publications have dealt with genus-group level aphid names. The more important ones are “Generic Classification of the Hemipterous Family Aphididae” by A.C. Baker (1920, *Bulletin of the United States Department of Agriculture*, 826), “*Alphabetisches Verzeichnis der Gattungsnamen*” by Börner and Schilder (1930, *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 181–194), “*Catalogue des Aphididae du monde*” by G. Remaudière y M. Remaudière (1997, INRA Editions), and most importantly, “Survey of the World’s Aphids” by V.F. Eastop y D. Hille Ris Lambers (1976, Dr. W. Junk B.V.).

The original literature establishing the various names was researched and consulted in preparing the two proposals.

The purpose of here publishing the two registers is twofold. Firstly, it is to satisfy Article 79.2.2.1 of the “Code”, which states:

publish [...] a source from which copies (on paper or otherwise) of the proposed Part may be obtained by zoologists [...].

And secondly, to develop a useful and reliable tool for aphid taxonomic research.

As exemplified in the previous paragraph, we have included direct quotations from the “Code” to clarify the nomenclatural decisions taken. The English text is taken verbatim from the electronic version available at <http://www.nhm.ac.uk/hosted-sites/iczn/code/>. The Spanish text was taken from the Spanish edition of the “Code” (translated by M.A. Alonso Zarazaga

and published by the *Museo Nacional de Ciencias Naturales (CSIC), Caja España*, The International Commission on Zoological Nomenclature, and the *Sociedad de Amigos del Museo Nacional de Ciencias Naturales*, ISBN: 84-607-0588-9), with slight modification in the use of capitalization, but conserving the diacriticals on ‘*táxon*’ and ‘*táxones*’, which, along with ‘*taxón*’ and ‘*taxones*’, are authorized by the *Real Academia Española*.

The present volume concludes with a presentation of the etymology of the genus-group names, which will enrich the reader and facilitate gender association for genus-group and species-group taxa named in the future.

Secondarily, this volume will assist the preparation of other “Proposals of the Part” and be useful in exemplifying many nomenclatural complications. By citing directly the relevant articles of the “Code”, these latter examples will be useful in courses on zoological nomenclature and taxonomy.



Current Classification of APHIDOIDEA

“Parts of the List of Available Names in Zoology” must include only objective nomenclatural data that are stable and unaffected by taxonomic changes.

Subjective data are not included in the “Parts” because they change coincident with the particular taxonomy chosen. In order to provide extra value, the APHIDOIDEA proposals include the current subjective status and taxonomic position of each valid taxon nonetheless. Although inclusion of these subjective data is certainly valuable, they should be used with care as they are subject to future changes.

Because subjective data have to be referred to a taxonomic hierarchy, we sought a classification that would be clear and consistent. There are two aphid classifications in current use (Table P-1), referable to as the “Remaudière, Stroyan, and Quednau extended” and the “Heie and Wegierek revised” classifications. For the purpose of the present volume, we chose the former (on the left on Table P-1).

In several articles (Remaudière and Stroyan, 1984, *Annales de la Société entomologique de France (N.S.)*, 20: 93–103; Remaudière and Quednau, 1988, *Annales de la Société entomologique de France (N.S.)*, 24: 47–57; and Quednau and Remaudière, 1994, *Bulletin de la Société entomologique de France (N.S.)*, 99: 365–384), Remaudière, Stroyan, and Quednau developed a classification of the extant aphid fauna consisting of a single family, APHIDIDAE, and 25 subfamilies, some with tribes and a single with subtribes. They avoided a more detailed division of certain families, such as ERIOSOMATIDAE and CALAPHIDIDAE, due to an absence of recent revisions, preventing the placement of some

genera in taxa below the subfamily level. This classification was used in the aforementioned “Catalogue”. The classification is “extended” by the inclusion of: 1) fossil taxa, for which we used the relevant portions of the Heie and Wegierek classification –see below–, and 2) those taxa below the subfamily level presented in the recent monographs on the drepanosiphine aphids by Quendau (1999, Contributions of the American Entomological Institute, 31 (1), 281 pp.; 2003, Memoirs of the American Entomological Institute, 72, 301 pp.; 2010 Memoirs of the American Entomological Institute, 83, 365 pp.). We hope to have faithfully represented the fundamental taxonomic opinions that formed this classification.

In recent decades, Heie has used, for the extant fauna, a classification with a greater number of families and consequently fewer subfamilies. Heie, together with Wegierek (1998, Annals of the Upper Silesian Museum (Entomology), 8–9: 159-192), presented a classification of the extinct fauna. They recently published this classification incorporating the classification of the drepanosiphine aphids presented by Quednau (Heie and Wegierek, 2009, *Redia*, 92: 69–77).

As can be seen in Table 1, the two classifications are different in: (1) the rank accorded some taxa, (2) the internal hierarchy of certain taxa, a consequence of their different ranks, and (3) the subdivisions of certain taxa.

The lowest rank family-group taxa and the genera they contain are broadly equivalent, although there are a few discordant situations caused by the differences in classification. For example (see Table P-1): in the first classification, Eriosomatinae contains three immediately subordinate taxa which are also terminal family-group taxa, whereas its equivalent Eriosomatidae, in the second classification, contains four immediately subordinate taxa, and these in turn contain eight terminal family-group taxa.

Taxonomic positions, as presented in the registers, can be converted between classifications, as much as is possible, with reference to Table 1.



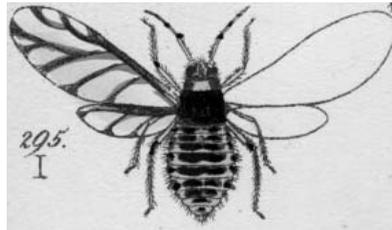
Acknowledgments

Many colleagues provided data or opinions of various sorts to complete the “Proposals” and corresponding “Registers”. Our thanks to all, especially to coleopterist Miguel Ángel Alonso Zarazaga (*Museo Nacional de Ciencias Naturales*; Madrid, Spain) and aphidologists Franz Wolfgang Quednau (Canadian Forest Service; Sainte-Foy; Canada), Georges Remaudière (*Muséum national d’Histoire naturelle*; Paris, France), and Thomas Thieme (*BTL Bio-Test Lab GmbH Sagerheide*; Sagerheide, Germany).

This volume is made possible thanks to the cooperation of the *Universidad de León* and the *Asociación Española de Entomología*.

On behalf of the authors of these registers and the etymology appendix, we express our gratitude to the *Rector Magnífico* of the *Universidad de León* and the President of the *Asociación Española de Entomología*, as well as the Directors of Publications of both institutions, respectively, Prof. M. Pérez González and Prof. A. Tinaut Ranera.

The work conducted in Spain was part of research projects CGL2004-04680-C10-04 and CGL2007-66786-C08-03 of the *Plan Nacional de I+D+i del Gobierno de España*.



“Propuestas” y “Registros”

El “Registro de los taxones del nivel familia de APHIDOIDEA” y el “Registro de los taxones del nivel género de APHIDOIDEA” que se presentan en este volumen son la traslación de la “*Proposal of the Part of available names of APHIDOIDEA taxa of family group of the List of Available Names in Zoology*” y de la “*Proposal of the Part of available names of APHIDOIDEA taxa of genus group of the List of Available Names in Zoology*”, respectivamente. Éstas tienen su origen y toman sentido en el artículo 79 del “Código Internacional de Nomenclatura Zoológica, cuarta edición (1999)” (a partir de aquí, el “Código”), que dice:

«Lista de Nombres Disponibles en Zoología. Un organismo internacional de zoólogos (como un Congreso Internacional, una sociedad internacional, o un consorcio de sociedades nacionales y regionales, o un Miembro Científico de la Unión Internacional de Ciencias Biológicas) de acuerdo con la Comisión [Internacional de Nomenclatura Zoológica], puede proponer que la Comisión apruebe para un campo taxonómico principal (o campos relacionados) una Parte de la *Lista de Nombres Disponibles en Zoología*».

La “Propuesta de Parte de los nombres de los taxones del nivel familia de APHIDOIDEA” fue aprobada por los asistentes al “*Seventh International Symposium on Aphids*” (Fremantle, Australia, octubre de 2005) a iniciativa de J.M. Nieto Nafria, M.P. Mier Durante y N. Pérez Hidalgo. Se presentó a la Comisión Internacional de Nomenclatura Zoológica en octubre de 2007. Fue la primera “Propuesta” presentada ante la Comisión, la cual no ha tomado decisión sobre ella, aunque ha solicitado modificaciones de forma, que se han ido atendiendo.

En ese mismo *Symposium* se encargó a J.M. Nieto Nafria la organización de un grupo de trabajo para preparar la “Propuesta” dedicada a los taxones del nivel género, que se consideraría en el siguiente *Symposium*. El grupo de trabajo quedó formado por S. Akimoto (Japón), S. Barbagallo (Italia), S. Chakrabarti (India), C. Favret (Estados Unidos), M.P. Mier Durante (España), G.L. Miller (Estados Unidos), J.M. Nieto Nafria (España), N. Pérez Hidalgo (España), G.-x. Qiao (China), M. Sano (Japón), A.V. Stekolshchikov (Rusia) y P. Wegierek (Polonia), en orden alfabético.

La “Propuesta de Parte de los nombres de los taxones del nivel género de APHIDOIDEA” se aprobó por los participantes en el “*Eighth International Symposium on Aphids*” (Catania, Italia, junio de 2009). La “Propuesta se presentó ante la Comisión en noviembre de 2010.

El precedente único de la “Propuesta” dedicada a los taxones del nivel familia se encuentra en “*Les noms des taxa du groupe-famille chez les Aphididae [Hemiptera]*” de Nieto Nafria, Mier Durante y Remaudière (1997, *Revue française d'Entomologie (N.S.)*, 19: 77–92).

En cambio, hay varios precedentes de la “Propuesta” dedicada a los taxones del nivel género. Los más importantes son “*Generic Classification of the Hemipterous Family Aphididae*” de A.C. Baker (1920, *Bulletin of the United States Department of Agriculture*, 826), “*Alphabetisches Verzeichnis der Gattungsnamen*” de Börner y Schilder (1930, *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 181–194), “*Catalogue des Aphididae du monde*” de G. Remaudière y M. Remaudière (1997, INRA Editions), y sobre todo “*Survey of the World's Aphids*” de V.F. Eastop y D. Hille Ris Lambers (1976, Dr. W. Junk B.V.).

Para la preparación de ambas “Propuestas” se consultaron directamente todos los trabajos originales en los que se establecieron los taxones correspondientes.

La finalidad de la publicación de estos dos “Registros” es doble. Por una parte facilitar lo dispuesto en el artículo 79.2.2.1 del “Código”, que dice:

«publicará [...] una fuente de la que se puedan obtener copias (en papel u otro medio) de la Parte propuesta [...]».

Y por otra parte facilitar una herramienta actualizada y fiable para los trabajos afido-taxonómicos.

De forma semejante a como se ve en el párrafo anterior hemos incorporado el texto de los artículos del “Código” que se mencionan, para facilitar la comprensión de las actuaciones realizadas. En el texto en inglés están tomados directamente de la versión digital, que se puede consultar en <http://www.nhm.ac.uk/hosted-sites/iczn/code/>. En el texto en español están tomadas de la edición en español del “Código” (traducción de M.A. Alonso Zarazaga y publicación del Museo Nacional de Ciencias

Naturales (CSIC), Caja España, *The International Commission on Zoological Nomenclature* y la Sociedad de Amigos del Museo Nacional de Ciencias Naturales, ISBN: 84-607-0588-9), con ligeras modificaciones en el uso de mayúsculas, pero respetando la acentuación de ‘táxon’ y ‘táxones’, que junto a ‘taxón’ y ‘taxones’ está admitida por la Real Academia Española.

El volumen se completa con un estudio etimológico de los nombres de los taxones del nivel género, que enriquecerá los conocimientos de los lectores y que facilitará el trabajo de denominación de futuros taxones de los grupos género y especie.

Secundariamente este volumen será de utilidad en la preparación de otras “Propuestas de Parte” y también podrá utilizarse para extraer ejemplos de accidentes nomenclaturales, en cursos sobre nomenclatura o taxonomía zoológica, para lo cual la mención textual de los artículos del “Código” será de particular interés.



Clasificaciones en uso de APHIDOIDEA

Las “Partes de la Lista de nombres disponibles en Zoología” deben incluir solamente datos nomenclaturales objetivos, que son estables y no resultan afectados por los cambios taxonómicos.

Los datos subjetivos no forman parte de las “Partes” porque son variables, dependiendo directamente de la opción taxonómica que se siga. Sin embargo en las “Propuestas” referidas a los APHIDOIDEA se incluyeron el estatus subjetivo y la posición taxonómica de cada taxón como un valor añadido. La presencia de ambos datos en los dos “Registros” tiene además una indiscutible utilidad taxonómica, aunque sea una información que debe utilizarse con precaución por estar sujeta a cambios en el futuro.

Como los datos subjetivos deben estar referidos a una opción taxonómica, hemos debido escoger una clasificación para que la presentación sea clara y consistente. Actualmente hay en uso dos clasificaciones (tabla P-1), que se pueden denominar “clasificación de Remaudière, Stroyan y Quednau ampliada” y “clasificación de Heie y Wegierek actualizada”. Hemos escogido la primera de ellas (a la izquierda de la tabla P-1).

En varios artículos sucesivos (Remaudière y Stroyan, 1984, *Annales de la Société entomologique de France (N.S.)*, 20: 93–103; Remaudière y Quednau, 1988, *Annales de la Société entomologique de France (N.S.)*, 24: 47–57; y Quednau y Remaudière, 1994, *Bulletin de la Société entomologique de France (N.S.)*, 99: 365–384) Remaudière, Stroyan y Quednau configuraron una clasificación de los pulgones de la fauna actual con una sola familia, APHIDIDAE, y 25 subfamilias, algunas de ellas con tribus y tan sólo una con subtribus, habiendo renunciado a una subdivisión detallada de algunas familias de un notable volumen, por ejemplo ERIOSOMATIDAE o CALAPHIDIDAE, porque no había revisiones recientes de ellas que permitiesen ubicar con certeza todos los géneros en los taxones subordinados a la subfamilia. Esa clasificación fue la utilizada en el *Catalogue* ya mencionado. Se dice que la clasificación es ‘ampliada’

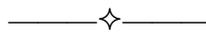
porque se han incluido en ella: 1) los taxones fósiles, utilizando para hacerlo las aportaciones de Heie y Wegierek —ver más adelante—, y 2) los taxones subordinados de varias subfamilias del clado de los *drepanosiphine aphids* a partir de las monografías de Quednau (1999, *Contributions of the American Entomological Institute*, 31 (1), 281 pp.; 2003, *Memoirs of the American Entomological Institute*, 72, 301 pp.; 2010 *Memoirs of the American Entomological Institute*, 83, 365 pp.). Confiamos haber respetado las ideas taxonómicas básicas que informaron esta clasificación en su origen.

Durante los últimos decenios Heie ha venido utilizando para los taxones de la fauna actual una clasificación con un mayor número de familias y por consiguiente menos subfamilias. Heie mismo junto con Wegierek (1998, *Annals of the Upper Silesian Museum (Entomology)*, 8–9: 159–192) organizó la clasificación de los taxones extintos. Recientemente ambos (Heie y Wegierek, 2009, *Redia*, 92: 69–77) han actualizado esta clasificación, incorporando a ella la totalidad de las aportaciones de Quednau sobre la clasificación interna del clado de los *drepanosiphine aphids*.

Como se puede apreciar en la tabla 1 ambas clasificaciones se diferencian por: (1) el rango que se otorga a algunos taxones, (2) la ordenación jerárquica interna de varios taxones, que es consecuencia de lo anterior, y (3) la subdivisión de algunos taxones.

Los taxones terminales del nivel familia en ambas clasificaciones y los géneros agrupados en ellos son equiparables, aunque hay alguna situación no concordante como consecuencia de las diferencias antes relacionadas; así por ejemplo (ver tabla P-1): Eriosomatinae de la primera de las clasificaciones comentadas tiene tres taxones inmediatamente subordinados, que al tiempo son terminales, mientras que su equivalente Eriosomatidae de la segunda de ellas tiene cuatro taxones inmediatamente subordinados y ocho terminales.

Para transferir en lo posible los datos a la otra clasificación se puede utilizar la tabla 1.



Agradecimientos

Muchos colegas nos han facilitado datos u opiniones de uno u otro tipo, que han permitido llevar a buen fin las “Propuestas” y los “Registros” correspondientes, nuestro agradecimiento a todos ellos y especialmente al coleopterólogo Miguel Ángel Alonso Zarazaga (Museo Nacional de Ciencias Naturales; Madrid) y a los afidólogos: Franz-Wolfgang Quednau (*Canadian Forest Service; Sainte-Foy; Canada*) Georges Remaudière (*Muséum national d’Histoire naturelle; Paris, Francia*) y Thomas Thieme (*BTL Bio-Test Lab GmbH Sagerheide; Sagerheide, Alemania*).

Esta publicación ha sido posible gracias a la actuación conjunta de la Universidad de León y la Asociación Española de Entomología.

En nombre de los autores de ambos “Registros” y del estudio etimológico anejo, expreso nuestro agradecimiento al Rector Magnífico de la Universidad de León y

al Presidente de la Asociación Española de Entomología, así como a los responsables de publicaciones de ambas instituciones, Prof. M. Pérez González y Prof. A. Tinaut Ranera, respectivamente.

Por parte española este trabajo se ha realizado en el contexto de los proyectos de investigación CGL2004-04680-C10-04 y CGL2007-66786-C08-03 del “Plan Nacional de I+D+i del Gobierno de España”.

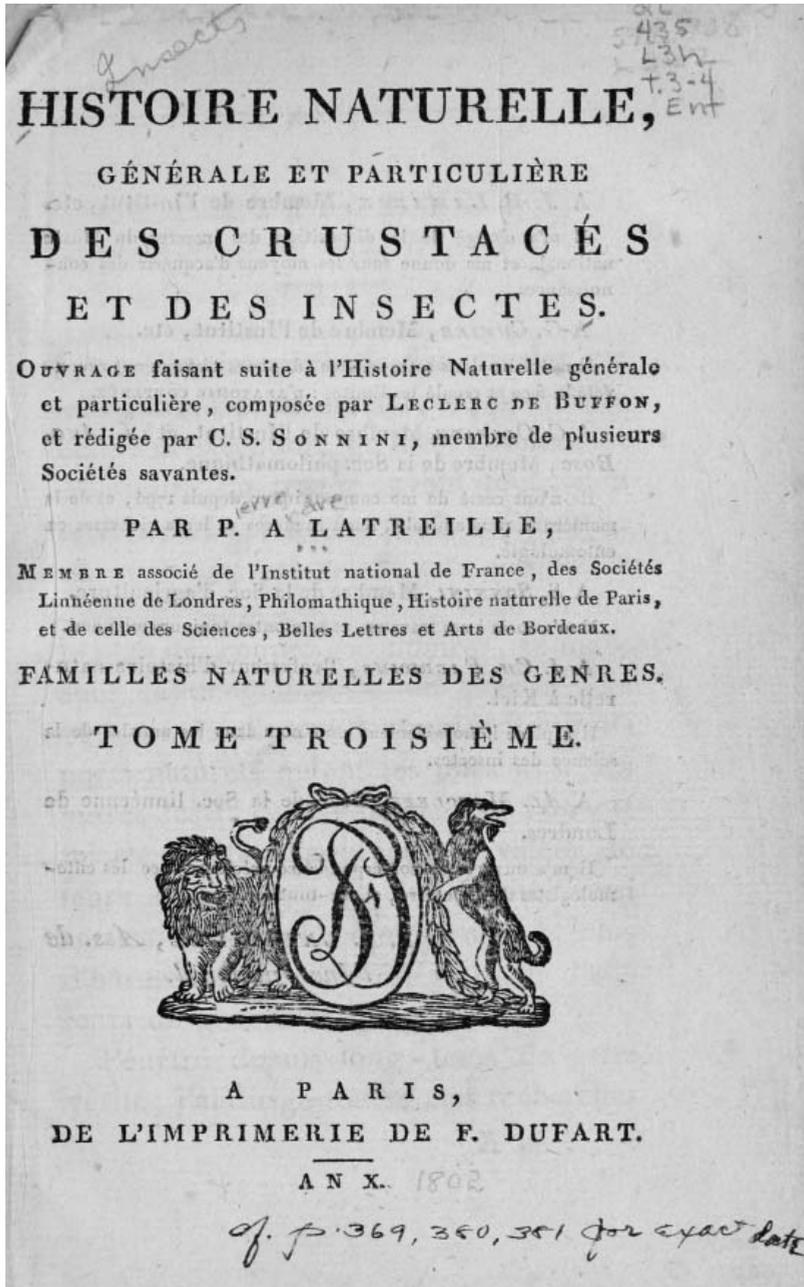
Table P-1. Comparison of APHIDOIDEA classifications: on the left, the “Remaudière, Stroyan, and Quednau extended” and on the right, the “Heie and Wegierek revised”.
Tabla P-1. Tabla de comparación de las clasificaciones de APHIDOIDEA: a la izquierda “clasificación de Remaudière, Stroyan y Quednau ampliada” y a la derecha “clasificación de Heie y Wegierek actualizada”.

Family	Subfamily	Tribe	Subtribe	Subtribe	Tribe	Subfamily	Family
Canadaphididae							Canadaphididae
Cretamyzidae							Cretamyzidae
Drepanochaitophoridae							Drepanochaitophoridae
Oviparosiphidae							Oviparosiphidae
Parvaverrucosidae							Parvaverrucosidae
Sinaphididae							Sinaphididae
Aphididae	Eriosomatinae	Eriosomatini		Eriosomatini		Eriosomatinae	Eriosomatidae
		Fordini		Tetraneurini		Fordinae	
			Baizongiina	Fordini			
			Geocicina				
			Fordina				
		Pemphigini		Melaphidini		Pemphiginae	
						Prociphilinae	
	Hormaphidinae	Cerataphidini				Cerataphidinae	Hormaphididae
		Hormaphidini				Hormaphidinae	
		Nipponaphidini				Nipponaphidinae	
	Tamaliinae						Tamaliidae
	Phloeomyzinae						Phloeomyzidae
	Aiceoninae						Aiceonidae
	Anoeciinae						Anoeciinae
	Thelaxinae	Thelaxini				Thelaxinae	Thelaxidae
		Gondvanoaphidini				Gondvanoaphidinae	
	Mindarinae					Mindarinae	Drepanosiphidae
	Neophyllaphidinae				Neophyllaphidinae		
	Baltichaitophorinae					Baltichaitophorinae	
	Parachaitophoridae						
Lizeriinae					Lizeriinae	Drepanosiphidae	
Pterastheniinae					Pterastheniinae		
Macropodaphidinae					Macropodaphidinae		
Israelaphidinae					Israelaphidinae		
Taiwanaphidinae					Taiwanaphidinae		
Spicaphidinae					Spicaphidinae		
Drepanosiphinae					Drepanosiphinae		
Phyllaphidinae				Phyllaphidini	Phyllaphidinae		
Palaeosiphoninae				Palaeosiphonini			
Calaphidinae	Calaphidini	Calaphidina		Calaphidina	Calaphidini		Calaphidinae
		Monaphidina		Monaphidina			
	Panaphidini	Panaphidina		Panaphidina	Panaphidini		
		Myzocallidina		Myzocallidina			
Saltusaphidinae	Thripsaphidini			Thripsaphidini	Saltusaphidinae		
	Saltusaphidini			Saltusaphidini			
Chaitophorinae	Siphini			Siphini	Chaitophorinae		
	Chaitophorini			Chaitophorini			
Greenideinae	Greenideini				Greenideinae	Greenideidae	
	Cervaphidini				Cervaphidinae		
	Schoutedeniini				Schoutedeniinae		
Aphidinae	Aphidini	Aphidina		Aphidini	Aphidinae	Aphididae	
		Rhopalosiphina		Rhopalosiphini			
	Macrosiphini				Macrosiphinae		
Pterocommatinae							
Lachninae	Eulachnini			Cinarini	Eulachninae	Lachnidae	
				Eulachnini			
				Schizolachnini			
	Lachnini			Lachnini	Lachninae		
				Stomaphidini			
	Tramini			Tramini			

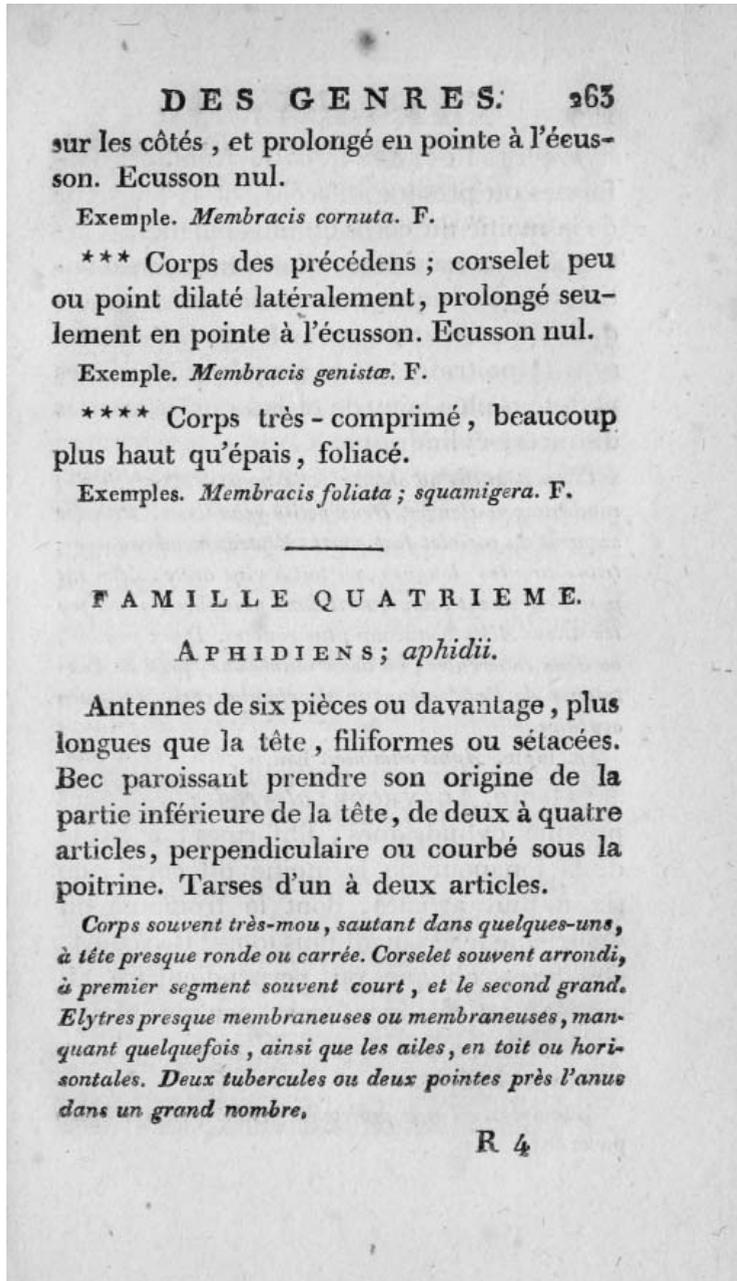
**REGISTER OF FAMILY-GROUP TAXA OF
APHIDOIDEA**

**REGISTRO DE LOS TAXONES DEL NIVEL FAMILIA
DE APHIDOIDEA**

**Juan M. Nieto Nafría, M.P. Mier Durante, and Nicolás Pérez
Hidalgo**



Cover and page 263 of *Histoire Naturelle, Générale et Particulière des Crustacés et Insectes, Tome Troisième* by Pierre André LATREILLE, 1802, acquired 21 December 2010 from the Biodiversity Heritage Library <<http://www.biodiversitylibrary.org/bibliography/15764>> as contributed by the Smithsonian Institution Libraries.



Cubierta y página 263 de *Histoire Naturelle, Générale et Particulière des Crustacés et Insectes, Tome Troisième* de Pierre André LATREILLE, 1802, descargadas el 21 de diciembre de 2010 de Biodiversity Heritage Library <<http://www.biodiversitylibrary.org/bibliography/15764>> contribución de Smithsonian Institution Libraries.

REGISTER OF FAMILY-GROUP TAXA OF APHIDOIDEA

This “Register of the family-group taxa of APHIDOIDEA” corresponds to the Proposal approved by the delegates attending the *Seventh International Symposium on Aphids* –see Preface– with the addition of a taxon described after 30 September 2000, the cutoff date in the Proposal, and several corrected errors found during the preparation of the Proposal concerning genus-group names.

Corresponding to the taxonomic classification used –see Preface–, the superfamily APHIDOIDEA here includes the families APHIDIDAE, CANADAPHIDIDAE (extinct), CRETAMYZIDAE (extinct), DREPANOCHAITOPHORIDAE (extinct), OVIPAROSIPHIDAE (extinct), PARVAVERRUCOSIDAE (extinct), and SINAPHIDIDAE (extinct). Excluded are families PHYLLOXERIDAE, ADELGIDAE, MESOZOICAPHIDIDAE (extinct), ELEKTRAPHIDIDAE (extinct) and their subordinate taxa; also excluded are other related families: BURMITAPHIDIDAE, CREAPHIDIDAE, ELLINAPHIDIDAE, GENAPHIDIDAE, GRASSYAPHIDIDAE, KHATANGAPHIDIDAE, LEBANAPHIDIDAE, NAIBIDAE, PALAEOAPHIDIDAE, RETINAPHIDIDAE, SHAPOSHNIKOVIIDAE, SINOJURAPHIDIDAE, SZELEGIEWICZIIDAE, TAJMYRAPHIDIDAE and TRIASSOAPHIDIDAE (all extinct). Details are discussed by Heie and Wegierek (2009, *Redia*, 92: 69–77), cited in the Preface.

Nieto Nafría, Pérez Hidalgo, and Mier Durante (2007, *Zootaxa*, 1629: 51–55) presented some of the results of this family-group work.

Two sections comprise this “Register”: “Available Names” and “Unavailable Names”. These terms, “available” and “unavailable”, as well as “valid” and “invalid” are used with the precise meanings presented in the “International Code of Zoological Nomenclature, Fourth Edition” (henceforth, the “Code”), which are generally not the same as their common meaning nor those presented in standard dictionaries.

The subsection listing available names is the fundamental content of the register, whereas the list of unavailable names is presented as a complement to the former –see the Preface–.

In the past, many authors misattributed the authorship of family-group taxa –the author being the person who established the name at whatever taxonomic rank–, ignoring the principle of coordination established in the “Code”. Rather, names were often attributed to the person who assigned the name to a concrete taxonomic rank or to a concrete taxonomic entity. Consequently, many spurious authorship attributions were created, for example in a prestigious mid-20th Century work (Börner. 1952. *Europae Centralis Aphides die Blattlaeuse Mitteleuropas*), we see: “sub-superfamily APHIDOIDEA Börner, infra-superfamily APHIDINA Burmeister, family APHIDIDAE (Herrich-Schaeffer) Börner, subfamily APHIDINAE (Mordvilko) Börner, tribe APHIDINI Börner” (ranks inserted and author names completed by the current authors).

When needed, taxonomic data attributed to authors who are not the true author of a name are attributed using “*sensu*” (“per the understanding of”) after the taxon name or the name of the true author.

Misattributed names are not otherwise included anywhere in the Register.



THE AVAILABLE NAMES

Each available name is presented with the following details: (1) the root of the name, without rank-specific ending, with its author and year of publication, (2) the bibliographic citation, (3) the name as originally spelled, (4) the name’s type genus, (5) its objective status, and when appropriate, (6) its subjective status and (7) taxonomic position.

Available names: taxon name

The roots of the taxon names are presented in order to reenforce the principle of coordination established for family-group names in “Code” Article 36.1:

Name established for a taxon at any rank in the family group is deemed to have been simultaneously established for nominal taxa at all other ranks in the family-group; all these taxa have the same type genus, and their names are formed from the stem of the name of the type genus [Art. 29.3] with appropriate change of suffix [Art. 34.1]. The name has the same authorship and date at every rank.

further contextualized by Article 35:

35.1. [...] The family group encompasses all nominal taxa at the ranks of superfamily, family, subfamily, tribe, subtribe, and any other rank below superfamily and above genus that may be desired [...].

35.2. [...] Family-group names are subject to the same provisions whatever their rank, except in respect of their suffixes [...].

35.3. [...] The application of each family-group name is determined by reference to the type genus of the nominal taxon [...].

See below for the presentation of the original spelling of the taxon.

Author names can be presented following recommendation 51E of the “Code”, with the formula “Author X *in* Author Y”, indicating that the taxon was named by one or more authors within the work of another; for example “Herrich-Schaeffer *in* Koch” (an early example), “Raychaudhuri (D.N.), Pal & Ghosh (A.K.) *in* Raychaudhuri (D.N.)” or “Maxon *in* Patch *in* Britton [Ed.]”. In order that authorship attributions not extend at length, we have not employed this technique, but instead incorporated the taxon author within the bibliographic reference (see below).

If any part of the aphid bibliography contains multiple authors with the same surname, we provide the author’s first name initials in parentheses.

The year of publication of each name is the actual year, not the year specified in the published work itself. We did not use the double-year method proposed by the “Code” (recommendation 22A.2.3), for example, for a work printed as having been published in 1908 but actually published in 1909: 1909 (“1908”), 1909 [“1908”], 1909 (printed 1908), or 1909 (not 1908). Instead, the secondary date is presented in the citation in brackets before the colon preceding the reference’s page numbers.

A double-year can also have a very different meaning, the second year of which is in parentheses, for example “1905 (1843)” for ERIOSOMATINAE or “1910 (1887)” for MACROSIPHINI, in accordance with the “Code”:

40.2. [...] If, however, a family-group name was replaced before 1961 because of the synonymy of the type genus, the replacement name is to be maintained if it is in prevailing usage.

40.2.1. A name maintained by virtue of this Section retains its own author but takes the precedence of the replaced name of which it is deemed to be the senior synonym.

Recommendation 40A. [...] If the author and date are cited, a family-group name maintained under the provisions of Article 40.2.1 should be cited with its original author and date [...], followed by the date of its priority as determined by this Article; the date of priority should be enclosed in parentheses.

Available names: bibliographic references

If the taxon author is not the same as the publication's author, the bibliographic reference is presented with the publication's author first, thus avoiding the loss of attribution information.

If the printing year specified in the publication is not the real, actual publication year, it is included in brackets before the colon preceding the reference's page numbers.

Bibliographic references are given with the journal or book's full name, but article and book chapter titles are not presented. Titles are given in the original language if in the Latin alphabet. Those in a Cyrillic alphabet are transliterated using established standards and checked by A.V. Stekolshchikov (*Zoologicheskiy Institut, Rossiyskoy Akademii Nauk*; Saint Petersburg, Russia). If the journal or book title is bilingual, only one language is used.

When available, we included the journal's issue number along with its volume number.

The single page in authority citations is that on which the taxon name is found together with its description, or, with its corresponding indication in the case of genus-group names established before 1931, following the sense of 'indication' specified in Article 12.2.4 of the "Code":

[For the purposes of this Article the word "indication" denotes only the following:] the formation of a family-group name from an available generic name [Art. 29].

The page on which the name appears together with a formal description is the page cited, even if the name appeared on a previous page within, for example, an abstract, a key, a figure caption, a table heading, or a list. If there is no actual formal description but instead the name appears in a key, the page cited is the one on which the name appears at the end of a dichotomy.

Available names: original spelling

We present the name as first proposed.

If the name was established with an appropriate Latin suffix, it can be placed in a taxonomic rank. According to Article 29.2 of the "Code", family-group name suffixes are as follows:

Suffixes for family-group names. The suffix -OIDEA is used for a superfamily name, -IDAE for a family name, -INAE for a subfamily name, -INI for the name of a tribe, and -INA for the name of a subtribe. These suffixes must not be used at other family-group ranks. The suffixes of names for taxa at other ranks in the family-group are not regulated."

Classifications can use family-group taxonomic ranks other than superfamily, family, subfamily, tribe, and subtribe, as did certain aphid taxonomists of the past (see above the example regarding attributions of taxon names). Furthermore, some taxonomic ranks were not regulated in the past. We assigned the taxon rank proposed by the author in cases where the suffix is not today regulated by the “Code”.

When the name was established in a vernacular, we assigned the Latin spelling, author attribution, date, and citation as presented by “Code” Article 11.7.2:

If a family-group name was published before 1900, in accordance with the above provisions of this Article but not in latinized form, it is available with its original author and date only if it has been latinized by later authors and has been generally accepted as valid by authors interested in the group concerned and as dating from that first publication in vernacular form.

Available names: type genus

The family-group name’s type (name-bearing) genus is presented with its author and actual year of publication.

Data specific to these genera can be found in the Register of genus-group names.

Available names: objective status

A name’s objective status refers exclusively to nomenclatural criteria enumerated in the “Code”. A name’s objective status is stable and invariant over time, and independent of taxonomic classification.

In each case, besides being available, we specify if the name is potentially valid or objectively invalid. If invalid, the reason for its invalidity is given, be it suppression by the use of the Plenary Powers of the International Commission on Zoological Nomenclature, or by provision of “Code” Articles 39, 40.2, 61.3, or 61.3.2 (see below).

Supplementary information, such as a homonym’s replacement name, may be provided.

If the name is objectively invalid, no further details are provided. If it is objectively valid, more data are provided.

Available names: subjective status

The subjective status, not part of the proposal to the International Commission on Zoological Nomenclature –see Preface–, is given only for taxa that are potentially valid, that is objectively valid.

We state whether or not the name is subjectively valid, and if not, the reason for its invalidity.

Available names: taxonomic position

Taxonomic rank is not part of the proposal to the International Commission on Zoological Nomenclature –see Preface–, and is given only for taxa that are subjectively valid.

Readers who wish to know the taxonomic position of an invalid taxon should consult the entry for the corresponding senior synonym.

See the Preface and Table P-1 for a description of the taxonomic hierarchy used here.

**THE UNAVAILABLE NAMES**

For each unavailable name, we provide: (1) the taxon name with its author and year of publication, (2) the publication citation, (3) the name-bearing genus, and (4) the reason for being unavailable.

Unavailable names are presented with their original spelling, including suffix.

Authors, publication years, and citations follow the same criteria specified for available names.

“Name-bearing genus” is used instead of “type genus” to distinguish these names from those that are available.

Four reasons for family-group name unavailability are established in the “Code”, fixed in Articles 11.7.1, 11.7.2, 13.2.1, and 32.4 with 32.5.3.2 (see below).

When appropriate we direct the reader to a related available name.



ADDITIONAL DETAILS

The first family-group name for APHIDOIDEA was APHIDIDAE Latreille, 1802 (see below for details on the original spelling and publication date) and, the currently most recent family-group name is GONDVANOAPHIDIDAE Wegierek & Grimaldi, 2010 (August).

Number of family-group names of APHIDOIDEA: 158 (Table F-1).

Of these, the following ten were originally proposed in a vernacular and made valid retroactively when proposed in Latin (Article 11.7.2; see above): MYZOXYL_ (by Amyot & Audinet-Serville in 1843); LACHN_, PEMPHIG_, SCHIZONEUR_, TETRANEUR_ and TRAM_ (by Herrich-Schaeffer in 1854); and CALLIPTER_, DREPANOSIPH_, PHYLLAPHID_ and PROCIPHIL_ (by Herrich-Schaeffer in 1857).

Original spelling and year of publication of APHIDIDAE Latreille, 1802

Family-group taxa first appeared in the literature in 1796 under the authorship of Latreille (“*Précis des caractères génériques des insectes, disposés dans un ordre naturel*”); in the 10th year of the French Revolutionary Calendar in his “*Histoire naturelle générale et particulière des crustacés et insectes*”, Volume 3, he established the family APHIDIDAE (page 263):

FAMILLE QUATRIEME.

APHIDIENS ; *aphidii*.

Antennes de six pièces ou davantage, plus longues que la tête , filiformes ou sétacées. Bec paroissant prendre son origine de la partir inférieure de la tête , de deux à quatre articles , perpendiculaire ou courbé sous la poitrine. Tarses d’un à deux articles.

Corps souvent très-mou, sautant dans quelques-uns , à tête presque ronde ou carrée. Corselet souvent arrondi , à premier segment souvent court , et le second grand. Elytres presque membraneuses ou membraneuses , manquant quelquefois , ainsi que les ailes , en toit ou horizontales. Deux tubercules ou deux pointes près l’anus dans un grand nombre.

This “fourth” family was one of five that divided the order HEMIPTERA and included aphids, whiteflies, and thrips.

The International Commission on Zoological Nomenclature ruled that the correct spelling of the name is ‘Aphididae’, and not ‘Aphidae’, ‘Aphidina’, nor ‘Aphiidae’ per Leach (1815), Burmeister (1835), and A.C. Baker (1921), respectively (1963, Opinion 677, 1963, Bulletin of Zoological Nomenclature, 20: 336–338) [see also “Official Lists and Indexes of Names in Zoology. Updated March 2010” in <http://iczn.org/sites/iczn.org/files/lists&indexes.pdf>] –see the unavailable names section of the Register–.

It is interesting to note that, nonetheless, the common name of these insects in Western languages uses the root “aph” and not “aphid”, hence in English: aphids, and not aphidids –which is seen on rare occasions–, and in Spanish *áfidos*, in French *aphides*, in German *Aphiden*, in Italian *afidi*, etc.

Regarding the publication year, one often finds it written as “[1802-1803]” or “[1802]”, for example in the “Opinion 677” and in the “Official Lists and Indexes of Names...” just mentioned. The double year (1802-1803) is because the 10th year of the French Revolutionary Calendar began on 22 September 1802 and ended on 21 September 1803 of our Gregorian calendar. The actual date of 1802 is indicated by Latreille himself on page 269 and in the annotation associated with the volume in the *Smithsonian Institution (Biodiversity Heritage Library – <http://www.biodiversitylibrary.org/item/53248#9>)*.

There is no rule in the current edition of the “Code” (Fourth Edition) indicating whether to use the date in brackets or in quotations in this unusual case.

Unavailable nominal family-group taxa of APHIDOIDEA

Unavailable names: 22 (Table F-1, Figure F-1).

Summary of unavailable names, their authors, and reason for unavailability

Three names were ruled unavailable by the International Commission on Zoological Nomenclature (Opinion 677): Aphidae Leach, Aphidina Burmeister, and Aphiidae Baker (A.C.).

Ten, attributed to Herrich-Schaeffer (1854, 5 names), Börner (1932, 1 name; 1944, 3 names), and Börner & Heinze (1957, 1 name), were proposed before 1931 without a name-bearing genus, contradicting “Code” Article 11.7.1.1:

[A family-group name when first published must meet all the following criteria. It must: ...] be a noun in the nominative plural formed from the stem of an available generic name.

One name attributed to Herrich-Schaeffer (1854) was proposed in vernacular language and not subsequently Latinized (Article 11.7.2 – see above).

Four names attributed to Eastop (1977), Eastop & van Emden (1972), Heie (1967), and Remaudière & Stroyan (1984), were proposed after 1961

and before 2000 without a text description and without exception as stipulated in Article 13.2.1:

A family-group name first published after 1930 and before 1961 which does not satisfy the provisions of Article 13.1 is available from its original publication only if it was used as valid before 2000, and also was not rejected by an author who, after 1960 and before 2000, expressly applied Article 13 of the then current editions of the Code.

Four names, attributed to Börner (1952) were proposed with an incorrect spelling based on a genus name invalid by unjustified emendation, per Articles 32.4 and 32.5.3.2:

An original spelling is an “incorrect original spelling” if it must be corrected as required in Article 32.5. An incorrect original spelling has no separate availability and cannot enter into homonymy or be used as a substitute name.

[A family-group name is an incorrect original spelling and must be corrected if it] is formed from an unjustified emendation of a generic name (unless the unjustified emendation has become a substitute name) [...]

Summary of available nominal family-group taxa of APHIDOIDEA

Available names: 136 (Table F-1, Figure F-1).

Chronology

During the 19th Century, the years 1854 and 1857 saw significantly more family-group taxa proposed (Table F-1, Figure F-1) than any others, due to Herrich-Schaeffer’s “*Vorwort des Herausgebers*” in the first and compendium volumes of Koch’s “*Die Pflanzenläuse Aphiden*”.

The 20th Century saw great variability in the establishment of family-group names (Table F-1, Figure F-2), reaching a maximum in the decade 1921-1930 and other high points in the decades 1911-1920 and 1951-1960. These high volumes of proposed names were due to the taxonomic work of five authors: Börner, Mordvilko, Baker, Oestlund, and Takahashi, who proposed, 35, 12, 10, 6, and 5 family-level taxa, respectively.

Authorities

Available family-group taxa proposed by one author alone: 122.

Available names proposed by two to four authors: 14.

Number of different family-group name authorships (including different attributed author orders): 44.

Number of authors involved: 52 (Table F-2).

The four most prolific authors, having proposed nine or more family-group names (Börner, Mordvilko, Baker and Herrich-Schaeffer), are responsible for a half of names (50.2%, Table F-2).

Nominal, valid and invalid name-bearing genera: summary

Family-group names objectively invalid: 16.

Three (BYRSOCRYPT_ Börner, 1944, CALLAPHID_ Börner, 1952, and RHIZOBI_ Passerini, 1863) are invalid because their type genera are suppressed by ruling of the International Commission on Zoological Nomenclature, per “Code” Article 39:

The name of a family-group taxon is invalid if the name of its type genus is a junior homonym or has been totally or partially suppressed (see Articles 81.2.1 and 81.2.2) by the Commission. If that family-group name is in use it must be replaced either by the next oldest available name from among its synonyms [Art. 23.3.5], including the names of its subordinate family-group taxa, or, if there is no such synonym, by a new name based on the valid name (whether a synonym or a new replacement name (nomen novum)) of the former type genus.

Six (CALLIPTER_ Herrich-Schaeffer, 1857, DASI_ van der Goot, 1918, GEORGI_ Maxson & Hottes, 1926, SETAPHID_ van der Goot, 1917, SIPHONOPHOR_ Thomas, 1879, and VERRUCOS_ Poinar & Brown, 2005) are invalid because their type genera are junior homonyms, per Article 39 (see previous paragraph).

One (SCHOUTEDENI_ Remaudière & Quednau, 1988) is invalid because its type genus is simultaneously a junior homonym and a junior objective synonym, referable to Articles 39 (see above) and 61.3.1:

If nominal taxa with different name-bearing types are referred to a single taxonomic taxon, their names are subjective synonyms at the rank of that taxon (but need not be synonyms at a subordinate rank).

One (PTEROCLOR_ Mordvilko, 1914) is invalid because its type genus is a junior objective synonym, referable to Article 61.3.2:

If two or more objectively synonymous generic names have been used as the basis for names in the family group, the family-group names are objective synonyms.

Five more (MYZOXYL_ Amyot & Audinet-Serville, 1843, NECTAROPHOR_ Oestlund, 1887, TRICHOSIPH_ Wilson, 1910, PEMPHIGELL_ Mordvilko, 1914, and AGRIOAPHID_ Börner, 1930) are invalid because their type genera, prior to 1961, were replaced by others in predominant usage, referable to Article 40.2 (see above).

Family-group names objectively valid: 120.

Names subjectively invalid: 70.

Names subjectively valid: 50.

Authors or at least five objectively valid names: 6 (Table F-3).

Table F-1. Number of family-group taxa names proposed from 1802 through 2010, grouped by decade.**Table F-1.** Taxones nominales del nivel familia establecidos desde 1802 hasta 2010, agrupados por décadas.

Period / decade	Number of available taxa names number (%)	Number of unavailable taxa names number (%)
Período / década	Taxones nominales disponibles cantidad (%)	Taxones nominales indisponibles cantidad (%)
1802–1810	1 (0.74)	0
1811–1820	0	1 (4.54)
1821–1830	0	0
1831–1840	0	1 (4.54)
1840–1850	1 (0.74)	0
1850–1860	9 (6.62)	6 (27.27)
1860–1870	2 (1.47)	0
1870–1880	1 (0.74)	0
1881–1890	1 (0.74)	0
1891–1900	2 (1.47)	0
1901–1910	8 (5.88)	0
1911–1920	21 (15.44)	0
1921–1930	26 (19.12)	1 (4.54)
1931–1940	5 (3.68)	1 (4.54)
1941–1950	14 (10.29)	3 (13.63)
1951–1960	21 (15.44)	5 (22.72)
1961–1970	8 (5.88)	1 (4.54)
1971–1980	3 (1.96)	2 (9.09)
1981–1990	6 (4.41)	1 (4.54)
1991–2000	4 (2.94)	0
2001–2010	3 (1.96)	0
<i>1802–2010</i>	<i>136</i>	<i>22</i>

Figure F-1. Number of family-group taxa names proposed from 1802 through 2010, grouped by decade.

Figura F-1. Taxones nominales del nivel familia establecidos desde 1802 hasta 2010, agrupados por décadas desde 1810.

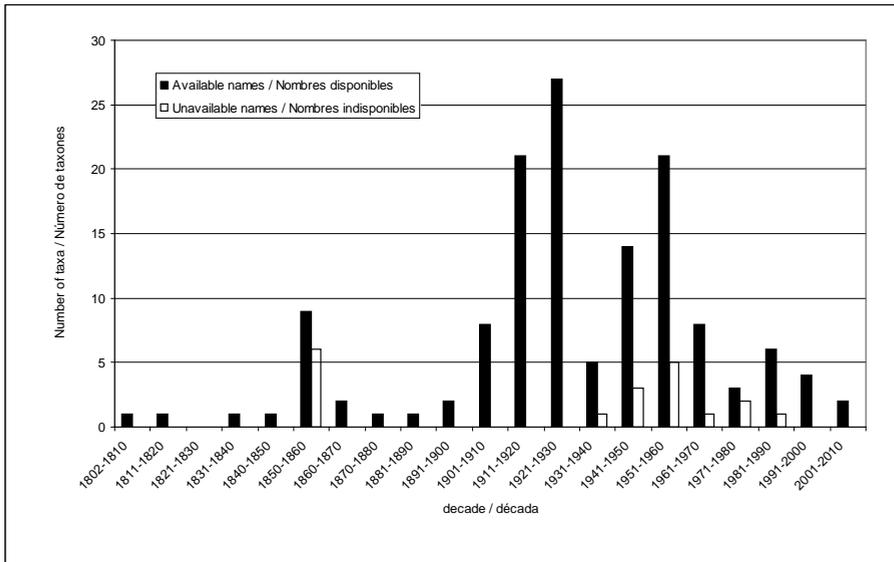


Table F-2. Aphid taxonomists who proposed available family-group taxa.**Tabla F-2.** Afidólogos que han establecido taxones disponibles de nivel familia.

Author	Total number of names (%)	Number of available and objectively valid names	Number of subjectively valid names	Number of subjectively invalid names
Autor	Taxones descritos total (porcentaje)	Disponibles y potencialmente válidos	Válidos subjetivos	Inválidos subjetivos
Börner	35 (25.74)	32	2	30
Mordvilko	14 (10.29)	12	5	7
Baker (A.C.)	10 (7.35)	10	6	4
Herrich-Schaeffer	9 (6.62)	8	5	3
Oestlund	7 (5.15)	6	3	3
Takahashi	5 (3.68)	5	1	4
Quednau	4 (2.94)	4	0	4
Heie	3 (1.96)	3	3	0
Hille Ris Lambers	3 (1.96)	3	1	2
van der Goot	3 (1.96)	1	1	0
Wilson	3 (1.96)	2	2	0
Maxson & Hottes	2 (1.47)	1	0	1
Narzikulov	2 (1.47)	2	0	2
Passerini	2 (1.47)	1	0	1
Poinar & Brown	2 (1.47)	1	1	0
Quednau & Remaudière	2 (1.47)	2	1	1
Remaudière & Quednau	2 (1.47)	1	1	0
Tullgren	2 (1.47)	2	2	0
Acloque	1 (0.74)	1	1	0
Amyot & Audinet-Serville	1 (0.74)	0	0	0
Blanchard (E.E.)	1 (0.74)	1	1	0
Czylok	1 (0.74)	1	0	1
Del Guercio	1 (0.74)	1	0	1
Eastop	1 (0.74)	1	0	1
Essig	1 (0.74)	1	1	0
Gaumont	1 (0.74)	1	0	1
Ghosh (A.K.)	1 (0.74)	1	1	0

Author	Total number of names (%)	Number of available and objectively valid names	Number of subjectively valid names	Number of subjectively invalid names
Ilharco	1 (0.74)	1	1	0
Kirkaldy	1 (0.74)	1	1	0
Latreille	1 (0.74)	1	1	0
Maxon	1 (0.74)	1	0	1
Nevsky	1 (0.74)	1	0	1
Pashchenko	1 (0.74)	1	0	1
Raychaudhuri (D.N.), Pal & Ghosh (A.K.)	1 (0.74)	1	1	0
Richards	1 (0.74)	1	1	0
Shaposhnikov	1 (0.74)	1	1	0
Shinji	1 (0.74)	1	0	1
Stroyan	1 (0.74)	1	0	1
Szelegiewicz	1 (0.74)	1	0	1
Thomas	1 (0.74)	0	0	0
Wegierek & Grimaldi	1 (0.74)	1	1	0
Zachvatkin & Aizenberg	1 (0.74)	1	1	0
Zhang (J.), Zhang (S.), Hou & Ma	1 (0.74)	1	1	0
Zhang (G.-x.) & Hong	1 (0.74)	1	1	0

REGISTRO DE LOS TAXONES DEL NIVEL FAMILIA DE APHIDOIDEA

Este “Registro de los taxones del nivel familia de APHIDOIDEA” se corresponde con la “Propuesta” aprobada en el *Seventh International Symposium on Aphids* —ver “Prefacio”— con la adición de un taxón descrito después del 30 de septiembre de 2000, fecha límite en la “Propuesta” y con algunas correcciones consecuencia del trabajo desarrollado para la preparación de la “Propuesta” referida a los taxones del nivel género.

De acuerdo con los criterios taxonómicos utilizados —ver “Prefacio”— en la superfamilia APHIDOIDEA se incluyen las familias APHIDIDAE, CANADAPHIDIDAE (extinta), CRETAMYZIDAE (extinta), DREANOCHAITOPHORIDAE (extinta), OVIPAROSIPHIDAE (extinta), PARVAVERRUCOSIDAE (extinta) y SINAPHIDIDAE (extinta). No están incluidas en ella las familias PHYLLOXERIDAE, ADELGIDAE, MESOZOICAPHIDIDAE (extinta), ELEKTRAPHIDIDAE (extinta) y taxones subordinados; y tampoco lo están otras familias emparentadas, por orden alfabético: BURMITAPHIDIDAE, CREAPHIDIDAE, ELLINAPHIDIDAE, GENAPHIDIDAE, GRASSYAPHIDIDAE, KHATANGAPHIDIDAE, LEBANAPHIDIDAE, NAIBIDAE, PALAEOAPHIDIDAE, RETINAPHIDIDAE, SHAPOSHNIKOVIIDAE, SINOJURAPHIDIDAE, SZELEGIEWICZIIDAE, TAJMYRAPHIDIDAE y TRIASSOAPHIDIDAE, todas ellas extintas. Para detalles se puede consultar el artículo de Heie y Wegierek (2009, *Redia*, 92: 69–77), mencionado en el “Prefacio”.

Nieto Nafría, Pérez Hidalgo y Mier Durante (2007, *Zootaxa*, 1629: 51–55) dieron a conocer unos resultados parciales de este trabajo.

Este “Registro” consta de dos secciones: “Nombres disponibles” y “Nombres indisponibles”. Es preciso tener en cuenta que los términos ‘disponible’ e ‘indisponible’, así como los términos ‘válido’ e ‘inválido’, se utilizan con el significado exacto que les atribuye el “Código Internacional de Nomenclatura Zoológica, cuarta edición” [de aquí en adelante: el “Código”], que no siempre es coincidente con el significado recogido en los diccionarios al uso.

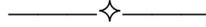
La sección de “Nombres disponibles” es la fundamental del “Repertorio” y la de “Nombres indisponibles” se presenta como complemento de la anterior —ver “Prefacio”—.

En tiempos pasados muchos autores no atribuían los taxones del nivel familia a su verdadero autor —persona que lo estableció con cualquier categoría taxonómica—, dejando de lado el principio de coordinación consagrado en el “Código”, atribuyéndoselos por contra a quien les hubiera otorgado una categoría concreta o usado por primera vez con un sentido taxonómico determinado. Como consecuencia se producían atribuciones múltiples, así por ejemplo en una obra prestigiosa de mediados del siglo XX (Börner, 1952. *Europae Centralis Aphides die Blattlaeuse Mitteleuropas*), se puede leer (traduciendo al español las denominaciones de las categorías y completando los nombres de los autores): «*sub-superfamilia* APHIDOIDEA Börner, *infra-superfamilia*

APHIDINA Burmeister, familia APHIDIDAE (Herrich-Schaeffer) Börner, subfamilia APHIDINAE (Mordvilko) Börner, tribu APHIDINI Börner».

La información taxonómica que se suministra con notaciones de ese tipo se puede entender adecuadamente introduciendo “*sensu*” (en el sentido de) tras el nombre del taxón o de su autor verdadero.

Evidentemente los nombres con esas atribuciones taxonómicas no se han incluido en ninguna de las dos secciones del “Registro”.



LOS NOMBRES DISPONIBLES

De cada nombre disponible se facilita la siguiente información: (1) nombre del taxón reducido a su raíz, con su autor y fecha de establecimiento, (2) referencia bibliográfica, (3) grafía original del nombre, (4) género tipo y (5) estatus objetivo, y en su caso (6) estatus subjetivo y (7) posición taxonómica.

Nombres disponibles: nombre del taxón

Los nombres de los taxones se presentan reducidos a su raíz, con la finalidad de reforzar el respeto del principio de coordinación, que el artículo 36.1 del “Código” establece para los nombres del nivel familia así:

«Se considera que un nombre establecido para un taxon de cualquier categoría de nivel familia se establece simultáneamente para los taxones nominales de todas las demás categorías del nivel familia; todos estos taxones tienen el mismo género tipo y sus nombres se forman a partir de la raíz del nombre del género tipo [Art. 29.3] con el cambio adecuado de sufijo [Art. 34.1]. El nombre tiene la misma autoría y fecha en cada categoría».

Que es necesario contextualizar con lo establecido en el artículo 35:

«35.1. [...] El nivel familia abarca todos los taxones nominales de las categorías de superfamilia, familia, subfamilia, tribu, subtribu y cualquier otra categoría por debajo de superfamilia y por encima de género que se desee [...].

»35.2. [...] Los nombres del nivel familia, sin importar su categoría, están sujetos a las mismas disposiciones, salvo en lo que respecta a sus sufijos [...].

»35.3. [...] La aplicación de cada nombre del nivel familia viene determinada por la referencia al género tipo del taxon nominal [...].»

Véase más adelante cómo se proporciona la grafía original del taxón.

Para los nombres de los autores el “Código” (Recomendación 51E) permite el uso de la fórmula “autor X *in* autor Y”, mediante la cual se informa que el taxón fue establecido por un autor (singular o múltiple) en una obra de otro autor, como “Herrich-Schaeffer *in* Koch” (en un ejemplo anterior), “Raychaudhuri (D.N.), Pal & Ghosh (A.K.) *in* Raychaudhuri (D.N.)” o “Maxon *in* Patch *in* Britton [Ed.]”. No hemos hecho uso de esa posibilidad para no alargar en exceso las autorías; en

contrapartida el nombre del autor de la publicación se ha incorporado a la referencia bibliográfica (ver más adelante).

Si en la bibliografía afidológica hay dos o más autores con el mismo apellido, se dan las iniciales de los nombres de pila entre paréntesis.

La fecha de establecimiento de cada taxón que se consigna es la fecha real de publicación y no la fecha especificada en la obra en la que apareció. No se utiliza la doble mención que permite el “Código” (Recomendación 22A.2.3) de las siguientes formas: 1909 (“1908”), 1909 [“1908”], 1909 (impreso 1908) ó 1909 (no 1908), para una publicación cuya fecha especificada sea 1908 pero cuya fecha real de publicación, sin margen de duda, fue 1909. En contrapartida se incluye esa segunda fecha en la referencia bibliográfica entre corchetes inmediatamente por delante de los dos puntos que preceden a la página.

Con un significado muy diferente en algunos taxones la fecha es doble, con la segunda de ellas entre paréntesis, por ejemplo «1905 (1843)» en ERIOSOMATINAE o «1910 (1887)» en MACROSIPHINI, de acuerdo con lo dispuesto en el “Código”:

«40.2. [...] si un nombre del grupo familia se reemplazó antes de 1961 a causa de la sinonimia del género tipo, el nombre de sustitución debe mantenerse si es de uso predominante.

»40.2.1. Un nombre mantenido en virtud de este artículo conserva su propio autor, pero toma la prioridad del nombre reemplazado, del que se considera el sinónimo más antiguo.

»Recomendación 40A. [...] un nombre de nivel familia mantenido conforme a las disposiciones del artículo 40.2.1 debería citarse con su autor y fecha originales [...] seguido de la fecha de su prioridad según lo determina este artículo; la fecha de prioridad debería ir entre paréntesis».

Nombres disponibles: referencia bibliográfica

Si el autor del taxón no coincide con el autor del libro o del artículo en el que se estableció, la referencia comienza con el nombre del autor de ese libro o artículo. Se evita así la pérdida de información que se ha mencionado más arriba.

Si el año especificado en la obra (fecha impresa) no coincide con el de la publicación (fecha real), aquél se incluye entre corchetes inmediatamente delante de los dos puntos que preceden a la página.

La referencia bibliográfica se da con el título completo de la revista o del libro y no se proporcionan el título del artículo en la revista ni el título de un posible capítulo de libro. Los títulos se dan en la lengua en la que están escritos si ésta utiliza el alfabeto latino. Si el alfabeto utilizado es el cirílico se ha realizado una transliteración de acuerdo con normas al uso, que han sido comprobadas por A.V. Stekolshchikov (*Zoologicheskiy Institut, Rossiyskoy Akademii Nauk*; San Petersburgo, Rusia). Si el título del libro o de la revista es bilingüe se da solamente en una de ellas.

Cuando ha sido posible se proporciona el fascículo del volumen de las revistas.

La página única que se cita en la referencia, es aquélla en la que figura el nombre del taxón junto a la descripción o en el caso de géneros establecidos antes de 1931 junto a la correspondiente indicación; entendiéndose por indicación lo fijado por el artículo 12.2.4 del “Código” que dice:

«[A los efectos de este artículo la palabra “indicación” denota sólo lo siguiente:] la formación de un nombre de nivel familia a partir de un nombre genérico disponible [artículo 29]».

Si hay descripción formal se consigna la página en la que aparece el nombre, como se acaba de indicar, que normalmente —aunque no siempre— se sitúa al comienzo de la descripción, y aunque el nombre aparezca en alguna página anterior, por ejemplo en un resumen, en una clave, en el pie de una ilustración, en una tabla, en una lista, etc. Si no hay una descripción formal pero hay una descripción implícita al reunirse los caracteres expuestos en una clave dicotómica, la página que se consigna es aquella en la que aparece el nombre al final de una proposición de una de las disyuntivas de la clave.

Nombres disponibles: grafía original

Se proporciona la grafía original del taxón.

Si al establecer el taxón se utilizó un sufijo latino correcto es posible asignar una categoría taxonómica. Sobre los sufijos el artículo 29.2 del “Código” determina:

«Se usa el sufijo -OIDEA para el nombre de superfamilia, el sufijo -IDAE para el nombre de familia, el sufijo -INAE para el nombre de subfamilia, el sufijo -INI para el nombre de tribu y el sufijo -INA para el nombre de subtribu. Estos sufijos no deben usarse para otras categorías del grupo familia. Los sufijos de los nombres para táxones de otras categorías del grupo familia no quedan regulados».

Como se puede ver, en una clasificación es posible utilizar otras categorías taxonómicas de nivel familia, además de superfamilia, familia, subfamilia, tribu y subtribu; de hecho así hicieron algunos taxónomos de pulgones en el pasado (véase el ejemplo anterior a propósito de las atribuciones de los nombres de los taxones). También se debe tener en cuenta que las categorías reguladas han ido aumentando con los años. Se proporciona el rango adjudicado al taxón por el autor en los casos en los que el sufijo no es ninguno de los ahora regulados en el “Código”.

En los casos en los que el taxón fue establecido en una lengua vernácula se consigna la adopción de la grafía latina con autor, fecha y referencia, como determina el artículo 11.7.2 del “Código”:

«Si un nombre del grupo familia se publicó antes de 1900, siguiendo las disposiciones anteriores de este artículo pero sin forma latinizada, está disponible con su autor y fecha originales sólo si ha sido latinizado por autores posteriores y en general ha sido aceptado como válido por autores interesados en el grupo en cuestión, con la fecha de esa primera publicación en forma vernácula».

Nombres disponibles: género tipo

Se facilita el nombre del género tipo (“género portanombre”) con su autor y fecha, la fecha real de publicación.

Los datos sobre cada uno de los géneros tipo se pueden consultar en el “Registro” de taxones del nivel género.

Nombres disponibles: estatus objetivo

Como es conocido el estatus objetivo se debe a criterios totalmente nomenclaturales, los cuales están fijados exhaustivamente en el “Código”. El estatus objetivo es independiente de opciones taxonómicas.

En cada caso se precisa si el taxón, además de “disponible” (*available*), es “potencialmente válido” u “objetivamente inválido”. Si es “objetivamente inválido” se da la causa de invalidez, que puede ser por supresión dictada por la Comisión Internacional de Nomenclatura Zoológica en uso de sus “Poderes Plenarios”, o por lo dispuesto en los artículos 39, 40.2, 61.3.1 ó 61.3.2 del “Código” (ver más adelante).

En algunos casos se proporcionan informaciones complementarias sobre el estatus objetivo, como por ejemplo el nombre de sustitución.

Si el nombre es inválido objetivo la información ha concluido. Si el taxón es válido objetivo la información continúa.

Nombres disponibles: estatus subjetivo

El estatus subjetivo, que no forma parte de la “Propuesta” —véase el Prefacio—, se precisa solamente para los taxones que son potencialmente válidos (válidos objetivos).

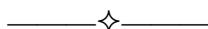
Se informa si el nombre es válido [subjetivo] o si es inválido, y la causa de invalidez.

Nombres disponibles: posición taxonómica

La posición taxonómica tampoco forma parte de la “Propuesta” —ver el Prefacio— y se precisa únicamente para los taxones que son válidos subjetivos.

Si el lector quisiera conocer la posición taxonómica de un taxón inválido deberá consultar la entrada del sinónimo anterior correspondiente.

Para la clasificación utilizada véase lo expuesto en el “Prefacio” o consúltese la tabla P-1.



LOS NOMBRES INDISPONIBLES

De cada nombre indisponible se facilita: (1) el nombre del taxón, con su autor y fecha, (2) la referencia de la publicación, (3) el nombre del género portanombre, y (4) la causa de indisponibilidad.

Los nombres de los taxones se presentan en su grafía original, incluyendo el sufijo.

Para los autores, fechas, y referencias bibliográficas vale para los nombres disponibles.

Se utiliza “género portanombre” en vez de “género tipo” para reforzar la diferencia de estos nombres con los nombres disponibles.

Las causas de indisponibilidad son cuatro de las establecidas en el “Código” para taxones de este nivel, en concreto las fijadas en los artículos 11.7.1, 11.7.2, 13.2.1, y 32.4 más 32.5.3.2 (ver más adelante).

Cuando es posible se remite al lector a un nombre disponible relacionado.



INFORMACIONES ADICIONALES

Primer nombre de nivel familia de APHIDOIDEA establecido: APHIDIDAE Latreille, 1802 (ver más adelante informaciones sobre la grafía original y la fecha). Y por el momento, último taxón de nivel familia de APHIDOIDEA establecido: GONDVANOAPHIDIDAE Wegierek & Grimaldi, 2010 (agosto).

Taxones de nivel familia de APHIDOIDEA establecidos: 158 (tabla F-1).

De ellos, los diez siguientes fueron establecidos inicialmente en una lengua vernácula y validados con posterioridad al presentarse escritos en latín (artículo 11.7.2; ver arriba): MYZOXYL_ (por Amyot & Audinet-Serville en 1843); LACHN_, PEMPHIG_, SCHIZONEUR_, TETRANEUR_ y TRAM_ (por Herrich-Schaeffer en 1854); y CALLIPTER_, DREPANOSIPH_, PHYLLAPHID_ y PROCIPHIL_ (por Herrich-Schaeffer, 1857).

Grafía original y fecha de establecimiento de APHIDIDAE Latreille, 1802

Latreille en 1796 (*“Précis des caractères génériques des insectes, disposés dans un ordre naturel”*) introdujo los taxones de nivel familia en la nomenclatura zoológica, y en el año X del calendario revolucionario francés en su *“Histoire naturelle générale et particulière des crustacés et insectes”*, volumen 3, estableció la familia APHIDIDAE de la siguiente forma (página 263):

«FAMILLE QUATRIEME.

»APHIDIENS , *aphidii*.

»Antennes de six pièces ou davantage, plus longues que la tête , filiformes ou sétacées. Bec paroissant prendre son origine de la partir inférieure de la tête , de deux à quatre articles , perpendiculaire ou courbé sous la poitrine. Tarses d'un à deux articles.

»*Corps souvent très-mou , sautant dans quelques-uns , à tête presque ronde ou carrée. Corselet souvent arrondi , à premier segment souvent court , et le second grand. Elytres presque membraneuses ou membraneuses , manquant quelquefois , ainsi que les ailes , en toit ou horizontales. Deux tubercules ou deux pointes près l'anús dans un grand nombre.*

Esa familia “cuarta” era una de las cinco en las que él dividía el orden HEMIPTERA, incluyendo a los pulgones junto con los aleiródidos y los trips.

Sobre el nombre de la familia se pronunció la Comisión Internacional de Nomenclatura Zoológica (1963, *Opinion 677*, 1963, *Bulletin of Zoological Nomencla-*

ture, 20: 336–338) [ver también “*Official Lists and Indexes of Names in Zoology. Updated March 2010*” en <http://iczn.org/sites/iczn.org/files/lists&indexes.pdf>] que determinó que la grafía correcta es Aphididae, en detrimento de ‘Aphidae’, ‘Aphidina’ y ‘Aphiidae’, respectivamente de Leach (1815), de Burmeister (1835) y de A.C. Baker (1921) —ver sección de nombres indisponibles del “Repertorio”—.

Es curioso señalar que, sin embargo, la palabra que para designar a estos insectos se ha incorporado a las lenguas occidentales está formada con la raíz “aph” y no con la raíz “aphid”, así en español: áfidos y no afídidos —que también se encuentra a veces—, en inglés *aphids*, en francés *aphides*, en alemán *Aphiden*, en italiano *afidi*, etc.

En cuanto a la fecha, no es infrecuente verla escrita “[1802–1803]” o “[1802]”, por ejemplo así figura respectivamente en la “*Opinion 677*” y en los “*Official Lists and Indexes of Names...*” acabados de mencionar. El doble año (1802–1803) se debe a que el año X del calendario revolucionario francés comenzó el 22 de septiembre de 1802 y terminó el 21 de septiembre de 1803 de nuestro calendario gregoriano. La fecha real a favor de 1802 se debe a una frase del propio Latreille en la página 369 y en la anotación en la portada del volumen conservado en la *Smithsonian Institution (Biodiversity Heritage Library — <http://www.biodiversitylibrary.org/item/53248#9>)*.

En el “Código” vigente no encontramos ningún precepto que determine que la fecha deba estar por un motivo como éste entre paréntesis o entre corchetes.

Taxones nominales de nivel familia de APHIDOIDEA indisponibles

Taxones indisponibles: 22 (tabla F-1, figura F-1).

Cantidad de casos, autores implicados y causas de indisponibilidad

Tres de ellos por acuerdo de la Comisión Internacional de Nomenclatura Zoológica (*Opinion 677*): Aphidae Leach, Aphidina Burmeister, and Aphiidae Baker.

Diez nombres, debidos a Herrich-Schaeffer (1854, 5 nombres), Börner (1932, 1 nombre; 1944, 3 nombres) y Börner & Heinze (1957, 1 nombre), por haber sido establecidos antes de 1931 sin género portanombre disponible, contraviniendo el artículo 11.7.1.1, que dice:

«[Un nombre de nivel familia al ser publicado por primera vez debe ...] ser un nombre en nominativo plural formado a partir de la raíz de un nombre genérico disponible».

Un nombre, debido a Herrich-Schaeffer (1854), por haber sido establecido en lengua vernácula y no haber sido latinizado, artículo 11.7.2 (ver más arriba).

Cuatro nombres, debidos a Eastop (1977), Eastop & van Emden (1972), Heie (1967) y Remaudière & Stroyan (1984), por haber sido establecidos después de 1961 y antes de 2000 sin descripción verbal y sin que se les pueda aplicar el artículo 13.2.1, que dice:

«Un nombre de nivel familia publicado por primera vez después de 1930 y antes de 1961 que no satisfaga las disposiciones del artículo 13.1 queda disponible a partir de su publicación original sólo

si estaba en uso antes de 2000 y también si no lo rechazó autor alguno que, después de 1960 y antes de 2000, aplicó expresamente el artículo 13 de las ediciones del Código entonces en vigor».

Cuatro nombres, debidos a Börner (1952), por haber sido establecidos con una grafía original incorrecta basada en el nombre de un género que es inválido por enmienda injustificada, artículos 32.4 y 32.5.3.2, respectivamente:

«Una grafía original es una “grafía original incorrecta” si debe corregirse siguiendo lo establecido en el artículo 32.5. Una grafía original incorrecta no tiene disponibilidad separada y no puede entrar en homonimia o usarse como nombre de sustitución».

«[Un nombre de nivel familia es una grafía original incorrecta y por ello debe corregirse si] se forma a partir de una enmienda injustificada de un nombre genérico (a menos que la enmienda injustificada se haya convertido en un nombre de sustitución), [...]».

Taxones nominales de nivel familia de APHIDOIDEA disponibles

Taxones disponibles: 136 (tabla F-1, figura F-1).

Cronología

En el siglo XIX los años con más taxones del nivel familia establecidos, con mucha diferencia de los restantes (tabla F-1, figura F-1), fueron 1854 y 1857, debido a la actuación de Herrich-Schaeffer en el “*Vorwort des Herausgebers*” al primer fascículo y al volumen íntegro, respectivamente de “*Die Pflanzenläuse Aphiden*” de Koch.

La producción de nombres de taxones de nivel familia tuvo en el siglo XX una intensidad muy variable (tabla F-1, figura F-2), apreciándose un máximo muy nítido en la década 1921–1930 y dos submáximos en las décadas 1911–1920 y 1951–1960, debidos en su mayor parte a la actividad de cinco autores: Börner, Mordvilko, Baker, Oestlund y Takahashi, que establecieron respectivamente 35, 12, 10, 6 y 5 taxones de este nivel.

Autorías

Taxones disponibles de autor único: 122.

Taxones disponibles con autor múltiple, dos a cuatro personas: 14.

Autorías diferentes, considerando también el orden de las personas: 44.

Personas involucradas: 52 (tabla F-2).

Las cuatro personas más prolíficas, responsable cada una de cinco taxones de nivel familia al menos (Börner, Mordvilko, Baker and Herrich-Schaeffer) son responsables de la mitad (50,2%) de los nombres de nivel familia (tabla F-2).

Taxones nominales del nivel género válidos e inválidos; cantidad y causas

Taxones objetivamente inválidos: 16.

Tres (BYRSOCRYPT_ Börner, 1944, CALLAPHID_ Börner, 1952, y RHIZOBI_ Passerini, 1863) porque su correspondiente género tipo está suprimido por la Comisión Internacional de Nomenclatura Zoológica, según lo dispuesto en el artículo 39 del “Código”, que dice:

«El nombre de un taxon de nivel familia es inválido si el nombre de su género tipo es un homónimo más moderno o lo ha suprimido la Comisión total o parcialmente (véanse los artículos 81.2.1 y 81.2.2). Si ese nombre de nivel familia está en uso, debe reemplazarse bien por el nombre disponible más antiguo entre sus sinónimos [Art. 23.35], incluyendo los nombres de sus taxones subordinados de nivel familia, bien, si no existe tal sinónimo, por un nombre nuevo basado en el nombre válido (sea un sinónimo o un nombre de reemplazo nuevo (nomen novum)) del género tipo original».

Seis (CALLIPTER_ Herrich-Schaeffer, 1857, DASI_ van der Goot, 1918, GEORGI_ Maxson & Hottes, 1926, SETAPHID_ van der Goot, 1917, SIPHONOPHOR_ Thomas, 1879, y VERRUCOS_ Poinar & Brown, 2005) porque su correspondiente género tipo es homónimo posterior, artículo 39 (ver párrafo anterior).

Uno (SCHOUTEDENI_ Remaudière & Quednau, 1988) porque su género tipo es homónimo posterior y simultáneamente sinónimo objetivo posterior, respectivamente artículos 39 (ver más arriba) y 61.3.1, que dice:

«Si taxones nominales con diferentes tipos portanombre se atribuyen a un único taxon taxonómico, sus nombres son sinónimos subjetivos en la categoría de ese taxon (pero no tienen por qué serlo en una categoría subordinada)».

Uno (PTEROCLOR_ Mordvilko, 1914) porque su género tipo es sinónimo objetivo posterior, artículo 61.3.2, que dice:

«Si dos o más nombres genéricos que son sinónimos objetivos se han usado como base para nombres del grupo familia, los nombres del grupo familia son sinónimos objetivos».

Y cinco más (MYZOXYL_ Amyot & Audinet-Serville, 1843, NECTAROPHOR_ Oestlund, 1887, TRICHOSIPH_ Wilson, 1910, PEMPHIGELL_ Mordvilko, 1914, y AGRIOAPHID_ Börner, 1930), porque, a causa de la sinonimia del género tipo, fueron reemplazados antes de 1961 por un sinónimo que es de uso predominante, artículo 40.2 (ver más arriba).

Taxones potencialmente válidos (válidos objetivos): 120.

Taxones subjetivamente inválidos: 70.

Taxones subjetivamente válidos: 50.

Autores de al menos 5 taxones válidos objetivos: 6 (tabla F-3).

AVAILABLE NAMES / NOMBRES DISPONIBLES

ACAUDIN_ Börner, 1944

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 217.

Original spelling: Acaudinini.

Type genus: *Acaudinum* Börner, 1930.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

ADACTYN_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 161.

Original spelling: Adactynea (as “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Adactynus* Rafinesque, 1818.

Objective status: Available & potentially valid.

Subjective status: Valid — Nomen dubium, because its type genus is nomen dubium; it has been considered a synonym of HYALOPTER_ or MACROSIPH_.

AGRIOAPHID_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 165.

Original spelling: Agrioaphidini.

Type genus: *Agrioaphis* Walker, 1870.

Objective status: Available but invalid — Replaced by MYZOCALLIDINI before 1961 (Article 40.2).

AICEON_ Raychaudhuri, Pal & Ghosh (A.K.), 1980

Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 39.

Original spelling: Aiceonini.

Type genus: *Aiceona* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid, AICEONINAE.

Taxonomic position: APHIDIDAE.

ANOECI_ Tullgren, 1909

Publication reference: Arkiv für Zoologi, 5 (14): 33.

Original spelling: Anoeciina.

Type genus: *Anoecia* Koch, 1857.

Objective status: Available & potentially valid.

Subjective status: Valid, ANOECIINAE.

Taxonomic position: APHIDIDAE.

ANOMALAPHID_ Takahashi, 1931

Publication reference: Department of Agriculture, Government Research Institute of Formosa, 53: 35.

Original spelling: Anomalaphidina.

Type genus: *Anomalaphis* Baker, 1920.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CERVAPHIDINI.

ANURAPHID_ Mordvilko, 1928

Publication reference: Bulletin de la Soci t  Zoologique de France, 53: 189.

Original spelling: Anuraphidina.

Type genus: *Anuraphis* Del Guercio, 1907.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

APHID_ Latreille, 1802

Publication reference: Histoire Naturelle G n ral et Particulier des Animaux Crustac s et Insectes, 3: 263.

Original spelling: Aphidii (as Family).

Type genus: *Aphis* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: APHIDIDAE is a name placed in the Official List of Family-Group Names (International Commission on Zoological Nomenclature, Opinion 677, 1963; Bulletin of Zoological Nomenclature, 20 (5): 336–338); see Aphidae Leach and Aphiidae Baker in the list of unavailable names.

Subjective status: Valid, APHIDIDAE — Senior synonym of CRYPTOSIPH_ B rner, 1930 and XEROPHILAPHID_ Nevsky, 1928.

CALLAPHID_ B rner, 1952

Publication reference: Schriften der Th ringischen Landesarbeitsgemeinschaft f r Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Th ringischen Botanischen Gesellschaft, 3 (1): 56.

Original spelling: Callaphidinae.

Type genus: *Callaphis* Walker, 1870.

Objective status: Available but invalid — Rejected by the International Commission on Zoological Nomenclature, Opinion 1358 (1985, Bulletin of Zoological Nomenclature, 42: 341–343) for rejection of its name-bearing genus name — Used instead of PANAPHID_ Oestlund, 1923.

APLONEUR_ Gaumont, 1924

Publication reference: Annales des Épiphyties, 9: 335.

Original spelling: Aploneurini.

Type genus: *Aploneura* Passerini, 1863.

Objective status: Available & potentially valid.

Subjective status: Junior subjective synonym of FORDINI.

ASIPHONAPHID_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 244.

Original spelling: Asiphonaphidina.

Type genus: *Asiphonaphis* Wilson & Davis, 1919.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of RHOPALOSIPHINA.

ASTEGOPTERYC_ Shinji, 1941

Publication reference: Monographe of Japanese Aphididae: 214.

Original spelling: Astegopterycina.

Type genus: *Astegopteryx* Karsh, 1890.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CERATAPHIDINI.

ATHEROID_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 127.

Original spelling: Atheroidina.

Type genus: *Atheroides* Haliday, 1838.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of SIPHINI.

AULACORTH_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 141.

Original spelling: Aulacorthini.

Type genus: *Aulacorthum* Mordvilko, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

BAIZONGL_ Börner, 1944 (1914)

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 219.

Original spelling: Baizongiini.

Type genus: *Baizongia* Rondani, 1848.

Objective status: Available & potentially valid — With precedence (Article 40.2) over PEMPHIGELL_, from which it takes the date 1914.

Useful information about the objective status: Replacement name of DASI_ van der Goot, 1918.

Subjective status: Junior synonym of FORDINI.

BALTICHAITOPHOR_ Heie, 1980

Publication reference: Fauna Entomologica Scandinavica, 9: 19.

Original spelling: Baltichaitophorinae.

Type genus: *Baltichaitophorus* Heie, 1967.

Objective status: Available & potentially valid.

Subjective status: Valid, BALTICHAITOPHORINAE.

Taxonomic position: APHIDIDAE.

BOERNERIN_ Börner, 1944

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 214.

Original spelling: Boernerinae

Type genus: *Boernerina* Bramstedt, 1940.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CALAPHIDINAE.

BRACHYCAUD_ Börner, 1932

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 4. Auflage: 204.

Original spelling: Brachycaudea (as “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Brachycaudus* van der Goot, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

BRACHYCOL_ Börner, 1932

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 4. Auflage: 204.

Original spelling: Brachycolea (rank “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Brachycolus* Buckton, 1879.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

BREVICORYNELL_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische

Entomologie, 1 (2): 169.

Original spelling: *Brevicorynellina*.

Type genus: *Brevicorynella* Nevsky, 1929.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

BYRSOCRYPT_ Börner, 1944

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 218.

Original spelling: Byrsocryptini.

Type genus: *Byrsocrypta* Haliday, 1838.

Objective status: Available but invalid — Its type genus is suppressed (Article 39).

Useful information about the objective status: Replaced by TETRANEUR_ Herrich-Schaeffer, 1854.

CALAPHID_ Oestlund, 1919

Publication reference: Seventeenth Report of the State Entomologist of Minnesota - 1918: 60.

Original spelling: Calaphidini.

Type genus: *Calaphis* Walsh, 1862.

Objective status: Available & potentially valid.

Useful information about the objective status: CALAPHIDINI is a name placed in the Official List of Family-Group Names (International Commission on Zoological Nomenclature, Opinion 1358, 1985, Bulletin of Zoological Nomenclature, 42: 341–343).

Subjective status: Valid, CALAPHIDINAE — Senior synonym of BOERNERIN_ Börner, 1944, and SYMYDOBI_ Oestlund, 1923.

Taxonomic position: APHIDIDAE.

CALLIPTER_ Herrich-Schaeffer, 1857

Publication reference: Koch, Die Pflanzenläuse Aphiden, (9): VII.

Original spelling: Callipteriden (as Family) — Latinized (Article 11.7.2) as CALLIPTERINA by Mordvilko, 1909, Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 372.

Type genus: *Callipterus* Koch, 1855.

Objective status: Available but invalid — Its type genus is a junior homonym (Article 39).

Useful information about the objective status: Replaced by PANAPHID_ Oestlund, 1923.

CANADAPHID_ Richards, 1966

Publication reference: Canadian Entomologist, 98: 754.

Original spelling: Canadaphididae

Type genus: *Canadaphis* Essig, 1937.

Objective status: Available & potentially valid.

Subjective status: Valid, CANADAPHIDIDAE.

CERATAPHID_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 86.

Original spelling: Cerataphidini.

Type genus: *Cerataphis* Lichtenstein, 1882.

Objective status: Available & potentially valid.

Subjective status: Valid, CERATAPHIDINI — Senior synonym of ASTEGOPTERYC_ Shinji, 1941, and OREGM_ Baker (A.C.), 1920

Taxonomic position: HORMAPHIDINAE.

CERVAPHID_ van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 148.

Original spelling: Cervaphidini.

Type genus: *Cervaphis* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Valid, CERVAPHIDINI — Senior synonym of ANOMALAPHID_ Takahashi, 1931.

Taxonomic position: GREENIDEINAE.

CHAITOPHOR_ Mordvilko, 1909.

Publication reference: Mordvilko, 1909, Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 378.

Original spelling: Chaitophori (rank not precised, immediately subordinated to a “*Gruppa*” and this to a Subfamily).

Type genus: *Chaitophorus* Koch, 1854.

Objective status: Available & potentially valid.

Subjective status: Valid, CHAITOPHORINAE — Senior synonym of PERIPHYLL_ Hille Ris Lambers, 1947, and TRICHAITOPHOR_ Pashshenko, 1988.

Taxonomic position: APHIDIDAE.

CINAR_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 122.

Original spelling: Cinarini.

Type genus: *Cinara* Curtis, 1835.

Objective status: Available & potentially valid.

Useful information about the objective status: *CINARINI* is a name placed in the Official List of Family-Group Names (International Commission on Zoological Nomenclature, Direction 54, 1956, Bulletin of Zoological Nomenclature, 12: 441–456).

Subjective status: Junior synonym of *EULACHNINI*.

COLORADO_ Börner, 1932

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 4. Auflage: 202.

Original spelling: *Coloradoina*.

Type genus: *Coloradoa* Wilson, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *MACROSIPHINI*.

CRETAMYZ_ Heie, 1992

Publication reference: Heie & Pike, Canadian Entomologist, 124 (6): 1030.

Original spelling: *Cretamyzidae*.

Type genus: *Cretamyzus* Heie, 1992.

Objective status: Available & potentially valid.

Subjective status: Valid, *CRETAMYZIDAE*.

CRYPTOMYZ_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 133.

Original spelling: *Cryptomyzini*.

Type genus: *Cryptomyzus* Oestlund, 1923.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *MACROSIPHINI*.

CRYPTOSIPH_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 129.

Original spelling: *Cryptosiphea* (rank “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Cryptosiphum* Buckton, 1879.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *APHIDIDAE*.

CRYPTURAPHID_ Börner, 1949

Publication reference: Beiträge zur taxonomischen Zoologie, 1: 47.

Original spelling: *Crypturaphidinae*.

Type genus: *Crypturaphis* Silvestri, 1935.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *MONAPHIDINA* Baker (A.C.), 1920.

DACTYNOT_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 161.

Original spelling: Dactynotea (as “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Dactynotus* Rafinesque, 1818.

Objective status: Available & potentially valid.

Subjective status: Valid — Nomen dubium, because its type genus is nomen dubium. It has been considered a synonym of *MACROSIPHINI*.

DASI_ van der Goot, 1918

Publication reference: Das (B.), Memoirs of the Indian Museum, 6: 156.

Original spelling: Dasiina.

Type genus: *Dasia* van der Goot, 1918.

Objective status: Available but invalid — Its type genus is a junior homonym [of *Dasia* Gray, 1839 (Reptiles)] (Article 39).

Useful information about the objective status: Replaced by *BAIZONGI_ Börner, 1944* (1914).

DREPANOCHAITOPHOR_ Zhang (G.-x.) & Hong, 1999

Publication reference: Entomologia Sinica, 6 (2): 127.

Original spelling: Drepanochaitophoridae.

Type genus: *Drepanochaitophorus* Zhang (G.-x.) & Hong, 1999.

Objective status: Available & potentially valid.

Subjective status: Valid, *DREPANOCHAITOPHORIDAE*.

DREPANOSIPH_ Herrich-Schaeffer, 1857

Publication reference: Koch, Die Pflanzenläuse Aphiden, ed. 2: VII

Original spelling: Drepanosiphiden (as Family) — Latinized (Article 11.7.2) as *DREPANOSIPHINA* by van der Goot, 1913, Tijdschrift voor Entomologie, 59: 137.

Type genus: *Drepanosiphum* Koch, 1855.

Objective status: Available & potentially valid.

Subjective status: Valid, *DREPANOSIPHINAE*.

Taxonomic position: *APHIDIDAE*.

EICHINAPHID_ Narzikulov, 1963

Publication reference: Trudy Pamirskoy Biologiskoy Stancii Akademia Nauk Tadshikskoy SSR, 1: 260.

Original spelling: Eichinaphidina.

Type genus: *Eichinaphis* Narzikulov, 1963.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

EOTRAM_ Czynok, 1990

Publication reference: Prace Naukowe Uniwersytetu Śląskiego w Katowicach, 1130: 52.

Original spelling: Eotramina.

Type genus: *Eotrama* Hille Ris Lambers, 1969.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of TRAMINI.

ERIOSOMAT_ Kirkaldy, 1905 (1843)

Publication reference: Canadian Entomologist, 37: 418.

Original spelling: Eriosomatinae.

Type genus: *Eriosoma* Leach, 1818.

Objective status: Available & potentially valid — With precedence (Article 40.2) over MYZOXIL_ Amyot & Audinet-Serville, 1843, from which it takes the date 1843.

Subjective status: Valid, ERIOSOMATINAE — Senior synonym of GEORGIAPHID_ Maxson & Hottes, 1926, SCHIZONEUR_ Herrich-Schaeffer, 1854 and TETRANEUR_ Herrich-Schaeffer, 1854.

Taxonomic position: APHIDIDAE.

EUCALLOPTER_ Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 33.

Original spelling: Eucalopterina.

Type genus: *Eucalapterus* Schouteden, 1906.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PANAPHIDINA.

EULACHN_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 13.

Original spelling: Eulachnini.

Type genus: *Eulachnus* Del Guercio, 1909.

Objective status: Available & potentially valid.

Subjective status: Valid, EULACHNINI — Senior synonym of CINAR_ Börner, 1930, PROTOLACHN_ Börner, 1952, and SCHIZOLACHN_ Börner, 1952.

Taxonomic position: LACHNINAE.

FORD_ Acloque, 1897

Publication reference: Faune de France, 2: 7.

Original spelling: Fordii (without rank, immediately subordinated to a family).

Type genus: *Forda* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Valid, FORDINI — Senior synonym of APLONEUR_ Gaumont, 1924, BAIZONGI_ Börner, 1944 (1914), GEOIC_ Mordvilko, 1921, MELAPHID_ Baker, 1920, PARACLET_ Mordvilko, 1914, PENTAPH_ Del Guercio, 1900 and RECTINAS_ Mordvilko, 1916.

Taxonomic position: ERIOSOMATINAE.

FULLAWAY_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 23.

Original spelling: Fullawayina.

Type genus: *Fullawaya* Essig, 1912.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PTEROCOMMATINAE.

GEOIC_ Mordvilko, 1921

Publication reference: Izvestiya Severnoy Oblastnoy Stancii Zashcity Rasteniy ot Vrediteley, 3 (3): 67.

Original spelling: Geoicini.

Type genus: *Geoica* Hart, 1894.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of FORDINI.

GEORGIAPHID_ Maxson & Hottes, 1926

Publication reference: Entomological News, 37: 267.

Original spelling: Georgiaphidini.

Type genus: *Georgiaphis* Maxson & Hottes, 1926.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for GEORGI_ Maxson & Hottes, 1926.

Subjective status: Junior synonym of ERIOSOMATINAE.

GEORGI_ Maxson & Hottes, 1926

Publication reference: Entomological News, 37: 129.

Original spelling: Georgiini.

Type genus: *Georgia* Wilson, 1911.

Objective status: Available but invalid — Its type genus is a junior homonym [of *Georgia* Baird & Girard, 1855 (Reptiles); of *Georgia* Thomson, 1857 (Coleoptera); and of *Georgia* Bourguignat, 1882 (Mollusca)] (Article 39).

Useful information about the objective status: Replaced by GEORGIAPHID_ Maxson & Hottes, 1926.

GONDVANOAPHID_ Wegierek & Grimaldi, 2010

Publication reference: *Acta Geologica Sinica* (English edition), 84 (4): 666.

Original spelling: Gondvanoaphidinae.

Type genus: *Gondvanoaphis* Wegierek & Grimaldi, 2010.

Objective status: Available & potentially valid

Subjective status: Valid, GONDVANOAPHIDINI.

Taxonomic position: THELAXINAE.

GREENIDE_ Baker (A.C.), 1920 (1910)

Publication reference: *Bulletin of the United States Department of Agriculture*, 826: 37.

Original spelling: Greenideini.

Type genus: *Greenidea* Schouteden, 1905.

Objective status: Available & potentially valid — With precedence (Article 40.2) over TRICHOSIPH_, from which it takes the date: 1910.

Subjective status: Valid, GREENIDEINAE.

Taxonomic position: APHIDIDAE.

HORMAPHID_ Mordvilko, 1909

Publication reference: *Ezhegodink Zoologicheskago Muzeya Imperatorskoy Akademi Nauk*, 13 (4) [1908]: 364.

Original spelling: Hormaphidina.

Type genus: *Hormaphis* Osten-Sacken, 1861.

Objective status: Available & potentially valid.

Subjective status: Valid, HORMAPHIDINAE.

Taxonomic position: APHIDIDAE.

HYALOPTER_ Oestlund, 1923

Publication reference: *Nineteenth Report of the State Entomologist of Minnesota - 1922*: 124.

Original spelling: Hyalopterini.

Type genus: *Hyalopterus* Koch, 1854.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of RHOPALOSIPHINI.

ISRAELAPHID_ Ilharco, 1961

Publication reference: *Agronomia Lusitanica*, 21 (3) [1959]: 204.

Original spelling: Israelaphidinae.

Type genus: *Israelaphis* Essig, 1953.

Objective status: Available & potentially valid.

Subjective status: Valid, ISRAELAPHIDINAE.

Taxonomic position: APHIDIDAE.

IZIPHY_ Quednau, 1953

Publication reference: Zoologischer Anzeiger, 150 (9-10): 226.

Original spelling: Iziphyini.

Type genus: *Iziphya* Nevsky, 1929.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of SALTUSAPHIDINAE.

LACHN_ Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VII.

Original spelling: Lachniden (as Family) — Latinized (Article 11.7.2) as LACHNINAE by Passerini, 1863: *Archivo per la Zoologia Anatomia e la Fisiologia*, 2 [1862]: 130.

Type genus: *Lachnus* Burmeister, 1835.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior synonym of PTEROCLOR_ Mordvilko, 1914. LACHNINAE is a name placed in the Official List of Family-Group Names (International Commission on Zoological Nomenclature, Direction 54, 1956, Bulletin of Zoological Nomenclature, 12: 441–456).

Subjective status: Valid, LACHNINAE — Senior synonym of NIPPOLACHN_ Takahashi, 1921, STOMAPHID_ Mordvilko, 1914, and TUBEROLACHN_ Oestlund, 1942.

Taxonomic position: APHIDIDAE.

LIOSOMAPHID_ Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 131.

Original spelling: Liosomaphidea (as “Gruppe”, immediately subordinated to a Subtribe).

Type genus: *Liosomaphis* Walker, 1868.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

LIZERI_ Blanchard (E.E.), 1923

Publication reference: Physis, 7: 120.

Original spelling: Lizeriini — misprinted Lizerini (Article 35.4.1).

Type genus: *Lizerius* Blanchard (E.E.), 1923.

Objective status: Available & potentially valid.

Subjective status: Valid, LIZERIINAE — Senior synonym of PAOLIELL_ Takahashi, 1930, and UNIPTER_ Stroyan, 1952.

Taxonomic position: APHIDIDAE.

MACROPODAPHID_ Zachvatkin & Aizenberg, 1960

Publication reference: *Biologiceskie Nauki*, 4: 40.

Original spelling: Macropodaphidinae.

Type genus: *Macropodaphis* Remaudière & Davatchi, 1958.

Objective status: Available & potentially valid.

Subjective status: Valid, MACROPODAPHIDINAE.

Taxonomic position: APHIDIDAE.

MACROSIPHINI Wilson, 1910 (1887)

Publication reference: *Annals of the Entomological Society of America*, 3: 317.

Original spelling: Macrosiphini.

Type genus: *Macrosiphum* Passerini, 1860.

Objective status: Available & potentially valid — With precedence (Article 40.2) over NECTAROPHOR_, from which it takes the date 1887.

Useful information about the objective status: Replacement name for SIPHONOPHOR_ Thomas, 1879.

Subjective status: Valid, MACROSIPHINI; Senior synonym of ACAUDIN_Börner, 1944, ANURAPHID_Mordvilko, 1928, AULACORTH_Börner, 1952, BRACHYCAUD_Börner, 1932, BRACHYCOL_Börner, 1932, BREVICORYNELL_Börner, 1930, COLORADO_Börner, 1932, CRYPTOMYZ_Börner, 1952, EICHINAPHID_Narzikulov, 1963, LIOSOMAPHID_Börner, 1930, MEGOUR_Börner, 1944, METOPEUR_Börner, 1952, METOPOLOPHI_Börner, 1952, MICROLOPHI_Börner, 1952, MICROSIPH_Oestlund, 1923, MYZAPHID_Börner, 1952, MYZ_Mordvilko, 1914, NASONOV_Börner, 1952, NEANURAPHID_Narzikulov, 1970, PENTALON_Baker, 1920, PHORODONT_Börner, 1944, SITOBION_Börner, 1952, VESICULAPHID_Takahashi, 1921, and WAHLGRENIELL_Börner, 1952.

Taxonomic position: APHIDINAE.

MEGOUR_Börner, 1944

Publication reference: Brohmer [Ed.], *Fauna von Deutschland*, 5. Auflage: 217.

Original spelling: Megourini.

Type genus: *Megoura* Buckton, 1876.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MELAPHID_ Baker (A.C.), 1920

Publication reference: *Bulletin of the United States Department of Agriculture*, 826: 73.

Original spelling: Melaphidini — misprinted Melaphini (Article 35.4.1).

Type genus: *Melaphis* Walsh, 1867.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of FORDINI.

METOPEUR_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 174.

Original spelling: *Metopeurina*.

Type genus: *Metopeurum* Mordvilko, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

METOPLOPHI_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 153.

Original spelling: *Metopolophiina*.

Type genus: *Metopolophium* Mordvilko, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MICROLOPHI_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 141.

Original spelling: *Microlophiina*.

Type genus: *Microlophium* Mordvilko, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MICROSIPH_ Oestlund, 1923

Publication reference: Nineteenth Report of the State Entomologist of Minnesota - 1922: 139.

Original spelling: *Microsiphini*.

Type genus: *Microsiphum* Cholodkovsky, 1902.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MINDAR_ Tullgren, 1909

Publication reference: Arkiv für Zoologi, 5 (14): 32.

Original spelling: *Mindarina*.

Type genus: *Mindarus* Koch, 1857.

Objective status: Available & potentially valid.

Subjective status: Valid, MINDARINAE.

Taxonomic position: APHIDIDAE.

MONAPHID_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 23.

Original spelling: Monaphidina.

Type genus: *Monaphis* Walker, 1870.

Objective status: Available & potentially valid.

Subjective status: Valid, MONAPHIDINA; Senior synonym of CRYPTURAPHID_ Börner, 1949.

Taxonomic position: CALAPHIDINI.

MYZAPHID_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 118.

Original spelling: Myzaphidini.

Type genus: *Myzaphis* van der Goot, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MYZ_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 67.

Original spelling: Myzini.

Type genus: *Myzus* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

MYZOCALLID_ Börner, 1942 (1930)

Publication reference: Veröffentlichungen aus dem Deutschen Kolonial- und Übersee-Museum in Bremen, 3 (3): 259.

Original spelling: Myzocallidini.

Type genus: *Myzocallis* Passerini, 1860.

Objective status: Available & potentially valid — With precedence (Article 40.2) over AGRIOPHID_, from which it takes the date 1930.

Subjective status: Valid, MYZOCALLIDINA.

Taxonomic position: PANAPHIDINI.

MYZOXYL_ Amyot & Audinet-Serville, 1843

Publication reference: Histoire Naturelle des Insectes, Hémiptères. Deuxième Section. Sternorhynques. Sternorhynchi: LXVI.

Original spelling: Myzoxylidés (as Family) — Latinized (Article 11.7.2) as MYZOXYLINAÉ by Horváth, 1896, Wiener Entomologische Zeitung, 15 (1): 2.

Type genus: *Myzoxylus* Blot, 1831.

Objective status: Available but invalid — Replaced by ERIOSOMAT_ before 1961 (Article 40.2).

NASONOVI_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 135.

Original spelling: Nasonoviini.

Type genus: *Nasonovia* Mordvilko, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

NEANURAPHID_ Narzikulov, 1970

Publication reference: Doklady Akademii Nauk Tadzhikskoy R.S.S., 13 (4): 69.

Original spelling: Neanuraphidina.

Type genus: *Neanuraphis* Nevsky, 1928.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

NECTAROPHOR_ Oestlund, 1887

Publication reference: Bulletin of the Geological and Natural History Survey of Minnesota, 4: 71.

Original spelling: Nectarophorini.

Type genus: *Nectarophora* Oestlund, 1887.

Objective status: Available but invalid — Replaced by MACROSIPH_ before 1961 (Article 40.2).

NEOPHYLLAPHID_ Takahashi, 1921

Publication reference: Agricultural Experimental Station Government of Formosa Report, 20: 76.

Original spelling: Neophyllaphidini.

Type genus: *Neophyllaphis* Takahashi, 1920.

Objective status: Available & potentially valid.

Subjective status: Valid, NEOPHYLLAPHIDINAE.

Taxonomic position: APHIDIDAE.

NEUQUENAPHID_ Hille Ris Lambers, 1968

Publication reference: Tijdschrift voor Entomologie, 111 (7): 261.

Original spelling: Neuquenaphidini.

Type genus: *Neuquenaphis* Blanchard (E.E.), 1939.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of SPICAPHIDINAE.

NIPPOLACHN_ Takahashi, 1921

Publication reference: Agricultural Experimental Station Government of Formosa Report, 20: 80.

Original spelling: Nippolachnini.

Type genus: *Nippolachnus* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of LACHNINAE.

NIPPONAPHID_ Ghosh (A.K.), 1988

Publication reference: Fauna of India and Adjacent Countries, 4: 127.

Original spelling: Nipponaphidini.

Type genus: *Nipponaphis* Pergande, 1906.

Objective status: Available & potentially valid.

Subjective status: Valid, NIPPONAPHIDINI.

Taxonomic position: HORMAPHIDINAE.

OREGM_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 84.

Original spelling: Oregmini.

Type genus: *Oregma* Buckton, 1893.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CERATAPHIDINI.

OVIPAROSIPH_ Shaposhnikov, 1979

Publication reference: Paleontologicheskii Zhurnal, 1979 (4): 75.

Original spelling: Oviparosiphidae.

Type genus: *Oviparosiphum* Shaposhnikov, 1979.

Objective status: Available & potentially valid.

Subjective status: Valid, OVIPAROSIPHIDAE.

PACHYPAPP_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 190.

Original spelling: Pachypappini.

Type genus: *Pachypappa* Koch, 1856.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PEMPHIGINI.

PADUCI_ Szelegiewicz, 1965

Publication reference: *Annales Zoologici*, 23: 291.

Original spelling: *Paduciina*.

Type genus: *Paducia* Hottes & Frison, 1931.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PTEROCOMMATINAE.

PALAEOSIPHON_ Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 119.

Original spelling: *Palaeosiphonini*.

Type genus: *Palaeosiphon* Heie, 1967.

Objective status: Available & potentially valid.

Subjective status: Valid, PALAEOSIPHONINI

Taxonomic position: PHYLLAPHIDINAE.

PANAPHID_ Oestlund, 1923

Publication reference: Nineteenth Report of the State Entomologist of Minnesota - 1922: 135.

Original spelling: *Panaphidini*.

Type genus: *Panaphis* Kirkaldy, 1904.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for CALLIPTER_ Herrich-Schaeffer, 1857.

Subjective status: Valid, PANAPHIDINI; Senior synonym of EUCALLIPTER_ Quednau, 1954, PTEROCALL_ Quednau, 1954, and THERIOAPHID_ Börner, 1944.

Taxonomic position: CALAPHIDINAE.

PAOLIELL_ Takahashi, 1930

Publication reference: *Proceedings of the Entomological Society of Washington*, 32: 7.

Original spelling: *Paoliellina*.

Type genus: *Paoliella* Theobald, 1928.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of LIZERIINAE.

PARACHAITOPHOR_ Quednau & Remaudière, 1994

Publication reference: *Bulletin de la Société Entomologique de France*, 99 (4): 367.

Original spelling: *Parachaitophorinae*.

Type genus: *Parachaitophorus* Takahashi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PARACHAITOPHORINAE.

Taxonomic position: APHIDIDAE.

PARACLET_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 23.

Original spelling: Paracletina.

Type genus: *Paracletus* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of FORDINI.

PARVAVERRUCOS_ Poinar & Brown, 2006

Publication reference: Proceedings of the Entomological Society of Washington, 108 (3): 734.

Original spelling: Parvaverrucosidae.

Type genus: *Parvaverrucosa* Poinar & Brown, 2006.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for VERRUCOS_ Poinar & Brown, 2005.

PEMPHIGELL_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 17.

Original spelling: Pemphigellina.

Type genus: *Pemphigella* Tullgren, 1909.

Objective status: Available but invalid — Replaced by BAIZONGIINI before 1961 (Article 40.2).

PEMPHIG_ Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VIII.

Original spelling: Pemphiden (as Family) — Latinized (Article 11.7.2) as PEMPHIGINAE by Passerini, 1863, Archivo per la Zoologia, l'Anatomia e la Fisiologia di Modena, 2 (2) [1862]: 2.

Type genus: *Pemphigus* Hartig, 1839.

Objective status: Available & potentially valid.

Useful information about objective status: Replacement name for RHIZOBI_ Passerini, 1863. PEMPHIGINI is a name placed in the Official List of Family-Group Names (International Commission on Zoological Nomenclature, Opinion 1019, 1974, Bulletin of Zoological Nomenclature, 31: 117–120).

Subjective status: Valid, PEMPHIGINI; Senior synonym of PACHYPAPP_ Börner, 1952, and PROCIPHIL_ Herrich-Schaeffer, 1854.

Taxonomic position: ERIOSOMATINAE.

PENTALON_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 59.

Original spelling: Pentalonina.

Type genus: *Pentalonia* Coquerel, 1859.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

PENTAPH_ Del Guercio, 1900

Publication reference: Nuove Relazioni intorno ai lavori della Regia Stazione di Entomologia Agraria di Firenze, (ser. 1), 2: 84.

Original spelling: Pentaphides (as Tribe).

Type genus: *Pentaphis* Horváth, 1896.

Objective status: Available & potentially valid.

Subjective status: Junior subjective synonym of FORDINI.

PERIPHYLL_ Hille Ris Lambers, 1947

Publication reference: Tijdschrift voor Entomologie, 88 [1945]: 225.

Original spelling: Periphyllina.

Type genus: *Periphyllus* van der Hoeven, 1863.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CHAITOPHORINAE.

PHLOEOMYZ_ Mordvilko, 1934

Publication reference: Archiv Naturgeschichte (N.F.), 3 (1): 42.

Original spelling: Phloeomyzea (as Tribe).

Type genus: *Phloeomyzus* Horváth, 1896.

Objective status: Available & potentially valid.

Subjective status: Valid, PHLOEOMYZINAE.

Taxonomic position: APHIDIDAE.

PHORODONT_ Börner, 1944

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 217.

Original spelling: Phorodontini.

Type genus: *Phorodon* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

PHYLLAPHID_ Herrich-Schaeffer, 1857

Publication reference: Koch, Die Pflanzenläuse Aphiden, ed. 2: VII.

Original spelling: Phyllaphidinem (as Family) — Latinized (Article 11.7.2) as PHYLLAPHIDINA by Baker (A.C.), 1920, Bulletin of the United States Department

of Agriculture, 826: 23.

Type genus: *Phyllaphis* Koch, 1856.

Objective status: Available & potentially valid.

Subjective status: Valid, PHYLLAPHIDINAE.

Taxonomic position: APHIDIDAE.

PROCIPHIL_ Herrich-Schaeffer, 1857

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VIII.

Original spelling: Prociphiliden (as Family) — Latinized (Article 11.7.2) as PROCIPHILLINA by Baker (A.C.), 1920, Bulletin of the United States Department of Agriculture, 826: 65.

Type genus: *Prociphilus* Koch, 1857.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PEMPHIGINI.

PROTOLACHN_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 39.

Original spelling: Protolachnini.

Type genus: *Protolachnus* Theobald, 1915.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of EULACHNINI.

PROTRAM_ Eastop, 1953

Publication reference: Transactions of the Royal Entomological Society of London, 104: 389.

Original spelling: Protramina.

Type genus: *Protrama* Baker, 1920.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of TRAMINI.

PTERASTHENI_ Remaudière & Quednau, 1988

Publication reference: Annales de la Société Entomologique de France (N.S.), 24 (1): 54.

Original spelling: Pterastheniinae.

Type genus: *Pterasthenia* Stroyan, 1952.

Objective status: Available & potentially valid.

Subjective status: Valid, PTERASTHENINAE.

Taxonomic position: APHIDIDAE.

PTEROCALL_ Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 33.

Original spelling: Pterocallidea (as rank subordinate to Subtribe).

Type genus: *Pterocallis* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PANAPHIDINA.

PTEROCOLOR_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 23.

Original spelling: Pteroclorini — Misprinted Pterochlorini.

Type genus: *Pterochlorus* Passerini, 1860.

Objective status: Available but invalid — Junior synonym of LACHN_ Herrich-Schaeffer, 1854 (Pteroclorus and Lachnus are objective synonyms) [Article 61.3.2].

PTEROCOMMAT_ Wilson, 1910

Publication reference: Canadian Entomologist, 42: 384.

Original spelling: Pterocommatini.

Type genus: *Pterocomma* Buckton, 1879.

Objective status: Available & potentially valid.

Subjective status: Valid, PTEROCOMMATINAE; Senior synonym of FULLAWAY_ Baker (A.C.), 1920, and PADUCI_ Szelegiewicz, 1965.

Taxonomic position: APHIDIDAE.

RECTINAS_ Mordvilko, 1916

Publication reference: Russkoe Entomologicheskoe Obozrenie, 15 (4) [1915]: LXXVIII.

Original spelling: Rectinasina.

Type genus: *Rectinasus* Theobald, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of FORDINI.

RHIZOBI_ Passerini, 1863

Publication reference: Archivio per la Zoologia, l'Anatomia e la Fisiologia di Modena, 2 (2) [1862]: 202.

Original spelling: Rhizobiinae.

Type genus: *Rhizobius* Burmeister, 1835.

Objective status: Available but invalid (Article 39), its type genus is suppressed.

Junior synonym of PEMPHINGINAE.

Useful information about objective status: Replaced by PEMPHING_ Herrich-

Schaeffer, 1854.

RHOPALOSIPH_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 70.

Original spelling: Rhopalosiphini.

Type genus: *Rhopalosiphum* Koch, 1854.

Objective status: Available & potentially valid.

Subjective status: Valid, RHOPALOSIPHINA; Senior synonym of HYALOPTER_ Oestlund, 1923.

Taxonomic position: APHDINI.

SALTUSAPHID_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 23.

Original spelling: Saltusaphidina.

Type genus: *Saltusaphis* Theobald, 1915.

Objective status: Available & potentially valid.

Subjective status: Valid, SALTUSAPHIDINAE; Senior synonym of IZIPHY_ Quednau, 1953.

Taxonomic position: APHIDIDAE.

SCHIZOLACHN_ Börner, 1949

Publication reference: Beiträge zur Taxonomischen Zoologie, 1: 56.

Original spelling: Schizolachnini.

Type genus: *Schizolachnus* Mordvilko, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Name first published after 1930 and before 1961 without description but used as valid before 2000, and also was not rejected by an author who, after 1960 and before 2000, expressly applied Article 13. (Article 13.2.1).

Subjective status: Junior synonym of EULACHNINI.

SCHIZONEUR_ Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VIII.

Original spelling: Schizoneuriden (as Family) — Latinized (Article 11.7.2) as SCHIZONEURINAE by Buckton, 1883: Monograph of the British Aphides, 4 [1882]: 4.

Type genus: *Schizoneura* Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of ERIOSOMATINAE.

SCHOUTEDENI_ Hille Ris Lambers, 1961

Publication reference: Ilharco, *Agronomia Lusitanica*, 21 (3) [1959]: 203.

Original spelling: Schoutedeniini.

Type genus: *Schoutedenia* Rübсаamen, 1905.

Objective status: Available and potentially valid.

Useful information about the objective status: Replacement name for SETAPHID_ van der Goot, 1917. Senior synonym and senior homonym of SCHOUTEDENI_ Remadière & Quednau, 1988.

Subjective status: Valid, SCHOUTEDENIINI.

Taxonomic position: GREENIDEINAE.

SCHOUTEDENI_ Remaudière & Quednau, 1988

Publication reference: Remaudière, *Bulletin de la Société Entomologique de France*, 93 (3-4): 65.

Original spelling: Schoutedeniini.

Type genus: *Schoutedenia* Rübсаamen, 1905.

Objective status: Available but invalid — Junior synonym and junior homonym of SCHOUTEDENI_ Hille Ris Lambers.

SETAPHID_ van der Goot, 1917

Publication reference: *Contributions à la Faune des Indes Néerlandaises*, 1 (3): 153.

Original spelling: Setaphidina.

Type genus: *Setaphis* van der Goot, 1917.

Objective status: Available but invalid — Its genus type genus is a junior homonym (Article 39); Replaced by SCHOUTEDENI_ Hille Ris Lambers.

SINAPHID_ Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: *Shandong Geology*, 5 (1): 33.

Original spelling: Sinaphididae.

Type genus: *Sinaphidum* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989.

Objective status: Available & potentially valid.

Subjective status: Valid, SINAPHIDIDAE.

SIPH_ Mordvilko, 1928

Publication reference: Filip'ev [Ed.], *Opredelitel' Nasenkomyh*: 180.

Original spelling: Siphina.

Type genus: *Sipha* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Valid, SIPHINI; Senior synonym of ATHEROID_ Börner, 1930.

Taxonomic position: CHAITOPHORINAE.

SIPHONOPHOR_ Thomas, 1879

Publication reference: Eighth Report of the State Entomologist on the Noxious and Beneficial Insects of the State of Illinois: 39.

Original spelling: Siphonophorini.

Type genus: *Siphonophora* Koch, 1855.

Objective status: Available but invalid — Its type genus is a junior homonym (Article 39). Junior homonym of SIPHONOPHORIDAE Newport, 1844 (type genus: *Siphonophora* Brandt).

Useful information about the objective status: Replaced by MACROSIPH_ Wilson, 1910 (1887).

SITOBION_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 163.

Original spelling: Sitobionina — Misprinted Sitobiina (Article 35.4.1).

Type genus: *Sitobion* Mordvilko, 1914 — Misprinted *Sitobium*.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of MACROSIPHINI.

SPICAPHID_ Essig, 1953

Publication reference: Proceedings of the California Academia of Sciences, (Ser. IV), 28: 69.

Original spelling: Spicaphidina.

Type genus: *Spicaphis* Essig, 1953.

Objective status: Available & potentially valid.

Subjective status: Valid, SPICAPHIDINAE; Senior synonym of NEUQUENAPHID_ Hille Ris Lambers, 1968.

Taxonomic position: APHIDIDAE.

STOMAPHID_ Mordvilko, 1914

Publication reference: Fauna Rossii i Sopredel'nyh Stran Nasekomye Poluzestkokrylye, 1 (1): 24.

Original spelling: Stomaphidini.

Type genus: *Stomaphis* Walker, 1870.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of LACHNINAE.

SYMDOB_ Oestlund, 1923

Publication reference: Nineteenth Report of the State Entomologist of Minnesota - 1922: 134.

Original spelling: Symydobii (as Subtribe).

Type genus: *Symydobius* Mordvilko, 1894.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CALAPHIDINAE.

TAIWANAPHID_ Quednau & Remaudière, 1994

Publication reference: Bulletin de la Societé Entomologique de France, 99 (4): 367.

Original spelling: Taiwanaphidinae.

Type genus: *Taiwanaphis* Takahashi, 1934.

Objective status: Available & potentially valid.

Subjective status: Valid, TAIWANAPHIDINAE.

Taxonomic position: APHIDIDAE.

TAMALI_ Oestlund, 1923

Publication reference: Nineteenth Report of the State Entomologist of Minnesota - 1922: 146.

Original spelling: Tamaliini.

Type genus: *Tamalia* Baker, 1920.

Objective status: Available & potentially valid.

Subjective status: Valid, TAMALIINAE.

Taxonomic position: APHIDIDAE.

TETRANEUR_ Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VIII.

Original spelling: Tetraneuriden (as Family) — Latinized (Article 11.7.2) as TETRANEURINA by Baker (A.C.), 1920, Bulletin of the United States Department of Agriculture, 826: 65.

Type genus: *Tetraneura* Hartig, 1841.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for BYRSOCRYPT_ Börner, 1944.

Subjective status: Junior synonym of ERIOSOMATINAE.

THELAX_ Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 20.

Original spelling: Thelaxini.

Type genus: *Thelaxes* Westwood, 1840.

Objective status: Available & potentially valid.

Subjective status: Valid, THELAXINAE.

Taxonomic position: APHIDIDAE.

THERIOAPHID_ Börner, 1944

Publication reference: Brohmer [Ed.], Fauna von Deutschland, 5. Auflage: 214.

Original spelling: Therioaphidinae.

Type genus: *Therioaphis* Walker, 1870.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of PANAPHIDINA.

TRIFIDAPH_ Maxon, 1923

Publication reference: Patch in Britton [Ed.], Bulletin of the Connecticut State Geological and Natural History Survey, 34: 318.

Original spelling: Trifidaphidini — misprinted Trifidini (Article 35.4.1).

Type genus: *Trifidaphis* Del Guercio, 1909.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of FORDINI.

THRIPSAPHID_ Börner, 1949

Publication reference: Beiträge zur taxonomischen Zoologie, 1: 52.

Original spelling: Thripsaphidini.

Type genus: *Thripsaphis* Gillette, 1917.

Objective status: Available & potentially valid.

Subjective status: Valid, THRIPSAPHIDINI; Senior synonym of TRICHOCALLID_ Quednau, 1954.

Taxonomic position: SALTUSAPHIDINAE.

TRAM_ Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VIII.

Original spelling: Tramini — Latinized (Article 11.7.2) as TRAMINI by Mordvilko, 1909: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 373.

Type genus: *Trama* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Valid, TRAMINI; Senior synonym of EOTRAM_ Czylok, 1990, and PROTRAM_ Eastop, 1953.

Taxonomic position: LACHNINAE.

TRICHAITOPHOR_ Pashchenko, 1988

Publication reference: Lehr [Ed.], Opredelitel' Nasekomykh Dal'nego Vostoka SSSR, 2: 615.

Original spelling: Trichaitophorinae.

Type genus: *Trichaitophorus* Takahashi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of CHAITOPHORINAE.

TRICHOCALLID_ Quednau, 1954

Publication reference: *Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft*, 78: 39.

Original spelling: Trichocallidina.

Type genus: *Trichocallis* Börner, 1930.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of THRIPSAPHIDINI.

TRICHOSIPH_ Wilson, 1910

Publication reference: *Annals of the Entomological Society of America*, 3: 316.

Original spelling: Trichosiphini.

Type genus: *Trichosiphum* Pergande, 1906.

Objective status: Available but invalid — Replaced by GREENIDE_ before 1961 (Article 40.2).

TUBEROLACHN_ Mordvilko, 1942

Publication reference: *Oestlund, Systema Aphididae*, 1: 10.

Original spelling: Tuberolachnea (as Subtribe).

Type genus: *Tuberolachnus* Mordvilko, 1909.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of LACHNINAE.

TYCHE_ Passerini, 1863

Publication reference: *Archivo per la Zoologia, l' Anatomia e la Fisiologia di Modena*, 2 (2) [1862]: 204.

Original spelling: Tycheinae.

Type genus: *Tychea* Koch, 1857.

Objective status: Available & potentially valid.

Subjective status: Valid — Nomen dubium, because its type genus is nomen dubium: an aphid forinae or a coccid.

UNIPTER_ Stroyan, 1952

Publication reference: *Proceedings of the Royal Entomological Society of London*, (B), 21: 153.

Original spelling: Unipterina.

Type genus: *Unipterus* Hall, 1932.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of LIZERIINAE.

VERRUCOS_ Poinar & Brown, 2005

Publication reference: *Proceedings of the Entomological Society of Washington*, 107 (4): 836.

Original spelling: Verrucosidae.

Type genus: *Verrucosa* Poinar & Brown, 2005.

Objective status: Available but invalid — Its genus type is junior homonym (Article 39).

Useful information about the objective status: Replaced by *PARAVERRUCOS*_ Poinar & Brown, 2006.

VESICULAPHID_ Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 30.

Original spelling: Vesiculaphidini.

Type genus: *Vesiculaphis* Del Guercio, 1911.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *MACROSIPHINI*.

WAHLGRENIELL_ Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 177.

Original spelling: Wahlgreniellina.

Type genus: *Wahlgreniella* Hille Ris Lambers, 1949.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *MACROSIPHINI*.

XEROPHILAPHID_ Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Serie VIII-a, Zoologiya), 3: 3.

Original spelling: Xerophilaphidini.

Type genus: *Xerophilaphis* Nevsky, 1928.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *APHIDIDAE*.

UNAVAILABLE NAMES / NOMBRES INDISPONIBLES

AICEONINI Eastop & van Emden, 1972

Publication reference: van Emden, *Aphid Technology*: 13.

Name-bearing genus name: *Aiceona* Takahashi, 1921.

Cause of unavailability: Without description (Article 13.2.1) — See the available name AICEON_ Raychaudhuri, Pal & Ghosh (A.K.), 1980.

APHIDAE Leach, 1815

Publication reference: Brewster, *Edinburgh Encyclopedia*, 9: 126.

Name-bearing genus name: *Aphis* Linnaeus, 1758

Cause of unavailability: Incorrect subsequent spelling for APHIDIDAE Latreille, 1802 [International Commission on Zoological Nomenclature Opinion 677, 1963, *Bulletin of Zoological Nomenclature*, 20: 336–338] (Article 33.3).

APHIDAE Baker (A.C.), 1921

Publication reference: *Proceedings of the Entomological Society of Washington*, 23: 101.

Name-bearing genus name: *Aphis* Linnaeus, 1758

Cause of unavailability: Incorrect subsequent spelling for APHIDIDAE Latreille, 1802 [International Commission on Zoological Nomenclature Opinion 677, 1963, *Bulletin of Zoological Nomenclature*, 20: 336–338] (Article 33.3).

APHIDINA Burmeister, 1835

Publication reference: *Handbuch der Entomologie*, 2 (1): 85.

Name-bearing genus name: *Aphis* Linnaeus, 1758

Cause of unavailability: Incorrect subsequent spelling for APHIDIDAE Latreille, 1802 [International Commission on Zoological Nomenclature Opinion 677, 1963, *Bulletin of Zoological Nomenclature*, 20: 336–338] (Article 33.3).

CALLIPTERIDEN Herrich-Schaeffer, 1854

Publication reference: Koch, *Die Pflanzenläuse Aphiden*, (1): VII.

Name-bearing genus name: *Callipterus* [unpublished!, if was established in 1855].

Cause of unavailability: Unpublished name-bearing genus (Article 11.7.1.1) — See the available name CALLIPTER_ Herrich-Schaeffer, 1857.

CRYPTOSIPHONEA Börner, 1932

Publication reference: Brohmer [Ed.]. *Fauna von Deutschland*, 4. Auflage: 204.

Name-bearing genus name: *Cryptosiphon* [unpublished!, if was established in 1952].

Name-bearing genus name: *Cryptosiphon* [unpublished!, if was established in 1952].

Cause of unavailability: Unpublished name-bearing genus (Article 11.7.1.1) — See the unavailable name CRYPTOSIPHONINI Börner, 1952.

CRYPTOSIPHONINI Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 95.

Name-bearing genus name: *Cryptosiphon* Böner, 1952.

Cause of unavailability: Incorrect original spelling formed from the unjustified emendation of *Cryptosiphum* Buckton, 1879 (Articles 32.4 & 32.5.3.2) — See the available name CRYPTOSIPH_ Börner, 1930.

DREPANOSIPHIDEN Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VII.

Name-bearing genus name: *Drepanosiphum* [unpublished!, it was established in 1855].

Cause of unavailability: Unpublished name-bearing genus (Article 11.7.1.1) — See the available name DREPANOSIPH_ Herrich-Schaeffer, 1857.

DREPANOSIPHONINAE Börner, 1944

Publication reference: Brohmer [Ed.]. Fauna von Deutschland, 5. Auflage: 214.

Name-bearing genus name: *Cryptosiphon* [unpublished!, if was established in 1952].

Cause of unavailability: Unpublished name-bearing genus (Article 11.7.1.1) — See the unavailable name DREPANOSIPHONINAE Börner, 1952.

DREPANOSIPHONINAE Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 59.

Name-bearing genus name: *Drepanosiphon* Börner, 1931.

Cause of unavailability: Incorrect original spelling formed from the unjustified emendation of *Drepanosiphum* Koch, 1955 (Articles 32.4 & 32.5.3.2) — See the available name DREPANOSIPH_ Herrich-Schaeffer, 1857.

MACROSIPHONINI Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesesellschaft, 3 (1): 157.

Name-bearing genus name: *Macrosiphon* Börner, 1931.

Cause of unavailability: Incorrect original spelling formed from the unjustified emendation of *Macrosiphum* Passerini, 1860 (Articles 32.4 & 32.5.3.2) — See the available name MACROSIPH_ Wilson, 1910.

NEUQUENAPHIDINI Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 122.

Name-bearing genus name: *Neuquenaphis* Blanchard, 1939.

Cause of unavailability: Without description (Article 13.2.1) — See the available name NEUQUENAPHID_ Hille Ris Lambers, 1968.

NIPPONAPHIDINI Eastop, 1977

Publication reference: Harris & Maramorosh, Aphids as Virus Vectors: 13.

Publication reference: *Nipponaphis* Pergande, 1906.

Cause of unavailability: Without description (Article 13.2.1) — See the available name NIPPONAPHID Ghosh (A.K.), 1988.

PARACHAITOPHORINAE Remaudière & Stroyan, 1984

Publication reference: Annales de la Société Entomologique de France (Nouvelle Serie), 20 (1): 101.

Name-bearing genus name: *Parachaitophorus* Takahashi, 1937.

Cause of unavailability: Without description (Article 13.2.1) — See the available name PARACHAITOPHOR_ Quednau & Remaudière, 1994.

PHARALIDINI Börner, 1944

Publication reference: Brohmer [Ed.] Fauna von Deutschland, 5. Auflage: 217.

Name-bearing genus name: *Pharalis* Leach, 1826.

Cause of unavailability: Invalid (and unavailable) name-bearing genus (Article 11.7.1.1) — Replaced by METOPEUR_ Börner, 1952.

PHYLLAPHIDEN Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VII.

Name-bearing genus name: *Phyllaphis* [unpublished!, if was established in 1856].

Cause of unavailability: Invalid (and unpublished) name-bearing genus (Article 11.7.1.1) — See the available name PHYLLAPHID_ Herrich-Schaeffer, 1857.

PROCIPHILIDEN Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VII.

Name-bearing genus name: *Prociphilus* [unpublished!, if was established in 1857].

Cause of unavailability: Invalid (and unpublished) name-bearing genus (Article 11.7.1.1) — See the available name PROCIPHIL_ Herrich-Schaeffer, 1857.

RHOPALOSIPHONINI Börner, 1944

Publication reference: Brohmer [Ed.]. Fauna von Deutschland, 5. Auflage: 215.

Name-bearing genus name: *Rhopalosiphon* [unpublished!, if was established in 1952].

Cause of unavailability: Invalid (and unpublished) name-bearing genus (Article 11.7.1.1) — See the unavailable name RHOPALOSIPHONINI Börner, 1952.

RHOPALOSIPHONINI Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft

für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 67.

Name-bearing genus name: *Rhopalosiphon* Börner, 1952.

Cause of unavailability: Incorrect original spelling formed from the unjustified emendation of *Rhopalosiphum* Koch, 1954 (Articles 32.4 & 32.5.3.2) — See the available name RHOPALOSIPH_ Mordvilko, 1914.

TOXOPTERIDEN Herrich-Schaeffer, 1854

Publication reference: Koch, Die Pflanzenläuse Aphiden, (1): VII.

Name-bearing genus name: *Toxoptera* [unpublished!, if was established in 1856].

Cause of unavailability: Invalid (and unpublished) name-bearing genus (Article 11.7.1.1) — See the unavailable name TOXOPTERIDEN Herrich-Schaeffer, 1857.

TOXOPTERIDEN Herrich-Schaeffer, 1857

Publication reference: Koch, Die Pflanzenläuse Aphiden, ed. 2: VII.

Name-bearing genus name: *Toxoptera* Koch, 1856.

Cause of unavailability: Name established in vernacular language and never latinized (Article 11.7.2).

TRICHOSIPHONINAE Börner & Heinze, 1957

Publication reference: Blunck [Ed.] Handbuch der Pflanzenkrankheiten. 5. Auflage, 5, 4: 71.

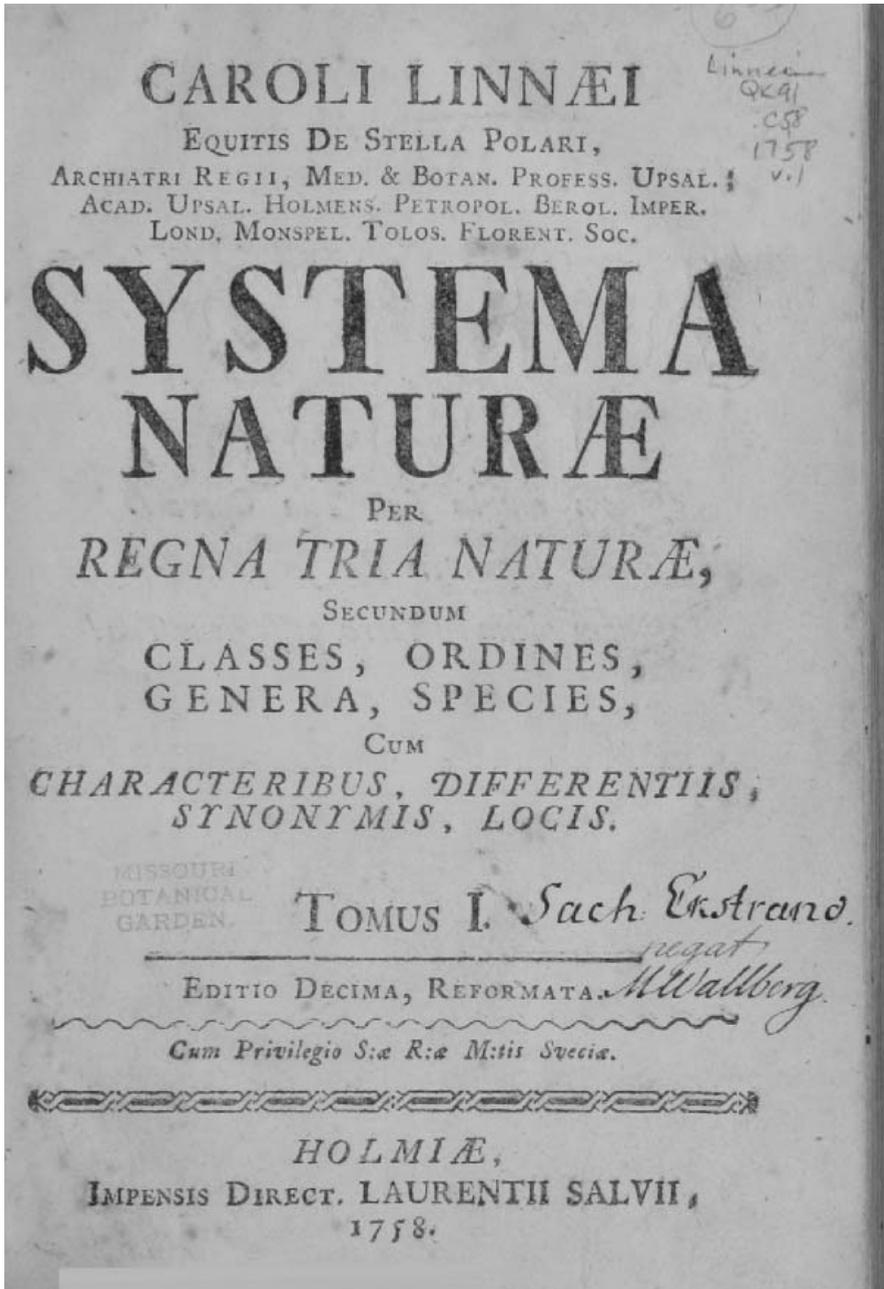
Name-bearing genus name: *Trichosiphon* [misprint of *Trichosiphum* Pergande].

Cause of unavailability: Invalid (and unpublished) name-bearing genus (Article 11.7.1.1) — See the unavailable name TRICHOSIPHINI Wilson, 1910.

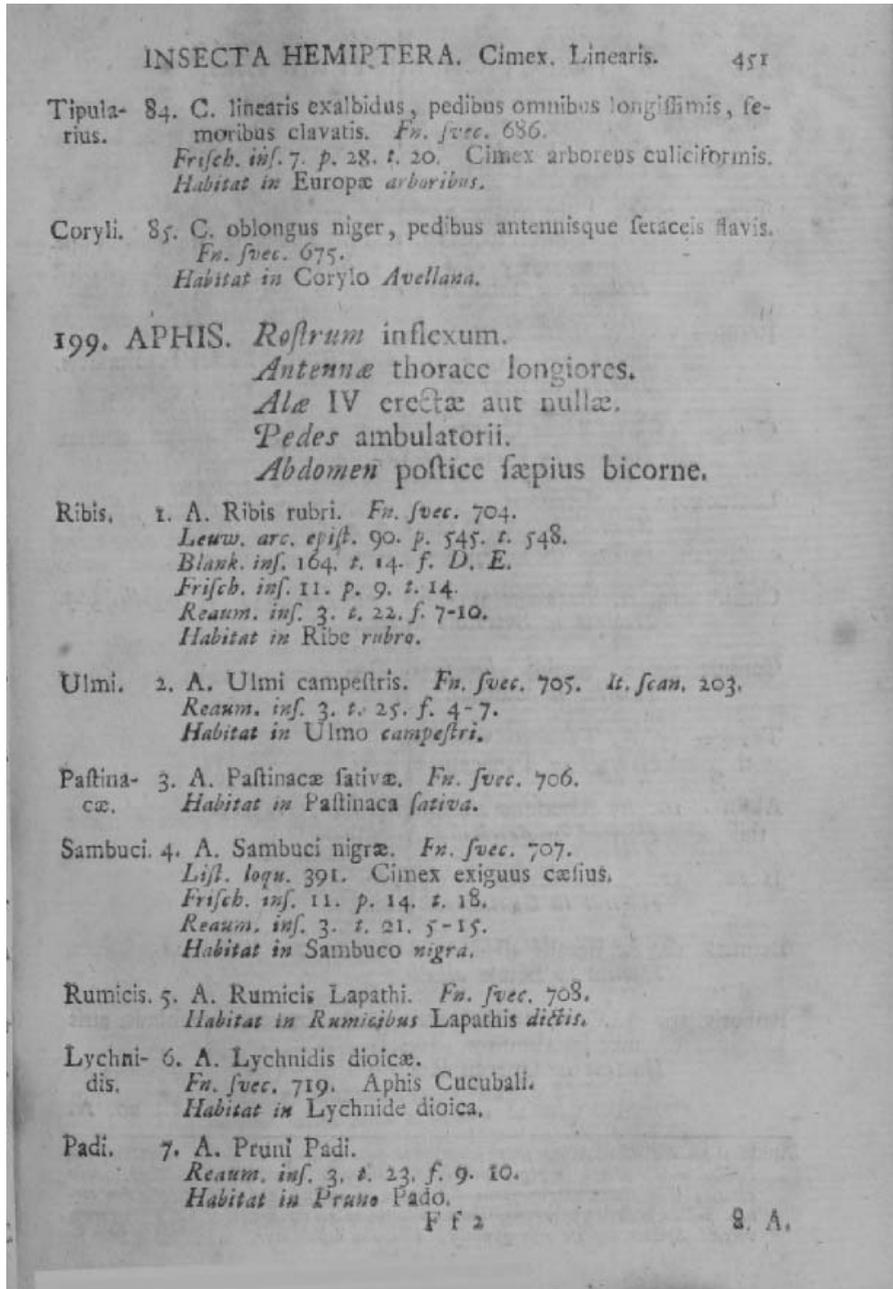
**REGISTER OF GENUS-GROUP TAXA OF
APHIDOIDEA**

**REGISTRO DE LOS TAXONES DEL NIVEL
GÉNERO DE APHIDOIDEA**

Juan M. **Nieto Nafría**, Colin **Favret**, Shin-ichi **Akimoto**,
Sebastiano **Barbagallo**, Samiran **Chakrabarti**, M. Pilar **Mier**
Durante, Gary L. **Miller**, Ge-xia **Qiao**, Masakazu **Sano**,
Nicolás **Pérez Hidalgo**, Andrey V. **Stekolshchikov**, and
Piotr **Wegierek**



Cover and page 451 of *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, by Carolus LINNÆUS, 1758, acquired 21 December 2010 from the Biodiversity Heritage Library <<http://www.biodiversitylibrary.org/item/10277>> as contributed by the Missouri Botanical Garden.



Cubierta y página 451 de *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, de Carolus LINNAEUS, 1758, descargadas el 21 de diciembre de 2010 de Biodiversity Heritage Library < <http://www.biodiversitylibrary.org/item/10277> > contribución del Missouri Botanical Garden.

REGISTER OF GENUS-GROUP TAXA OF APHIDOIDEA

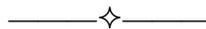
This “Register of the genus-group taxa of APHIDOIDEA” corresponds to the proposal approved by the delegates attending the Eighth International Symposium on Aphids –see Preface– with the addition of taxa described since 31 December 2005, the cutoff date for the proposal.

The genus-group names included here belong to the same superfamily, APHIDOIDEA, as contextualized and circumscribed in the “Register of family-group taxa of APHIDOIDEA”.

Some nomenclatural clarifications resulting from the preparation of this work have already been published in 2009 (*Redia*, 92: 119–123) and 2010 (*Zootaxa*, 2410: 65–68).

This “Register” is composed of two sections: “Available Names” and “Unavailable Names”.

As in the “Register of family-group taxa” (see above), the terms “available” and “unavailable”, and likewise “valid” and “invalid” are used with the exact meanings as laid out in the “International Code of Zoological Nomenclature, Fourth Edition” (henceforth the “Code”).



THE AVAILABLE NAMES

Each available name is presented with the following details: (1) the name itself with its author and year of publication, (2) the bibliographic citation, (3) the name’s rank at the time of publication, (4) the name’s type species, (5) its objective status, and when appropriate, (6) its subjective status and (7) taxonomic position.

Available names: taxon name

The name is presented as published, altered only if a correction is required by applying “Code” Article 33.2.2:

The correction of an incorrect original spelling in accordance with Article 32.5 is a “justified emendation”, and the name thus corrected retains the authorship and date of the original spelling [Art. 19.2].

unless an exception is granted by applying Article 33.2.3.1:

When an unjustified emendation is in prevailing usage and is attributed to the original author and date it is deemed to be a justified emendation.

Author names can be presented following recommendation 51E of the “Code”, with the formula “Author X *in* Author Y”, indicating that the taxon was named by one or more authors within the work of another; for example “Buckton *in* Cotes”, “Tao *in* Eastop and Hille Ris Lambers”, “Börner *in* Börner and Schilder” or “Zhang (G.-x.) & Qiao *in* Qiao, Zhang (G.-x.) and Zhao (F.)”. In order that authorship attributions not extend at length, we have not employed this technique, but instead incorporated the taxon author within the bibliographic reference (see below).

If the general aphid bibliography contains multiple authors with the same surname, we provide the author’s first name initials in parentheses in the in-text citation.

The year of publication of each name is the actual year, not the one specified in the published work itself. We did not use the double date method presented by the “Code” (Recommendation 22A.2.3), for example, for a work printed as having been published in 1974 but actually published in 1977: “1977 (1974)”. Instead, the secondary date is presented in the citation in parentheses before the colon preceding the reference’s page numbers (see below).

Available names: bibliographic references

If the taxon author is not the same as the publication’s author, the bibliographic reference is presented with the publication’s author, thus avoiding the loss of attribution information.

If the printing year as specified in the publication is not the real, actual publication year, it is included in brackets before the colon preceding the reference’s page numbers.

The text “[*preprint*]” after the title of the book or article indicates that the author distributed a preprint prior to the distribution of the book or journal volume proper. The name is considered published with the initial distribution, in accordance with “Code” Article 21.8:

Advance distribution of separates and preprints. Before 2000, an author who distributed separates in advance of the specified date of publication of the work in which the material is published thereby advanced the date of publication. [...].

Bibliographic references are given with the journal or book's full name, but article and book chapter titles are not presented. Titles are given in the original language if in the Latin alphabet. Those in a Cyrillic alphabet are transliterated using established standards and checked by A.V. Stekolshchikov. If the title is printed in Chinese or Japanese, a phonetic translation was made by G.-x. Qiao or M. Sano, respectively. If the journal or book title is bilingual, only one language is used.

When available, we included the journal's issue number along with its volume number.

The single page in citations is that on which the taxon name appears ahead of its formal description, or on which is presented the "indication", for taxa proposed prior to 1931, even if diagnostic characters are presented prior (in an abstract, key, figure legend, table, list, etc.). In the case when the only description is embedded in other text, or forms part of a dichotomous key, the page cited is the one on which the name appears, usually at the end of the text or key dichotomy, in contrast with formal descriptions where the name usually appears at the beginning.

Available names: type species

We present the type species in its original combination, with its author and actual year of publication. If the species name is invalid, we give the valid name, also in its original combination in accordance with Recommendation 67B of the "Code":

The name of a type species should be cited by its original binomen. If the name of the type species is, or is currently treated as, an invalid name, authors may also cite its valid synonym.

We specify the method of type designation using the "Code" terminology (original designation, monotypy, subsequent designation, etc.), except when the name is a replacement name or an unjustified emendation, in which case we use "denoted by", in accordance with "Code" Article 67.8:

Type species of nominal genus-group taxa denoted by new replacement names.- If an author publishes a new genus-group name expressly as a new replacement name (nomen novum) for a previously established name, or replaces a previously established genus-group name by an unjustified emendation [Art. 33.2.4], both the prior nominal taxon and its replacement have the same type species, and type fixation for either applies also to the other [...]

Available names: objective status

Objective status refers exclusively to nomenclatural criteria enumerated in the “Code”. A name’s objective status is stable and invariant over time, and independent of taxonomic classification.

In each case, besides being available, we specify if the name is potentially valid or objectively invalid. If invalid, the reason for its invalidity is given, usually for being an objective junior synonym or a junior homonym. In some cases, additional details concerning the name’s objective status are provided, for example the replacement name of a junior homonym.

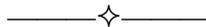
No further data are given for objectively invalid names, but we present more details concerning objectively valid names.

Available names: subjective status and taxonomic position

Subjective status and taxonomic position are based entirely on subjective criteria and as such were not part of the proposal to the International Commission on Zoological Nomenclature. We do include these data here in the Register for their taxonomic importance.

We state whether the name is subjectively valid or invalid, and if the latter, the reason for invalidity.

We provide the taxonomic position for subjectively valid taxa only. Readers are directed to the Register entry of the senior synonym to find the taxonomic position of invalid names.



THE UNAVAILABLE NAMES

For each unavailable name, we provide: (1) the taxon name with its author, year of publication, and reference citation, and (2) the reason for being unavailable.

Taxon and author names, dates, and references are treated as described above.

Causes of unavailability are those as enumerated in the “Code” (see below).

We did not record misspellings, whether incorrect original spellings or typographical/transcriptional errors, which are frequent in the aphid literature, as in zoological literature in general, and which appear frequently in so-called synonymic lists. Some misspellings of generic aphid names are recorded as

such in such synonymic lists and in general catalogues, such as the *Survey*, but others have been lost to the ancient literature.

Some subsequent misspellings were incorrectly considered justified emendations and hence, for a time, treated as available; for example: “Schizonevra” and “Tetranevra” attributed to Agassiz (1846), “Pterochlorus” attributed to Passerini (1866), “Rhyzobius” attributed to Ferrari (1872), and “Macrosiphon” attributed to Del Guercio (1914); correctly *Schizoneura*, *Tetraneura*, *Pterochlorus*, *Rhizobius*, and *Macrosiphum*, respectively. Correctly, they are not justified emendations in accordance with “Code” Article 33:

33.1. Kinds of subsequent spellings. A subsequent spelling of a name, if different from the original spelling [Art. 32.1], is either an emendation [Art. 33.2], or an incorrect subsequent spelling [Art. 33.3], or a mandatory change [Art. 34].

33.2. Emendations. Any demonstrably intentional change in the original spelling of a name other than a mandatory change is an “emendation”, except as provided in Article 33.4.

33.2.1. A change in the original spelling of a name is only to be interpreted as “demonstrably intentional” when in the work itself, or in an author’s (or publisher’s) corrigenda, there is an explicit statement of intention, or when both the original and the changed spelling are cited and the latter is adopted in place of the former, or when two or more names in the same work are treated in a similar way.

33.3. Incorrect subsequent spellings. Any subsequent spelling of a name different from the correct original spelling, other than a mandatory change or an emendation, is an “incorrect subsequent spelling”; it is not an available name and, like an incorrect original spelling [Art. 32.4], it does not enter into homonymy and cannot be used as a substitute name, but [...]

33.5. Cases of doubt. In any case of doubt whether a different subsequent spelling is an emendation or an incorrect subsequent spelling, it is to be treated as an incorrect subsequent spelling (and therefore unavailable), and not as an emendation.



ADDITIONAL DETAILS

Number of established genus-group taxa of APHIDOIDEA: 1,330.

The first available genus-group taxon is *Aphis* Linnaeus, 1758, and the currently most recent available genus-group taxon is *Gondvanoaphis* Wegierek & Grimaldi, 2010.

The first genus-group taxa proposed for the rank of subgenus were: *Adactynus* Rafinesque, 1918, *Dactynotus* Rafinesque, 1918, and *Loxerates* Rafinesque, 1918; they are available but doubtful, although *Dactynotus* was in common use for some time.

Dactynotus was used for 38 years. In 1939, Hille Ris Lambers (*Temminckia*, 4: 1–134), in considering its type species to be *Aphis hieraciumpaniculatum* Rafinesque, 1818, thus designated by Börner & Schilder –see entry in Register– proposed it be classified within the Macrosiphini as a group we now call *Uroleucon* Mordvilko. In 1977, Eastop and Hille Ris Lambers (*Survey of the World's Aphids*) listed *Dactynotus* as invalid, presumably because they could not confidently place the type species. Eastop and Hille Ris Lambers, or any other author, could have designated a neotype for *Aphis hieraciumpaniculatum*, thereby solidifying its taxonomic context and that of *Dactynotus*, but this was not done. We can find no practical reason for designating a neotype today, 30 years since *Dactynotus* was demoted in favor of *Uroleucon*, now in combination with over 230 valid species.

Unavailable nominal genus-group taxa of APHIDOIDEA

Number of unavailable names: 110.

Summary of unavailable names, their authors, and reason for unavailability

Four names by Aizenberg (1954) are unavailable because they appeared in a work not officially published in accordance with “Code” Articles 8.1.1 and 9.9.

[A work must satisfy the following criteria:] it must be issued for the purpose of providing a public and permanent scientific record.

[Notwithstanding the provisions of Article 8, none of the following constitutes published work within the meaning of the Code:] abstracts of articles, papers, posters, texts of lectures, and similar material when issued primarily to participants at meetings, symposia, colloquia or congresses.

Sixty-six names are unavailable because Amyot (1847, *Méthode mononymique*) failed to apply binomial nomenclature in accordance with Article 11.4:

The author must have consistently applied the Principle of Binominal Nomenclature [Art. 5.1] in the work in which the name or nomenclatural act was published; however, this Article does not apply to the availability of names of taxa at ranks above the family group.

and with the Opinion of suppression adopted by the International Commission on Zoological Nomenclature (China, W.E. [Ed.]. 1963. Opinion 686. Amyot, *Méthode mononymique*: placed on the Official Index of rejected and invalid works in Zoological Nomenclature. Bulletin of Zoological Nomenclature, 20(6): 423).

Four names by Shinji (1927), Del Guercio (1930), Börner (1952), and Richards (1971) were established in synonymy contrary to Articles 11.5 and 11.6.1, which respectively state:

Names to be used as valid when proposed. To be available, a name must be used as valid for a taxon when proposed [...].

[A name which when first published in an available work was treated as a junior synonym of a name then used as valid is not thereby made available] However, if such a name published as a junior synonym had been treated before 1961 as an available name and either adopted as the name of a taxon or treated as a senior homonym, it is made available thereby but dates from its first publication as a synonym (for type species if a genus-group name see Article 67.12; [...]; for authorship see Article 50.7).

Four names by Leach (1826), Williams (1891), and Mordvilko (1924, 1929), were proposed before 1931 and with neither descriptions nor indications, contrary to Article 12.1:

To be available, every new name published before 1931 must satisfy the provisions of Article 11 and must be accompanied by a description or a definition of the taxon that it denotes, or by an indication.

Two Mordvilko names (1908, 1914) were proposed before 1931 with neither description nor indication (Article 12.1) and also without containing any valid species, per Article 12.2.5:

[For the purposes of this Article the word “indication” denotes only the following:] in the case of a new genus-group name, the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference, provided that the specific name or names can be unambiguously assigned to a nominal species-group taxon or taxa;

Thirteen names by Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, three names), Börner (1949, 1952), Pašek (1966, two), Knowlton (1972), and A.K. Ghosh (1974, two), were proposed after 1930 without a text description per Article 13.1:

To be available, every new name published after 1930 must satisfy the provisions of Article 11 and must

- 13.1.1. be accompanied by a description or definition that states in words characters that are purported to differentiate the taxon, or
- 13.1.2. be accompanied by a bibliographic reference to such a published statement [...] or
- 13.1.3. be proposed expressly as a new replacement name (*nomen novum*) for an available name [...].

Nine names by Börner (1944 [five names], 1950 [two names]), Takahashi (1965), and Paik (1972) were proposed after 1930 without a designated type species, per Article 13.3:

To be available, every new genus-group name published after 1930 [...] must, in addition to satisfying the provisions of Article 13.1, be accompanied by the fixation of a type species in the original publication [Art. 68] or be expressly proposed as a new replacement name (*nomen novum*) [Art. 67.8].

Five names by van der Goot (1915), Matsumura (1917), Shinji (1929 [two names]), and Özdikem & Demir (2007) were alternate original spellings not adopted by the first reviser, per Article 19.3:

Alternative original spellings that are not adopted by the First Reviser [Art. 24.2] are deemed to be incorrect original spellings and are not separately available [Art. 32.4].

Two names by Mordvilko (1919) and Takahashi (1962) were original spellings replaced by a subsequent spelling in predominant use and attributed to the publication of the original spelling, per Article 33.3.1:

when an incorrect subsequent spelling is in prevailing usage and is attributed to the publication of the original spelling, the subsequent spelling and attribution are to be preserved and the spelling is deemed to be a correct original spelling.

Summary of available nominal genus-group taxa of APHIDOIDEA

Number of available names: 1,220.

Available taxa established at the rank of subgenus: 151.

Available taxa established at the rank of genus: 1,069.

Chronology

Number of available taxa established in the first 75 years of Linnean zoological nomenclature (1758–1832): eight, only two remain valid today (Table G-1).

Available taxa established in the first hundred years of Linnean zoological nomenclature (1758–1857): 54 (Table G-1).

Note the frequency, during those 100 years, of nomenclatural instability (objective and subjective synonyms, homonyms, etc.), and of the high number of proposed genera today classed as Eriosomatinae.

Available taxa established after 1858: 1,165 (Table G-2 and Figure G-1).

The rate of addition of aphid genera increased after 1900, although it varied across the decades of the 20th Century. The decades 1911-1920 and 1961-1970 saw the greatest number

of new genus-group taxa, with high numbers also in the decades 1921-1930 and 1951-1960.

Authorities

Number of available genus-group taxa proposed by one author alone: 1,046.

Available names proposed by two to four authors: 174.

Number of different genus-group name authorships (including different attributed author orders): 97.

Number of authors involved: 245.

Most prolific authors, responsible for 1% or more of the available name (12 or more): 33, responsible for approximately 75% of all available genus-group taxa (Table G-4).

Type species

Number of available taxa with type species: 1,209 (Table G-5).

Available taxa without type species: 11, *Aorison*, *Chaitocallipterus*, *Euaulax*, *Halmodaphis*, *Jaxartaphis*, *Neomegoura*, *Orobion*, *Pteriaphis*, *Trichonaphis*, *Tuberculaphis*, and *Turanaphis*.

Taxa with type species objectively invalid (for being junior homonyms): 3, they are *Hydaphias*, *Rizoberlesia*, and *Submacrosiphum*.

Taxa with type species objectively valid but subjectively invalid (they are junior subjective synonyms): 227.

Taxa with type species objectively and subjectively valid: 979.

Valid and invalid nominal genus-group taxa

Number of objectively invalid taxa: 109

5 are suppressed or invalidated under the Plenary Powers of the International Commission on Zoological Nomenclature: *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;

1 is a *nomen oblitum*: *Phillophorus*;

1 is an unjustified emendation and junior homonym: *Microsiphon* Börner;

6 are unjustified emendations, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrosiphon*, *Rhopalosphon*, and *Submacrosiphon*;

3 are junior homonyms and junior objective synonyms: *Anacyrthosiphon* Raychaudhuri (D.N.) *et al.*, *Ferganaphis* Mukhamediev, *Paraneomyzus* Raychaudhuri (D.N.) *et al.*;

60 are junior homonyms; and

33 are junior objective synonyms

Objectively valid taxa: 1,111.

Most prolific authors of at least 1% (11 names) of all objectively valid genera: 33 (Table G-6).

Subjectively invalid taxa: 338.

Subjectively valid taxa: 773.

Taxa subjectively valid but without taxonomic context (i.e., *nomina dubia*): 22, by Del Guercio, Gaumont, and Koch (1 each), Matsumura, Shinji, and Theobald (2 each), and Rafinesque, Rusanova, and Mordvilko (3, 4, and 5 each, respectively).

Taxa fully valid and with taxonomic meaning: 751.

The distribution of valid taxa within family-groups

There is great variety in the number of genera within each of the valid aphid families and subfamilies (Table G-7). Thirty-seven genera are not assignable to the lowest subordinate family-group taxon (i.e., they are *incertae sedis*).

APHIDINAE is the subfamily with the most genera, 352 of 773, or 45.5% of the total. The next highest concentrations of valid genera and subgenera are found in CALAPHIDINAE, with 92 or 11.9%, ERIOSOMATINAE with 76 or 9.8%. HORMAPHIDINAE have 48 or 6.2%, LACHNINAE have 26 or 3.4%, GREENIDEINAE have 23 or 2.9%, and SALTUSAPHIDINAE have 16 or 2.1%.

Comparing the ratio of valid species to genera within family-group taxa can give insight into the amount of taxonomic 'clumping' and 'splitting' and also underscore the need for comprehensive revisions of some of the largest groups.

The SALTUSAPHIDINAE and CALAPHIDINAE have the lowest ratio of valid species to genus-groups (3.75 and 3.84, respectively): both of these subfamilies have been the subject of recent global revisions. In contrast, the APHIDINI and LACHNINAE have the highest ratios of species to genus-groups (18.48 and 14.92, respectively). These latter taxa contain the two largest aphid genera, *Aphis* and *Cinara*, with 553 and 241 valid species, respectively. Börner had split them into a number of additional genera, but these were difficult to distinguish, probably did not refer to natural groups, and fell into disuse and

then synonymy. The large size of these two globally distributed genera makes them unwieldy to work with, taxonomically, as there are no clear ways to divide them into more manageable groups. Simultaneously, they are so large as to discourage revisionary work [data taken from Aphid Species File – <http://Aphid.SpeciesFile.org>].

Table G-1. Genus-group level taxa proposed from 1758 through 1857, ordered first chronologically, then alphabetically by author and taxon name.

Tabla G-1. Taxones del nivel género establecidos entre 1758 y 1857, ambos inclusive. Ordenación cronológica y después alfabética de autores y taxones.

Year	Author	Available taxon	Current status	Additional information
Año	Autor	Taxón disponible	Estatus actual	Otras informaciones
1758	Linnaeus	<i>Aphis</i>	valid	first genus of the APHIDOIDEA
1818	Leach	<i>Eriosoma</i>	valid	oldest genus of ERISOMATINAE, and second of APHIDOIDEA
1818	Rafinesque	<i>Adactynus</i>	objectively valid, nomen dubium	
1818	Rafinesque	<i>Dactynotus</i>	objectively valid, nomen dubium	
1818	Rafinesque	<i>Loxerates</i>	objectively valid, nomen dubium	
1826	Leach	<i>Doralis</i>	suppressed by the I.C.Z.N.	
1827	Berthold	<i>Myzoxylon</i>	junior subjective synonym of <i>Eriosoma</i>	
1831	Blot	<i>Myzoxylus</i>	junior objective synonym of <i>Myzoxylon</i>	
1835	Burmeister	<i>Lachnus</i>	valid	oldest genus of LACHNINAE
1835	Burmeister	<i>Rhizobius</i>	suppressed by the I.C.Z.N.	
1835	Curtis	<i>Cinara</i>	valid	
1837	von Heyden	<i>Forda</i>	valid	
1837	von Heyden	<i>Paracletus</i>	valid	
1837	von Heyden	<i>Trama</i>	valid	
1837	Zetterstedt	<i>Leptopteryx</i>	junior homonym, replaced by <i>Euceraphis</i> Walker, 1870	oldest genus of CALAPHIDINAE
1838	Haliday	<i>Atheroides</i>	valid	oldest genus of CHAITHOPHORINAE
1838	Haliday	<i>Byrsocrypta</i>	invalidated under Plenary Powers of I.C.Z.N.	
1839	Hartig	<i>Pemphigus</i>	valid	

Year	Author	Available taxon	Current status	Additional information
1839	Hartig	<i>Schizoneura</i>	junior subjective synonym of Eriosoma	
1840	van der Hoeven	<i>Rhizophthiridium</i>	junior subjective synonym of Pemphigus	
1840	Westwood	<i>Brysocrypta</i>	invalidated under Plenary Powers by I.C.Z.N.	
1840	Westwood	<i>Thelaxes</i>	valid	oldest genus of THELAXINAE
1841	Hartig	<i>Rhizoterus</i>	junior subjective synonym of Forda	
1841	Hartig	<i>Tetraneura</i>	valid	
1848	Rodani	<i>Aphioides</i>	junior objective synonym of Pemphigus	
1848	Rodani	<i>Baizongia</i>	valid	
1848	Rodani	<i>Mimaphidius</i>	junior subjective synonym of Eriosoma	
1848	Rodani	<i>Pteroclorus</i>	junior objective synonym of Lachnus	
1849	Westwood	<i>Smynthuodes</i>	valid	
1852	Fernie	<i>Phyllophora</i>	junior homonym, replaced by Periphyllus van der Hoeven, 1863	
1853	Thorton	<i>Phillophorus</i>	nomen oblitum, replaced by Periphyllus van der Hoeven, 1863	
1854	Koch	<i>Chaitophorus</i>	valid	
1854	Koch	<i>Hyalopterus</i>	valid	
1854	Koch	<i>Rhopalosiphum</i>	valid	
1855	Koch	<i>Callipterus</i>	junior homonym, replaced by Panaphis Kirkaldy, 1904	
1855	Koch	<i>Drepanosiphum</i>	valid	oldest genus of DREPANOSIPHINAE
1855	Koch	<i>Dryobius</i>	junior objective synonym of Lachnus	
1855	Koch	<i>Siphonophora</i>	junior homonym, replaced by Macrosiphum Passerini, 1860	
1856	Koch	<i>Asiphum</i>	junior subjective synonym of Pachypappa	

Year	Author	Available taxon	Current status	Additional information
1856	Koch	<i>Cladobius</i>	junior homonym, replaced by <i>Pterocomma</i> Buckton, 1879	
1856	Koch	<i>Glyphina</i>	valid	
1856	Koch	<i>Pachypappa</i>	valid	
1856	Koch	<i>Phyllaphis</i>	valid	oldest genus of PHYLLAPHIDINAE
1856	Koch	<i>Toxoptera</i>	valid	
1857	Hartig	<i>Rhizomaria</i>	junior subjective synonym of <i>Pachypappa</i> Koch, 1856	
1857	Koch	<i>Amycla</i>	junior homonym, replaced by <i>Tetraneura</i> Hartig, 1841	
1857	Koch	<i>Anoecia</i>	valid	oldest genus of ANOECIINAE
1857	Koch	<i>Endeis</i>	junior homonym, replaced by <i>Dryopedia</i> Kirkaldy, 1904	
1857	Koch	<i>Mindarus</i>	valid	oldest genus of MINDARINAE
1857	Koch	<i>Prociphilus</i>	valid	
1857	Koch	<i>Stagona</i>	valid	
1857	Koch	<i>Thecabius</i>	valid	
1857	Koch	<i>Thychea</i>	objectively valid name, nomen dubium	
1857	Motschulsky	<i>Aphidioides</i>	objectively valid name, nomen dubium	the first genus established for an extinct species

Table G-2. Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.**Tabla G-2.** Taxones del nivel género establecidos desde 1758 hasta 2010, agrupados por décadas desde 1831.

Period / decade	Total number	Percentage of total
Periodo / década	Total	Porcentaje
1758—1830	7	0.57
1831—1840	16	1.31
1841—1850	6	0.49
1851—1860	36	2.95
1861—1870	18	1.48
1871—1880	9	0.74
1881—1890	27	2.21
1891—1900	15	1.23
1901—1910	44	3.61
1911—1920	161	13.20
1921—1930	131	10.74
1931—1940	92	7.54
1941—1950	80	6.56
1951—1960	139	11.39
1961—1970	160	13.11
1971—1980	92	7.54
1981—1990	54	4.43
1991—2000	77	6.31
2001—2010	56	4.59
1758—2010	1,220	100

Figure G-2. Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.

Figura G-2. Taxones del nivel género establecidos desde 1758 hasta 2010. agrupados por décadas desde 1831.

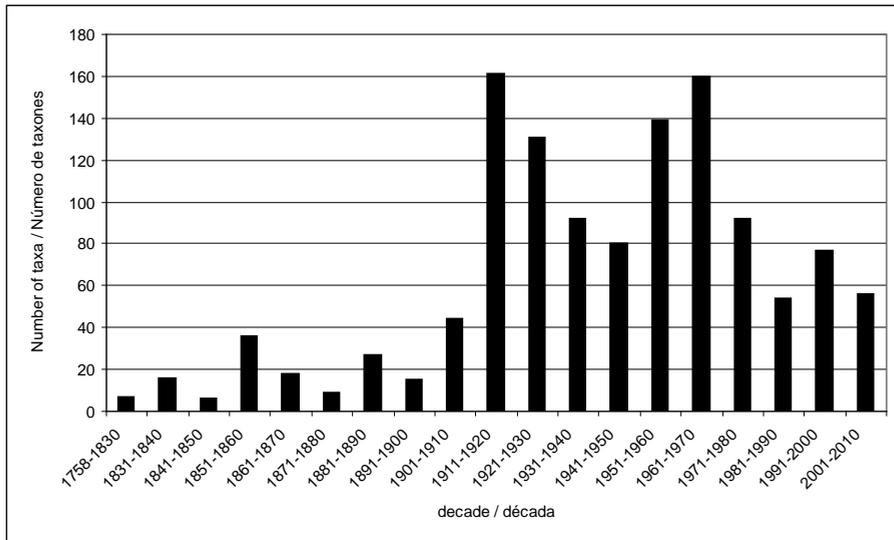


Table G-3. Authors (alone or as co-authors) of available genus-group taxa.**Tabla G-3.** Autores (singulares o múltiples) de los taxones del nivel género disponibles.

Adams	& Raychaudhuri	Ghosh (A.K.) & Quednau
Agarwala. Mondal & Raychaudhuri (D.N.)	(D.N.) Chakrabarti. Saha & Mandal	Ghosh (A.K.) & Raychaudhuri (D.N.)
Aizenberg	Chang	Ghosh (A.K.) & Verma
Altum	Cholodkovsky	Ghosh (A.K.), Basu (R.C.) & Raychaudhuri
Andreev	Clarke	(D.N.)
Ansorge	Cockerell	Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.)
Aoki. Kurosu & Fukatsu	Cottier	
Baker (A.C.)	Curtis	Ghosh (L.K.)
Barbagallo	Danielsson	Ghosh (M.R.), Basu (R.C.) & Raychaudhuri
Barbagallo & Patti	Das (B.)	(D.N.)
Basu (A.N.)	Davatchi. Hille Ris Lambers & Lambers & Remaudière	Ghosh (M.R.), Pal & Raychaudhuri (D.N.)
Basu (A.N.) & Hille Ris Lambers	David	Gillette
Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.)	David. Narayanan & Rajasingh	Gillette & Palmer
Becker-Migdisova	David. Rajasingh & Narayanan	Glendenning
Behura & Dash	Davis	Gómez-Menor
Berthold	Del Guercio	Granovsky
Blanchard (E.E.)	Doncaster	Gredina
Blot	Doncaster & Stroyan	Grimaldi
Börner	Drews	Haliday
Bozhko	Dzhibladze	Hall
Bramstedt	Eastop	Hartig
Buckton	Essig	Haupt
Burmeister	Essig & Kuwana	Heie
Calilung	Fernie	Heie & Poinar
Carver	Ferrari	Heikinheimo
Carver & Martyn	Frison & Ross	Heinze
Chakrabarti	Gaumont	Higuchi
Chakrabarti & Bhattacharya	Ghosh (A.K.), Chakrabarti.	Hille Ris Lambers
Chakrabarti & Maity	Chowdhuri & Raychaudhuri (D.N.)	Hille Ris Lambers & Basu (A.N.)
Chakrabarti & Quednau		
Chakrabarti & Raha		
Chakrabarti, Ghosh (A.K.)		

Hille Ris Lambers & Hottes	MacVicar Baker	Passerini
Hille Ris Lambers & Rogerson	Mamontova & Kolomoets	Patch
Holman	Mamontova / Mamontova-Solukha	Pergande
Holman & Szelegiewicz	Manheim	Pintera
Hong	Martelli	Poinar & Brown
Hong & Wang	Mason	Pramanick, Samanta & Raychaudhuri (D.)
Horváth	Matsumura	Qiao & Zhang (G.-x.)
Hottes	Matsumura & Hori	Quednau
Hottes & Frison	Maxson & Hottes	Quednau & Barbagallo
Hottes & Wehrle	Menon & Pawar	Quednau & Chakrabarti
Huculak	Mier Durante, Nieto Nafria & Ortego	Quednau & Remaudière
Ivanovskaja / Ivanovskaja-Shubina	Mier Durante, Ortego & Nieto Nafria	Quednau & Shaposhnikov
Jensen & Stoetzel	Mimeur	Rafinesque
Kadyrbekov	Miyazaki	Raychaudhuri (D.N.)
Kadyrbekov, Renxin & Shao	Monell	Raychaudhuri (D.N.) & Chatterjee
Karsch	Monzen	Raychaudhuri (D.N.) & Ghosh (A.K.)
Kirkaldy	Mordvilko	Raychaudhuri (D.N.) & Pal
Klodnitsky	Motschulsky	Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.)
Knowlton	Müller (F.P.)	Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.)
Knowlton & Allen	Narzikulov	Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.)
Knowlton & Ma	Narzikulov & Daniyarova	Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.)
Knowlton & Roberts	Narzikulov & Mukhamediev	Raychaudhuri (D.N.), Ghosh (M.R.) & Banerjee (M.) & Ghosh (A.K.)
Koch	Narzikulov & Smailova	Remaudière
Kononova	Nevsky	Remaudière & Davatchi
Kumar & Burkhardt	Noordam	Remaudière & Quednau
Kumar & Lavigne	Oestlund	Remaudière & Tao
Laing	Olive	Ren, Lu & Ji
Leach	Ortego	Richards
Leclant	Ortego, Nieto Nafria & Mier Durante	Robinson
Lee (S.H.)	Ossiannilsson	Rondani
Liao	Osten-Sacken	Rübsaamen
Lichtenstein	Paik	Rusanova
Lin	Pal & Raychaudhuri (D.N.)	
Linnaeus	Pashchenko	
Macchiati		
MacGillivray		
MacGillivray & Bradley		

Sanborn	van der Goot
Schouteden	van der Hoeven
Schumacher	van Harten & Ilharco
Scudder	Verma
Shaposhnikov	von Heyden
Shaposhnikov & Gabrid	Walker
Shaposhnikov & Wegierek	Walsh
Shimer	Wang
Shinji	Wegierek
Signoret	Weswood
Silvestri	Wilson
Singh & Raychaudhuri	Wilson & Davis
(D.N.)	Wojciechowski
Smith	Wood-Baker
Smith & Heie	Yuan & Xue
Smith & Pepper	Zehntner
Soliman	Zetterstedt
Sorensen	Zhang (G.-x.)
Sorin	Zhang (G.-x.) & Hong
Sousa-Silva & Ilharco	Zhang (G.-x.) & Qiao
Stekolshchikov & Qiao	Zhang (G.-x.) & Zhong
Strand	Zhang (G.-x.), Chen, Zhong & Li
Strom	Zhang (G.-x.), Qiao & Chen
Suenaga	Zhang (G.-x.), Zhong & Qiao
Sunde	Zhang (G.-x.), Zhong & Qiao
Swain	Zhang (G.-x.), Zhong & Zhang (W.-y.)
Szelegiewicz	Zhang (J.-f.), Sun & Zhang (X.)
Szépligeti	Zhang (J.-f.), Zhang (S.). Hou & Ma
Takagi	Zhang (L.) & Zhang (G.-x.)
Takahashi	Zhang (W.-y.) & Zhang (G.-x.)
Tao	Zwölfer
Tashev	
Theobald	
Thornton	
Tsai & Tang	
Tseng & Tao	
Tullgren	
Umarov	
Umarov & Ibramova	

Table G-4. The most prolific authors of genus-group taxa (producing 1% or more of available names).**Tabla G-4.** Autores de géneros más prolíficos (al menos el 1% de los nombres disponibles).

Authority	Total number of names (Subgenera)	Number as sole author	Number as co-author	Years in practice of aphid taxonomy	Years of first and last generic name
Autor	Total (Subgéneros)	En solitario	En coautoría	Período de actividad en afidología	Años de sus géneros primero y último
Börner, Carl	99 (21)	99	0	1909–1957	1926 / 1952
Hille Ris Lambers, Dick	69 (18)	63	6	1931–1980	1931 / 1974
Takahashi, Ryoichi	62 (4)	62	0	1918–1967	1919 / 1967
Mordvilko, Aleksandr Konstantinovich	59 (6)	59	0	1892–1938(1948)	1894 / 1948
Heie, Ole Engel	50 (5)	47	3	1952–	1963 / 2006
Zhang, Guang-xue	46 (6)	18	28	1976–2010	1980 / 2003
Raychaudhuri, Dihendra Nath	46 (19)	6	40	1956–1984	1956 / 1982
Matsumura, Shonen	35	34	1	1898–1932	1917 / 1929
van der Goot, Pieter	33	33	0	1911–1919	1912 / 1918
Del Guercio, Giacomo	32 (2)	32	0	1892–1933	1900 / 1930
Shinji, George Orihei	32	32	0	1917–1949	1922 / 1942
Quednau, Franz Wolfgang	30 (10)	19	11	1953–	(1952) 1953 / 2008
Shaposhnikov, Georgiy Christoforovich	29 (11)	23	6	(1941)1946–1997	1950 / 1989
Hong, Youchong	23	18	5	1989–	1990 / 2002
Koch, Carl Ludwig	21	21	0	1854–1857	1854 / 1957
Remaudière, Georges	21 (8)	10	11	1951–	1954 / 2001
Tao, Charles Chia-chu	20	16	4	1936–1971	1938 / 1976
Ghosh, Ashis Kumar	20 (7)	0	20	1958–1991	1962 / 1990

Authority	Total number of names (Subgenera)	Number as sole author	Number as co-author	Years in practice of aphid taxonomy	Years of first and last generic name
Ghosh, Manoj Ranjan	19 (8)	0	19	1970–1981	1971 / 1980
Theobald, Fred Vincent	18	18	0	1897–1929	1914 / 1928
Oestlund, Oscar William	17	17	0	1886–1942	1886 / 1923
Narzikulov, Muchamedkul Narzikulovitch	15 (4)	12	3	1941–1990	1957 / 1979
Buckton, George Bowdler	14	14	0	1876–1901	1876 / 1893
Richards, William Robin	14 (4)	14	0	1956–1976	1958 / 1966
Basu, Ramesh Chandra	14 (7)	0	14	1967–1983	1969 / 1980
Qiao, Ge-xia	14 (2)	0	14	1993–	1995 / 2008
Baker, Arthur Challen	13	13	0	1915–1923	1919 / 1920
Essig, Edward Oliver	13	12	1	1909–1958	1912 / 1957
Chakrabarti, Samiran	13 (2)	2	11	1968–	1969 / 1996
Zhong, Tie-sen	13 (1)	0	13	1976–	1981 / 1999
Nevsky, Valerian Pavlovitch	12	12	0	1925–1953	1928 / 1929
Basu, Adya Nath	12 (1)	9	3	1955–1969	1964 / 1969
Chen, Xiao-lin	12	0	12	1995–1999	1999

Table G-5. Method of type species designation for available genus-group taxa.
Tabla G-5. Modo de fijación de la especie tipo de los géneros disponibles.

Method	Number	Select genera
Modo	Cantidad	Géneros (en algunos casos)
By designation under the plenary powers by the International Commission on Zoological Nomenclature	6	<i>Aphis</i> , <i>Chaitophorus</i> , <i>Cinara</i> , <i>Euceraphis</i> , <i>Lachnus</i> , <i>Metopeurum</i>
By monotypy	122	
By monotypy and actuation of Nieto Nafria et al. (2010: 67) under the Article 70.3.2 of the ICZN	6	<i>Arctaphis</i> , <i>Aulacorthum</i> , <i>Belochilum</i> , <i>Neomacrosiphum</i> , <i>Tycheoides</i> , <i>Ceruraphis</i>
By original designation	953	
By original designation and application of the Articles 11.10 and 67.13 of the ICZN	1	<i>Synthripaphis</i>
By original designation and application of the Article 11.6.1 of the ICZN	1	<i>Holcaphis</i>
By original designation and actuation of Nieto Nafria et al. (2010: 67) under the Article 70.3.1 or 70.3.2 of the ICZN	2	<i>Masonaphis</i> (under 70.3.1) <i>Chaetophorella</i> (under 70.3.2)
By subsequent monotypy	2	<i>Maculodryaphis</i> , <i>Tetraneura</i>
By subsequent designation	59	
By subsequent designation and validation under plenary powers by the International Commission on Zoological Nomenclature	1	<i>Hyalopterus</i>
By subsequent designation and actuation of Nieto Nafria et al. (2010: 67) under the Article 70.3.2 of the ICZN	3	<i>Asiphum</i> , <i>Lachniella</i> , <i>Schizoneura</i>
Denoted by new replacement name	46	
Denoted by new unjustified emendation	7	<i>Asiphon</i> , <i>Cryptosiphon</i> , <i>Drepanosiphon</i> , <i>Macrosiphon</i> , <i>Microsiphon</i> , <i>Rhopalosiphon</i> , <i>Submacrosiphon</i>

Table G-6. Most prolific authors of at least 1% of objectively valid genus-group taxa.**Tabla G-6.** Autores de géneros más prolíficos, al menos del 1% de los géneros válidos objetivos.

Author	Number of available names	Number of objectively invalid names	Number of objectively valid names	Number of subjectively invalid names	Number of subjectively valid names
Autor	Nombres disponibles	Nombres objetivamente inválidos	Nombres objetivamente válidos	Nombres subjetivamente inválidos	Nombres subjetivamente válidos
Börner, Carl	99	13	86	49	37
Hille Ris Lambers, Dick	69	1	68	12	56
Takahashi, Ryoichi	62	0	62	12	50
Mordvilko, Aleksandr Konstantinovich	59	8	51	15	36
Heie, Ole Engel	50	0	50	2	48
Zhang, Guang-xue	46	2	44	22	23
Raychaudhuri, Dihendra Nath	46	4	42	27	15
Matsumura, Shonen	35	1	34	17	17
Shinji, George Orihei	32	3	29	21	8
Quednau, Franz Wolfgang	30	2	28	4	24
Shaposhnikov, Georgii Khrisoforovitch	29	1	28	10	18
Del Guercio, Giacomo	32	4	28	15	13
van der Goot, Pieter	33	8	25	5	20
Hong, Youchong	22	1	21	0	21
Remaudière, Georges	21	0	21	3	18
Tao, Charles Chia-chu	20	1	19	5	14

Author	Number of available names	Number of objectively invalid names	Number of objectively valid names	Number of subjectively invalid names	Number of subjectively valid names
Ghosh, Ashis Kumar	20	1	19	11	8
Koch, Carl Ludwig	21	6	15	1	14
Basu, Adya Nath	12	0	12	0	12
Richards, William Robin	14	0	14	2	12
Oestlund, Oscar William	17	3	14	2	12
Theobald, Fred Vincent	18	1	17	6	11
Wegierek, Piotr	11	0	11	0	11
Narzikulov, Muchamedkul Narzikulovitch	15	1	14	4	10
Zhong, Tie-sen	13	0	13	9	4
Qiao, Ge-xia	14	2	12	2	10
Nevsky, Valerian Pavlovitch	12	0	12	5	7
Chakrabarti, Samiran	13	1	12	5	7
Buckton, George Bowdler	14	2	12	6	6
Chen, Xiao-lin	12	0	12	9	3
Ghosh, Manoj Ranjan	19	4	15	12	3
Essig, Edward Oliver	13	2	11	2	9

Table G-7. Taxonomic placement of subjectively valid genus-group level taxa (genera and subgenera, but not including nominotypical subgenera) within family-group level taxa (superfamily, family, subfamily, tribe, and subtribe), following the extended classification of Remaudière, Stroyan, and Quednau.

Tabla G-7. Adscripción de los taxones de nivel género –de categorías de género y subgénero (sin incluir los subgéneros nominotípicos)– válidos subjetivos a los taxones de de nivel familia –de categorías superfamilia, familia, subfamilia, tribu y subtribu– según la “clasificación de Remaudière, Stroyan y Quednau ampliada”.

Family-group taxon	Number of genus-group taxa	Percentage of total
Taxón	Número	Porcentaje
APHIDOIDEA (total)	773	100
APHIDOIDEA incertae sedis	3	0.39
CANADAPHIDIDAE	4	0.52
CRETAMYZIDAE	1	0.13
DREPANOCHAITOPHORIDAE	1	0.13
OVIROSIPHIDAE	11	1.42
PARVAVERRUCOSIDAE	1	0.13
SINAPHIDIDAE	2	0.26
APHIDIDAE (total)	750	97.02
APHIDIDAE (incertae sedis)	6	0.78
APHIDIDAE (incertae sedis in part: drepanosiphine complex)	12	1.55
APHIDIDAE nomen dubium [an aphid or a coccid]	1	0.13
AICEONIINAE	2	0.26
ANOECIINAE	5	0.65
APHIDINAE (total)	352	45.54
APHIDINAE incertae sedis	7	0.91
APHIDINI APHIDINA	30	3.88
APHIDINI RHOPALOSIPHINA	11	1.42
APHIDINAE MACROSIPHINI	304	39.33
BALITICHAITOPHORINAE	1	0.13
CALAPHIDINAE (total)	92	11.90
CALAPHIDINAE incertae sedis	1	0.13
CALAPHIDINI CALAPHIDINA	13	1.68
CALAPHIDINI MONAPHIDINA	4	0.52
PANAPHIDINI MYZOCALLIDINA	34	4.40
PANAPHIDINI PANAPHIDINA	40	5.17
CHAITOPHORINAE (total)	14	1.81
CHAITOPHORINAE incertae sedis	1	0.13
CHAITOPHORINI	7	0.91
SIPHINI	6	0.78
DREPANOSIPHINAE	13	1.68

Family-group taxon	Number of genus-group taxa	Percentage of total
ERIOSOMATINAE (total)	76	9.83
ERIOSOMATINAE incertae sedis	11	1.42
ERIOSOMATINAE ERIOSOMATINI	16	2.07
ERIOSOMATINAE FORDINI	19	2.46
ERIOSOMATINAE PEMPHIGINI	30	3.88
GREENIDEINAE (total)	23	2.98
GREENIDEINAE incertae sedis	1	0.13
GREENIDEINAE CERVAPHIDINI	7	0.91
GREENIDEINAE GREENIDEINI	12	1.55
GREENIDEINAE SCHOUTEDENIINI	3	0.39
HORMAPHIDINAE (total)	48	6.21
HORMAPHIDINAE incertae sedis	5	0.65
CERATAPHIDINI	13	1.68
HORMAPHIDINI	3	0.39
NIPPONAPHIDINI	27	3.49
ISRAELAPHIDINAE	1	0.13
LACHNINAE (total)	26	3.36
LACHNINAE incertae sedis	1	0.13
EULACHNINI	9	1.16
LACHNINI	12	1.55
TRAMINI	4	0.52
LIZERIINAE	10	1.29
MACROPODAPHIDINAE	2	0.26
MINDARINAE	3	0.39
NEOPHYLLAPHIDINAE	4	0.52
PALAEOSIPHONINAE	1	0.13
PARACHAITOPHORINAE	1	0.13
PHLOEOMYZINAE	8	1.03
PHYLLAPHIDINAE	12	1.55
PTERASTHENINAE	4	0.52
PTEROCOMMATINAE	5	0.65
SALTUSAPHIDINAE (total)	16	2.07
SALTUSAPHIDINAE incertae sedis	1	0.13
SALTUSAPHIDINAE SALTUSAPHIDINI	7	0.91
SALTUSAPHIDINAE THRIPSAPHIDINI	8	1.03
SPICAPHIDINAE	3	0.39
TAIWANAPHIDINAE	2	0.26
TAMALIINAE	1	0.13
THELAXINAE	6	0.78
THELAXINAE GONDVANOAPHIDINI	1	0.13
THELAXINAE THELAXINI	5	0.65

REGISTRO DE LOS TAXONES DEL NIVEL GÉNERO DE APHIDOIDEA

Este “Registro de los taxones del nivel género de APHIDOIDEA” es la “Propuesta” dedicada a esos taxones, aprobada en el *Eighth International Symposium in Aphids* —ver “Prefacio”— con la adición de los taxones descritos desde el 31 de diciembre de 2005, fecha límite de la “Propuesta”, hasta la fecha.

Véase en la introducción del “Registro de los taxones del nivel familia de APHIDOIDEA” la relación de taxones del nivel familia que se incluyen en la superfamilia APHIDOIDEA en el contexto de la clasificación utilizada.

Algunos resultados parciales de este estudio se dieron ya a conocer en 2009 (*Redia*, 92: 119–123) y en 2010 (*Zootaxa*, 2410: 65–68).

Este “Registro” consta de dos secciones: “Nombres disponibles” y “Nombres indisponibles”.

Como en el “Registro de los taxones del grupo familia” (ver más arriba) los términos “disponible” e “indisponible”, “válido” e “inválido” se utilizan exactamente en el sentido que les otorga el “Código Internacional de Nomenclatura Zoológica, cuarta edición” (de aquí en adelante el “Código”).



LOS NOMBRES DISPONIBLES

De los nombres disponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, (2) la referencia bibliográfica, (3) la categoría asignada al ser establecido, (4) la especie tipo y (5) el estatus objetivo, y además en su caso (6) el estatus subjetivo y (7) la posición taxonómica.

Nombres disponibles: nombre del taxón

Se proporciona el nombre establecido con su grafía original, debidamente corregido si es el caso, en aplicación del artículo 33.2.2 del “Código”, que dice:

«La corrección de una grafía original incorrecta conforme al Artículo 32.5 es una “enmienda justificada” y el nombre así corregido mantiene la autoría y la fecha de la grafía original [Art. 19.2]».

excepto en los casos en los que es de aplicación lo dispuesto en el artículo 33.2.3.1, que dice:

«Si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta».

El “Código” permite (Recomendación 51E), notaciones del tipo “autor X *in* autor Y”, como por ejemplo “Buckton *in* Cotes”, “Tao *in* Eastop y Hille Ris Lambers”, “Börner *in* Börner y Schilder”, o “Zhang (G.-x.) & Qiao *in* Qiao, Zhang (G.-x.) y Zhao (F.)”, que informan que el taxón fue establecido por un autor (singular o múltiple) en una obra firmada por otro autor (singular o múltiple). Para no alargar en exceso las autorías no se utiliza esta notación; en contrapartida el nombre del autor de la publicación se incorpora a la referencia bibliográfica (ver más adelante).

Si en la bibliografía afidológica hay dos o más autores con el mismo apellido se dan entre paréntesis las iniciales de los correspondientes nombres de pila.

La fecha de establecimiento de los taxones es la fecha real de publicación. No se consigna la fecha especificada en la obra, aunque el “Código” lo permite (Recomendación 22A.2.3) usando notaciones que informan de ambas fechas, como “1977 (1974)”. La fecha especificada en la obra se facilita de forma suficiente en la referencia bibliográfica (ver a continuación).

Nombres disponibles: referencia bibliográfica

Si el autor del taxón no coincide con el autor del libro o del artículo, la referencia comienza por el nombre del autor del libro o del artículo.

Si el año especificado en la obra no coincide con el año de la publicación, aquél se incluye entre corchetes inmediatamente delante de los dos puntos que preceden a la página.

La notación “[*preprint*]” final del título del libro o del artículo significa que el autor distribuyó una separata del artículo en fecha anterior a la de distribución del libro o revista de la que forma parte, de modo que por ello el género toma fecha de esa distribución y no de la distribución del libro o revista, de acuerdo con lo dispuesto en el artículo 21.8 del “Código”, que dice:

«Antes de 2000, un autor que haya distribuido separatas con anterioridad a la especificada fecha de publicación de la obra en que se publicó el trabajo, adelantó por esa razón la fecha de publicación. [...]».

La referencia bibliográfica se da con el título completo de la revista o del libro. No se proporcionan el título del artículo en la revista ni el título del capítulo del libro si existe.

Los títulos se dan en la lengua usada si ésta utiliza el alfabeto latino. De los títulos escritos en alfabeto cirílico se ha realizado una transliteración de acuerdo con normas al uso por A.V. Stekolshchikov. Si el título está escrito con ideogramas chinos o japoneses la translación fonética ha corrido a cargo de G.-x. Qiao o de M. Sano, respectivamente. Si el título utiliza dos lenguas se ha escogido una de ellas.

Cuando ha sido posible se proporciona el fascículo del volumen de las revistas.

La página única que se menciona es la que figura la ‘indicación’ en el caso de algunos géneros establecidos antes de 1931, o en la que comienza la descripción, aunque ese nombre esté escrito también en alguna página anterior, incluso si está acompañado de caracteres, por ejemplo en un resumen, en una clave, en el pie de una ilustración, en una tabla, en una lista, etc. En los casos en los que hay una descripción implícita en una clave dicotómica, la página que se consigna es aquella en la que aparece el nombre del género, que suele ser al final de ese grupo de párrafos, y no al principio de ellos como suele ser normal en las descripciones formales.

Nombres disponibles: especie tipo

Se facilita el nombre de la especie en su combinación original, con su autor y fecha, la fecha real de publicación. Si el nombre de la especie tipo no es un nombre válido, se facilita el nombre válido actual de esa entidad taxonómica, también en su combinación original, de acuerdo con lo establecido en la recomendación 67B del “Código”, que dice:

«El nombre de una especie tipo debería citarse mediante su binomen original. Si el nombre de la especie tipo se trata usualmente como un nombre inválido, los autores pueden citar también su sinónimo más antiguo».

Se informa del modo de establecimiento del tipo utilizando los términos usados en el “Código”: designación original, monotipia, designación posterior, etc. No obstante lo anterior, en el caso de los nombres nuevos de sustitución y en los nombres consecuencia de una enmienda injustificada, se ha utilizado la expresión “*denoted by*” (en español, indicado —o designado — mediante —o a consecuencia de—), tomada también del propio “Código” artículo 67.8, que dice:

«Especies tipo de táxones nominales de nivel género indicados mediante nuevos nombres de reemplazo (*nomina nova*). Si un autor publica un nuevo nombre del grupo género expresamente como nuevo nombre de reemplazo (*nomen novum*) para un nombre previamente establecido o reemplaza un nombre previamente establecido del grupo género con una enmienda injustificada [Art. 33.2.4], tanto el taxon nominal previo como su reemplazo tienen la misma especie tipo, y la fijación de tipo para uno de ellos se aplica también al otro [...]».

Nombres disponibles: estatus objetivo

Como es conocido, el estatus objetivo se debe a criterios nomenclaturales fijados detalladamente por el “Código” y no varía en función de opciones taxonómicas.

Se informa si el taxón, además de ‘disponible’ (*available*), es ‘potencialmente válido’ u ‘objetivamente inválido’. En el segundo de los casos se da la causa de invalidez, que suele deberse a que el nombre sea sinónimo objetivo posterior u homónimo posterior. En algunos casos se completa la información sobre el estatus objetivo con otros datos de utilidad, como por ejemplo el nombre de sustitución si existe.

Si el taxón es válido objetivo la información continúa, pero si es inválido objetivo la información termina en este punto.

Nombres disponibles: estatus subjetivo, posición taxonómica

El estatus subjetivo y la posición taxonómica obedecen a criterios enteramente taxonómicos y por ello no forman parte de la “Propuesta”. Se incluyen en el “Repositorio” por su evidente interés taxonómico.

Se precisa si el nombre es subjetivamente ‘válido’ o ‘inválido’ y en su caso la causa de invalidez.

La posición taxonómica se precisa únicamente para los taxones que son válidos subjetivos. Si el lector quisiera conocer la posición taxonómica de un taxón inválido deberá buscar la que corresponde a su sinónimo anterior.



LOS NOMBRES INDISPONIBLES

De los nombres indisponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, y a renglón seguido la referencia, y (2) la causa de indisponibilidad.

Para los nombres de los taxones, nombres de los autores, fechas, y referencias bibliográficas vale lo expuesto en los párrafos anteriores.

Las causas de indisponibilidad son algunas de las fijadas en el “Código” (ver más adelante).

No se han consignado las grafías posteriores incorrectas (erratas originales o tipográficas), que se encuentran con frecuencia en la bibliografía afidológica, como en la bibliografía zoológica en general, y que se pueden ver en las mal llamadas listas sinonímicas de tantos trabajos. Algunas de las grafías posteriores incorrectas de géneros de pulgones han sido recogidas en listas de ese tipo e incluso en recopilaciones generales, como el “*Survey*”, pero otras han pasado desapercibidas.

Algunas de esas grafías posteriores incorrectas han sido tenidas por nombres disponibles, debido a que erróneamente alguien entendió que se trataba de enmiendas justificadas, así por ejemplo: “*Schizonevra*” y “*Tetranevra*” atribuidos a Agassiz (1846), “*Pterochlorus*” atribuido a Passerini (1866), “*Rhyzobius*” atribuido a Ferrari (1872) y “*Macrosiphon*” atribuido a Del Guercio (1914) respectivamente de *Schizonevra*, *Tetranevra*, *Pterochlorus*, *Rhizobius* y *Macrosiphum*. Pero en realidad no son tales enmiendas de acuerdo con el artículo 33 del “Código”, que dice:

«33.1. Clases de grafías posteriores. Una grafía posterior de un nombre, si es diferente de la grafía original [Art. 32.1], o bien es una enmienda [Art. 33.2] o bien una grafía posterior incorrecta [Art. 33.3] o bien un cambio obligatorio [Art. 34].

»33.2. Enmiendas. Cualquier cambio intencionado demostrable en la grafía original de un nombre y que no sea un cambio obligatorio, es una “enmienda”, salvo en lo estipulado en el artículo 33.4.

»33.2.1. Un cambio en la grafía original de un nombre puede interpretarse sólo como “demostrablemente intencionado” si en la propia obra o en una fe de erratas de un autor (o editor) hay una declaración explícita de la intención o cuando se mencionan a la vez tanto la grafía original como la modificada y esta última se adopta en lugar de la primera, o si dos o más nombres se tratan de la misma manera en la misma obra.

»33.3. Grafías posteriores incorrectas. Cualquier grafía posterior de un nombre distinta a la grafía original correcta y que no sea un cambio obligatorio o una enmienda, es una “grafía posterior incorrecta”; no es un nombre disponible y, como una grafía original incorrecta [Art. 32.4], no entra en homonimia y no puede usarse como un nombre de sustitución [...].

»33.5. Casos de duda. En cualquier caso de duda respecto de si una grafía posterior diferente es una enmienda o una grafía posterior incorrecta, se debe tratar como una grafía posterior incorrecta (y por tanto no disponible) y no como una enmienda».



INFORMACIONES ADICIONALES

Taxones de nivel género de APHIDOIDEA establecidos: 1330.

Primer taxón de nivel género de APHIDOIDEA establecido (y disponible): *Aphis* Linnaeus, 1758. Último —por el momento— taxón de nivel género de APHIDOIDEA establecido (y disponible): *Gondvanoaphis* Wegierek & Grimaldi, 2010.

Primeros taxones nominales de rango subgénero de APHIDOIDEA establecidos: *Adactynus* Rafinesque, 1918, *Dactynotus* Rafinesque, 1918, y *Loxerates* Rafinesque, 1918; son disponibles pero dudosos.

Dactynotus estuvo en uso durante 38 años. En 1939 Hille Ris Lambers (*Temminckia*, 4: 1–134) consideró que la especie tipo de ese género, *Aphis hieraciumpaniculatum* Rafinesque, 1818, que había sido designada poco antes por Börner & Schilder —véase la entrada correspondiente— debía ser clasificada junto a un grupo de especies de macrosifinos que los taxónomos de hoy clasificamos en el género *Uroleucon* Mordvilko. En 1977 Eastop y Hille Ris Lambers (*Survey of the World's Aphids*) consideraron a *Dactynotus* como inválido, posiblemente porque no podían precisar el significado taxonómico de la especie tipo. Eastop y Hille Ris Lambers, o cualquier otro autor, podrían haber seleccionado un neotipo para *Aphis hieraciumpaniculatum*, dando así un preciso significado taxonómico a la especie y consecuentemente al género, pero no lo hicieron. No vemos ningún motivo práctico para designar ahora tal neotipo, tras 30 años de olvido de *Dactynotus* y de utilización de *Uroleucon* en combinación con más de 230 nombres válidos de especies.

Taxones nominales de nivel género de APHIDOIDEA indisponibles

Taxones indisponibles: 110.

Cantidad de casos, autores implicados y causas de indisponibilidad

Cuatro nombres, debidos a Aizenberg (1954), por encontrarse en una obra no publicada, artículos 8.1.1 y 9.9 del “Código”, que dicen respectivamente:

«[Una obra debe satisfacer los siguientes criterios] debe publicarse con la finalidad de proporcionar un registro científico público y permanente».

«[No obstante las disposiciones del artículo 8, ninguna de las siguientes es una obra publicada en el sentido del Código:] los resúmenes de artículos, de contribuciones, de carteles, de textos de conferencias y de materiales similares que se emita esencialmente para los participantes en reuniones, simposios, coloquios o congresos».

Sesenta y seis nombres, debidos a Amyot (1847, *Méthode mononymique*), por no estar ajustados a la nomenclatura binominal, artículo 11.4, que dice:

«El autor debe haber aplicado de manera consecuente el Principio de la Nomenclatura Binominal [Art. 5.1] en la obra en la que el nombre o acto nomenclatural fue publicado; sin embargo, este artículo no se aplica a la disponibilidad de nombres de táxones en las categorías por encima de nivel familia».

y con la *Opinion* de supresión adoptada por la Comisión Internacional de Nomenclatura Zoológica (China, W.E. [Ed.]. 1963. *Opinion 686. Amyot, Méthode mononymique: placed on the Official Index of rejected and invalid works in Zoological Nomenclature. Bulletin of Zoological Nomenclature*, 20(6): 423).

Cuatro nombres, debidos a Shinji (1927), Del Guercio (1930), Börner (1952) y Richards (1971), por haber sido establecidos en sinonimia, artículo 11.5, no siendo de aplicación lo dispuesto en el artículo 11.6.1, que respectivamente dicen:

«Nombres que deben tratarse como válidos cuando se les propone. Para llegar a estar disponible, un nombre debe usarse como válido para un taxon cuando se le propone [...]».

«[Un nombre que se publicó por primera vez en una obra disponible como un sinónimo más moderno de un nombre usado en ese momento como válido, no queda, por ello, disponible.] Sin embargo, si tal nombre publicado como un sinónimo más moderno hubiese sido tratado antes de 1961 como un nombre disponible o bien adoptado como el nombre de un taxon o bien tratado como un homónimo más antiguo, queda, por ello, disponible pero se fecha por su primera publicación como un sinónimo más moderno (si es un nombre de nivel género véase el Artículo 67.12 para la especie tipo; [...]; véase el Artículo 50.7 para la autoría)».

Cuatro nombres, debidos a Leach (1826), Williams (1891) y Mordvilko (1924, 1929), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación, artículo 12.1, que dice:

«Para estar disponible, todo nombre nuevo publicado antes de 1931 debe satisfacer las disposiciones del Artículo 11 e ir acompañado de una descripción o una definición del taxon que denota, o de una indicación».

Dos nombres, debidos a Mordvilko (1908, 1914), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación (artículo 12.1) y además sin especies válidas incluidas, artículo 12.2.5, que dice:

«[A los efectos de este artículo la palabra “indicación” denota sólo lo siguiente:] en el caso de un nuevo nombre de nivel género, el uso de uno o más nombres específicos disponibles en combinación con él o claramente incluidos en él o claramente referidos a él mediante una referencia bibliográfica, siempre que el o los nombres específicos puedan asignarse sin ambigüedad a uno o varios táxones del grupo especie».

Trece nombres, debidos a Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, tres), Börner (1949, 1952), Pašek (1966, dos), Knowlton (1972) y

A.K. Ghosh (1974, dos), por haber sido establecidos después de 1930 sin descripción verbal, artículo 13.1, que dice:

«Para estar disponible, todo nombre nuevo publicado después de 1930 debe satisfacer las disposiciones del Artículo 11 y debe

- 13.1.1. estar acompañado de una descripción o definición que exponga con palabras los caracteres que supuestamente diferencian el taxon, o
- 13.1.2. estar acompañado de una referencia bibliográfica de una exposición ya publicada, [...], o
- 13.1.3. estar propuesto expresamente como un nuevo nombre de reemplazo (nomen novum) para un nombre disponible, [...].»

Nueve nombres, debidos a Börner (1944, cinco; 1950, dos), Takahashi (1965) y Paik (1972) por haber sido establecidos después de 1930 sin especie tipo, artículo 13.3, que dice:

«Para estar disponible, todo nuevo nombre del grupo género publicado después de 1930 [...] debe, además de satisfacer las disposiciones del artículo 13.1, acompañarse de la fijación de una especie tipo en la publicación original [Art. 68] o proponerse expresamente como un nuevo nombre de reemplazo (nomen novum) [Art. 67.8].»

Cinco nombres, debidos a van der Goor (1915), Matsumura (1917), Shinji (1929, dos) y Özdikem & Demir (2007), por ser grafías originales alternativas no adoptadas por el primer revisor, artículo 19.3, que dice:

«Se considera que las grafías originales alternativas que no hayan sido adoptadas por el Primer Revisor [Art. 24.2] son grafías originales incorrectas y no están disponibles por separado [Art. 32.4].»

Dos nombres, debidos a Mordvilko (1919) y Takahashi (1962), por tratarse de una grafía original sustituida por una grafía posterior en uso predominante y atribuido a la publicación de la grafía original, artículo 33.3.1, que dice:

«si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta.»

Taxones nominales de nivel género de APHIDOIDEA disponibles

Taxones disponibles: 1220.

Taxones disponibles establecidos con rango de subgénero: 151.

Taxones disponibles establecidos con rango de género: 1069.

Cronología

Taxones disponibles establecidos en los primeros 75 años de nomenclatura zoológica linneana (1758–1832): ocho, sólo dos de ellos son entidades taxonómicas admitidas actualmente (tabla G-1).

Taxones disponibles establecidos en los primeros 100 años de nomenclatura linneana (1758–1857): 54 (tabla G-1).

Obsérvese en la tabla la existencia ya en esos años de varias situaciones nomenclaturales (sinonimias objetivas y subjetivas, homonimias, etc.), y considérense la elevada cantidad (27) de géneros establecidos para pulgones clasificados actualmente en ERIOSOMATINAE.

Taxones disponibles establecidos a partir de 1858 (inclusive): 1165 (tabla G-2 y figura G-1).

Hasta 1900 el establecimiento de géneros marchó lentamente y después de esa fecha el ritmo fue rápido aunque variado tanto por años como por decenios; los máximos de establecimientos se alcanzaron en los decenios 1911–1920 y 1961–1970 y los sub-máximos en los decenios 1921–1930 y 1951–1960.

Autorías

Taxones disponibles de autor único: 1046.

Taxones disponibles con autor múltiple, dos a cuatro personas: 174.

Autorías diferentes, considerando también el orden de las personas: 97.

Personas involucradas: 245 (tabla G-3).

Personas más prolíficas, responsables de al menos un 1% de los nombres disponibles (12 nombres ó más): 33, que son responsables aproximadamente del 75% del total de géneros (tabla G-4).

Especies tipo

Taxones disponibles con especie tipo válidamente designada: 1209 (tabla G-5).

Taxones disponibles sin especie tipo: 11, *Aorison*, *Chaitocallipterus*, *Euaulax*, *Halmodaphis*, *Jaxartaphis*, *Neomegoura*, *Orobion*, *Pteriaphis*, *Trichonaphis*, *Tuberculaphis* y *Turanaphis*.

Taxones con especies tipo que son inválidas objetivas (por ser homónimas posteriores): 3, *Hydaphias*, *Rizoberlesia* y *Submacrosiphum*.

Taxones con especies tipo que son validas objetivas, pero inválidas subjetivas (por ser sinónimas subjetivas posteriores): 227.

Taxones con especies tipo que son válidas objetivas y subjetivas: 979.

Taxones nominales del nivel género válidos e inválidos

Taxones inválidos objetivos: 109

5 fueron suprimidos o invalidados por la Comisión Internacional de Nomenclatura Zoológica en uso de poderes plenarios, *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;

1 es *nomen oblitum*, *Phillophorus*;

1 es simultáneamente enmienda injustificada y homónimo posterior, *Microsiphon* Börner;

6 son enmiendas injustificadas, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrosiphon*, *Rhopalosiphon* y *Submacrosiphon*,

3 son simultáneamente homónimos y sinónimos objetivos posteriores, *Anacyrthosiphon* Raychaudhuri (D.N.) *et al.*, *Ferganaphis* Mukhamediev, *Paraneomyzus* Raychaudhuri (D.N.) *et al.*;

60 son homónimos posteriores; y

33 son sinónimos objetivos posteriores.

Taxones potencialmente válidos (válidos objetivos): 1111.

Autores más prolíficos, con 1% al menos de los géneros válidos objetivos (11 géneros): 33 (tabla G-6).

Taxones subjetivamente inválidos: 338.

Taxones subjetivamente válidos: 773.

Taxones subjetivamente válidos, pero sin significado taxonómico reconocido (nombres dudosos, *nomina dubia*): 22, debidos a Del Guercio, Gaumont y Koch (1 género cada uno), a Matsumura, Shinji y Theobald (2 géneros cada uno), y a Rafinesque, Rusanova y Mordvilko (3, 4 y 5 géneros respectivamente).

Taxones subjetivamente válidos y actualmente con significado taxonómico: 751.

La distribución de los géneros válidos subjetivos en los taxones del nivel familia

La cantidad de géneros válidos en cada una de las familias y subfamilias es muy variado (tabla G-7). Treinta y siete géneros se pueden adscribir a un determinado taxon, superfamilia, familia o subfamilia, pero no se pueden incluir en ninguno de sus taxones subordinados, no tienen ubicación exacta (*incertae sedis*).

APHIDINAE es la subfamilia con más géneros, 352 de los 773, el 45,5% del total. Las dos subfamilias siguientes en cantidad de géneros (y subgéneros) son CALAPHIDINAE, con 92, el 11,9%, ERIOSOMATINAE con 76, el 9,8%, HORMAPHIDINAE con 48 alcanza el 6,2%, LACHNINAE con 26 el 3,4%, GREENIDEINAE el 2,9% con 23 y SALTUSAPHIDINAE el 2,1% con 16 géneros y subgéneros.

La comparación de la proporción entre el número de especies válidas y el número de géneros más subgéneros válidos en cada uno de los taxones del grupo familia

nos pueden dar una idea de las “acumulaciones” y “particiones” taxonómicas y la consiguiente necesidad de abordar revisiones globales de los taxones con más especies.

SALTUSAPHIDINAE y CALAPHIDINAE tienen los valores más bajos en la razón *especies válidas* : *géneros válidos*, respectivamente 3,75 y 3,84; ambas subfamilias han sido objeto de recientes revisiones de conjunto. Por el contrario, en APHIDINI y LACHNINAE esos valores son los más altos, respectivamente 18,48 y 14,92. En estos dos taxones se clasifican los dos géneros de pulgones con más especies válidas, respectivamente *Aphis* con 553 y *Cinara* con 241. Börner los escindió en varios géneros más, que no eran fáciles de diferenciar entre sí, quizás porque no reflejaban grupos naturales, y en consecuencia cayeron en desuso y posteriormente en sinonimia. Abordar revisiones taxonómicas globales de ambos géneros es muy incómodo por el elevado número de especies que encuadran y la amplísima distribución mundial que presentan, y al tiempo ambos son tan voluminosos porque han desalentado los trabajos de revisión interna. Los datos numéricos anteriores se han extraído de *Aphid Species File* (<http://Aphid.SpeciesFile.org>).

AVAILABLE NAMES / NOMBRES DISPONIBLES***Abamalekia*** Del Guercio, 1906

Publication reference: Redia, 3: 364.

Described as genus.

Type species: *Abamalekia lazarewi* Del Guercio, 1906; by original designation; junior synonym of *Aphis chinensis* Bell, 1851.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

Absinthaphis Remaudière, 1973

Publication reference: Starý & Remaudière, Entomophaga, 18 (3): 288.

Described as subgenus of *Protaphis* Börner, 1952.

Type species: *Cryptosiphum cinae* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xerobion* Nevsky, 1928.

Abstrusomyzus Jensen & Stoetzel, 1999

Publication reference: Proceedings of the Entomological Society of Washington, 101: 48.

Described as genus.

Type species: *Phorodon phloxae* Sampson, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Abura Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 407.

Described as genus.

Type species: *Abura momocola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae.

Acanthaphis Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 15.

Described as genus.

Type species: *Acanthaphis rubi* Matsumura, 1918; by original designation.

Objective status: Available but invalid — Junior homonym of *Acanthaphis* Del Guercio, 1908 (Hemiptera: Phylloxeridae).

Useful information about the objective status: Replaced by *Matsumuraja* Schumacher, 1921 (*nomen novum*).

Acanthocallis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 6: 367.

Described as genus.

Type species: *Acanthocallis quercicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sinituberculatus* Zhang (W.-y.) & Zhang (G.-x.), 1991.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Acanthotrichaphis Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskij Zhurnal, 3: 45.

Described as genus.

Type species: *Acanthotrichaphis paulisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Acanthotuberculatus Quedau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 49.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus japonicus* Higuchi, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Acanthulipes Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 254

Described as genus.

Type species: *Alphitoaphis carpathica* Börner, 1942; by original designation; junior synonym of *Xenomyzus corticis* Aizenberg, 1935.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

Acaudella Nevsky, 1929

Publication reference: Zoologische Anzeiger, 82: 211.

Described as genus.

Type species: *Acaudella puchovi* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Acaudinum Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 132.

Described as genus.

Type species: *Aphis centaureae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Acaudinum* and *Protacaudinum* Holman, 1991.

Acaudus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 97.

Described as genus.

Type species: *Aphis lychnidis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Aconitaphis Ivanovskaja, 1971

Publication reference: Ivanovskaja & Ostanin, Novye i Maloizvestnye Vidy Fauny Sibiri [Cherepanov (Ed.)], 5: 14.

Described as genus.

Type species: *Aconitaphis salebrosus* Ivanovskaja, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eokakimia* Heie, 1979.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

Acuticauda Hille Ris Lambers, 1956

Publication reference: Bolletino del Laboratorio di Entomologia Agraria Filippo Silvestri di Portici, 14: 292.

Described as genus.

Type species: *Aphis asterensis* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Acutosiphon Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970

Publication reference: Proceedings of the Zoological Society [Calcutta], 23: 84.

Described as genus.

Type species: *Acutosiphon obliquoris* Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Acyrthosiphon Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 75.

Described as genus.

Type species: *Aphis pisi* Kaltenbach, 1843; by original designation; junior synonym of *Aphis pisum* Harris, 1776.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Macchiatiella* Del Guercio, 1917.

Subjective status: Valid — Senior synonym of *Hottesina* Börner, 1950, *Lactucobium* Hille Ris Lambers, 1947, *Macchiatiella* Del Guercio, 1917, *Macrocaudus* Shinji, 1930, *Mirotarsus* Börner, 1939, *Tenuisiphon* Mordvilko, 1948, and *Tlja* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Acyrthosiphon*, *Liporrhinus* Börner, 1939, and *Xanthomyzus* Narzikulov, 1966.

Adactynus Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis pterisaquilinoides* Rafinesque, 1817; by subsequent designation (Börner, 1930: 161).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Afghanaphis Takahashi, 1966

Publication reference: Results of the Kyoto University Scientific Expedition to the Karakoram and Hindukush, 8: 267.

Described as genus.

Type species: *Afghanaphis ulmi* Takahashi, 1966; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818

Agrioaphis Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis myricae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Aiceona Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 85.

Described as genus.

Type species: *Aiceona actinodaphnis* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aiceoninae — With subgenera *Aiceona* and *Subaiceona* Singh & Raychaudhuri (D.N.), 1978.

Aixaphis Heie, 1970

Publication reference: Entomologica Scandinavica, 1: 115.

Described as genus.

Type species: *Tetraneura oligocenica* Theobald, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Akkaia Takahashi, 1919

Publication reference: Konchû Sekai, 23: 439.

Described as genus.

Type species: *Akkaia polygoni* Takahashi, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. — Senior synonym of *Siphonocoryne* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Akkaiopsis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 345.

Described as genus.

Type species: *Akkaiopsis boschophaga* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

Alataumyzus Kadyrbekov, 1993

Publication reference: Zoologicheskii Zhurnal, 72 (1): 48.

Described as subgenus of *Cryptomyzus* Oestlund, 1923.

Type species: *Cryptomyzus (Alataumyzus) malkovskii* Kadyrbekov, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

Aleurodaphis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 239.

Described as genus.

Type species: *Aleurodaphis blumeae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Aleurosiphon Takahashi, 1966

Publication reference: Transactions of the American Entomological Society, 92: 527.

Described as subgenus of *Aphis* Linneaus, 1758.

Type species: *Aphis smilacifoliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Alhambra Gómez-Menor, 1958

Publication reference: Boletín de la Real Sociedad Española de Historia Natural, (Sección Biológica), 55: 404.

Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Dasia* Gómez-Menor, 1951.

Subjective status: Junior synonym of *Protaphis* Börner, 1952.

Allaphis Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 57.

Described as genus.

Type species: *Callaphis caricicola* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 76)]; by subsequent designation (Quednau, 2010: 76), junior synonym of *Thripsaphis producta* Gillette, 1917.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Heterocallis* Quednau, 1966.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

Allarctaphis Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: *Chaitophorus nassonowi* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Alloambria Richards, 1966

Publication reference: Canadian Entomologist, 98: 756.

Described as genus.

Type species: *Alloambria caudata* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

Allocotaphis Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 4.

Described as genus.

Type species: *Neanuraphis quaestionis* Börner, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Malaphis* Shaposhnikov, 1951.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Allothoracaphis Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 8.

Described as genus.

Type species: *Thoracaphis piyananensis* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Allotrichosiphum Takahashi, 1962

Publication reference: *Transactions of the Shikoku Entomological Society*, 7: 70.

Described as genus.

Type species: *Trichosiphum kashicola* Kurisaki, 1920; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Subsequent spelling for *Allotrichosiphon* Takahashi, 1962 in frequent use and attributed to the author in the original work (Article 33.3.1).

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini

Aloephagus Essig, 1950

Publication reference: *Pan-Pacific Entomologist*, 26: 22.

Described as genus.

Type species: *Aloephagus myersi* Essig, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Alphitoaphis Hottes, 1926

Publication reference: *Proceedings of the Biological Society of Washington*, 39: 116.

Described as genus.

Type species: *Aphis lonicericola* Williams, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Amalancon Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 270.

Described as genus.

Type species: *Amalancon lutosus* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Ambopemphigus Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 27.

Described as genus.

Type species: *Ambopemphigus romani* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

Amegosiphon Narzikulov, 1958

Publication reference: Trudy Akademii Nauk Tadzhikskoy SSR, 89: 21.

Described as genus.

Type species: *Rhopalosiphoninus platicaudus* Narzikulov, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Elbourzaphis* Remaudière & Davatchi, 1959.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Amelanchieria Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.

Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis sensoriata* Gillette & Bragg, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

Americaphis Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 97.

Described as genus.

Type species: *Americaphis longipes* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Ammiaphis Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 115.

Described as genus.

Type species: *Aphis sii* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Amphicercidus Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 126.

Described as genus.

Type species: *Aphis pulverulens* Gillette, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ferganaphis* Narzikulov & Mukhamediev, 1975, *Ferganaphis* Mukhamediev, 1976, *Melanosiphum* Shinji, 1942, and *Sogdianella* Mukhamediev, 1965.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Amphorophora MacGillivray, 1958

Publication reference: Temminckia, 10 [reprint]: 11.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Amphorophora crystleae* Smith & Knowlton, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

Amphorophora Buckton, 1876

Publication reference: Monograph of the British Aphides, 1: 187.

Described as genus.

Type species: *Amphorophora ampullata* Buckton, 1876; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eunectarosiphon* Del Guercio, 1913.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Amphorophora* and *Galiaphis* Ossianni-Isson, 1954.

Amphorosiphon Hille Ris Lambers, 1949

Publication reference: *Temminckia*, 8: 242.

Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Delphiniobium pulmonariae* Börner, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Ampullosiphon Heikinheimo, 1955

Publication reference: Suomen Hyonteistieteellinen Aikakauskirja, 21 (1): 5.

Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Amphorophora (Amphorosiphon) stachydis* Heikinheimo, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

Amycla Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 301.

Described as genus.

Type species: *Amycla fuscifrons* Koch, 1857; by subsequent designation (Wilson, 1910: 148); Junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior homonym of *Amycla* Rafinesque, 1815 (Neuroptera), *Amycla* Daubledoy, 1849 (Lepidoptera), and *Amycla* Adams, 1853 (Mollusca)

Useful information about the objective status: Replaced by *Tetraneura* Hartig, 1841.

Anacallis Remaudière, 1982

Publication reference: Annales de la Société Entomologique de France, (N.S.), 18: 386.

Described as subgenus of *Mexicallis* Remaudière, 1982.

Type species: *Anacallis areolatus* Remaudière, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Mexicallis* Remaudière, 1982.

Anacyrthosiphon Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1: 59.

Described as subgenus of *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacyrthosiphon (Pseudoacyrthosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1980.

Useful information about the objective status: Replaced by *Ericolophium* Tao, 1963.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

Anacyrthosiphon Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980

Publication reference: Raychaudhuri (D.N.) [Ed.], *Aphids of North-East India and Bhutan*: 242.

Described as subgenus of *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacyrthosiphon (Pseudoacyrthosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym and junior objective synonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

Anameson Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 63.

Described as genus.

Type species: *Anameson kamtshaticum* Mordvilko, 1914; by subsequent designation (Mordvilko, 1919: 336).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sitobion* Mordvilko, 1914.

Anaulacorthum Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Proceedings of the Zoological Society [Calcutta]*, 25: 93.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Aulacorthum (Anaulacorthum) fagopyri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Anconatus Buckton, 1883

Publication reference: *Monograph of the British Aphides*, 4: 177.

Described as genus.

Type species: *Anconatus dorsuosus* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*.

Andinaphis Mier Durante, Ortego & Nieto Nafría, 1997

Publication reference: Proceedings of the Entomological Society of Washington, 99: 721.

Described as subgenus of *Brachyunguis* Das (B.), 1918.

Type species: *Brachyunguis (Andinaphis) paradoxus* Mier Durante, Ortego & Nieto Nafría, 1997; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Andorracallis Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 50.

Described as genus.

Type species: *Andorracallis pujadei* Quednau, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Aniferella Richards, 1966

Publication reference: Canadian Entomologist, 98: 759.

Described as genus.

Type species: *Aniferella bostoni* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

Anocaudus Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969

Publication reference: Oriental Insects, 3: 328.

Described as genus.

Type species: *Anocaudus taxus* Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

Anochetium Wood-Baker, 1943

Publication reference: Proceedings of the Royal Irish Academia, (B), 49: 140.

Described as genus.

Type species: *Anochetium nondescriptum* Wood-Baker, 1943; by original designation; junior synonym of *Laingia psammae* Theobald, 1922.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Laingia* Theobald, 1922.

***Anoecia* Koch, 1857**

Publication reference: Pflanzenläuse Aphiden, (9): 275.

Described as genus.

Type species: *Aphis corni* Fabricius, 1775; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neanoecia* Börner, 1950, and *Subanoecia* Börner, 1950.

Taxonomic position: Aphididae Anoeciinae — With subgenera *Anoecia* and *Paranoecia* Zwölfer, 1953.

***Anomalaphis* Baker (A.C.), 1920**

Publication reference: Bulletin of the United States Department of Agriculture, 826: 52.

Described as genus.

Type species: *Anomalaphis comperei* Pergande, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Anomalosiphum* Takahashi, 1934**

Publication reference: Stylops, 3: 54.

Described as genus.

Type species: *Anomalosiphum pithecolobii* Takahashi, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Antalus* Adams, 1965**

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 34: 83.

Described as genus.

Type species: *Antalus albatu*s Adams, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterasthenia* Stroyan, 1952.

Anthemidaphis Tashev, 1967

Publication reference: Dokladi na Bulgarskata Akademiya na Naukite, 20 (10): 1069.

Described as genus.

Type species: *Anthemidaphis oligommata* Tashev, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Anthracosiphon Hille Ris Lambers, 1947

Publication reference: Temminckia, 7: 195.

Described as genus.

Type species: *Anthracosiphon hertae* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Anthracosiphoniella Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 169.

Described as genus.

Type species: *Anthracosiphoniella maculatum* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macromyzus* Takahashi, 1960.

Antimacrosiphon Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 233.

Described as genus.

Type species: *Antimacrosiphon bullacaudatum* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Antisymydobius Qiao & Zhang (G.-x.), 2002

Publication reference: Journal of the Kansas Entomological Society, 75 (4): 243.

Described as subgenus of *Symydobius* Mordvilko, 1894.

Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Yezocallis* Matsumura, 1917.

Antonaphis Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 589.

Described as genus.

Type species: *Antonaphis brachycera* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

Anuraphis Del Guercio, 1907

Publication reference: Redia, 4: 191.

Described as genus.

Type species: *Aphis pyri* Koch, 1854; by original designation; junior synonym of *Aphis farfarae* Koch, 1854.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Anuriella Del Guercio, 1921

Publication reference: Redia, 14 [1920]: 113.

Described as genus.

Type species: *Anuriella dorsolineata* Del Guercio, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Anuromyzus Shaposhnikov, 1959

Publication reference: Entomologicheskoe Obozrenie, 38 (1): 156.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dysaphis (Anuromyzus) cotoneasteris* Shaposhnikov, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aorison Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Apathaphis* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 245.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis clematidis* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Aphantaphis* Scudder, 1890**

Publication reference: Report of the United States Geological Survey of the Territories, 13: 253.

Described as genus.

Type species: *Aphantaphis exsua* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Aphidiella* Theobald, 1923**

Publication reference: Entomologist's Monthly Magazine, 59: 105.

Described as genus.

Type species: *Aphidiella secreticauda* Theobald, 1923; by original designation; junior synonym of *Aphis avenae* Fabricius, 1775.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sitobion* Mordvilko, 1914.

***Aphidinius* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 93.

Described as genus.

Type species: *Aphidinius constrictus* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Aphidioides* Motschulsky, 1857**

Publication reference: Études d'Entomologie, 5 [1856]: 29.

Described as genus.

Type species: *Aphidioides succifera* Motschulsky, 1857; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid

Taxonomic position: Aphididae.

Aphidocallis Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 595.

Described as genus.

Type species: *Aphidocallis caudatus* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

Aphidopsis Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 260.

Described as genus.

Type species: *Aphidopsis margarum* Scudder, 1890; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Aphidounguis Takahashi, 1963

Publication reference: Kontyû, 31: 156.

Described as genus.

Type species: *Aphidounguis mali* Takahashi, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Aphidula Nevsky, 1929

Publication reference: Zoologische Anzeiger (Wasmann-Festband), 82: 208.

Described as genus.

Type species: *Aphidula althaeae* Nevsky, 1929; by original designation; junior synonym of *Aphis davletshinae* Hille Ris Lambers, 1966.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Aphidura Hille Ris Lambers, 1956

Publication reference: Bolletino del Laboratorio di Entomologia Agraria Filippo Silvestri di Portici, 14: 293.

Described as genus.

Type species: *Aphidura ornata* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Cerasomyzus* Narzikulov, 1958.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aphiduromyzus Umarov & Ibramova, 1967

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 10 (3): 59.

Described as genus.

Type species: *Aphiduromyzus rosae* Umarov & Ibramova, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aphioides Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28 (footnote).

Described as genus.

Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Aphioides* Rondani, 1848.

Useful information about the objective status: Replacement name (*nomen novum*) for *Cladobius* Koch, 1856. Replaced by *Aristaphis* Kirkaldy, 1905 (*nomen novum*).

Aphioides Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis bursaria* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Pemphigus* Hartig, 1839.

Useful information about the objective status: Senior homonym of *Aphioides* Passerini, 1860.

Aphis Linnaeus, 1758

Publication reference: *Systema Naturae*, editio X: 451.

Described as genus.

Type species: *Aphis sambuci* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 677].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 677: name number 1560].

Subjective status: Valid — Senior synonym of *Apathaphis* Börner, 1952, *Aphidula* Nevsky, 1929, *Asiataphis* Narzikulov, 1970, *Bituberculaphis* Rusanova, 1943, *Brachysiphum* van der Goot, 1913, *Cerosipha* Del Guercio, 1900, *Chaitophoroides* Mordvilko, 1909, *Comaphis* Börner, 1940, *Debilisiphon* Shaposhnikov, 1950, *Doralida* Börner, 1950, *Doralina* Börner, 1940, *Leucosiphon* Börner, 1952, *Longirostrina* Kumar & Burkhardt, 1971, *Longirostris* Kumar & Burkhardt, 1970, *Medoralis* Börner, 1952, *Microsiphon* Del Guercio, 1907, *Papillaphis* Börner, 1952, *Pergandeida* Schouteden, 1903, *Uraphis* Del Guercio, 1907, *Wapuna* Hottes & Wehrle, 1951, and *Weibanaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — With subgenera *Aphis*, *Bursaphis* MacVicar Baker, 1934, *Pseudoprotaphis* Kadyrbekov, 2001, and *Zyxaphis* Knowlton, 1947.

Aphorodon Takahashi, 1961

Publication reference: *Bulletin of the University of Osaka Prefecture*, (Ser. B, Agriculture and Biology), 11: 3.

Described as genus.

Type species: *Myzus polygonifoliae* Shinji, 1944; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

Apthargelia Hottes, 1958

Publication reference: *Proceedings of the Biological Society of Washington*, 71: 43.

Described as genus.

Type species: *Aphis albipes* Oestlund, 1887; denoted by new replacement name (Article 67.8); junior synonym of *Aphis symphoricarpi* Thomas, 1878.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thargelia* Oestlund, 1923.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aplonervoides Zhang (G.-x.), 1992

Publication reference: Zhang (G.x.), Zhong & Zhang (W.-y.), Peng & Liu [Eds.], *Iconography of forest Insects in Hunan (China)*: 138.

Described as genus.

Type species: *Aplonervoides erythrocerus* Zhang (G.-x.), 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nymphaphis* Takahashi, 1960.

Aploneura Passerini, 1863

Publication reference: *Archivo per la Zoologia, l'Anatomia e la Fisiologia di Modena*, 2 (2) [1862]: 201.

Described as genus.

Type species: *Tetranera lentisci* Passerini, 1856; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.

Subjective status: Valid — Senior synonym of *Neorhizobius* Del Guercio 1917, and *Rhizoctonus* Horváth, 1896.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Appelia Börner, 1930

Publication reference: *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 133.

Described as genus.

Type species: *Aphis tragopogonis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Appendiseta Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 75.

Described as genus.

Type species: *Callipterus robiniae* Gillette, 1907; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Apulicallis Barbagallo & Patti, 1991

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 23 (2): 154.

Described as genus.

Type species: *Apulicallis trojanae* Barbagallo & Patti, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Arakawana Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 375.

Described as genus.

Type species: *Arakawana stigmata* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Archeoessigella Sorensen, 1994

Publication reference: Pan-Pacific Entomologist, 70: 21.

Described as subgenus of *Essigella* del Guercio, 1909.

Type species: *Essigella kathleenae* Sorensen, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Essigella* Del Guercio, 1909.

Archilachnus Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 177.

Described as genus.

Type species: *Archilachnus pennatus* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Arctaphis Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis populeti* Panzer, 1801; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Aresha Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 54.

Described as genus.

Type species: *Aresha shelkovnikovi* Mordvilko, 1921; by monotypy; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

Arimakia Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7: 405.

Described as genus.

Type species: *Arimakia araliae* Matsumura, 1917; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

Aristaphis Kirkaldy, 1905

Publication reference: *Canadian Entomologist*, 37: 416.

Described as genus.

Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Aphioides* Passerini, 1860.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

Artemisaphis Knowlton & Roberts, 1947

Publication reference: *Journal of the Kansas Entomological Society*, 20: 27.

Described as genus.

Type species: *Aphis artemisicola* Williams, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Asiataphis Narzikulov, 1970

Publication reference: *Entomologicheskoe Obozrenie*, 49 (2): 362.

Described as genus.

Type species: *Aphis verbasci* Narzikulov, 1970; by original designation; junior synonym of *Aphis verbasci* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Asiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 190.

Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Asiphum* Koch, 1856.

***Asiphonaphis* Wilson & Davis, 1919**

Publication reference: Entomological News, 30: 39.

Described as genus.

Type species: *Asiphonaphis pruni* Wilson & Davis, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Asiphonella* Theobald, 1923**

Publication reference: Bulletin of the Entomological Society of Egypt, 1922: 76.

Described as genus.

Type species: *Asiphonella dactylonii* Theobald, 1923; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Asiphum* Koch, 1856**

Publication reference: Pflanzenläuse Aphiden, (8): 246.

Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; by subsequent designation (Gerstaecker, 1859: 249) & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Asiphon* Börner, 1952.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

Aspidaphis Gillette, 1917

Publication reference: Canadian Entomologist, 49: 196.

Described as genus.

Type species: *Aspidaphis polygoni* Gillette, 1917; by monotypy; junior synonym of *Aphis adjuvans* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Polygonaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aspidaphium Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 81.

Described as genus.

Type species: *Aspidaphium escherichi* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

Aspidophorodon Verma, 1966

Publication reference: Indian Journal of Entomology, 28: 507.

Described as genus.

Type species: *Aspidophorodon harvensis* Verma, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Aspidophoron* and *Eoessigia* David, Rajasingh & Narayaan, 1972.

Astegopteryx Karsch, 1890

Publication reference: Berichte der Deutschen Botanische Gesellschaft, 8: 51.

Described as genus.

Type species: *Astegopteryx styracophila* Karsch, 1890; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Oregma* Buckton, 1893, *Pseudoastegopteryx* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, and *Trichoregma* Takahashi, 1929.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Asterobium Hille Ris Lambers, 1938

Publication reference: Temminckia, 3: 19.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Aphis asteris* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

Atarsaphis Takahashi, 1958

Publication reference: Kontyû, 26 (4): 181.

Described as genus.

Type species: *Atarsaphis quercus* Takahashi, 1958; by original designation; junior synonym of *Hamamelistes agrifoliae* Ferris, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Atarsos Gillette, 1911

Publication reference: Entomological News, 22: 440.

Described as genus.

Type species: *Atarsos grindeliae* Gillette, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Atheroides Haliday, 1838

Publication reference: Annals and Magazine of the Natural History, 2 (9): 189.

Described as genus.

Type species: *Atheroides serrulatus* Haliday, 1839; by subsequent designation (Kirkaldy, 1906: 10).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Corealachus* Paik, 1971.

Taxonomic position: Aphididae Chaitophorinae Siphini.

Aulacophora Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 175.

Described as genus.

Type species: *Amphorophora formosana* Takahashi, 1923; by original designation.

Objective status: Available but invalid — Junior homonym of *Aulacophora* Dejean, 1835 (Coleoptera), and *Aulacophora* Jeffreys, 1882 (Mollusca).

Useful information about the objective status: Replaced by *Aulacophoroides* Tao, 1976 (*nomen novum*).

Aulacphoroides Tao, 1976

Publication reference: Eastop & Hille Ris Lambers, Survey of the World's Aphids: 99.

Described as genus.

Type species: *Amphorophora formosana* Takahashi, 1923; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Aulacphora* Tao, 1963.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aulacorthum Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 68.

Described as genus.

Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 27) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomacrosiphum* van der Goot, 1915.

Subjective status: Valid — Senior synonym of *Dysaulacorthum* Börner, 1939, *Neomacrosiphum* van der Goot, 1915, and *Pseudomegoura* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Aulacorthum*, and *Perillaphis* Takahashi, 1965.

Avicennina Narzikulov, 1957

Publication reference: Entomologicheskoe Obozrenie, 36 (3): 676.

Described as genus.

Type species: *Avicennina sogdiana* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Bacillaphis Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: *Saltusaphis ornata* Theobald, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Subsaltusaphis* Quednau, 1952.

Baizongia Rondani, 1848

Publication reference: *Nuovi Annali delle Scienze Naturali di Bologna*, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis pistaciae* Linnaeus, 1767; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Dasia* van der Goot, 1918.

Subjective status: Valid — Senior synonym of *Dasia* van der Goot, 1918, and *Pemphigella* Tullgren, 1909.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Baizongiella Blanchard (E.E.), 1944

Publication reference: *Acta Zoológica Lilloana*, 2: 44.

Described as genus.

Type species: *Baizongiella solanophila* Blanchard (E.E.). 1944; by monotypy; junior synonym of *Pemphigus canadensis* Del Guercio, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Balticaphis Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 160.

Described as genus.

Type species: *Balticaphis exsiccata* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae.

Baltichaitophorus Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 180.

Described as genus.

Type species: *Baltichaitophorus jutlandicus* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Baltichaitophorinae.

Balticomaraphis Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 167.

Described as genus.

Type species: *Balticomaraphis latens* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Balticorostrum Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 77.

Described as subgenus of *Germaraphis* Heie, 1967.

Type species: *Germaraphis (Balticorostrum) oblonga* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae — Subgenus of *Germaraphis* Heie, 1967.

Belochilum Börner, 1931

Publication reference: Börner & Schilder, *Aphidoidea* [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 630.

Described as genus.

Type species: *Siphonophora inulae* Ferrari, 1872; by monotypy & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1909.

Berberidaphis Narzikulov, 1960

Publication reference: *Doklady Akademii Nauk Tadzhikskoy SSR*, 3 (2): 31.

Described as genus.

Type species: *Liosomaphis lydiae* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Berendtaphis Heie, 1971

Publication reference: *Deutsche Entomologische Zeitschrift*, (N.F.), 18 (1-3): 262.

Described as genus.

Type species: *Lachnus cimicoides* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

Betacallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 110.

Described as genus.

Type species: *Betacallis alnicolens* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Betulaphis Glendenning, 1926

Publication reference: Canadian Entomologist, 58: 96.

Described as genus.

Type species: *Betulaphis occidentalis* Glendenning, 1926; by original designation; junior synonym of *Aphis quadrituberculata* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Biamoaphis Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 485.

Described as genus.

Type species: *Biamoaphis antiqua* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

Bicaudella Rusanova, 1943

Publication reference: Izvestiya Azerbaidjanskogo Filiala Akademii Nauk SSSR, 4: 32.

Described as genus.

Type species: *Bicaudella astragalensis* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Bipersona Hottes, 1926

Publication reference: Proceedings of the Biological Society of Washington, 39: 115.

Described as genus.

Type species: *Aphis torticauda* Gillette, 1907; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Bituberculaphis Rusanova, 1943

Publication reference: Izvestiya Azerbaidjanskogo Filiala Akademia Nauk SSSR, 4: 29.

Described as genus.

Type species: *Bituberculaphis inexpectata* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Blanchardaphis Ortego, Nieto Nafría & Mier Durante, 1998

Publication reference: Boletín de la Asociación Española de Entomología, 22 (1-2): 230.

Described as genus.

Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Blanchardia* Ortego, Nieto Nafría & Mier Durante, 1997.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Blanchardia Ortego, Nieto Nafría & Mier Durante, 1997

Publication reference: Canadian Entomologist, 129: 1094.

Described as genus.

Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; by original designation.

Objective status: Available but invalid — Junior homonym of *Blanchardia* Castelnau, 1875 (Actinopterygii), *Blanchardia* Buchecker, 1880 (Lepidoptera), *Blanchardia* Wierzejski, 1890 (Protozoa), *Blanchardia* Brongniart, 1893 (Protoephemeroptera), *Blanchardia* Blatchley, 1910 (Coleoptera), *Blanchardia* Gedroye 1915 (Hirudinea).

Useful information about the objective status: Replaced by *Blanchardaphis* Ortego, Nieto Nafría & Mier Durante, 1998 (*nomen novum*).

Boernerina Bramstedt, 1940

Publication reference: Anzeiger für Schädlingskunde, 16: 13.

Described as genus.

Type species: *Boernerina depressa* Bramstedt, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Boernerinella* Hille Ris Lambers & Hottes, 1962.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Boernerinella Hille Ris Lambers & Hottes, 1962

Publication reference: Entomologische Berichten [Amsterdam], 22: 112.

Described as subgenus of *Boernerina* Bramstedt, 1940.

Type species: *Boernerina (Boernerinella) occidentalis* Hille Ris Lambers & Hottes, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Boernerina* Bramstedt, 1940.

Boisduvalia Signoret, 1868

Publication reference: Annales de la Soci t  Entomologique de France, (ser. 4), 8: 400.

Described as genus.

Type species: *Coccus lataniae* Boisduval, 1867; by original designation.

Objective status: Available but invalid — Junior homonym of *Boisduvalia* Robineau-Desvoisy, 1830 (Diptera).

Useful information about the objective status: Replaced by *Cerataphis* Lichtenstein, 1882.

Bolshayanoecia Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 478.

Described as genus.

Type species: *Bolshayanoecia rasnitsyni* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

Boreamyzus Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 590.

Described as subgenus of *Ericaphis* B rner, 1939

Type species: *Ovatus latifrons* B rner, 1942; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* B rner, 1939.

Bozhkoja Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chati SSSR, 1: 592.

Described as subgenus of *Brevicoryne* Das (B.), 1915.

Type species: *Brevicoryne crambe* Bozhko, 1950; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brevicoryne* Das (B.), 1915.

Brachycaudina Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 132.

Described as genus.

Type species: *Aphis napelli* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Brachycaudus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 97.

Described as genus.

Type species: *Aphis myosotidis* Koch, 1854; by original designation; junior synonym of *Aphis helichrysi* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoacaudus* Theobald, 1927.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Brachycaudus*, *Acaudus* van der Goot, 1913, *Appelia* Börner, 1930, *Brachycaudina* Börner, 1950, *Mordvilkomemor* Shaposhnikov, 1950, *Nevskyaphis* Shaposhnikov, 1950, *Prunaphis* Shaposhnikov, 1964, and *Scrophulaphis* Andreev, 1982.

Brachycolus Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 146.

Described as genus.

Type species: *Aphis stellariae* Hardy, 1850; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachycoryne Aizenberg, 1935

Publication reference: Zapiski Bolshevskoy Biologicheskoy Stanzii, 7-8: 157.

Described as genus.

Type species: *Brachycolus asparagi* Mordvilko, 1929; by original designation.

Objective status: Available but invalid — Junior homonym of *Brachycoryne* Mabill, 1883 (Lepidoptera).

Useful information about the objective status: Replaced by *Brachycorynella* Aizenberg, 1954 (*nomen novum*).

Brachycorynella Aizenberg, 1954

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obshchestva, 45: 154.

Described as genus.

Type species: *Brachycolus asparagi* Mordvilko, 1929; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Brachycoryne* Aizenberg, 1935.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachymyzus Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 223.

Described as genus.

Type species: *Brachymyzus jasmini* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachysiphoniella Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 61.

Described as genus.

Type species: *Brachycolus gramini* Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachysiphum van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 105.

Described as genus.

Type species: *Aphis thalictri* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Brachyunguis Das (B.), 1918

Publication reference: Memoirs of the Indian Museum, 6: 227.

Described as genus.

Type species: *Brachyunguis harmalae* Das (B.), 1918; by subsequent designation (Börner & Schilder, 1930: 183).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Parabrachyunguis* Remaudière & Davatchi, 1955.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — With subgenera *Brachyunguis* and *Xerophilaphis* Nevsky, 1928.

Bradyaphis Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 46.

Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Monaphis* Walker, 1870.

Braggia Gillette & Palmer, 1929

Publication reference: Annals of the Entomological Society of America, 22: 28.

Described as genus.

Type species: *Braggia echinata* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Brasilaphis Mordvilko, 1930

Publication reference: Doklady Akademii Nauk SSSR, (A), 1930: 278.

Described as genus.

Type species: *Brasilaphis bondari* Mordvilko, 1930; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

Brevicaudus Shaposhnikov, 1964

Publication reference: Entomologicheskoe Obozrenie, 43 (1): 151.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis amygdalinus* Schouteden, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

Brevicornaphis Hille Ris Lambers, 1956

Publication reference: Mitteilungen der Entomologischen Gesellschaft Basel, 29 (4): 381.

Described as genus.

Type species: *Brevicorynaphis schneideri* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smiela* Mordvilko, 1948.

Brevicoryne Das (B.), 1915

Publication reference: van der Goot, Beiträge zur Kenntnis der Holländischen Blattläuse. Eine Morphologisch-systematische Studie: 245.

Described as genus.

Type species: *Aphis brassicae* Linnaeus, 1758; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Bozhkoja* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brevicorynella Nevsky, 1929

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Serie VIII-a, Zoologija), 3: 21.

Described as genus.

Type species: *Brevicorynella quadrimaculata* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brevisiphonaphis Stekolshchikov & Qiao, 2008

Publication reference: Zootaxa, 1714: 37.

Described as genus.

Type species: *Brevisiphonaphis hirsutissima* Stekolshchikov & Qiao, 2008; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brevitrichosiphon Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: Kontyû, 41: 54.

Described as genus.

Type species: *Brevitrichosiphon mukerjii* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

Brysocrypta Westwood, 1840

Publication reference: An introduction to the modern classification of Insects, vol II: 118.

Described as genus.

Type species: *Eriosoma ulmigallarum* Haliday, 1838; by original designation; junior synonym of *Tetraneura ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior objective synonym of *Brysocrypta* Haliday, 1838. Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2048].

Buchneria Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 242.

Described as genus.

Type species: *Aphis pectinatae* Nördlinger, 1880; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Bucktonia Lichtenstein, 1896

Publication reference: Monographie des Pucerons du Peuplier: 17.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus affinis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thecabius* Koch, 1857.

Bursaphis MacVicar Baker, 1934

Publication reference: Anales del Instituto de Biología de la Universidad Nacional de México, 5: 217.

Described as genus.

Type species: *Bursaphis solitaria* MacVicar Baker, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.

Burundiaphis Remaudière, 1985

Publication reference: Remaudière & Autrique [Eds.], Etude FAO Production Végétal et Protection des Plantes, 64: 176.

Described as genus.

Type species: *Burindiaphis autriquei* Remaudière, 1985; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Byrsocrypta Haliday, 1838

Publication reference: Annals and Magazine of the Natural History, 2 (9): 190.

Described as genus.

Type species: *Eriosoma ulmigallarum* Haliday, 1838; by subsequent designation (Fitch, 1855: 711); Junior synonym of *Tetraneura ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2047]. Replaced by *Tetraneura* Hartig, 1841.

Byrsocryptoides Dzhibladze, 1960

Publication reference: Trudy Instituta Zoologii Akademii Nauk Gruzinskoy SSR, 17: 234.

Described as genus.

Type species: *Byrsocryptoides zelkovae* Dzhibladze, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Cachryphora Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 132.

Described as genus.

Type species: *Rhopalosiphum serotinae* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Calaphis Walsh, 1862

Publication reference: Proceedings of the Entomological Society of Philadelphia, 1: 301.

Described as genus.

Type species: *Calaphis betulella* Walsh, 1862; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2294].

Subjective status: Valid — Senior synonym of *Kallistaphis* Kirkaldy, 1905, *Neocallipterus* van der Goot, 1915, and *Siphonocallis* Del Guercio, 1914.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Californicallis Quednau & Remaudière, 1994

Publication reference: Canadian Entomologist, 126: 310.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis agrifolicola* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Callaphis Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by original designation.

Objective status: Available but invalid — Suppressed by the International Commission on Zoological Nomenclature, 1985 [Opinion 1358].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 1358; name number 2171]; see *Panaphis* Kirkaldy, 1904.

Callipterinella van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 118.

Described as genus.

Type species: *Aphis betularia* Kaltenbach, 1843; by original designation; junior synonym of *Aphis tuberculata* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Procalaphis* Quednau, 1954.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Callipterinola Strand, 1928

Publication reference: Archiv für Naturgeschichte, (A), 92 (8) [1926]: 47.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by original designation.

Objective status: Available but invalid — Junior objective synonym of

Panaphis Kirkaldy, 1904, and of *Callipterus* Koch, 1855.

Callipteroides Mordvilko, 1909

Publication reference: *Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk*, 13 (4) [1908]: 377.

Described as genus.

Type species: *Aphis nigratarsis* von Heyden, 1837; by original designation; junior synonym of *Aphis punctipennis* Zetterstedt, 1828.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

Callipterus Koch, 1855

Publication reference: *Pflanzenläuse Aphiden*, (7): 208.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by subsequent designation (Passerini, 1860: 29).

Objective status: Available but invalid — Junior homonym of *Callipterus* Agassiz, 1847 (Coleoptera).

Useful information about the objective status: Replaced by *Panaphis* Kirkaldy, 1904.

Camelaphis Hille Ris Lambers, 1974

Publication reference: *Bolletino di Zoologia Agraria e di Bachicoltura*, (ser. 2), 11 [1972-1973]: 34.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Camelaphis) cornutus* Richards, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberculatus* Mordvilko, 1894.

Canadaphis Essig, 1937

Publication reference: *Carpenter, University of Toronto Studies in Geology Series*, 40: 19.

Described as genus.

Type species: *Canadaphis carpenteri* Essig, 1937; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

Canaphis Heie, 2006

Publication reference: *Insect Systematics and Evolution*, 37 [2005]: 93.

Described as genus.

Type species: *Canaphis albertensis* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

Capitophoraphis Blanchard (E.E.), 1944

Publication reference: Acta Zoológica Lilloana, 2: 34.

Described as genus.

Type species: *Capitophoraphis williamsoni* Blanchard (E.E.), 1944; by original designation; junior synonym of *Aphis rufomaculata* Wilson, 1908.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

Capitophorinus Börner, 1931

Publication reference: Anzeiger für Schädlingkunde, 7: 129.

Described as subgenus of *Capitophorus* van der Goot, 1913.

Type species: *Capitophorus similis* van der Goot, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Capitophorus* van der Goot, 1913.

Capitophorus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Aphis carduina* Walker, 1850; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Capitophorinus* Börner, 1931.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Capitosiphon Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 76.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Macrosiphum crenicornum* Smith & Knowlton, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

Capraphis Mier Durante, Ortego & Nieto Nafría, 2009

Publication reference: Annales de la Société Entomologique de France, 45 (1): 94.

Described as genus.

Type species: *Capraphis blackmani* Mier Durante, Ortego & Nieto Nafría,

2009; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Caricaphis Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 128.

Described as genus.

Type species: *Chaitophorus flabellus* Sanborn, 1904; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Iziphya* Nevsky, 1929.

Caricosipha Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 77.

Described as genus.

Type species: *Caricosipha paniculatae* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini.

Carolinaia Wilson, 1911

Publication reference: Canadian Entomologist, 43: 61.

Described as genus.

Type species: *Carolinaia caricis* Wilson, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Carolinaia*, *Glabromyzus* Richards, 1960, and *Juncomyzus* Hille Ris Lambers, 1965

Casimira Eastop, 1966

Publication reference: Australian Journal of Zoology, 14: 485.

Described as genus.

Type species: *Aphis canberrae* Eastop, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Castaneomyzocallis Quednau & Remaudière, 1987

Publication reference: Canadian Entomologist, 119: 339.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Aphis castaneae* Fitch, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —
Subgenus of *Myzocallis* Passerini, 1860.

Castanocallis Zhang (G.-x.) & Zhong, 1981

Publication reference: Zoological Research, 2 (4): 343.

Described as genus.

Type species: *Castanocallis castanocallis* Zhang (G.-x.) & Zhong, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nippocallis* Matsumura, 1917.

Catamergus Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 141.

Described as genus.

Type species: *Nectarophora fulvae* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cataneura Scudder, 1890

Publication reference: United States Geological Survey of the Territories, 13: 245.

Described as genus.

Type species: *Cataneura absens* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Cavahyalopterus Mimeur, 1942

Publication reference: Bulletin de la Societé de Sciences Naturelles du Maroc, 21 [1941]: 67.

Described as genus.

Type species: *Cavahyalopterus graminearum* Mimeur, 1942; by original designation; junior synonym of *Brachycolus noxius* Kurdjumov, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Diuraphis* Aizenberg, 1935.

Cavariellia Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10 (7-8): 810.

Described as subgenus of *Cavariella* Del Guercio, 1911.

Type species: *Cavariella hillerislammersi* Ossiannilsson, 1959; by original designation; junior synonym of *Siphocoryne aquatica* Gillette & Bragg, 1916.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini; Subgenus of *Cavariella* Del Guercio, 1911.

Cavariellopsis Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10: 808.

Described as genus.

Type species: *Cavariella saxifragae* Remaudière, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

Cavariella Del Guercio, 1911

Publication reference: Redia, 7: 323.

Described as genus.

Type species: *Aphis pastinacae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Cavariellopsis* Heinze, 1960, *Corynosiphon* Mordvilko, 1914, *Metaphis* Matsumura, 1918, *Neocavariella* Shinji, 1932, and *Nipposiphum* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Cavariella*, *Cavariellia* Heinze, 1960, and *Cavariellinepicauda* Ivanovskaja, 1980.

Cavariellinepicauda Ivanovskaja, 1980

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 14: 84.

Described as genus.

Type species: *Cavariella longicauda* Ivanovskaja, 1978; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cavariella* Del Guercio, 1911.

Cedoaphis Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of

Minnesota: 127.

Described as genus.

Type species: *Cedoaphis incognita* Hottes & Frison, 1931; by subsequent designation (Hottes & Frison, 1931: 438).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cedrobium Remaudière, 1954

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 33: 116.

Described as genus.

Type species: *Cedrobium laportei* Remaudière, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Cinara* Curtis, 1835.

Cepgillettea Granovsky, 1928

Publication reference: Proceedings of the Entomological Society of Washington, 30: 114.

Described as genus.

Type species: *Cepgillettea betulaefoliae* Granovsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Cerasomyzus Narzikulov, 1958

Publication reference: Trudy Akademii Nauk Tadzhikskoy SSR, 89: 21.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Cerasomyzus) bozhkoae* Narzikulov, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphidura* Hille Ris Lambers, 1956.

Cerataphis Lichtenstein, 1882

Publication reference: Annales de la Société Entomologique de France, (ser. 6, Bull.), 2: XVI.

Described as genus.

Type species: *Coccus lataniae* Boisduval, 1867; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Boisduvalia* Signoret, 1868.

Subjective status: Valid — Junior synonym of *Boisduvalia* Signoret, 1868 (an invalid name).

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Ceratocallis Qiao & Zhang (G.-x.), 1999

Publication reference: *Entomotaxonomia*, 21 (2): 111.

Described as genus.

Type species: *Ceratocallis camellis* Qiao & Zhang (G.-x.), 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Ceratoglyphina van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 235.

Described as genus.

Type species: *Ceratoglyphina bambusae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Ceratopemphiella Menon & Pawar, 1958

Publication reference: Proceedings of the 53rd Indian Scientific Congress, 3: : 348.

Described as genus.

Type species: *Ceratopemphiella delhieinsis* Menon & Pawar, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Ceratopemphigus Schouteden, 1905

Publication reference: *Spolia Zeylandica*, 2: 187.

Described as genus.

Type species: *Ceratopemphigus zehntneri* Schouteden, 1905; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Ceratovacuna* Zehntner, 1897**

Publication reference: Mededelingen van het Proefstation Oost-Java (Nieuwe Serie), 37: 29.

Described as genus.

Type species: *Ceratovacuna lanigera* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Cerciaphis* Theobald, 1920**

Publication reference: Bulletin of Entomological Research, 11: 70.

Described as genus.

Type species: *Cerciaphis bougainvilleae* Theobald, 1920; by monotypy; junior synonym of *Setaphis lutea* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schoutedenia* Rübsaamen, 1905.

***Ceriferella* Carver & Martyn, 1965**

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 34: 38.

Described as genus.

Type species: *Ceriferella leucopogonis* Carver & Martyn, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Cerosipha* Del Guercio, 1900**

Publication reference: Nuove Relazioni intorno ai lavori della Regia Stazione di Entomologia Agraria di Firenze, (ser. 1), 2: 116.

Described as genus.

Type species: *Cerosipha passeriniana* Del Guercio, 1900; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Ceruraphis* Börner, 1926**

Publication reference: Abderhalden, Handbuch der Biologischen Arbeitsmethoden, volume 9, 1, 2 (2): 226.

Described as genus.

Type species: *Aphis viburnicola* Börner 1916; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN; Junior

synonym of *Aphis eriophori* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoceruraphis* Shaposhnikov, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cervaphis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 148.

Described as genus.

Type species: *Cervaphis schouteniae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Diverosiphum* Shinji, 1922.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

Ceylonia Buckton, 1891

Publication reference: Cotes, Indian Economical Entomology Miscellaneous Notes, 2 (1): 35.

Described as genus.

Type species: *Ceylonia theaecola* Buckton, 1891; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

Chaetogeica Remaudière & Tao, 1957

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 36: 226.

Described as genus.

Type species: *Pemphigella foliodentata* Tao, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Selibaizongia* Zhang (G.-x.), 1995.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Chaetomyzus Ghosh (A.K.) & Raychaudhuri (D.N.), 1962

Publication reference: Journal of the Asiatic Society, 4: 104.

Described as genus.

Type species: *Chaetomyzus rhododendri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Chaetophorella Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Chaitophorus lyropictus* Kessler, 1886; by original designation & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior synonym of *Chaitophorinus* Börner, 1930.

Chaetophoria Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Chaitophorus xanthomelas* Koch, 1854; by original designation; junior synonym of *Aphis aceris* Linnaeus, 1761.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

Chaetosiphella Hille Ris Lambers, 1939

Publication reference: Zoologische Mededelingen [Leiden], 22 (1-2): 84.

Described as genus.

Type species: *Sipha berleseii* Del Guercio, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini.

Chaetosiphon Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 71.

Described as genus.

Type species: *Capitophorus chaetosiphon* Nevsky, 1928; by subsequent designation (Börner, 1930: 175).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Chaetosiphon*, *Chaitomyzus* Takahashi, 1960, and *Pentatrichopus* Börner, 1930.

Chaitaphis Nevsky, 1928

Publication reference: Entomologische Mitteilungen [Berlin-Dahlem], 17 (3): 197.

Described as genus.

Type species: *Chaitaphis tenuicauda* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Chaitocallipterus Theobald, 1927

Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 329.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Aphididae.

Chaitogenophorus Zhang (G.-x.), Qiao & Chen, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 245.

Described as genus.

Type species: *Chaitogenophorus yuzhongensis* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Chaitomyzus Takahashi, 1960

Publication reference: Kontyû, 28: 223.

Described as genus.

Type species: *Chaitomyzus hirticornis* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

Chaitophoraphis Shinji, 1923

Publication reference: Dôbutsugaku Zasshi, 35: 307.

Described as genus.

Type species: *Chaitophoraphis acerifloris* Shinji, 1923; by monotypy; junior synonym of *Yamatocallis hirayamae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Yamatocallis* Matsumura, 1917.

Chaitophorinella van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 112.

Described as genus.

Type species: *Phyllophorus testudinatus* Thornton, 1853; by monotypy; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Junior objective synonym of *Phillophorus* Thornton, 1853.

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

Chaitophorinus Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 126.

Described as genus.

Type species: *Chaitophorus lyropictus* Kessler, 1866; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Chaetophorella* Börner, 1940.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

Chaitophoroides Mordvilko, 1909

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 382.

Described as genus.

Type species: *Aphis lantanae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Chaitophorus Koch, 1854

Publication reference: Pflanzenläuse Aphiden, (1): 1.

Described as genus.

Type species: *Chaitophorus leucomelas* Koch, 1854; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 1161].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1161; name number 2108].

Replacement name for *Micrella* Essig, 1912.

Subjective status: Valid — Senior synonym of *Allarctaphis* Börner, 1949, *Arctaphis* Walker, 1870, *Dichaitophorus* Shinji, 1927, *Eichochoaitophorus* Essig, 1912, *Micrella* Essig, 1912, *Neothomasia* Baker (A.C.), 1920, *Promicrella* Börner, 1949, *Pseudomicrella* Börner, 1949, *Thomasiniellula* Strand, 1917, and *Tranaphis* Walker, 1870.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Chaitoregma Hille Ris Lambers & Basu (A.N.), 1966

Publication reference: Entomologische Berichten [Amsterdam], 26: 15.

Described as genus.

Type species: *Oregma tattakana* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Chakrabartiaphis Remaudière, 2001

Publication reference: *Revue Française d'Entomologie*, (N.S.), 23: 224.

Described as genus.

Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Tubicauda* Chakrabarti & Bhattacharya, 1982.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Chelymorpha Clarke, 1858

Publication reference: *Microscope*: 114.

Described as genus.

Type species: *Chelymorpha phyllophora* Clarke, 1858; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Junior homonym of *Chelymorpha* Dejean, 1835 (Coleoptera) and *Chelymorpha* Blanchard, 1845 (Coleoptera).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

Chileaphis Essig, 1953

Publication reference: *Proceedings of the California Academy of Science*, (4), 28: 63.

Described as genus.

Type species: *Chileaphis michelbacheri* Essig, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae — Subgenus of *Neophyllaphis* Takahashi, 1920.

Chitinosiphon Yuan & Xue, 1992

Publication reference: *Entomotaxonomia*, 14 (4): 269.

Described as genus.

Type species: *Chitinosiphon abdomenigrum* Yuan & Xue, 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Radiaphis* Pashchenko, 2000, and *Radcisiphum* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Chomaphis Mordvilko, 1928

Publication reference: Filip'ev [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*: 204.

Described as genus.

Type species: *Chomaphis mira* Mordvilko, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Chondrillobium Bozhko, 1961

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obshchestva*, 48: 19.

Described as genus.

Type species: *Chondrillobium junceae* Bozhko, 1961; by original designation; junior synonym of *Hyalopteroides blattnyi* Pintera, 1959.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Chosoniella Szelegiewicz, 1980

Publication reference: *Annales Zoologici [Warszawa]*, 35: 424.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella myohyangsani* Szelegiewicz, 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

Chromaphis Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2001.

Described as genus.

Type species: *Lachnus juglandicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Chromocallis Takahashi, 1961

Publication reference: Kontyû, 29: 253.

Described as genus.

Type species: *Chromaphis nirecola* Shinji, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Chuansicallis Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 217.

Described as genus.

Type species: *Chuansicallis chengtuensis* Tao, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sinotherioaphis* Zhang (G.-x.), 1980.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Chucallis Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 221.

Described as genus.

Type species: *Myzocallis bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Chusiphuncula Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Chen, Entomologia Sinica, 5: 117.

Described as genus.

Type species: *Chusiphuncula sorbarisucta* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cinara Curtis, 1835

Publication reference: British Entomology, 12: No. 576.

Described as genus.

Type species: *Aphis pini* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature; Opinions 398 and 399.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 990].

Subjective status: Valid — Senior synonym of *Buchneria* Börner, 1952, *Cinarella* Hille Ris Lambers, 1948, *Cinarellia* Börner, 1952, *Cinaria* Börner, 1939, *Cinarina* Börner, 1939, *Cinaropsis* Börner, 1939, *Dinolachnus* Börner, 1940, *Indocinara* Ghosh (A.K.), Basu (R.C.) & D.N. Raychaudhuri (D.N.), 1969, *Lachniella* Del Guercio, 1909, *Laricaria* Börner, 1949, *Mecinaria* Börner, 1949, *Neochmosis* Laing, 1929, *Pityaria* Börner, 1949, *Subcinara* Börner, 1949, and *Todolachnus* Matsumura, 1917.

Taxonomic position: Aphididae Lachninae Eulachnini — With subgenera *Cinara*, *Cedrobium* Remaudière, 1954, and *Cupressobium* Börner, 1940.

Cinarella Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as genus.

Type species: *Cinara laricicola* Börner, 1939; by original designation; junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available but invalid — Junior homonym of *Cinarella* Hille Ris Lambers, 1948.

Useful information about the objective status: Replaced by *Cinarellia* Börner, 1949 (*nomen novum*).

Cinarella Hille Ris Lambers, 1948

Publication reference: Transactions of the Royal Entomological Society of London, 99: 275.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Lachnus pineus* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Cinarella* Börner, 1949.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Cinarellia Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 41.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Cinara laricicola* Börner, 1939; denoted by new replacement name (Article 67.8); junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen*

novum) for *Cinarella* Börner, 1949.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Cinaria Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 15.

Described as genus.

Type species: *Aphis pini* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Cinara* Curtis, 1835.

Useful information about the objective status: Name placed in the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 399; name number 415].

Cinaria Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Aphis laricis* Walker, 1848; by original designation; junior synonym of *Lachnus laricis* Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Cinarina Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Lachnus viridescens* Cholodkovsky, 1898; by original designation; junior synonym of *Lachnus piceicola* Cholodkovsky, 1896.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Cinaropsis Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Lachnus pinicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Cladobius Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 251.

Described as genus.

Type species: *Aphis populea* Kaltenbach, 1843; by monotypy.

Objective status: Available but invalid — Junior homonym of *Cladobius* Chevrolat, 1843 (Coleoptera).

Useful information about the objective status: Replaced by *Aphioides* Passerini, 1860 (*nomen novum*).

Clavigerus Szépligeti, 1883

Publication reference: Rovartani Lapokban, 1: 4, 19 footnote.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Melanoxanthus* Buckton, 1879, and *Melanoxantherium* Schouteden, 1901.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

Clavisiphon Del Guercio, 1930

Publication reference: Redia, 19: 500.

Described as subgenus of *Anuraphis* Del Guercio, 1907.

Type species: *Rhopalosiphum elegans* Ferrari, 1872; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eucarazzia* Del Guercio, 1921.

Clavosiphum Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34 (407): 790.

Described as genus.

Type species: *Clavosiphum adenocauli* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15); Junior synonym of *Rhopalosiphum tiliae* Matsumura, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

Clethrobius Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 181.

Described as genus.

Type species: *Callipterus giganteus* Cholodkovsky, 1899; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Clydesmithia Danielsson, 1990

Publication reference: Entomologica Scandinavica, 20 [1989]: 429.

Described as genus.

Type species: *Clydesmithia canadensis* Danielsson, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Clypeoaphis Soliman, 1937

Publication reference: Entomologist's Monthly Magazine, 73: 181.

Described as genus.

Type species: *Clypeoaphis suaedae* Soliman, 1937; by original designation; junior synonym of *Longicaudus suaedae* Mimeur, 1934.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Codonopsimyzus Lee (S.H.), 2002

Publication reference: Canadian Entomologist, 134: 634.

Described as genus.

Type species: *Codonopsimyzus sasammi* Lee, 2002; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Colopha Monell, 1877

Publication reference: Canadian Entomologist, 9: 102.

Described as genus.

Type species: *Byrsocrypta ulmicola* Fitch, 1859; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Colophella* Börner, 1926, and *Sinocolopha* Tao, 1970.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Colophella Börner, 1926

Publication reference: Abderhalden, Handbuch der Biologischen Arbeitsmethoden, vol. 9, 1, 2 (2): 233.

Described as genus.

Type species: *Tetraneura graminis* Monell, 1882; by monotypy; junior synonym of *Byrsocrypta ulmicola* Fitch, 1859.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Colopha* Monell, 1877.

Colophina Börner, 1931

Publication reference: Börner & Schilder, Aphidoidea [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 671.

Described as genus.

Type species: *Pemphigus clematicola* Takahashi, 1924; by monotypy; junior synonym of *Pemphigus clematis* Shinji, 1922.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Coloradoa Wilson, 1910

Publication reference: Annals of the Entomological Society of America, 3: 323.

Described as genus.

Type species: *Aphis rufomaculata* Wilson, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Capitophoraphis* Blanchard (E.E.), 1944, *Eurhopalosiphum* Shinji, 1942, *Lidaja* Börner, 1952, *Neaphis* Nevsky, 1929, and *Stephensonia* Das (B.), 1918.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Comaphis Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Doralis corniella* Hille Ris Lambers, 1935; by original designation; junior synonym of *Aphis salicariae* Koch, 1855.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Conicaudus Heie, 1972

Publication reference: Steenstrupia, 2: 255.

Described as genus.

Type species: *Conicaudus longipes* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

Corealachus Paik, 1971

Publication reference: Korean Journal of Entomology, 1: 1.

Described as genus.

Type species: *Corealachus suwonensis* Paik, 1971; by original designation; junior synonym of *Atheroides serrulatus* Haliday, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Atheroides* Haliday, 1837.

Cornaphis Gillette, 1913

Publication reference: Annals of the Entomological Society of America, 6: 491.

Described as genus.

Type species: *Cornaphis populi* Gillette, 1913; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Corylobium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 71.

Described as genus.

Type species: *Aphis avellanae* Schrank, 1801; by subsequent designation (Mordvilko, 1928: 193).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Corynosiphon Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 73.

Described as genus.

Type species: *Aphis capreae* Fabricius, 1775; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

Cotoneasteria Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 584.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dentatus microsiphon* Nevsky, 1929; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

Cranaphis Takahashi, 1939

Publication reference: The Philippine Journal of Science, 69 (1): 28.

Described as genus.

Type species: *Myzocallis formosana* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Crataegaria Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 582.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Aphis crataegi* Kalténbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

Cretacallis Shaposhnikov, 1979

Publication reference: *Entomologicheskoe Obozrenie*, 58: 730.

Described as genus.

Type species: *Cretacallis polysensoria* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Cretamyzus Heie, 1992

Publication reference: Heie & Pike, *Canadian Entomologist*, 124: 1030.

Described as genus.

Type species: *Cretamyzus pikei* Heie, 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Cretamyzidae.

Cryptaphis Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 296.

Described as genus.

Type species: *Cryptaphis setiger* Hille Ris Lambers, 1947; by original designation; junior synonym of *Aphis poae* Hardy, 1850.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neodecorosiphon* Heinze, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cryptomyzus Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 139.

Described as genus.

Type species: *Aphis ribis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzella* Börner, 1930.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Cryptomyzus*, *Alataumyzus* Kadyrbekov, 1993, *Ampullosiphon* Heikinheimo, 1955, and *Phlomimyzus* Narzikulov & Daniyarova, 1979.

***Cryptosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 95.

Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Cryptosiphum* Buckton, 1879.

***Cryptosiphum* Buckton, 1879**

Publication reference: Monograph of the British Aphides, 2: 144.

Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Cryptosiphon* Börner, 1932.

Subjective status: Valid — Senior synonym of *Pseudolachnus* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Crypturaphis* Silvestri, 1935**

Publication reference: Bollettino del Laboratorio di Zoologia Generale e Agraria di Portici, 28: 290.

Described as genus.

Type species: *Crypturaphis grassii* Silvestri, 1935; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

***Ctenocallis* Klodnitsky, 1924**

Publication reference: Trudy Vserossiyskogo Entomo-Fitopatologicheskogo S'ezda: 61.

Described as genus.

Type species: *Ctenocallis dobrovljanskyi* Klodnitsky, 1924; by original

designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Gentnera* Essig, 1952, and *Oniscomyzus* Börner, 1942.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Ctenopteryx Zhang (G.-x.) & Qiao, 2003

Publication reference: Pan-Pacific Entomologist, 79: 145.

Described as genus.

Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; by original designation.

Objective status: Available but invalid — Junior homonym of *Ctenopteryx* Flash, 1889 (Coleoptera) and *Ctenopteryx* Pfeffer, 1900 (Mollusca).

Useful information about the objective status: Replaced by *Ktenopteryx* Qiao & Zhang (G.-x.), 2003 (*nomen novum*).

Cuernavaca MacVicar Baker, 1934

Publication reference: Anales del Instituto de Biología de la Universidad Nacional de México, 5: 210.

Described as genus.

Type species: *Cuernavaca mexicana* MacVicar Baker, 1934; by original designation.

Objective status: Available but invalid — Junior homonym of *Cuernavaca* Kirkaldy, 1913 (Hemiptera, Auchenorrhyncha).

Useful information about the objective status: Replaced by *Diuraphis* Aizenberg, 1935.

Cupressobium Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 1.

Described as genus.

Type species: *Aphis juniperi* De Geer, 1773; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Cinara* Curtis, 1835.

Cyrtomorphodon Zhang (G.-x.) & Qiao, 2000

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 25: 54.

Described as genus.

Type species: *Cyrtomorphodon cyrtomophitum* Qiao & Zhang (G.-x.), 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Cyrtomyzus Gredina, 1995

Publication reference: Far Eastern Entomologist, 14: 2.

Described as genus.

Type species: *Cyrtomyzus pedicularis* Gredina, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prunomyzus* Hille Ris Lambers & Rogerson, 1942.

Dactynotus Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis hieraciumpaniculatum* Rafinesque, 1818; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Sometimes used with a similar taxonomic sense to *Uroleucon* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Dasia Gómez-Menor, 1951

Publication reference: EOS (Revista Española de Entomología), vol. extraord. 1950: 98.

Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; by original designation.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles) and of *Dasia* van der Goot, 1918.

Useful information about the objective status: Replaced by *Alhambra* Gómez-Menor, 1958 (*nomen novum*).

Dasia van der Goot, 1918

Publication reference: Das (B.), Memoirs of the Indian Museum: 152.

Described as genus.

Type species: *Pemphigus aedificator* Buckton, 1839; by original designation; junior synonym of *Aphis pistaciae* Linnaeus, 1767.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles).

Useful information about the objective status: Replaced by *Baizongia* Rondani, 1848.

Dasyaphis Takahashi, 1938

Publication reference: *Tenthredo*, 2: 13.

Described as genus.

Type species: *Tuberocarpus onigurumi* Shinji, 1932; denoted by new replacement name (Article 67.8); junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Echinaphis* Mordvilko, 1929, and (*nomen novum*) for *Tuberocarpus* Shinji, 1932.

Subjective status: Valid — Senior synonym *Sinocallis* Tseng & Tao, 1938. Junior synonym of *Echinaphis* Mordvilko, 1929 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Davatchiaphis Remaudière, 1964

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*, 43: 63.

Described as genus.

Type species: *Davatchiaphis persicus* Remaudière, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Davidsonia Essig, 1912

Publication reference: *Pomona College Journal of Entomology*, 4: 827.

Described as genus.

Type species: *Fullawayia saliciradicis* Essig, 1912; by monotypy.

Objective status: Available but invalid — Junior homonym of *Davidsonia* Bouchard-Chantreaux, 1849 (Brachiopoda, extinct).

Useful information about the objective status: Replaced by *Fullawayia* Essig, 1912 (*nomen novum*).

Davisia Del Guercio, 1909

Publication reference: *Redia*, 5 [1908]: 185.

Described as subgenus of *Lachnus* Burmeister, 1835.

Type species: *Aphis caryae* Harris, 1841; by subsequent designation (Eastop & Hille Ris Lambers, 1976: 171).

Objective status: Available but invalid — Junior objective synonym of *Longistigma* Wilson, 1909.

Debilisiphon Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 226.

Described as genus.

Type species: *Debilisiphon umbelliferarum* Shaposhnikov, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Decorosiphon Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Decorosiphon corynothrix* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Defractsiphon Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 10.

Described as genus.

Type species: *Defractsiphon franzi* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Delphiniobium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: *Rhopalosiphum aconiti* van der Goot, 1912; by monotypy; junior synonym of *Myzus junackianus* Karsch, 1887.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Dentatus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 198.

Described as genus.

Type species: *Aphis sorbi* Kaltenbach, 1843; by monotypy.

Objective status: Available but invalid — Junior homonym of *Dentatus* Gray, 1847 (Mollusca).

Useful information about the objective status: Replaced by *Pomaphis* Börner, 1939.

Dermaphis Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 9.

Described as genus.

Type species: *Dermaphis japonensis* Takahashi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Desiforda Zhang (G.-x.), Qiao & Chen, 1999

Publication reference: Zhang (G.-x.) [Ed.], *Fauna of Agricultural and Forestry Aphids of Northwest China*: 162.

Described as genus.

Type species: *Desiforda echnochloapha* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Diatomyzus Heie, 1970

Publication reference: *Meddelelser fra Dansk Geologisk Forening*, 20: 163.

Described as genus.

Type species: *Diatomyzus eoceanicus* Heie, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

Dichaitophorus Shinji, 1927

Publication reference: *Bulletin of the Morioka Imperial College of Agriculture and Forestry*, 11: 48.

Described as genus.

Type species: *Chaitophorus saliniger* Shinji, 1924; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Kock, 1854.

Dielecymsura Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 65.

Described as genus.

Type species: *Aphis millefolii* De Geer, 1773; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

Dilachnus Baker (A.C.), 1919

Publication reference: Canadian Entomologist, 51: 253.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Dilachnus* Fairmaire, 1896 (Coleoptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Wilsonia* Baker (A.C.), 1919. Replaced by *Panimerus* Laing, 1926 (*nomen novum*).

Dimelaphis Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 295.

Described as genus.

Type species: *Dimelaphis obtusifalcata* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Dimeraphis Becker-Migdisova, 1973

Publication reference: Paleontologicheskii Zhurnal, 3: 87.

Described as subgenus of *Electrocallis* Heie, 1967.

Type species: *Electrocallis (Dimeraphis) arnoldii* Becker-Migdisova, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Electrocallis* Heie, 1967.

Dinaphis Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskii Zhurnal, 3: 43.

Described as genus.

Type species: *Dinaphis multisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Dinipponaphis Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 3.

Described as genus.

Type species: *Nipponaphis autumnus* Monzen, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Dinolachnus Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 1.

Described as genus.

Type species: *Lachniella cecconii* Del Guercio, 1909; by original designation; junior synonym of *Lachnus confinis* Koch, 1856.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Diphorodon Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 79.

Described as subgenus of *Phorodon* Passerini, 1860.

Type species: *Phorodon cannabis* Passerini, 1860; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paraphorodon* Tseng & Tao, 1938.

Diphyllaphis Takahashi, 1960

Publication reference: Kontyû, 28 (1): 12.

Described as genus.

Type species: *Phloeomyzus konarae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae — With subgenera *Diphyllaphis* and *Nymphaphis* Takahashi, 1960.

Diprocephilus Zhang (G.-x.) & Qiao, 1999

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 24: 393.

Described as genus.

Type species: *Diprocephilus allivorus* Zhang (G.-x.), Qiao & Zhao, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Distylaphis Noordam, 1991

Publication reference: Zoologische Verhandelingen [Leiden], 270: 154.

Described as genus.

Type species: *Schizoneuraphis foliorum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Ditrichosiphon Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 8.

Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.

Type species: *Eutrichosiphum elongatum* Takahashi, 1940; by original designation; junior synonym of *Paratrichosiphon niitakaensis* Takahashi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

Diuraphis Aizenberg, 1935

Publication reference: Zapiski Bolchevskoy Biologicheskoy Stanzii, 7-8: 157.

Described as genus.

Type species: *Brachycolus noxius* Kurdjumov, 1913; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Cuernavaca* MacVicar Baker, 1934.

Subjective status: Valid — Senior synonym of *Cavahyalopterus* Mimeur, 1941 — Junior synonym of *Cuernavaca* MacVicar Baker, 1934 (an invalid name).

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Diuraphis* and *Holcaphis* Hille Ris Lambers, 1939.

Diverosiphum Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 791.

Described as genus.

Type species: *Diverosiphum kunugii* Shinji, 1922; by original designation; junior synonym of *Cervaphis quercus* Takahashi, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cervaphis* van der Goot, 1917.

Divium Pashchenko, 2000

Publication reference: Entomologicheskoe Obozrenie, 79 (4): 848.

Described as subgenus of *Uroleucon* Mordvilko, 1914.

Type species: *Uroleucon (Divium) ambiguum* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

***Dominicaphis* Heie & Poinar, 1999**

Publication reference: Proceedings of the Entomological Society of Washington, 101: 816.

Described as genus.

Type species: *Dominicaphis succini* Heie & Poinar, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Dongbeiaphis* Hong, 2002**

Publication reference: Amber Insect of China: 48.

Described as genus.

Type species: *Dongbeiaphis furvis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Doralida* Börner, 1950**

Publication reference: Neue Europäische Blattlausarten: 8.

Described as subgenus of *Pergandeida* Schouteden, 1903.

Type species: *Aphis loti* Kaltenbach, 1862; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Doralina* Börner, 1940**

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Aphis frangulae* Kaltenbach, 1845.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Doralis* Leach, 1826**

Publication reference: Risso, Histoire Naturelle des Principales Productions de l'Europe Méridionale, 5: 217.

Described as genus.

Type species: *Aphis dauci* Fabricius, 1775; by monotypy.

Objective status: Available but invalid — Suppressed by the International

Commission on Zoological Nomenclature [Opinion 646].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 646; name number 1586]; Sometimes used with a similar taxonomic sense to a part of *Aphis* Linnaeus, 1758.

Doraphis Matsumura & Hori, 1929

Publication reference: Hori, Sapporo Hakubutsu Gakkai Kaihō, 10 (2): 112.

Described as genus.

Type species: *Doraphis populi* Matsumura & Hori, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paracerataphis* Mordvilko, 1929.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Drepanaphis Del Guercio, 1909

Publication reference: Rivista di Patologia Vegetale (Pavia), (N.S.), 4 (4): 49.

Described as genus.

Type species: *Siphonophora acerifoliae* Thomas, 1878; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Phymatosiphum* Davis, 1909.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae — With subgenera *Drepanaphis* and *Shenahweum* Hottes & Frison, 1931.

Drepaniella Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 188.

Described as genus.

Type species: *Aphis viciae* Kaltenbach, 1843; by original designation; junior synonym of *Megoura viciae* Buckton, 1876.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Megoura* Buckton, 1876.

Drepanochaitophorus Zhang (G.-x.) & Hong, 1999

Publication reference: Entomologia Sinica, 6: 128.

Described as genus.

Type species: *Drepanochaitophorus fushunensis* Zhang (G.-x.) & Hong, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Drepanochaitophoridae.

Drepanosiphon Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 59.

Described as genus.

Type species: *Aphis platanoidis* Schrank, 1801; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Drepanosiphum* Koch, 1855.

Drepanosiphoniella Davatchi, Hille Ris Lambers & Remaudière, 1957

Publication reference: Tijdschrift voor Entomologie, 100: 125.

Described as genus.

Type species: *Drepanosiphoniella aceris* Davatchi, Hille Ris Lambers & Remaudière, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Drepanosiphum Koch, 1855

Publication reference: Pflanzenläuse Aphiden, (7): 201.

Described as genus.

Type species: *Aphis platanoidis* Schrank, 1801; by subsequent designation (Mordvilko, 1909: 379).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Drepanosiphon* Börner, 1931.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Dryaphis Kirkaldy, 1904

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Lachnus* Burmeister, 1835.

Useful information about the objective status: Replacement name (*nomen novum*) for *Dryobius* Koch, 1855.

***Dryobius* Koch, 1855**

Publication reference: Pflanzenläuse Aphiden, (7): 225.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by subsequent designation (Kirkaldy, 1905: 418).

Objective status: Available but invalid — Junior homonym of *Dryobius* Le Conte, 1850 (Coleoptera). Junior objective synonym of *Lachnus* Burmeister, 1835.

Useful information about the objective status: Replaced by *Dryaphis* Kirkaldy, 1904 (*nomen novum*).

***Dryomyzus* Hille Ris Lambers, 1948**

Publication reference: Transactions of the Royal Entomological Society of London, 99: 285.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis (Dryomyzus) glandulosus* Hille Ris Lambers, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzocallis* Passerini, 1860.

***Dryopeia* Kirkaldy, 1904**

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Endeis bella* Koch, 1857; denoted by new replacement name (Article 67.8); junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Endeis* Koch, 1857.

Subjective status: Junior synonym of *Tetraneura* Hartig, 1841.

***Durocapillata* Knowlton, 1927**

Publication reference: Annals of the Entomological Society of America, 20: 229.

Described as genus.

Type species: *Durocapillata utahensis* Knowlton, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Dysaphis* Börner, 1931**

Publication reference: Anzeiger für Schädlingkunde, 7: 9.

Described as genus.

Type species: *Aphis angelicae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Crataegaria* Shaposhnikov, 1964, *Neodysaphtis* Narzikulov, 1961, and *Umbelliferaria* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Dysaphis*, *Cotoneasteria* Shaposhnikov, 1964, and *Pomaphis* Börner, 1939.

***Dysaulacorthum* Börner, 1939**

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 82.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Aulacorthum (Dysaulacorthum) langei* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aulacorthum* Mordvilko, 1914.

***Eastopiella* Kadyrbekov, 2001**

Publication reference: Tethys Entomological Research, 3: 93.

Described as genus.

Type species: *Brachyunguis evansi* Kadyrbekov, 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Echinaphis* Cockerell, 1913**

Publication reference: Canadian Entomologist, 45: 229.

Described as genus.

Type species: *Echinaphis rohweri* Cockerell, 1913; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Echinaphis* Mordvilko, 1929.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Echinaphis* Mordvilko, 1929**

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 35.

Described as genus.

Type species: *Echinaphis ussuriensis* Mordvilko, 1929; by original designation; junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available but invalid — Junior homonym of *Echinaphis* Cockerell, 1913.

Useful information about the objective status: Replaced by *Dasyaphis* Takahashi, 1938.

Eichinaphis Narzikulov, 1963

Publication reference: Trudy Pamirskoy Biologicheskoy Stantsii Akademii Nauk Tadzhikskoy SSR, 1: 259.

Described as genus.

Type species: *Eichinaphis pamirica* Narzikulov, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Eichochoitophorus Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 715.

Described as genus.

Type species: *Eichochoitophorus populifolii* Essig, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Elatobium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Aphis abietina* Walker, 1849; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomyzaphis* Theobald, 1926.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Elbourzaphis Remaudière & Davatchi, 1959

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 38: 135.

Described as genus.

Type species: *Elbourzaphis behboudii* Remaudière & Davatchi, 1959; by original designation; junior synonym of *Rhopalosiphoninus platicaudus* Narzikulov, 1953.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amegosiphon* Narzikulov, 1958.

***Electrocallis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis* 26: 147.

Described as genus.

Type species: *Electrocallis bakeri* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Electrocornia* Heie, 1972**

Publication reference: *Steenstrupia*, 2: 249.

Described as genus.

Type species: *Electrocornia antiqua* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Electromyzus* Heie, 1972**

Publication reference: *Steenstrupia*, 2: 250.

Described as genus.

Type species: *Electromyzus acutirostris* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Endeis* Koch, 1857**

Publication reference: *Pflanzenläuse Aphiden*, (9): 312.

Described as genus.

Type species: *Endeis bella* Koch, 1857; by subsequent designation (Kirkaldy, 1904: 279); Junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior homonym of *Endeis* Philippi, 1843 (Pantopoda).

Useful information about the objective status: Replaced by *Dryopeia* Kirkaldy, 1904 (*nomen novum*).

***Eocallites* Hong, 2002**

Publication reference: *Amber Insect of China*: 65.

Described as genus.

Type species: *Eocallites mallicaudatus* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Eocylindrites Hong, 2002

Publication reference: Amber Insect of China: 50.

Described as genus.

Type species: *Eocylindrites curtirostrales* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Eoessigia David, Rajasingh & Narayanan, 1972

Publication reference: Oriental Insects, 6: 35.

Described as genus.

Type species: *Eoessigia indica* David, Rajasingh & Narayanan, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Raychaudhuriella* Chakrabarti, 1978.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Aspidophorodon* Verma, 1966.

Eokakimia Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 20.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Dactynotus wahinkae* Hottes, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aconitaphis* Ivanovskaja, 1971.

Eomacrosiphon Hille Ris Lambers, 1958

Publication reference: MacGillivray, Temminckia, 10 [reprint]: 24.

Described as genus.

Type species: *Macrosiphum nigromaculosum* MacDougall, 1926; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Eomakrosoura Hong, 2002

Publication reference: Amber Insect of China: 76.

Described as genus.

Type species: *Eomakrosoura expansirostrata* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

Eomyzus Takahashi, 1960

Publication reference: Kontyû, 28: 227.

Described as genus.

Type species: *Myzus nipponicus* Moritsu, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Micromyzodium* David, 1959.

Eonaphis Essig, 1957

Publication reference: Naturaliste Malgache, 9: 287.

Described as genus.

Type species: *Eonaphis pauliani* Essig, 1957; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

Eophloeomyzus Hong, 2002

Publication reference: Amber Insect of China: 45.

Described as genus.

Type species: *Eophloeomyzus longitarsus* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Eotinocallis Quednau, 2003

Publication reference: Memoirs of the American Entomological Institute, 72: 51.

Described as subgenus of *Tinocallis* Matsumura, 1919.

Type species: *Lachnus platani* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Tinocallis* Matsumura, 1919.

Eotrama Hille Ris Lambers, 1969

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 42 (3): 181.

Described as genus.

Type species: *Eotrama moerickei* Hille Ris Lambers, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini.

Epameibaphis Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 132.

Described as genus.

Type species: *Aphis frigidae* Oestlund, 1886; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Ephedraphis Hille Ris Lambers, 1959

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 32 (2-3): 279.

Described as genus.

Type species: *Anuraphis ephedrae* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Epipemphigus Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 204.

Described as genus.

Type species: *Pemphigus imaicus* Cholodkovsky, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sanpupemphigus* Chang, 1979.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Ericaphis Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.

Described as subgenus of *Myzaphis* van der Goot, 1913.

Type species: *Myzaphis ericae* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Boreamyzus* Shaposhnikov, 1964, *Fimbriaphis* Richards, 1959, and *Placoaphis* Richards, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Ericobium MacGillivray, 1958

Publication reference: Temminckia, 10 [reprint]: 9.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Amphorophora azaleae* Mason, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Illinoia* Wilson, 1910.

***Ericolophium* Tao, 1963**

Publication reference: Taiwan Plant Protection Bulletin, 5: 187.

Described as genus.

Type species: *Macrosiphum itoe* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, *Neoacyrthosiphon* Tao, 1963, and *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eriosaphis* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 99.

Described as genus.

Type species: *Eriosaphis leei* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Eriosoma* Leach, 1818**

Publication reference: Transactions of the Royal Horticultural Society of London, 3 (1): 60.

Described as genus.

Type species: *Eriosoma mali* Leach, 1818; by original designation; junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Afghanaphis* Takahashi, 1966, *Georgiaphis* Maxson & Hottes, 1926, *Mimaphidus* Rondani, 1848, *Myzoxylon* Berthold, 1827, and *Schizoneura* Hartig, 1839.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Eriosomaphis* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 100.

Described as genus.

Type species: *Eriosomaphis jesperii* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

Essigella Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale (Pavia)*, (N.S.), 3: 329.

Described as genus.

Type species: *Lachnus californicus* Essig, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — With subgenera *Essigella*, *Archeoessigella* Sorensen, 1994, and *Lambersella* Sorensen, 1994.

Euaulax Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 67.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Eucallipterus Schouteden, 1906

Publication reference: *Annales de la Societ  Entomologique de Belgique*, 50: 31.

Described as genus.

Type species: *Aphis tiliae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Eucarazzia Del Guercio, 1921

Publication reference: *Redia*, 14 [1920]: 135.

Described as genus.

Type species: *Eucarazzia picta* Del Guercio, 1921; by original designation; junior synonym of *Rhopalosiphum elegans* Ferrari, 1872.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Clavisiphon* Del Guercio, 1930.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Euceraphis Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2001.

Described as genus.

Type species: *Aphis punctipennis* Zetterstedt, 1828; by designation under the

plenary powers by the International Commission on Zoological Nomenclature [Opinion 640].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 640; name number 1489]. Replacement name for *Leptopteryx* Zetterstedt, 1837.

Subjective status: Valid — Senior synonym of *Callipteroides* Mordvilko, 1909, *Mimocallis* Matsumura, 1919, and *Quippelachnus* Oestlund, 1923; Junior synonym of *Leptopteryx* Zetterstedt, 1837 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Eulachnus Del Guercio, 1909

Publication reference: Redia, 5 [1908]: 238.

Described as genus.

Type species: *Lachnus agilis* Kaltenbach, 1843; by subsequent designation (Wilson, 1911: 54).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 748; name number 1689].

Subjective status: Valid — Senior synonym of *Protolachnus* Theobald, 1915.

Taxonomic position: Aphididae Lachninae Eulachnini.

Eumaerosiphum Shinji, 1932

Publication reference: Ishii (Y.) [Ed.], Engei Shokubutsu no Byôgaityû: 245.

Described as genus.

Type species: *Eumaerosiphum viciae* Shinji, 1932; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Eumyzus Shinji, 1929

Publication reference: Lansania, 1: 111.

Described as genus.

Type species: *Aphis impatiensae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Eunectarosiphon Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 188.

Described as genus.

Type species: *Aphis rubi* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amphorophora* Buckton, 1876.

Eurhopalosiphum Shinji, 1942

Publication reference: Konchû Sekai, 46: 98.

Described as genus.

Type species: *Eurhopalosiphum kondoi* Shinji, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

Eurythaphis Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: *Aphis tanaceticola* Kaltenbach, 1845; by subsequent designation (Mordvilko, 1928: 191); Junior synonym of *Aphis tanacetii* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

Euschizaphis Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 26: 324.

Described as subgenus of *Schizaphis* Börner, 1931.

Type species: *Aphis palustris* Theobald, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — Subgenus of *Schizaphis* Börner, 1931.

Euthoracaphis Takahashi, 1938

Publication reference: Tenthredo, 2: 14.

Described as subgenus of *Thoracaphis* van der Goot, 1917.

Type species: *Thoracaphis umbellulariae* Essig, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Eutrichosiphum Essig & Kuwana, 1918

Publication reference: Proceedings of the California Academy of Science, 8: 97.

Described as genus.

Type species: *Trichosiphum pasaniae* Okajima, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevitrichosiphon* Raychaudhuri

(D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973, *Goodea* Shinji, 1922, *Holotrichosiphon* Raychaudhuri (D.N.), 1956, *Neopartrichosiphum* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962, *Neotrichosiphum* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973, and *Partrichosiphum* Takahashi, 1931.

Taxonomic position: Aphididae Greenideinae Greenideini. With subgenera *Eutrichosiphum*, and *Ditrichosiphon* Raychaudhuri (D.N.), 1956.

***Evallocotaphis* Zhang (G.-x.), 1998**

Publication reference: Zhang (G.-x.) & Qiao, *Entomotaxonomia*, 20 (1): 33.

Described as genus.

Type species: *Evallocotaphis lutescens* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzodium* Börner, 1950.

***Expansaphis* Hong & Wang, 1990**

Publication reference: Shandong Bureau of Geology and Mineral Resources: 77.

Described as genus.

Type species: *Expansaphis ovata* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Fagiphagus* Smith, 1974**

Publication reference: Technical Bulletin of the North Carolina Agricultural Experiment Station, 226: 14.

Described as genus.

Type species: *Eriosoma imbricator* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Grylloprociphilus* Smith & Pepper, 1968.

***Ferganaphis* Mukhamediev, 1976**

Publication reference: Eastop & Hille Ris Lambers, *Survey of the World's Aphids*: 198.

Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym and junior objective synonym of *Ferganaphis* Narzikulov & Mukhamediev, 1975.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sogdianella* Mukhamediev, 1965.

Ferganaphis Narzikulov & Mukhamediev, 1975

Publication reference: Izvestiya Akademii Nauk Tadzhikskoy SSR. Otdelenie Biologicheskikh Nauk, 1: 108.

Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sogdianella* Mukhamediev, 1965. Senior homonym and objective synonym of *Ferganaphis* Mukhamediev, 1976.

Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

Ferusaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 397.

Described as genus.

Type species: *Ferusaphis xanthinae* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Fimbriaphis Richards, 1959

Publication reference: Canadian Entomologist, 91: 248.

Described as genus.

Type species: *Fimbriaphis fimbriata* Richards, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

Fitchiella Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.

Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis crataegifoliae* Fitch, 1851; by original designation.

Objective status: Available but invalid — Junior homonym of *Fitchiella* van Duzee, 1917 (Hemiptera Issidae [or Caliscelidae]).

Useful information about the objective status: Replaced by *Nearctaphis* Shaposhnikov, 1950.

Flabellomicrosiphum Gillette & Palmer, 1932

Publication reference: Annals of the Entomological Society of America, 25: 472.

Described as genus.

Type species: *Chaitophorus tridentatae* Wilson, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Floraphis Tsai & Tang, 1946

Publication reference: Transactions of the Royal Entomological Society of London, 97: 416.

Described as genus.

Type species: *Floraphis meitanensis* Tsai & Tsang, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

Foeniaphis Zhang (G.-x.) & Qiao, 1998

Publication reference: Qiao & Zhang (G.-x.), Acta Zootaxonomica Sinica, 23 (4): 268.

Described as genus.

Type species: *Foeniaphis oblongisensoria* Qiao & Zhang (G.-x.), 1998; by original designation; junior synonym of *Neochromaphis coryli* Takahashi, 1961.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neochromaphis* Takahashi, 1921.

Forda von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem Gebiete der Beschreibenden Naturforschenden Gesellschaf, 2 (3): 291.

Described as genus.

Type species: *Forda formicaria* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Namaforda* Zhang (G.-x.), 1997, *Pentaphis* Horváth, 1896, and *Rhizoterus* Hartig, 1841.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Fordona Mordvilko, 1935

Publication reference: Ergebnisse und Fortschritte der Zoologie, 8: 141.

Described as genus.

Type species: *Fordona italica* Mordvilko, 1935; by original designation; junior synonym of *Paracletus cimiciformis* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

Formosaphis Takahashi, 1925

Publication reference: Agricultural Experimental Station of the Government of

Formosa Report, 16: 52.

Described as genus.

Type species: *Formosaphis micheliae* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Fossilicallis Heie, 2002

Publication reference: Mainzer Naturwissenschaftliches Archiv, 40: 117.

Described as genus.

Type species: *Fossilicallis antiquus* Heie, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Francoa Del Guercio, 1917

Publication reference: Redia, 12 (1-2) [1916]: 197.

Described as genus.

Type species: *Francoa elegans* Del Guercio, 1916; by original designation;
junior synonym of *Aphis rosarum* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzaphis* van der Goot, 1913.

Fullawaya Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 716.

Described as genus.

Type species: *Fullawaya saliciradicis* Essig, 1912; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Davidsonia* Essig, 1912.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

Fullawayella Del Guercio, 1911

Publication reference: Redia, 7: 462.

Described as genus.

Type species: *Macrosiphum kirkaldyi* Fullaway, 1910; by original designation;
junior synonym of *Idiopterus nephrolepidis* Davis, 1909.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Idiopterus* Davis, 1909.

***Furvaphis* Hong, 2002**

Publication reference: Amber Insect of China: 43.

Described as genus.

Type species: *Furvaphis oblonga* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Fushia* Matsumura, 1917**

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 70.

Described as genus.

Type species: *Fushia rosea* Matsumura, 1917; by original designation; junior synonym of *Nurudeopsis yanoiella* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

***Fushuncallites* Hong, 2002**

Publication reference: Amber Insect of China: 58.

Described as genus.

Type species: *Fushuncallites wanghuacunensis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Galiaphis* Ossiannilsson, 1954**

Publication reference: Entomologisk Tidskrift, 75 (2-4): 123.

Described as genus.

Type species: *Galiaphis annae* Ossiannilsson, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Amphorophora* Buckton, 1876.

***Galiobium* Börner, 1933**

Publication reference: Kleine Mitteilungen über Blattläuse: 4.

Described as genus.

Type species: *Trilobaphis langei* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

Gentnera Essig, 1952

Publication reference: Pan-Pacific Entomologist, 28: 215.

Described as genus.

Type species: *Gentnera oregona* Essig, 1952; by original designation; junior synonym of *Aphis setosa* Kaltenbach, 1846.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ctenocallis* Klodnitsky, 1924.

Geoica Hart, 1894

Publication reference: Forbes, Report of the State Entomologist of Illinois, 18: 102.

Described as genus.

Type species: *Geoica squamosa* Hart, 1894; by monotypy; junior synonym of *Pemphigus utricularius* Passerini, 1856.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoschoutedenia* Schumacher, 1923, *Pemphigetum* Mordvilko, 1928, *Schoutedenum* Mordvilko, 1928, *Serrataphis* van der Goot, 1917, and *Trinacriella* Del Guercio, 1914.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Geoktapia Mordvilko, 1921

Publication reference: Bulletin of Entomological Research, 13: 30.

Described as genus.

Type species: *Geoktapia areshensis* Mordvilko, 1921; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Geopemphigus Hille Ris Lambers, 1933

Publication reference: Stylops, 2: 197.

Described as genus.

Type species: *Geopemphigus surinamensis* Hille Ris Lambers, 1933; by original designation; junior synonym of *Geoica floccosa* Moreira, 1925.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Xenopterygus* Smith, 1948.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Georgia Wilson, 1911

Publication reference: Canadian Entomologist, 43: 64.

Described as genus.

Type species: *Georgia ulmi* Wilson, 1911; by monotypy.

Objective status: Available but invalid — Junior homonym of *Georgia* Baird & Girard, 1853 (Reptiles), of *Georgia* Thomson, 1857 (Coleoptera), and of *Georgia* Bourgingorat, 1882 (Mollusca).

Useful information about the objective status: Replaced by *Georgiaphis* Maxson & Hottes, 1926 (*nomen novum*).

Georgiaphis Maxson & Hottes, 1926

Publication reference: Entomological News, 37: 267.

Described as genus.

Type species: *Georgia ulmi* Wilson, 1911; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Georgia* Wilson, 1911.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

Gerancho Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 248.

Described as genus.

Type species: *Lachnus petrorum* Scudder, 1878; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*

Germaraphis Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 47.

Described as genus.

Type species: *Lachnus dryoides* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae. With subgenera *Germaraphis* and *Balticorostrum* Heie, 1967

Gharesia Stroyan, 1963

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 32: 81.

Described as genus.

Type species: *Gharesia polunini* Stroyan, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Glabromyzus Richards, 1960

Publication reference: Canadian Entomologist, 92: 771.

Described as subgenus of *Carolinaia* Wilson, 1911.

Type species: *Rhopalosiphum rhois* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Carolinaia* Wilson, 1911.

Glaesaricallis Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 31.

Described as genus.

Type species: *Glaesaricallis kulickae* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Glendenningia MacGillivray, 1954

Publication reference: Canadian Entomologist, 86: 346.

Described as genus.

Type species: *Glendenningia philadelphi* MacGillivray, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Globulicaudaphis Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 207.

Described as genus.

Type species: *Globulicaudaphis pakistanica* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Glyphina Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 259.

Described as genus.

Type species: *Vacuna betulae* Kaltenbach, 1843; by monotypy; junior synonym of *Aphis betulae* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

Glyphinaphis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 232.

Described as genus.

Type species: *Glyphinaphis bambusae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Okajimaia* Suenaga, 1933.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Gobaishia Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 75.

Described as genus.

Type species: *Gobaisha japonica* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kaltenbachiella* Schouteden, 1906.

Goidanichiellum Martelli, 1950

Publication reference: Redia, 35: 318.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis dirhoda* Walker, 1849; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Metopolophium* Mordvilko, 1914.

Gondvanoaphis Wegierek & Grimaldi, 2010

Publication reference: Acta Geologica Sinica (English Edition), 84 (3): 666.

Described as genus.

Type species: *Gondvanoaphis estephani* Wegierek & Grimaldi, 2010; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae Gondvanoaphidini.

***Goodea* Shinji, 1922**

Publication reference: *Dôbutsugaku Zasshi*, 34: 731.

Described as genus.

Type species: *Goodea narafoliae* Shinji, 1922; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Gootiella* Tullgren, 1925**

Publication reference: *Meddelelser från Centralanstalt för Försöksväsendet på Jordbruksområdet*, 280: 22.

Described as genus.

Type species: *Gootiella tremulae* Tullgren, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Greenidea* Schouteden, 1905**

Publication reference: *Spolia Zeylandica*, 2: 181.

Described as genus.

Type species: *Siphonophora artocarpae* Westwood, 1890; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Metagreenidea* Liao, 1978, and *Neogreenidea* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee & Ghosh (A.K.), 1973.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Greenidea*, *Paragreenidea* Raychaudhuri (D.N.), 1956, and *Trichosiphum* Pergande, 1906.

***Greenideoida* van der Goot, 1917**

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 140.

Described as genus.

Type species: *Greenideoida elongata* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paragreenideoida* Raychaudhuri (D.N.) & Chatterjee, 1980.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Greenideoida*, *Neogreenideoida* Raychaudhuri (D.N.), 1956, and *Pentatrichosiphum* Basu (A.N.), 1969.

Grimmenaphis Ansoerge, 1996

Publication reference: *Neue Paläontologische Abhandlungen*, 2: 56.

Described as genus.

Type species: *Grimmenaphis magnifica* Ansoerge, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Grylloprociphilus Smith & Pepper, 1968

Publication reference: *Proceedings of the Entomological Society of Washington*, 70: 57.

Described as genus.

Type species: *Grylloprociphilus frosti* Smith & Pepper, 1968; by original designation; junior synonym of *Eriosoma imbricator* Fitch, 1851.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Fagiphagus* Smith, 1974.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Gypsoaphis Oestlund, 1923

Publication reference: *Nineteenth Report [1922] of the State Entomologist of Minnesota*: 126.

Described as genus.

Type species: *Aphis lonicerae* Monell, 1879; by original designation; junior synonym of *Gypsoaphis oestlundi* Hottes, 1930.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Halajaphis Wegierek, 1996

Publication reference: *Prace Muzeum Ziemi*, 44: 34.

Described as genus.

Type species: *Halajaphis siphonosetae* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hallaphis Doncaster, 1956

Publication reference: *Bulletin of Entomological Research*, 47: 745.

Described as genus.

Type species: *Yamataphis rhodesiensis* Hall, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Halmodaphis Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hamadryaphis Kirkaldy, 1904

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Pemphigus spyrothecae* Passerini, 1860; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Kessleria* Lichtenstein, 1886.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Hamamelistes Shimer, 1867

Publication reference: Transactions of the American Entomological Society, 1: 283.

Described as genus.

Type species: *Hamamelistes spinosus* Shimer, 1867; by subsequent designation (Oestlund, 1923: 151).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Mansakia* Matsumura, 1917, and *Tetraphis* Horváth, 1896.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

Hamiltonaphis Aoki, Kurosu & Fukatsu, 1993

Publication reference: Kontyû, 61 (1): 65.

Described as genus.

Type species: *Astegopteryx styraci* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

Hannabura Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 377.

Described as genus.

Type species: *Hannabura alnicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Hayhurstia Del Guercio, 1917

Publication reference: Redia, 12 (1-2) [1916]: 206.

Described as genus.

Type species: *Hayhurstia deformans* Del Guercio, 1917; by monotypy; junior synonym of *Aphis atriplicis* Linnaeus, 1761.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Hayhurstia* Mordvilko, 1921.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hayhurstia Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 45.

Described as genus.

Type species: *Hyalopterus dactylidis* Hayhurst, 1909; by original designation; junior synonym of *Aphis humilis* Walker, 1852.

Objective status: Available but invalid — Junior homonym of *Hayhurstia* Del Guercio, 1917.

Useful information about the objective status: Replaced by *Hyalopteroides* Theobald, 1916.

Helosiphon Leclant, 1969

Publication reference: Annales de la Societé Entomologique de France, (N. S.), 5 (2): 429.

Described as genus.

Type species: *Helosiphon eryngii* Leclant, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hemiaphis Börner, 1926

Publication reference: Abderhalden, Handbuch der Biologischen

Arbeitsmethoden, volume 9, 1, 2 (2): 226.

Described as genus.

Type species: *Aphis trirhoda* Walker, 1849; by monotypy.

Objective status: Available but invalid — Junior objective synonym of *Longicaudus* van der Goot, 1913.

Heminipponaphis Chakrabarti & Raha, 1985

Publication reference: *Annales Zoologici* [Warszawa], 39: 87.

Described as genus.

Type species: *Heminipponaphis querciphaga* Chakrabarti & Raha, 1985; by original designation; junior synonym of *Pseudothoracaphis himachalii* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudothoracaphis* Raychaudhuri (D.N.), Gosh (L.K.) & Das (S.K.), 1980.

Hemipodaphis David, Narayanan & Rajasingh, 1971

Publication reference: *Oriental Insects*, 5: 559.

Described as genus.

Type species: *Hemipodaphis monstrosa* David, Narayanan & Rajasingh, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Hemitrama Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 63.

Described as genus.

Type species: *Hemitrama bykovi* Mordvilko, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

Henningsenia Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 86.

Described as subgenus of *Germaraphis* Heie, 1967.

Type species: *Germaraphis (Henningsenia) ungulata* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Heterocallis* Quednau, 1966**

Publication reference: Canadian Entomologist, 98 (4): 422.

Described as genus.

Type species: *Heterocallis daviaultii* Quednau, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Allaphis* Mordvilko, 1921.

***Heterogenaphis* Ivanovskaja-Shubina, 1966**

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 2: 18.

Described as genus.

Type species: *Heterogenaphis kunashyri* Ivanovskaja, 1966; by original designation; Junior synonym of *Myzus sasakii* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Heteroneura* Davis, 1919**

Publication reference: Canadian Entomologist, 51: 228.

Described as genus.

Type species: *Siphonophora setariae* Thomas, 1877; by original designation.

Objective status: Available but invalid — Junior homonym of *Heteroneura* Fallen, 1810 (Diptera), of *Heteroneura* Meigen, 1930 (Diptera) and of *Heteroneura* Crawford, 1919 (Hemiptera: Psyllidae).

Useful information about the objective status: Replaced by *Hysteroneura* Davis, 1919 (*nomen novum*).

***Hiberaphis* Börner, 1949**

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 52.

Described as genus.

Type species: *Hiberaphis iberica* Börner, 1949; by original designation; junior synonym of *Saltusaphis scirpus* Theobald, 1915.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Saltusaphis* Theobald, 1915.

***Hillerislambesia* Basu (A.N.), 1967**

Publication reference: Bulletin of Entomology, 8: 5.

Described as genus.

Type species: *Hillerislambesia darjeelingi* Basu (A.N.), 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Himalayaphis Ghosh (A.K.) & Verma, 1973

Publication reference: *Oriental Insects*, 7: 271.

Described as genus.

Type species: *Himalayaphis anemones* Ghosh (A.K.) & Verma, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Holcaphis Hille Ris Lambers, 1939

Publication reference: *Zoologische Mededelingen [Leiden]*, 22: 97.

Described as genus.

Type species: *Aphis holci* Hardy, 1850; by original designation & application of the ICZN 11.6.1.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Diuraphis* Aizenberg, 1935.

Holmania Szelegiewicz, 1964

Publication reference: *Bulletin de l'Académie Polonaise des Sciences, (ser. 2, Sciences Biologiques)*, 12: 211.

Described as genus.

Type species: *Holmania chaetosiphon* Szelegiewicz, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Holotrichosiphon Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 75.

Described as genus.

Type species: *Holotrichosiphon heterotrichus* Raychaudhuri (D.N.), 1956; by original designation; junior synonym of *Hoplothoracaphis manipurensis* Pramanik, Samanta & Raychaudhuri (D.), 1983.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

Holzneria Lichtenstein, 1875

Publication reference: *Bulletin de la Société Entomologique de France*, (5), 5: LXXVI.

Described as genus.

Type species: *Pemphigus poschingeri* Holzner, 1874; by monotypy; junior synonym of *Aphis bumeliae* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

Hongocallis, Wegierek, 2010

Publication reference: Genus, 21 (1): 11.

Described as genus.

Type species: *Sinocallis clypeolata* Hong, 2002; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sinocallis* Hong, 2002.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Hoplocallis Pintera, 1952

Publication reference: Zoologické a Entomologické Listy, 1 (3): 151.

Described as genus.

Type species: *Hoplocallis rupertii* Pintera, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Hoplochaetaphis Aizenberg, 1959

Publication reference: Zoologicheskii Zhurnal, 38 (11): 1674.

Described as genus.

Type species: *Hoplochaitophorus zachvatkini* Aizenberg & Moravskaja, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Hoplochaitophorus Granovsky, 1933

Publication reference: Proceedings of the Entomological Society of Washington, 35: 32.

Described as genus.

Type species: *Chaitophorus quercicola* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Hoplothoracaphis Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: *Akitu*, (N.S.), 57: 1.

Described as genus.

Type species: *Hoplothoracaphis manipurensis* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Parathoracaphis* Takahashi, 1958.

Hormaphidula Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 259.

Described as genus.

Type species: *Cerataphis betulae* Mordvilko, 1901; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hormaphis* Osten-Sacken, 1861.

Hormaphis Osten-Sacken, 1861

Publication reference: *Entomologische Zeitung*, 22: 422.

Described as genus.

Type species: *Hormaphis hamamelidis* Osten-Sacken, 1861; by monotypy; junior synonym of *Hamamelistes cornus* Shimer, 1867.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hormaphidula* Börner, 1952.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

Hottesina Börner, 1950

Publication reference: *Neue Europäische Blattlausarten*: 12.

Described as genus.

Type species: *Hottesina superba* Börner, 1950; by original designation; junior synonym of *Acyrtosiphon nigripes* Hille Ris Lambers, 1935.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

Huaxiacallites Hong, 2002

Publication reference: *Amber Insect of China*: 60.

Described as genus.

Type species: *Huaxiacallites reptantes* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Huaxiaphis* Hong, 2002**

Publication reference: Amber Insect of China: 74.

Described as genus.

Type species: *Huaxiaphis gracilicornuta* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Hyadaphis* Kirkaldy, 1904**

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Aphis xylostei* Schrank, 1801; denoted by new replacement name (Article 67.8); junior synonym of *Siphocoryne foeniculi* Passerini, 1860.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphocoryne* Passerini, 1863.

Subjective status: Valid — Senior synonym of *Miraphis* Nevsky, 1928, and *Neohayhurstia* Aizenberg, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalomyzus* Richards, 1958**

Publication reference: Florida Entomologist, 41: 169.

Described as genus.

Type species: *Myzus eriobotryae* Tissot, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neohyalomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalopteroides* Theobald, 1916**

Publication reference: Entomologist, 49: 51.

Described as genus.

Type species: *Hyalopteroides pallida* Theobald, 1916; by monotypy; junior synonym of *Aphis humilis* Walker, 1852.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Hayhurstia* Mordvilko, 1921.

Subjective status: Valid — Senior synonym of *Hayhurstia* Mordvilko, 1921.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalopterus* Koch, 1854**

Publication reference: Pflanzenläuse Aphiden, (1): 16.

Described as genus.

Type species: *Aphis pruni* Geoffroy, 1762; by subsequent designation (Passerini, 1860: 27) and validation under the plenary powers by the International Commission on Zoological Nomenclature; Opinion, 397.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 397]; name number 98].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Hydaphias* Börner, 1930**

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 136.

Described as genus.

Type species: *Aphis bicolor* Koch, 1855; by original designation; Replaced by *Hydaphias hofmanni* Börner, 1930.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hydronephus* Shinji, 1922**

Publication reference: Dôbutsugaku Zasshi, 34: 790.

Described as genus.

Type species: *Hydronephus impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 13).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyperomyzella* Hille Ris Lambers, 1949**

Publication reference: Temminckia, 8: 277.

Described as subgenus of *Hyperomyzus* Börner, 1933.

Type species: *Nectarosiphon rhinanthi* Schouteden, 1903; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.

Hyperomyzus Börner, 1933

Publication reference: Kleine Mitteilungen über Blattläuse: 2.

Described as genus.

Type species: *Aphis lactucae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Hyperomyzus*, *Hyperomyzella* Hille Ris Lambers, 1949, and *Neonasonovia* Hille Ris Lambers, 1949.

Hysteroneura Davis, 1919

Publication reference: Canadian Entomologist, 51: 263.

Described as genus.

Type species: *Siphonophora setariae* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Heteroneura* Davis, 1919.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Idiopterus Davis, 1909

Publication reference: Annals of the Entomological Society of America, 2: 198.

Described as genus.

Type species: *Idiopterus nephrelepidis* Davis, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Fullawayella* Del Guercio, 1911.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Illinoia Wilson, 1910

Publication reference: Annals of the Entomological Society of America, 3: 318.

Described as genus.

Type species: *Siphonophora liriodendri* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ericobium* MacGillivray, 1958.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Illinoia*, *Amphorinophora* MacGillivray, 1958, *Masonaphis* Hille Ris Lambers, 1939, and *Oestlundia* Hille Ris Lambers, 1949.

Impatientinum Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Impatientinum fuscum* Mordvilko, 1928; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis balsamines* Kaltenbach, 1862.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberosiphum* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Impatientinum* and *Neoimpatientinum* Agarwala, Mondal & Raychaudhuri (D.N.), 1982.

Indiaphis Basu (A.N.), 1969

Publication reference: *Oriental Insects*, 3: 175.

Described as genus.

Type species: *Indiaphis crassicornis* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indiochaitophorus Verma, 1969

Publication reference: *Bulletin of Entomology*, 10: 134.

Described as genus.

Type species: *Indiochaitophorus furcatus* Verma, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Indocinara Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969

Publication reference: *Oriental Insects*, 3: 249.

Described as genus.

Type species: *Indocinara hottesis* Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Indoidiopterus Chakrabarti, Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Oriental Insects*, 6: 391.

Described as genus.

Type species: *Capitophorus geranii* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neotoxoptera* Theobald, 1915.

Indomasonaphis Verma, 1971

Publication reference: Bulletin of Entomology, 12: 97.

Described as genus.

Type species: *Indomasonaphis indicum* Verma, 1972; by original designation; junior synonym of *Masonaphis anaphalidis* Basu, 1964.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Indumasonaphis* Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977, and of *Neomasonaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1972.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indomegoura Hille Ris Lambers, 1958

Publication reference: MacGillivray, Temminckia, 10 [reprint]: 25.

Described as genus.

Type species: *Rhopalosiphum indicum* van der Goot, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Omeimegoura* Tao, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indomyzus Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971

Publication reference: Oriental Insects, 5: 328.

Described as genus.

Type species: *Indomyzus sensoriatus* Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indonipponaphis Ghosh (A.K.) & Raychaudhuri (D.N.), 1973

Publication reference: Kontyû, 41: 158.

Described as genus.

Type species: *Indonipponaphis tuberculata* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Indoregma Chakrabarti & Maity, 1982

Publication reference: Proceedings of the Zoological Society [Calcutta], 33 [1980]: 59.

Described as genus.

Type species: *Indoregma bambusae* Chakrabarti & Maity, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

Indotetraneura Chakrabarti & Maity, 1978

Publication reference: Entomon, 3: 269.

Described as subgenus of *Tetraneura* Hartig, 1841.

Type species: *Tetraneura javensis* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of *Tetraneura* Hartig, 1841.

Indotuberoaphis Chakrabarti & Maity, 1984

Publication reference: Oriental Insects, 18: 198.

Described as genus.

Type species: *Indotuberoaphis sorbi* Chakrabarti & Maity, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indumasonaphis Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: Oriental Insects, 11: 580.

Described as genus.

Type species: *Masonaphis (Neomasonaphis) inulae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomasonaphis* Verma, 1972.

Iowana Hottes, 1954

Publication reference: Proceedings of the Biological Society of Washington, 67: 99.

Described as genus.

Type species: *Iowana frisoni* Hottes, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Ipuka van Harten & Ilharco, 1976

Publication reference: Agronomia Lusitana, 37 (1) [1975]: 16.

Described as genus.

Type species: *Aulacorthum dispersum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Iranaphias Remaudière & Davatchi, 1959

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*, 38: 142.

Described as genus.

Type species: *Iranaphias deh bani* Remaudière & Davatchi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Israelaphis Essig, 1953

Publication reference: *Pan-Pacific Entomologist*, 29 (3): 127.

Described as genus.

Type species: *Israelaphis carmini* Essig, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Israelaphidinae.

Iziphya Nevsky, 1929

Publication reference: *Trudy Uzbekistanskoy Opytnoy Stancii Zashchity Rasteniy*, 16: 314.

Described as genus.

Type species: *Iziphya maculata* Nevsky, 1929; by original designation; junior synonym of *Aphis bufo* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Caricaphis* Börner, 1930.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Jacksonia Theobald, 1923

Publication reference: *Scottish Naturalist*, 1923: 19.

Described as genus.

Type species: *Jacksonia papillata* Theobald, 1923; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Jaxartaphis Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Judenkoa Hille Ris Lambers, 1953

Publication reference: Temminckia, 9: 35.

Described as subgenus of *Rhopalomyzus* Mordvilko, 1921.

Type species: *Aphis lonicerae* Siebold, 1839; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalomyzus* Mordvilko, 1921.

Juncobia Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.

Described as genus.

Type species: *Caricaphis leegei* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Juncomyzus Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 193.

Described as genus.

Type species: *Juncomyzus obscurus* Hille Ris Lambers, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Carolinaia* Wilson, 1911.

Jurocallis Shaposhnikov, 1979

Publication reference: Paleontologicheskij Zhurnal, 4: 68.

Described as genus.

Type species: *Jurocallis longipes* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*.

Kaburagia Takagi, 1937

Publication reference: Bulletin of the Forest Experimental Station, Seoul, 26: 20.

Described as genus.

Type species: *Kaburagia rhusicola* Takagi, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Macrorhinarium* Tsai & Tang, 1945.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Kakimia Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19: 344.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus thomasi* Hottes & Frison, 1931; by original designation; junior synonym of *Nectarophora cynosbati* Oestlund, 1887.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neokakimia* Doncaster & Stroyan, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

Kallistaphis Kirkaldy, 1905

Publication reference: Canadian Entomologist, 37: 417.

Described as genus.

Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neocallipterus* van der Goot, 1915.

Subjective status: Junior synonym of *Calaphis* Walsh, 1863.

Kaltenbachiella Schouteden, 1906

Publication reference: Mémoires de la Société Entomologique de Belgique, 12: 194.

Described as genus.

Type species: *Kaltenbachiella menthae* Schouteden, 1906; by original designation; junior synonym of *Byrsocrypta pallida* Haliday, 1838.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Gobaisha* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Kaochiaoja Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 169.

Described as genus.

Type species: *Myzus arthraxonis* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Karamicrosiphum Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5 (3): 236.

Described as genus.

Type species: *Karamicrosiphum humulosum* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Kessleria Lichtenstein, 1886

Publication reference: Monographie des Pucerons du Peuplier: 16.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus spyrothecae* Passerini, 1860; by original designation.

Objective status: Available but invalid — Junior homonym of *Kessleria* Nowicki, 1864 (Lepidoptera) and of *Kessleria* Bogdanov, 1882 (Actinopterygii).

Useful information about the objective status: Replaced by *Hamadryaphis* Kirkaldy, 1904 (*nomen novum*).

Khotontaphis Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskij Zhurnal, 3: 43.

Described as genus.

Type species: *Khotontaphis lachnoides* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Klimaszewska Szelegiewicz, 1979

Publication reference: Polskie Pismo Entomologiczne, 49: 567.

Described as genus.

Type species: *Klimaszewska dracocephali* Szelegiewicz, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Krikoanoecia Zhang (G.-x.) & Qiao, 1996

Publication reference: Zhang (G.-x.), Qiao & Cao, *Entomotaxonomia*, 18 (4): 261.

Described as genus.

Type species: *Krikoanoecia circula* Qiao & Zhang (G.-x.), 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

Ktenopteryx Qiao & Zhang (G.-x.), 2003

Publication reference: *Pan-Pacific Entomologist*, 79: 260.

Described as genus.

Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Ctenopteryx* Qiao & Zhang (G.-x.), 2003.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Kugegania Eastop, 1955

Publication reference: *Entomologist's Monthly Magazine*, 91: 204.

Described as subgenus of *Micromyzus* van der Goot, 1917.

Type species: *Micromyzus (Kugegania) ageni* Eastop, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Kurisakia Takahashi, 1924

Publication reference: *The Philippine Journal of Science*, 24: 715.

Described as genus.

Type species: *Kurisakia juglandicola* Takahashi, 1924; by original designation; junior synonym of *Anoecia onigurumii* Shinji, 1923.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tubercocarpus* Shinji, 1929.

Taxonomic position: Aphididae Thelaxinae.

***Lachnaphis* Shinji, 1922**

Publication reference: Dôbutsugaku Zasshi, 34: 729.

Described as genus.

Type species: *Lachnaphis yomogi* Shinji, 1922; by monotypy; junior synonym of *Sappaphis piri* Matsumura, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappaphis* Matsumura, 1918.

***Lachnarius* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 98.

Described as genus.

Type species: *Lachnarius miocaenicus* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae.

***Lachniella* Del Guercio, 1909**

Publication reference: Redia, 5 [1908]: 286.

Described as genus.

Type species: *Aphis costata* Zetterstedt, 1928; by subsequent designation (Wilson, 1911: 10) & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN; Junior synonym of *Aphis costata* Zetterstedt, 1828.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Lachnochaitophorus* Granovsky, 1933**

Publication reference: Proceedings of the Entomological Society of Washington, 35: 33.

Described as genus.

Type species: *Lachnochaitophorus querceus* Granovsky, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Lachnus* Burmeister, 1835**

Publication reference: Handbuch der Entomologie, 2 (1): 91.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 399].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 989]. Senior objective synonym of *Dryaphis* Kirkaldy, 1904, of *Dryobius* Koch, 1855, and of *Pteroclorus* Rondani, 1848.

Subjective status: Valid — Senior synonym of *Schizodryobius* van der Goot, 1913, and *Sublachnobius* Heinze, 1962.

Taxonomic position: Aphididae Lachninae Lachnini.

Lactucobium Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 255.

Described as subgenus of *Acyrtosiphon* Mordvilko, 1914.

Type species: *Acyrtosiphon scariolae* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

Lacusaphis Zhang (G.-x.), 2002

Publication reference: Zhang (L.) & Zhang (G.-x.): *Acta Entomologica Sinica*, 45 (supplement): 31.

Described as subgenus of *Siphonatrophia* Swain, 1918.

Type species: *Siphonatrophia (Lacusaphis) aetherelaca* Zhang (L.) & Zhang (G.-x.), 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Siphonatrophia* Swain, 1918.

Laingia Theobald, 1922

Publication reference: *Bulletin of Entomological Research*, 12: 429.

Described as genus.

Type species: *Laingia psammae* Theobald, 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Anochetium* Wood-Baker, 1943.

Taxonomic position: Aphididae Chaitophorinae Siphini.

Lambersaphis Narzikulov, 1961

Publication reference: *Trudy Instituta Zoologii i Parazitologii Akademii Nauk Tadzhikskoy SSR*, 20: 85.

Described as genus.

Type species: *Neothomasia pruinosa* Narzikulov, 1954; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Valid.
 Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Lambersella Sorensen, 1994

Publication reference: Pan-Pacific Entomologist, 70: 29.
 Described as subgenus of *Essigella* del Guercio, 1909.
 Type species: *Essigella fusca* Gillette & Palmer, 1924; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Valid.
 Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Essigella* del Guercio, 1909.

Lambersius Olive, 1965

Publication reference: Annals of the Entomological Society of America, 58 (3): 284.
 Described as subgenus of *Dactynotus* Rafinesque, 1818.
 Type species: *Siphonophora erigeronensis* Thomas, 1878; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Valid.
 Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

Landisaphis Knowlton & Ma, 1949

Publication reference: Journal of the Kansas Entomological Society, 22: 147.
 Described as genus.
 Type species: *Landisaphis davisii* Knowlton & Ma, 1949; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Valid.
 Taxonomic position: Aphididae Aphidinae Macrosiphini.

Laricaria Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.
 Described as subgenus of *Cinaria* Börner, 1939.
 Type species: *Cinaria kochiana* Börner, 1939; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Larssonaphis Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 168.

Described as genus.

Type species: *Larssonaphis obnubila* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Larvaphis Ossiannilsson, 1953

Publication reference: *Opuscula Entomologica*, 18: 237.

Described as subgenus of *Thripsaphis* Gillette, 1917.

Type species: *Thripsaphis brevicornis* Ossiannilsson, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Thripsaphis* Gillette, 1917.

Latgerina Remaudière, 1981

Publication reference: *Annales de la Société Entomologique de France*, (N.S.), 17: 522.

Described as genus.

Type species: *Latgerina orizabaensis* Remaudière, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

Lehrius Gredina, 1995

Publication reference: *Far Eastern Entomologist*, 12: 2.

Described as genus.

Type species: *Lehrius papillicaudus* Gredina, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Lepidaphis Kadyrbekov, Renxin & Shao, 2002

Publication reference: *Tethys Entomological Research*, 6: 16.

Described as genus.

Type species: *Xerophilaphis deformans* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Leptocallites* Hong, 2002**

Publication reference: Amber Insect of China: 70.

Described as genus.

Type species: *Leptocallites silutianensis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Leptopteryx* Zetterstedt, 1837**

Publication reference: Isis von Oken, 1837: 39.

Described as genus.

Type species: *Leptopteryx nivalis* Zetterstedt, 1837; by monotypy; junior synonym of *Aphis punctipennis* Zetterstedt, 1828.

Objective status: Available but invalid — Junior homonym of *Leptopteryx* Horsfield, 1821 (Aves).

Useful information about the objective status: Replaced by *Euceraphis* Walker, 1870.

***Leucosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 245.

Described as subgenus of *Medoralis* Börner, 1952.

Type species: *Aphis farinosa* Gmelin, 1790; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Liaoaphis* Hong, 2002**

Publication reference: Amber Insect of China: 79.

Described as genus.

Type species: *Liaoaphis furvifemoralis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Lidaja* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 252.

Described as genus.

Type species: *Hyalopterus abrotani* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

Linaphis Zhang (G.-x.), 1981

Publication reference: Zhang (G.-x.) & Zhong, *Sinozoologia*, 1: 44.

Described as genus.

Type species: *Liniaphis lini* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Lineomyzocallis Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 29.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Aphis bella* Walsh, 1863; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Linosophon Börner, 1950

Publication reference: *Neue Europäische Blattlausarten*: 16.

Described as genus.

Type species: *Macrosiphum galiophagum* Wimshurst, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Liosomaphis Walker, 1868

Publication reference: *Zoologist*, (ser. 2), 3, app.: 1119.

Described as genus.

Type species: *Aphis berberidis* Kaltenbach, 1843; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Lipamyzodes Heinze, 1960

Publication reference: *Beiträge zur Entomologie* [Berlin], 10: 817.

Described as genus.

Type species: *Lipaphis matthiolae* Doncaster, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Lipaphidiella Doncaster, 1954

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 23 (5-6): 83.

Described as subgenus of *Lipaphis* Mordvilko, 1928.

Type species: *Myzaphis lepidii* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Lipaphis* Mordvilko, 1928.

Lipaphidoides Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.

Described as subgenus of *Lipaphis* Mordvilko, 1928.

Type species: *Lipaphis rossi* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lipaphis* Mordvilko, 1928.

Lipaphis Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 189.

Described as genus.

Type species: *Aphis erysimi* Kalténbach, 1843; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lipaphidoides* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Lipaphis* and *Lipaphidiella* Doncaster, 1954.

Liporrhinus Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 82.

Described as genus.

Type species: *Aphis chelidonii* Kalténbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acyrtosiphon* Mordvilko, 1914.

Lithaphis Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 257.

Described as genus.

Type species: *Lithaphis diruta* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae

Lithoaphis Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 1.

Described as genus.

Type species: *Lithoaphis shiiae* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Lizerius Blanchard (E.E.), 1923

Publication reference: Physis [Buenos Aires], 7: 120.

Described as genus.

Type species: *Lizerius ocoteae* Blanchard (E.E.), 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neolizerius* Blanchard (E.E.), 1939.

Taxonomic position: Aphididae Lizeriinae — With subgenera *Lizerius* and *Paralizerius* Quednau, 1974.

Lizerocallis Sousa-Silva & Ilharco, 2003

Publication reference: Agronomia Lusitana, 50 (3-4) [2002]: 137.

Described as genus.

Type species: *Lizerocallis flavus* Sousa-Silva & Ilharco, 2003; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae — Subgenus of *Paoliella* Theobald, 1928.

Loewia Lichtenstein, 1886

Publication reference: Monographie des Pucerons du Peuplier: 37.

Described as genus.

Type species: *Schizoneura passerinii* Signoret, 1875; by original designation.

Objective status: Available but invalid — Junior homonym of *Loewia* Egger, 1856 (Diptera).

Useful information about the objective status: Replaced by *Phloeomyzus* Horváth, 1896 (*nomen novum*).

Longicaudinus Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 197.

Described as genus.

Type species: *Hyalopteroides sinensis* Tao, 1963; by original designation; junior synonym of *Pergandeida corydalisicola* Tao, 1962.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Longicaudus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 107.

Described as genus.

Type species: *Aphis trirhoda* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Hemiaphis* Börner, 1926.

Subjective status: Valid — Senior synonym of *Netubusaphis* Zhang (G.-x.), Chen, Qiao & Li, 1999, *Senisetotarsaphis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980, and *Yezosiphum* Matsumura, 1919.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Longirostrina Kumar & Burkhardt, 1971

Publication reference: Journal of the Kansas Entomological Society, 44 (3): 419.

Described as genus.

Type species: *Longirostris raji* Kumar & Burkhardt, 1970; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Longirostris* Kumar & Burkhardt, 1970.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Longirostris Kumar & Burkhardt, 1970

Publication reference: Journal of the Kansas Entomological Society, 43 (4): 458.

Described as genus.

Type species: *Longirostris raji* Kumar & Burkhardt, 1970; by original designation.

Objective status: Available but invalid — Junior homonym of *Longirostris* Cuvier, 1807 (Reptilia), and of *Longirostris* S.D.W., 1836 (Aves).

Useful information about the objective status: Replaced by *Longorostrina* Kumar & Burkhardt, 1970 (*nomen novum*).

Longisiphoniella Chakrabarti, Saha & Mandal, 1988

Publication reference: Proceedings of the Zoological Society [Calcutta], 37 [1984]: 36.

Described as genus.

Type species: *Longisiphoniella subterranea* Chakrabarti, Saha & Mandal, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Longistigma Wilson, 1909

Publication reference: Canadian Entomologist, 41: 385.

Described as genus.

Type species: *Aphis caryae* Harris, 1841; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Davisia* Del Guercio, 1909.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Longitarsus Shinji, 1930

Publication reference: Reports of the Japanese Association for the Advancement of Science, 5: 189.

Described as genus.

Type species: *Trama taraxaci* Shinji, 1929; by original designation.

Objective status: Available but invalid — Junior homonym of *Longitarsus* Berthold, 1827 (Coleoptera).

Useful information about the objective status: Replaced by *Neotrampa* Baker (A.C.), 1920.

Longiunguis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 112.

Described as genus.

Type species: *Aphis sacchari* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Loniceraphis Narzikulov, 1962

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 5 (5): 41.

Described as genus.

Type species: *Loniceraphis paradoxa* Narzikulov, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Loxerates Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linneus, 1758.

Type species: *Aphis diervillalutea* Rafinesque, 1817; by subsequent designation (Wilson, 1910: 28).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Aphididae.

Lutaphis Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36: 346.

Described as genus.

Type species: *Lutaphis nirecola* Shinji, 1924; by original designation; junior synonym of *Myzocallis zelkowae* Takahashi, 1919.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tinocallis* Matsumura, 1919.

Lyncuricallis Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 29.

Described as genus.

Type species: *Lyncuricallis polonicus* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Macchiatiella Del Guercio, 1909

Publication reference: Rivista di Patologia Vegetale (Pavia), (N.S.), 4 (1): 5.

Described as genus.

Type species: *Aphis rhamni* Boyer de Fonscolombe, 1841; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Macchiatiella* Del Guercio 1917.

Subjective status: Valid — Senior synonym of *Neanuraphis* Nevsky, 1926, and *Neolachnaphis* Shinji, 1924.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Macchiatiella Del Guercio, 1917

Publication reference: Redia, 12: 210.

Described as genus.

Type species: *Macchiatiella trifolii* Del Guercio, 1917; by original designation; junior synonym of *Aphis pisum* Harris, 1776.

Objective status: Available but invalid — Junior homonym of *Macchiatiella* Del Guercio 1909.

Useful information about the objective status: Replaced by *Acyrtosiphon* Mordvilko, 1914.

Machilaphis Takahashi, 1960

Publication reference: Kontyû, 28 (1): 11.

Described as genus.

Type species: *Phyllaphis machili* Takahashi, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Macrhynchus Haupt, 1913

Publication reference: Mitteilungen aus der Entomologischen Gesellschaft zu Halle, 5-7: 45.

Described as genus.

Type species: *Macrhynchus pini* Haupt, 1913; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

Macrocaudus Shinji, 1930

Publication reference: Lansania, 2: 72.

Described as genus.

Type species: *Macrocaudus phaseoli* Shinji, 1930; by subsequent designation (Shinji, 1930: 78).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

Macromyzella Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: *Oriental Insects*, 11: 582.

Described as genus.

Type species: *Myzus polypodicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Macromyzus Takahashi, 1960

Publication reference: *Kontyû*, 28: 225.

Described as genus.

Type species: *Myzus woodwardiae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macromyzus* and *Anthracosiphoniella* Basu (A.N.), 1969.

Macropodaphis Remaudière & Davatchi, 1958

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*. 37: 241.

Described as genus.

Type species: *Macropodaphis rechingeri* Remaudière & Davatchi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Macropodaphidinae.

Macrorhinarium Tsai & Tang, 1945

Publication reference: *Agricultural Association of China*, circular 50: 33.

Described as genus.

Type species: *Macrorhinarium ovogallis* Tsai & Tang, 1945; by original designation; junior synonym of *Kaburagia rhusicola* Takagi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kaburagia* Takagi, 1937.

Macrosiphon Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, 3 (1): 158.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Macrosiphum* Passerini, 1860.

Macrosiphoniella Del Guercio, 1911

Publication reference: Redia, 7: 331.

Described as genus.

Type species: *Siphonophora atra* Ferrari, 1872; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Dielcysmura* Mordvilko, 1914, *Mediosiphum* Wojciechowski, 1993, *Piceaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999, and *Pyrethromyzus* Börner 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macrosiphoniella*, *Asterobium* Hille Ris Lambers, 1938, *Chosoniella* Szelegiewicz, 1980, *Papillomyzus* Szelegiewicz, 1963, *Phalangomyzus* Börner, 1939, *Ramitrichophorus* Hille Ris Lambers, 1947, and *Sinosiphoniella* Tao, 1963.

Macrosiphum Del Guercio, 1900

Publication reference: Nuove Relazioni intorno ai lavori della Regia Stazione di Entomologia Agraria di Firenze, (ser. 1), 2: 159.

Described as genus.

Type species: *Aphis convolvuli* Kaltenbach, 1843; by subsequent designation (Baker (A.C.), 1920: 55); Junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available but invalid — Junior homonym of *Macrosiphum* Passerini, 1860, and of *Macrosiphum* Oestlund, 1861.

Useful information about the objective status: Replaced by *Nectarosiphon* Schouteden, 1901 (*nomen novum*).

Macrosiphum Oestlund, 1886

Publication reference: Annual Report of the Minnesota State Geological and Natural History Survey 14: 27.

Described as genus.

Type species: *Macrosiphum rubicola* Oestlund, 1886; by monotypy.

Objective status: Available but invalid — Junior homonym of *Macrosiphum* Passerini, 1860.

Useful information about the objective status: Replaced by *Oestlundia* Hille Ris Lambers, 1942 (*nomen novum*).

Macrosiphum Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27 (footnote).

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name

(Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphonophora* Koch, 1855. Senior objective synonym of *Macrosiphon* Börner, 1952, and of *Nectarophora* Oestlund, 1887.

Subjective status: Valid — Senior synonym of *Passerinia* Macchiati, 1880.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macrosiphum*, *Neocorylobium* MacGillivray, 1968, and *Unisitobion* Takahashi, 1961.

Macrotrichaphis Miyazaki, 1971

Publication reference: *Insecta Matsumurana*, 34: 28.

Described as genus.

Type species: *Macrotrichaphis yatsugatazensis* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Maculodryaphis Gaumont, 1923

Publication reference: *Annales des Épiphyties*, 9: 340.

Described as genus.

Type species: *Aphis submacula* Walker, 1848; by subsequent monotypy (Börner, 1952: 237).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Maculolachnus* Gaumont, 1920.

Maculolachnus Gaumont, 1920

Publication reference: *Bulletin de la Société Entomologique de France*, 1920: 30.

Described as genus.

Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 184.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neolachnus* Mordvilko, 1929.

Subjective status: Valid — Senior synonym of *Maculodryaphis* Gaumont, 1923

Taxonomic position: Aphididae Lachninae Lachnini.

Malaphis Shaposhnikov, 1951

Publication reference: *Entomologicheskoe Obozrenie*, 31 (3-4): 517.

Described as genus.

Type species: *Malaphis magna* Shaposhnikov, 1951; by original designation; junior synonym of *Neanuraphis quaestionis* Börner, 1942.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Allocotaphis* Börner, 1950.

Mamontova Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 589.

Described as genus.

Type species: *Mamontova vera* Shaposhnikov, 1964; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

Mansakia Matsumura, 1917

Publication reference: Nagano, K. [Ed.], *A Collection of Essays for Mr. Yasushi Nawa*, 3: 59.

Described as genus.

Type species: *Mansakia miyabei* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hamamelistes* Shimer, 1867.

Margituberculatus Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992

Publication reference: Chinese Academy of Sciences [Ed.], *Insects of the Hengduan Mountains Region*: 381.

Described as genus.

Type species: *Margituberculatus longituberculatus* Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Mariaella Szelegiewicz, 1961

Publication reference: *Bulletin de l'Académie Polonaise des Sciences*, (ser. 2, Sciences Biologiques), 9: 191.

Described as genus.

Type species: *Mariaella lambersi* Szelegiewicz, 1961; by original designation.

Objective status: Available but invalid — Junior homonym of *Mariaella* Gray, 1855 (Mollusca Gastropoda).

Useful information about the objective status: Replaced by *Szelegiewicziana* Özdikem & Demir, 2007 (*nomen novum*).

Masonaphis Hille Ris Lambers, 1939

Publication reference: *Temminckia*, 4: 122.

Described as genus.

Type species: *Macrosiphum rhododendri* Wilson, 1918; by original designation & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.1 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

Masraphis Soliman, 1938

Publication reference: Egypt Ministry of Agriculture Technical Service Bulletin, 208: 4.

Described as genus.

Type species: *Masraphis phyllostachia* Soliman, 1938; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Mastopoda Oestlund, 1886

Publication reference: Report of the Minnesota Geological and Natural History Survey 14: 52.

Described as genus.

Type species: *Mastopoda pteridis* Oestlund, 1886; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Matsumuraja Schumacher, 1921

Publication reference: Zoologische Anzeiger, 53: 186.

Described as genus.

Type species: *Acanthaphis rubi* Matsumura, 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Acanthaphis* Matsumura, 1918.

Subjective status: Valid — Senior synonym of *Neophorodon* Takahashi, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Mecinaria Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinaria* Börner, 1939.

Type species: *Aphis piceae* Panzer, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Mediosiphum Wojciechowski, 1993

Publication reference: Acta Biologica Silesiana, 22: 109.

Described as genus.

Type species: *Mediosiphon caucasicum* Wojciechowski, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

Medoralis Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 245.

Described as genus.

Type species: *Aphis pomi* De Geer, 1773; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Megalocallis Takahashi, 1963

Publication reference: Kontyû, 31: 160.

Described as genus.

Type species: *Megalocallis takagii* Takahashi, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Yamatocallis* Matsumura, 1917.

Megalomytisites Hong, 2002

Publication reference: Amber Insect of China: 55.

Described as genus.

Type species: *Megalomytisites longitibiales* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Megalosiphum Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis sonchi* Linnaeus, 1767; by subsequent designation (Börner & Schilder, 1930: 188) [Included species, under art. 67.2.2, by Ferrière & Vussakovich, 1928: 26].

Objective status: Available but invalid — Junior objective synonym of *Uroleucon* Mordvilko, 1914.

Megantennaphis Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 142.

Described as genus.

Type species: *Megantennaphis hauniensis* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Megapodaphis Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 155.

Described as genus.

Type species: *Megapodaphis monstrabilis* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Macropodaphidinae.

Megoura Buckton, 1876

Publication reference: *Monograph of the British Aphides*, 1: 188.

Described as genus.

Type species: *Megoura viciae* Buckton, 1876; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Drepaniella* Del Guercio, 1914, and *Neomegouropsis* Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Megourella Hille Ris Lambers, 1949

Publication reference: *Temminckia*, 8: 268.

Described as genus.

Type species: *Aphis tribulis* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Megourina Hille Ris Lambers, 1974

Publication reference: *Tijdschrift voor Entomologie*, 117: 128.

Described as genus.

Type species: *Megourina lagacei* Hille Ris Lambers, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Megouroparsus* Smith & Heie, 1963**

Publication reference: *Annals of the Entomological Society of America*, 56: 401.

Described as genus.

Type species: *Neoamphorophora tephrosiae* Smith, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Microparsus* Patch, 1909.

***Meguroleucon* Miyazaki, 1971**

Publication reference: *Insecta Matsumurana*, 34: 37.

Described as genus.

Type species: *Meguroleucon codonopsicola* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Meitanaphis* Tsai & Tang, 1946**

Publication reference: *Transactions of the Royal Entomological Society of London*, 97: 410.

Described as genus.

Type species: *Meitanaphis elongallis* Tsai & Tang, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

***Melanaphis* van der Goot, 1917**

Publication reference: Koningsberger, *Contributions a la Faune des Indes Néerlandaises*, 1 (3): 60.

Described as genus.

Type species: *Aphis bambusae* Fullaway, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Geoktapia* Mordvilko, 1921, *Longiunguis* van der Goot, 1917, *Masraphis* Soliman, 1938, *Piraphis* Börner, 1931, *Pyraphis* Börner, 1931, *Schizaphidiella* Hille Ris Lambers, 1939, *Yezabura* Matsumura, 1917, and *Yezaphis* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Melanocallis Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 136.

Described as genus.

Type species: *Callipterus caryaefoliae* Davis, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Melanosiphum Shinji, 1942

Publication reference: Konchû Sekai, 46: 228.

Described as genus.

Type species: *Melanosiphum lonicericola* Shinji, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

Melanoxanterium Schouteden, 1901

Publication reference: Annales de la Société Entomologique de Belgique, 45: 113.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Clavigerus* Szépligeti, 1883.

Useful information about the objective status: Replacement name (*nomen novum*) for *Melanoxanthus* Buckton, 1879.

Melanoxanthus Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 21.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.

Objective status: Available but invalid — Junior homonym of *Melanoxanthus* Eschscholtz, 1836 (Coleoptera); Junior objective synonym of *Clavigerus* Szépligeti, 1883.

Useful information about the objective status: Replaced by *Melanoxanterium* Schouteden, 1901 (*nomen novum*).

Melaphis Walsh, 1867

Publication reference: Proceedings of the Entomological Society of Philadelphia, 6: 281.

Described as genus.

Type species: *Byrsocrypta rhois* Fitch, 1866; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Truncaphis* Theobald, 1918.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Meliarhizophagus Smith, 1974

Publication reference: Technical Bulletin of the North Carolina Agricultural Experiment Station, 226: 17.

Described as genus.

Type species: *Pemphigus fraxinifolii* Riley, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

Mengeaphis Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 113.

Described as genus.

Type species: *Lachnus glandulosus* Menge, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Meringosiphon Carver, 1959

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 28: 19.

Described as genus.

Type species: *Meringosiphon paradiscus* Carver, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

Mesocallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 103.

Described as genus.

Type species: *Myzocallis sawashibae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neocallis* Matsumura, 1919, and *Nippochaitophorus* Takahashi, 1961.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Mesocallis* and *Paratinocallis* Higuchi, 1972.

Mesothoracaphis Noordam, 1991

Publication reference: Zoologische Verhandlungen [Leiden], 270: 168.

Described as genus.

Type species: *Thoracaphis rappardi* Hille Ris Lambers & Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Mesotrichosiphum Calilung, 1967

Publication reference: Philippine Agriculture, 51 (2): 89.

Described as genus.

Type species: *Mesotrichosiphum uichancoi* Calilung, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini.

Mesoviparosiphum Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 32.

Described as genus.

Type species: *Mesoviparosiphum tuanwangense* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Metagreenidea Liao, 1978

Publication reference: Journal of Agricultural Research of China 27 (4): 346.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea brideliae* Takahashi, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

Metanipponaphis Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 5.

Described as genus.

Type species: *Metanipponaphis rotunda* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Metaphis Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 1.

Described as genus.

Type species: *Metaphis angelicae* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

Metaphorodon Takahashi, 1961

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 11: 1.

Described as genus.

Type species: *Phorodon ishimikawae* Shinji, 1941; by original designation; junior synonym of *Phorodon polygoni* van der Goot 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

Metathoracaphis Sorin, 1987

Publication reference: Akitu, (N.S.), 91: 1.

Described as genus.

Type species: *Metathoracaphis isensis* Sorin, 1987; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Metatrichosiphon Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 79.

Described as genus.

Type species: *Trichosiphum nigrofasciatum* Maki, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ditricosiphon* Raychaudhuri (D.N.), 1956

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Mollitrichosiphum* Suenaga, 1934.

Metobion Heikinheimo, 1990

Publication reference: Entomologia Fennica, 1: 93.

Described as subgenus of *Sitobion* Mordvilko, 1914.

Type species: *Acyrtosiphon graminearum* Mordvilko, 1919; by original

designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Sitobion* Mordvilko, 1914.

Metopeuraphis Narzikulov & Smailova, 1975

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 18 (11): 63.

Described as genus.

Type species: *atriplicis* Narzikulov & Smailova, 1976; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Metopeurum Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 67.

Described as genus.

Type species: *Metopeurum fuscoviride* Stroyan, 1950; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 646].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646; name number 1503].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Metopolophium Ghosh (L.K.), 1970

Publication reference: Bulletin of Entomology, 11: 116.

Described as subgenus of *Metopolophium* Mordvilko, 1914.

Type species: *Metopolophium (Metopolophium) darjeelingensis* Gosh (L.K.), 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neometopolophium* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Metopolophium* Mordvilko, 1914.

Metopolophium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 82.

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Aphis dirhoda* Walker, 1849; by subsequent designation (Mordvilko, 1919: 270).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Goidanichiellum* Martelli, 1950.

Subjective status: Valid — Senior synonym of *Goidanichiellum* Martelli, 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Metopolophium*, and *Metopolophinum* Ghosh (L.K.), 1970.

Mexicallis Remaudière, 1982

Publication reference: Annales de la Société Entomologique de France (N.S.), 18 (3): 374.

Described as genus.

Type species: *Mexicallis spinifer* Remaudière, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Mexicallis* and *Anacallis* Remaudière, 1982.

Micraphis Takahashi, 1931

Publication reference: Department of Agriculture Government Research Institute Formosa Report, 53: 53.

Described as genus.

Type species: *Anuraphis artemisiae* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Micrella Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 716.

Described as genus.

Type species: *Micrella monelli* Essig, 1912; by original designation.

Objective status: Available but invalid — Junior homonym of *Micrella* Motschulsky, 1868 (Coleoptera), of *Micrella* Bergh, 1899 (Mollusca), and of *Micrella* Punnett, 1901 (Nemertines).

Useful information about the objective status: Replaced by *Chaitophorus* Koch, 1854.

Microlophium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 198.

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Aphis urticae* Schrank, 1801; by original designation; junior synonym of *Siphonophora carnosa* Buckton, 1876.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Micromyzella Eastop, 1955

Publication reference: Entomologist's Monthly Magazine, 91: 203.

Described as subgenus of *Micromyzus* van der Goot, 1917.

Type species: *Myzus pterisoides* Theobald, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Micromyzodium David, 1958

Publication reference: Indian Journal of Entomology, 20: 175.

Described as genus.

Type species: *Micromyzodium filicium* David, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eomyzus* Takahashi, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Micromyzus van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 52.

Described as genus.

Type species: *Micromyzus niger* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzopsis* Matsumura, 1918.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Microparsus Patch, 1909

Publication reference: Entomological News, 20: 338.

Described as genus.

Type species: *Microparsus variabilis* Patch, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Megouroparsus* Smith & Heie, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Microparsus* and *Picturaphis* Blanchard (E.E.), 1922.

***Microsiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 174.

Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Microsiphon* Del Guercio, 1907. Unjustified emendation & Junior objective synonym of *Microsiphum* Cholodkovsky, 1902.

***Microsiphon* Del Guercio, 1907**

Publication reference: Redia, 4: 191.

Described as genus.

Type species: *Aphis tormentillae* Passerini, 1879; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Microsiphon* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Microsiphoniella* Hille Ris Lambers, 1947**

Publication reference: Temminckia, 7: 186 (footnote).

Described as genus.

Type species: *Chaitophorus artemisiae* Gillette, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Microsiphum* Cholodkovsky, 1902**

Publication reference: Izvestiya S.-Peterburgskogo Lesnogo Instituta, 8 (2): 5.

Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Microtarsus* Shinji, 1929**

Publication reference: Lansania, 1: 43.

Described as genus.

Type species: *Microtarsus pterydifoliae* Shinji, 1929; by original designation; junior synonym of *Atarsos orientalis* Mordvilko, 1929.

Objective status: Available but invalid — Junior homonym of *Microtarsus* Eyton, 1839 (Aves).

Useful information about the objective status: Replaced by *Shinjia* Takahashi, 1938 (*nomen novum*).

Microthoracaphis Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 8 [1958]: 4.

Described as genus.

Type species: *Microthoracaphis elongata* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neothoracaphis* Takahashi, 1959.

Microunguis Tao, 1966

Publication reference: Quarterly Journal of the Taiwan Museum, 19: 175.

Described as genus.

Type species: *Thoracaphis depressus* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Mimaphidus Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis ulmi* Fabricius, 1775; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

Mimeuria Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 259.

Described as genus.

Type species: *Neorhizobius ulmiphilus* Del Guercio, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Mimocallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 109.

Described as genus.

Type species: *Mimocallis betulijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

Mindarella Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 487.

Described as genus.

Type species: *Mindarella biamoensis* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Mindarinae.

Mindarus Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 277.

Described as genus.

Type species: *Mindarus abietinus* Koch, 1857; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pterostigma* Buckton, 1883 (extinct), *Schizoneuroides* Buckton, 1883 (extinct), and *Sychnobrochus* Scudder, 1890 (extinct).

Taxonomic position: Aphididae Mindarinae.

Mindazerius Heie & Poinar, 1988

Publication reference: Psyche, 95: 155.

Described as genus.

Type species: *Mindazerius dominicanus* Heie & Poinar, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

Minuticornicus Knowlton, 1928

Publication reference: Florida Entomologist, 12: 59.

Described as genus.

Type species: *Minuticornicus gravidis* Knowlton, 1928; by original designation; junior synonym of *Cerosipha cupressi* Swain, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonatrophia* Swain, 1918.

Miraphis Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Ser. VIII-a, Zoologiya), 3: 25.

Described as genus.

Type species: *Miraphis agabiformis* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

Miraphoides Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 31.

Described as genus.

Type species: *Miraphoides millefolii* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Mirotarsus Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 83.

Described as subgenus of *Acyrtosiphon* Mordvilko, 1914.

Type species: *Siphonophora cyparissiae* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

Misturaphis Robinson, 1967

Publication reference: Canadian Entomologist, 99: 565.

Described as genus.

Type species: *Misturaphis shiloensis* Robinson, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Mollitrichosiphum Suenaga, 1934

Publication reference: Bulletin of the Kagoshima Imperial College of Agriculture and Forestry, Dedicated to the Twenty-Fifth Anniversary, 1: 797

Described as genus.

Type species: *Greenidea tenuicarpus* Okajima, 1908; by original designation; junior synonym of *Trichosiphum tenuicarpus* Okajima, 1908.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neotrichosiphon* Raychaudhuri (D.N.), 1956.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Mollitrichosiphum* and *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

Monaphis Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2001.

Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Bradyaphis* Mordvilko, 1894.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

Monellia Oestlund, 1887

Publication reference: Bulletin of the Geological and Natural History Survey of Minnesota, 4: 44.

Described as genus.

Type species: *Aphis caryella* Fitch, 1855; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Monelliopsis Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 89.

Described as genus.

Type species: *Callipterus caryae* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Monzenia Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 2.

Described as genus.

Type species: *Nipponaphis globuli* Monzen, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Mordvilkoella Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 569.

Described as genus.

Type species: *Hyalopterus skorkini* Mordvilko, 1929; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Mordvilkomemor Shaposhnikov, 1950

Publication reference: *Entomologicheskoe Obozrenie*, 31 (1-2): 225.

Described as genus.

Type species: *Dentatus pilosus* Mordvilko, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevicaudus* Shaposhnikov, 1964, *Rhodiolaphis* Ivanovskaja, 1975, *Scythaphis* Kadyrbekov, 2002, and *Thuleaphis* Hille Ris Lambers, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Mordwilkoja Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale (Pavia)*, (N.S.), 4 (1): 11.

Described as genus.

Type species: *Byrsocrypta vagabunda* Walsh, 1863; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Mucrotrichaphis Knowlton & Allen, 1940

Publication reference: *Ohio Journal of Science*, 40: 31.

Described as genus.

Type species: *Mucrotrichaphis toti* Knowlton & Allen, 1940; by original designation; junior synonym of *Macrosiphum zerothermum* Knowlton & Allen, 1938.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

Muscaphis Börner, 1933

Publication reference: *Kleine Mitteilungen über Blattläuse*: 4.

Described as genus.

Type species: *Muscaphis musci* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Aspidaphium* Börner, 1939, *Toxopterella* Hille Ris Lambers, 1960, and *Sorbobium* MacGillivray & Bradley, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Mutillaphis Zhang (L.) & Zhang (G.-x.), 2001

Publication reference: Zoological Studies, 40 (1): 68.

Described as genus.

Type species: *Mutillaphis prunisucta* Zhang (L.) & Zhang (G.-x.), 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

Myzakkaia Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 177.

Described as genus.

Type species: *Myzakkaia himalayensis* Basu (A.N.), 1969; by original designation; junior synonym of *Vesiculaphis verbasci* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Myzaphis van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 96.

Described as genus.

Type species: *Aphis rosarum* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Francoa* Del Guercio, 1917.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Myzella Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 139.

Described as genus.

Type species: *Aphis galeopsidis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptomyzus* Oestlund, 1923.

Myzocallidium Börner, 1949

Publication reference: Beiträge zur Taxonomischen Zoologie, 1: 49.

Described as genus.

Type species: *Myzocallidium riehmi* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhizoberlesia* del Guercio, 1915.

Myzocallis Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.

Described as genus.

Type species: *Aphis coryli* Goeze, 1778; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Dryomyzus* Hille Ris Lambers, 1948.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Myzocallis*, *Agrioaphis* Walker, 1870, *Californicallis* Quednau & Remaudière, 1994, *Castaneomyzocallis* Quednau & Remaudière, 1987, *Globulicaudaphis* Hille Ris Lambers, 1966, *Lineomyzocallis* Richards, 1965, *Neodryomyzus* Quednau & Remaudière, 1994, *Neomyzocallis* Richards, 1965, *Paramyzocallis* Quednau & Remaudière, 1994, and *Pasekia* Aizenberg, 1959.

Myzodes Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 69.

Described as genus.

Type species: *Myzodes tabaci* Mordvilko, 1914; by subsequent designation (Börner & Schilder, 1930: 139); Junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nectarosiphon* Schouteden, 1901.

Myzodium Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 11.

Described as subgenus of *Myzodes* Mordvilko, 1914.

Type species: *Myzodes (Myzodium) rabeleri* Börner, 1950; by original designation; junior synonym of *Carolinaia modesta* Hottes, 1926.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Evallocotaphis* Zhang (G.-x.), 1998.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Myzoides van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Aphis cerasi* Fabricius, 1775; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Myzus* Passerini, 1860.

Myzopsis Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 19.

Described as genus.

Type species: *Myzopsis diervillae* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Micromyzus* van der Goot, 1917.

Myzopsis Pašek, 1955

Publication reference: Práce Výzkumných Ústavu Lesnických Československo Socialistická Republika, 8: 127.

Described as genus.

Type species: *Myzopsis plantaginis* Pašek, 1955; by original designation.

Objective status: Available but invalid — Junior homonym of *Myzopsis* Matsumura, 1918.

Useful information about the objective status: Replaced by *Pomaphis* Börner, 1939.

Myzosiphum Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 229.

Described as genus.

Type species: *Myzosiphum ryukyuensis* Tao, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Myzotoxoptera Theobald, 1927

Publication reference: Entomologist, 60: 31.

Described as genus.

Type species: *Myzotoxoptera wimshurstae* Theobald, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Myzoxylon Berthold, 1827

Publication reference: Latreille's Natürliche Familien des Thierreichs: 427.

Described as genus.

Type species: *Myzoxylus mali* Blot, 1831; by subsequent designation (Nieto

Nafria *et al.*, 2009: 121); junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Myzoxylus* Blot, 1831.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

Myzoxylus Blot, 1831

Publication reference: Mémoires de la Société Royale d'Agriculture et Commerce de Caen, 3: 332.

Described as genus.

Type species: *Myzoxylus mali* Blot, 1831; by monotypy; junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available but invalid — Junior objective synonym of *Myzoxylon* Berthold, 1827.

Myzus Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.

Described as genus.

Type species: *Aphis cerasi* Fabricius, 1775; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Myzoides* van der Goot, 1913.

Subjective status: Valid — Senior synonym of *Prunomyzus* Hille Ris Lambers & Rogerson, 1946, *Neomyzodes* Aizenberg, 1966, and *Spinaspidaphis* Heinze, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Myzus*, *Galiobium* Börner, 1933, *Nectarosiphon* Schouteden, 1901, and *Sciamyzus* Stroyan, 1954.

Namaforda Zhang (G.-x.), 1997

Publication reference: Entomotaxonomia, 19 (3): 182.

Described as genus.

Type species: *Pemphigella marginata* Tao, 1947; by original designation; junior synonym of *Forda sichangensis* Remaudière & Tao, 1957.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

Narzigulovia Umarov, 1964

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 7 (9): 25.

Described as genus.

Type species: *Namiculovia dolychosiphon* Umarov, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

Nasonovia Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Aphis ribicola* Kaltenbach, 1843; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis ribisnigri* Mosley, 1841.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pilorostris* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980, and *Submacrocephum* Hille Ris Lambers, 1931.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Nasonovia*, *Aconitaphis* Ivanovskaja, 1971, *Capitosiphon* Heie, 1979, *Eokakimia* Heie, 1979, *Kakimia* Hottes & Frison, 1931, and *Ranakimia* Heie, 1979.

Neanoecia Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 16.

Described as genus.

Type species: *Neanoecia krizusi* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Anoecia* Koch, 1857.

Neanuraphis Nevsky, 1928

Publication reference: Entomologische Mitteilungen [Berlin-Dahlem], 17 (3): 192.

Described as genus.

Type species: *Neanuraphis tarani* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macchiatiella* Del Guercio, 1909.

Neaphis Nevsky, 1929

Publication reference: Zoologische Anzeiger (Wasmann-Festband), 82: 206.

Described as genus.

Type species: *Neaphis viridis* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

Nearctaphis Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 223.

Described as genus.

Type species: *Aphis bakeri* Cowen, 1895; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Fitchiella* Shaposhnikov, 1950.

Subjective status: Valid — Senior synonym of *Amelanchieria* Shaposhnikov, 1950, *Fitchiella* Shaposhnikov, 1950, and *Mamontova* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Nectarophora Oestlund, 1887

Publication reference: Bulletin of the Geological and Natural History Survey of Minnesota, 4: 78.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Macrosiphum* Passerini, 1860.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphonophora* Koch, 1855.

Nectarosiphon Schouteden, 1901

Publication reference: Annales de la Societ  Entomologique de Belgique, 45: 112.

Described as genus.

Type species: *Aphis convolvuli* Kaltentbach, 1843; denoted by new replacement name (Article 67.8); junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Macrosiphum* Del Guercio, 1900.

Subjective status: Valid — Senior synonym of *Myzodes* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

Neoacaudus Theobald, 1927

Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 326.

Described as genus.

Type species: *Acaudus bipapillatus* Theobald, 1923; by original designation; junior synonym of *Aphis helichrysi* Kaltentbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brachycaudus* van der Goot, 1913.

Neoacyrthosiphon Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 189.

Described as genus.

Type species: *Acyrtosiphon taiheisanum* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

Neoamphorophora Mason, 1924

Publication reference: Proceedings of the Entomological Society of Washington, 26: 49.

Described as genus.

Type species: *Neoamphorophora kalmiae* Mason, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Testataphis* Börner, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neoantalus Remaudière, 1985

Publication reference: Remaudière & Autrique [Eds.], Etude FAO Production Végétal et Protection des Plantes, 64: 191.

Described as genus.

Type species: *Antalus humulariae* van Harten & Ilharco, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

Neobacillaphis Huculak, 1968

Publication reference: Annales Zoologici [Warszawa], 25 (10): 425.

Described as genus.

Type species: *Neobacillaphis szelegiewiczzi* Huculak, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Thripsaphis* Gillette, 1917

Neobetulaphis Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 226.

Described as genus.

Type species: *Neobetulaphis pusilla* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Neobrachycaudus Narzikulov, 1965

Publication reference: Entomologicheskoe Obozrenie, 44 (3): 614.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis cardui* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Prunaphis* Shaposhnikov, 1964.

Neocallipterus van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: 319.

Described as genus.

Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Kallistaphis* Kirkaldy, 1905.

Neocallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 104.

Described as genus.

Type species: *Neocallis carpinicola* Matsumura, 1919; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

Neocavariella Shinji, 1932

Publication reference: Ōyō Dōbutsugaku Zasshi, 4: 122.

Described as genus.

Type species: *Cavariella araliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

Neoceratovacuna Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 102.

Described as genus.

Type species: *Oregma panicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

Neoceruraphis Shaposhnikov, 1956

Publication reference: Trudy Zoologicheskogo Instituta Akademii Nauk SSSR, 23: 285.

Described as genus.

Type species: *Aphis viburnicola* Gillette, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ceruraphis* Börner, 1926.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neochmosis Laing, 1929

Publication reference: Theobald, The Plant Lice or Aphididae of Great Britain, 3: 129 (footnote).

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Panimerus* Laing, 1926.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Neochromaphis Takahashi, 1921

Publication reference: Ryoichi Takahashi Chosakushû, 2:24.

Described as genus.

Type species: *Neochromaphis carpini* Takahashi, 1921; by original designation; junior synonym of *Chromaphis carpinicola* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Foeniaphis* Zhang (G.-x.) & Qiao, 1998.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Neocorylobium MacGillivray, 1968

Publication reference: Annals of the Entomological Society of America, 61: 341.

Described as genus.

Type species: *Macrosiphum carpinicolens* Patch, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphum* Passerini, 1860.

Neocranaphis Ghosh (A.K.) & Quednau, 1990

Publication reference: Fauna of India and Adjacent Countries, Homoptera Aphidoididea, 5: 148.

Described as genus.

Type species: *Shivaphis arundinariae* Takahashi, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Neodecorosiphon Heinze, 1960

Publication reference: Zoologische Anzeiger, 165: 193.

Described as genus.

Type species: *Neodecorosiphon muscicolens* Heinze, 1960; by original designation; junior synonym of *Aphis poae* Hardy, 1850.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptaphis* Hille Ris Lambers, 1947.

Neodryomyzus Quednau & Remaudière, 1994

Publication reference: Canadian Entomologist, 126: 312.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis polychaetus* David, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Neodysaphis Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 191.

Described as genus.

Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; by original designation.

Objective status: Available but invalid — Junior homonym of *Neodysaphis* Narzikulov, 1961.

Useful information about the objective status: Replaced by *Nippodysaphis* Hille Ris Lambers, 1965 (*nomen novum*).

Neodysaphis Narzikulov, 1961

Publication reference: Trudy Instituta Zoologii i Parazitologii Akademii Nauk Tadzhikskoy SSR, 20: 82.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dysaphis (Neodysaphis) pseudomolli* Narzikulov, 1961; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Neodysaphis* Hille Ris Lambers, 1965.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

Neogreenidea Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: *Kontyû*, 41: 62.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea (Neogreenidea) ayyari* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

Neogreenideoida Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 7.

Described as subgenus of *Greenideoida* van der Goot, 1917.

Type species: *Greenideoida (Neogreenideoida) philippensis* Raychaudhuri (D.N.), 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenideoida* van der Goot, 1917.

Neohayhurstia Aizenberg, 1956

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obschestva*, 45: 154.

Described as genus.

Type species: *Hayhurstia tataricae* Aizenberg, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

Neohormaphis Noordam, 1991

Publication reference: *Zoologische Verhandelingen [Leiden]*, 270: 179.

Described as genus.

Type species: *Neochromaphis calva* Noordam, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Neohyalomyzus Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1: 60.

Described as genus.

Type species: *Hyalomyzus raoi* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyalomyzus* Richards, 1958.

Neoimpatientinum Agarwala, Mondal & Raychaudhuri (D.N.), 1982

Publication reference: Entomon, 7: 37.

Described as subgenus of *Impatientinum* Mordvilko, 1914.

Type species: *Impatientinum (Neoimpatientinum) smilaceti* Agarwala, Mondla & Raychaudhuri (D.N.), 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Impatientinum* Mordvilko, 1914.

Neokakimia Doncaster & Stroyan, 1952

Publication reference: Annals and Magazine of the Natural History 5: 984.

Described as subgenus of *Kakimia* Hottes & Frison, 1931.

Type species: *Kakimia (Neokakimia) saxifragae* Doncaster & Stroyan, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kakimia* Hottes & Frison, 1931.

Neolachnaphis Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36 (431): 353.

Described as genus.

Type species: *Neolachnaphis itadori* Shinji, 1924; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macchiatiella* Del Guercio, 1909.

Neolachnus Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 55.

Described as genus.

Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 1848.

Objective status: Available but invalid — Junior objective synonym of *Maculolachnus* Gaumont, 1920.

Neolizerius Blanchard (E.E.), 1939

Publication reference: Physis [Buenos Aires], 17: 873.

Described as genus.

Type species: *Neolizerius tuberculatus* Blanchard (E.E.), 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lizerius* Blanchard (E.E.), 1923.

Neomacrosiphum Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1 (1): 62.

Described as genus.

Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym of *Neomacrosiphum* van der Goot, 1915.

Useful information about the objective status: Replaced by *Sitobion* Mordvilko, 1914.

Neomacrosiphum Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980

Publication reference: Raychaudhuri [Ed.], *Aphids of North-East India and Bhutan*: 178.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym of *Neomacrosiphum* van der Goot, 1915, Junior homonym & Junior objective synonym of *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Neomacrosiphum van der Goot, 1915

Publication reference: *Beiträge zur Kenntnis der Holländischen Blattläuse*: vii.

Described as genus.

Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior objective synonym of *Aulacorthum* Mordvilko, 1914

Neomasonaphis Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Oriental Insects*, 6: 376.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Masonaphis anaphalidis* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomasonaphis* Verma, 1972.

Neomegoura Shinji, 1930

Publication reference: *Lansania*, 2: 72.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neomegouropsis Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: *Oriental Insects*, 11 (4): 584.

Described as genus.

Type species: *Megouropsus dooarsis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Megoura* Buckton, 1876.

Neometopolophium Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978

Publication reference: *Proceedings of the Zoological Society [Calcutta]*, 28 (2) [1975]: 116.

Described as subgenus of *Metopolophium* Mordvilko, 1914.

Type species: *Metopolophium (Neometopolophium) davidi* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978; by original designation; junior synonym of *Metopolophium darjeelingense* Ghosh, (L.K.), 1970.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Metopolophium* Ghosh (L.K.), 1970.

Neomyzaphis Theobald, 1926

Publication reference: *The Plant Lice or Aphididae of Great Britain*, 1: 262.

Described as genus.

Type species: *Aphis abietina* Walker, 1849; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Elatobium* Mordvilko, 1914.

Neomyzocallis Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 29.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Callipterus punctata* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Neomyzodes Aizenberg, 1966

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obschestva*, 51: 148.

Described as genus.

Type species: *Myzus ornatus* Laing, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzus* Passerini, 1860.

Neomyzus van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: vii.

Described as genus.

Type species: *Siphonophora circumflexa* Buckton, 1876; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, *Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980, and *Sumoia* Tao, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neonasonovia Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 277.

Described as subgenus of *Hyperomyzus* Börner, 1933.

Type species: *Rhopalosiphum picridis* Börner, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.

Neonippolachnus Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36: 343.

Described as genus.

Type species: *Neonippolachnus betulae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Neonipponaphis Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 9.

Described as genus.

Type species: *Neonipponaphis shiiae* Takahashi, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Neoparacletus Strom, 1942

Publication reference: Annals of the Entomological Society of America, 35: 332.

Described as genus.

Type species: *Neoparaclctus caricis* Strom, 1942; by original designation; junior synonym of *Pemphigus corrugatans* Serrine, 1894.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

Neopartrichosiphum Ghosh (A.K.) & Raychaudhuri (D.N.), 1962

Publication reference: Journal of the Asiatic Society, 4: 107.

Described as subgenus of *Partrichosiphum* Takahashi, 1931.

Type species: *Partrichosiphum* (*Neopartrichosiphum*) *khasyanum* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

Neopemphigus Mamontova & Kolomoets, 1981

Publication reference: Vestnik Zoologii, 15 (4): 37.

Described as genus.

Type species: *Neopemphigus turajevi* Mamontova & Kolomoets, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Neophorodon Takahashi, 1922

Publication reference: Proceedings of the Entomological Society of Washington, 24: 204.

Described as genus.

Type species: *Neophorodon rubi* Takahashi, 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Matsumuraja* Schumacher, 1921.

Neophyllaphis Takahashi, 1920

Publication reference: Canadian Entomologist, 52: 19.

Described as genus.

Type species: *Neophyllaphis podocarp*i Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae — With subgenera *Neophyllaphis* and *Chileaphis* Essig, 1953.

Neoprociphilus Patch, 1912

Publication reference: Bulletin of the Maine Agricultural Experiment Station, 202: 174.

Described as genus.

Type species: *Pemphigus attenuatus* Osborne & Serrine, 1892; by original designation; junior synonym of *Pemphigus aceris* Monell, 1882.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Neopterocomma Hille Ris Lambers, 1935

Publication reference: Arbeiten uber Morphologische und Taxonomische Entomologie aus Berlin-Dahlem, 2: 52.

Described as genus.

Type species: *Neopterocomma asiphum* Hille Ris Lambers, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

Neorhizobius Del Guercio, 1917

Publication reference: Redia, 12: 251.

Described as genus.

Type species: *Neorhizobius stramineus* Del Guercio, 1917; by subsequent designation (Börner & Schilder, 1930: 189); Junior synonym of *Tetraneura lentisci* Passerini, 1856.

Objective status: Available but invalid — Junior homonym of *Neorhizobius* Crotch, 1874 (Coleoptera).

Useful information about the objective status: Replaced by *Aploneura* Passerini, 1863.

Neorhopalomyzus Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 181.

Described as genus.

Type species: *Amphorophora lonicericola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neorhopalosiphoninus Ghosh (A.K.) & Raychaudhuri (D.N.), 1968

Publication reference: Proceedings of the Zoological Society [Calcutta], 21:

187.

Described as genus.

Type species: *Neorhopalosiphoninus smilacifoliae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Valid name for *Myzosiphon* Hille Ris Lambers, 1945, an unavailable name.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

Neosaltusaphis Hille Ris Lambers, 1961

Publication reference: Bulletin of the Research Council of Israel, (B, Zoology), 10: 97.

Described as genus.

Type species: *Neosaltusaphis bodenheimeri* Hille Ris Lambers, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

Neosappaphis Hille Ris Lambers, 1959

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 32 (2-3): 283.

Described as genus.

Type species: *Neosappaphis franzi* Hille Ris Lambers, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Shaposhnikoviella* Mamontova-Solukha, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neoschoutedenia Schumacher, 1923

Publication reference: Deutsche Entomologische Zeitschrift, 1923 (4): 403.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Schoutedenia* Mordvilko, 1921. Senior objective synonym of *Schoutedenum* Mordvilko, 1928.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

Neosensoriaphis Quednau, 1990

Publication reference: Canadian Entomologist, 122: 907.

Described as genus.

Type species: *Neosensoriaphis parva* Quednau, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae.

Neostomaphis Takahashi, 1960

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 10: 2.

Described as subgenus of *Stomaphis* Walker, 1870.

Type species: *Stomaphis (Neostomaphis) fagi* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

Neosymydobius Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 32.

Described as genus.

Type species: *Symydobius albasiphus* Davis, 1914; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Neothelaxes Chakrabarti & Quednau, 1996

Publication reference: Canadian Entomologist, 128: 1005.

Described as genus.

Type species: *Neothelaxes viticola* Chakrabarti & Quednau, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

Neotherioaphis Behura & Dash, 1975

Publication reference: Proceedings of the 62nd Indian Scientific Congress, 3: 211.

Described as genus.

Type species: *Neotherioaphis chhenafuli* Behura & Dash, 1975; by original

designation; junior synonym of *Myzocallis kahawaluokalani* Takahashi, 1921
Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sarucallis* Kirkaldy, 1907.

Neothomasia Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 35.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Thomasiniellula* Strand, 1917.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910.

Neothoracaphis Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 8 [1958]: 1.

Described as genus.

Type species: *Nipponaphis yanonis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Microthoracaphis* Takahashi, 1959.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Neotoxoptera Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 131.

Described as genus.

Type species: *Neotoxoptera violae* Theobald, 1915; by monotypy; junior synonym of *Micromyzus oliveri* Essig, 1935.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Indoidiopterus* Chakrabarti, Ghosh (A.K.) & Raychaudhuri (D.N.), 1972.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neotrama Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 20.

Described as genus.

Type species: *Neotrama delguercioi* Baker (A.C.), 1920; by original designation; junior synonym of *Trama caudata* Del Guercio, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Longitarsus* Shinji, 1930.

Subjective status: Valid — Senior synonym of *Longitarsus* Shinji, 1930, and *Tactilotrama* Börner, 1952.

Taxonomic position: Aphididae Lachninae Tramini — Subgenus of *Trama* von Heyden, 1837.

Neotrichosiphon Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 7.

Described as subgenus of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

Type species: *Trichosiphum tenuicarpus* Okajima, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mollitrichosiphum* Suenaga, 1934.

Neotrichosiphum Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: Kontyû, 41: 59.

Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.

Type species: *Eutrichosiphum (Neotrichosiphum) subinoyi* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

Neotuberaphis Pal & Raychaudhuri (D.N.), 1980

Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 383.

Described as genus.

Type species: *Neotuberaphis bengalensis* Pal & Raychaudhuri (D.N.), 1980; by original designation; junior synonym of *Oregma loranthi* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

Netubusaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 460.

Described as genus.

Type species: *Netubusaphis netuba* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

Neuquenaphis Blanchard (E.E.), 1939

Publication reference: *Physis* [Buenos Aires], 17: 880.

Described as genus.

Type species: *Myzocallis edwardsi* Laing, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae — With subgenera *Neuquenaphis* and *Spicaphis* Essig, 1953.

Nevadaphis Drews, 1941

Publication reference: *Pan-Pacific Entomologist*, 17: 60.

Described as genus.

Type species: *Nevadaphis sampsoni* Drews, 1941; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Nevaphis Heie, 2006

Publication reference: *Insect Systematics and Evolution*, 37 [2005]: 96.

Described as genus.

Type species: *Nevaphis nevadensis* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Nevskya Ossiannilsson, 1953

Publication reference: *Opuscula Entomologica*, 18: 233.

Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Nevskyella* Ossiannilsson, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Nevskyaphis Shaposhnikov, 1950

Publication reference: *Entomologicheskoe Obozrenie*, 31 (1-2): 225.

Described as genus.

Type species: *Dentatus bicolor* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Nevskyella Ossiannilsson, 1954

Publication reference: *Opuscula Entomologica*, 19: 54.

Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; Denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Nevskya* Ossiannilsson, 1953.

Useful information about the objective status: Replacement name (*nomen novum*) [not necessary] for *Nevskya* Ossiannilsson, 1953.

Nietonafriella Ortego, 1998

Publication reference: Nieto Nafría & Dixon [Eds.]. *Aphids in Natural and Managed Ecosystems*: 392.

Described as genus.

Type species: *Nietonafriella euclypeata* Ortego, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Nigrosiphum Heie, 2002

Publication reference: *Mainzer Naturwissenschaftliches Archiv*, 40: 116.

Described as genus.

Type species: *Nigrosiphum scholzae* Heie, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

Nippocallis Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7: 365.

Described as genus.

Type species: *Nippocallis kuricola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Castanocallis* Zhang (G.-x.) & Zhong, 1981

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Nippochaitophorus Takahashi, 1961

Publication reference: *Kontyû*, 29: 247.

Described as genus.

Type species: *Nippochaitophorus moriokaensis* Takahashi, 1961; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

Nippodysaphis Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 389.

Described as genus.

Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Neodysaphis* Hille Ris Lambers, 1965.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Nippolachnus Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 382.

Described as genus.

Type species: *Nippolachnus piri* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Nipponaphis Pergande, 1906

Publication reference: Entomological News, 17: 205.

Described as genus.

Type species: *Nipponaphis distychii* Pergande, 1906; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Nipposiphum Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7 (6): 410.

Described as genus.

Type species: *Nipposiphum salicicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

Nippotuberculatus Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 53.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Myzocallis pilosus* Takahashi, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Nishiyana Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 90.

Described as genus.

Type species: *Nishiyana aomoriensis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

Nordaphis Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 593.

Described as genus.

Type species: *Nordaphis sukatchevae* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Mindarinae.

Nudisiphon Chakrabarti & Bhattacharya, 1982

Publication reference: Annales Zoologici [Warszawa], 36: 539.

Described as genus.

Type species: *Nudisiphon chitinicauda* Chakrabarti & Bhattacharya, 1982; by original designation; junior synonym of *Xenosiphonaphis folisacculata* Kumar & Burkhardt, 1971.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Nurudea Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 65.

Described as genus.

Type species: *Nurudea ibofushi* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Floraphis* Tsai & Tang, 1946, *Fushia* Matsumura, 1917, and *Nurudeopsis* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Nurudeopsis Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 67.

Described as genus.

Type species: *Nurudeopsis shiraii* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

Nuuraphis Wegierek, 1991

Publication reference: Paleontologičeskii Journal, 2: 414.

Described as genus.

Type species: *Nuuraphis gemma* Wegierek, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

Nymphaphis Takahashi, 1960

Publication reference: Kontyû, 28 (1): 14.

Described as genus.

Type species: *Nymphaphis quercus* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Aplonervoides* Zhang (G.-x.), 1992.

Taxonomic position: Aphididae Phyllaphidinae — Subgenus of *Diphylaphis* Takahashi, 1960.

Obtusicauda Soliman, 1927

Publication reference: University of California Publications in Entomology, 4: 99.

Described as genus.

Type species: *Obtusicauda essigi* Soliman, 1927; by original designation; junior synonym of *Nectarophora coweni* Hunter, 1901.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Mucrotrichaphis* Knowlton & Allen, 1940, and *Narziculovia* Umarov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Oedisiphum van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 122.

Described as genus.

Type species: *Oedisiphum compositarum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Oestlundia Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 225.

Described as genus.

Type species: *Macrosiphum rubicola* Oestlund, 1886; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Macrosiphum* Oestlund, 1886.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

Oestlundiella Granovsky, 1930

Publication reference: Proceedings of the Entomological Society of Washington, 32: 63.

Described as genus.

Type species: *Euceraphis flavus* Davidson, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Okajimaia Suenaga, 1933

Publication reference: Kontyû, 7: 249.

Described as genus.

Type species: *Okajimaia japonica* Suenaga, 1933; by original designation; junior synonym of *Glyphinaphis bambusae* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Glyphinaphis* van der Goot, 1917.

Oligocallis Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 133.

Described as genus.

Type species: *Oligocallis larssoni* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

Omeimegoura Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 184.

Described as genus.

Type species: *Omeimegoura nigrotibiae* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomegoura* Hille Ris Lambers, 1958.

Oniscomyzus Börner, 1942

Publication reference: Veröffentlichungen des Deutschen Kolonial und
Übersee-Museums, Bremen, 3 (3): 259.

Described as genus.

Type species: *Oniscomyzus bramstedti* Börner, 1942; by original designation;
junior synonym of *Ctenocallis dobrovljanskyi* Klodnitsky, 1924.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ctenocallis* Klodnitsky, 1924.

Oothecabius Zhang (G.-x.), Zhong & Qiao, 1995

Publication reference: Entomologia Sinica, 2 (3): 213.

Described as subgenus of *Thecabius* Koch, 1857.

Type species: *Thecabius (Oothecabius) nanjingensis* Zhang (G.-x.), 1995; by
original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of
Thecabius Koch, 1857.

Orbitaphis Hong, 2002

Publication reference: Amber Insect of China: 52.

Described as genus.

Type species: *Orbitaphis minor* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Oregma Buckton, 1893

Publication reference: Indian Museum Notes, 3 (2): 87.

Described as genus.

Type species: *Oregma bambusae* Buckton, 1893; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

Orientinocallis Quednau, 2003

Publication reference: *Memoirs of the American Entomological Institute*, 72: 54.

Described as genus.

Type species: *Tinocallis distinctus* Ghosh (M.R.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —
Subgenus of *Tinocallis* Matsumura, 1919.

Orientuberculoides Hille Ris Lambers, 1974

Publication reference: *Bolletino di Zoologia Agraria e di Bachicoltura*, (ser. 2), 11 [1972-1973]: 31.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Myzocallis yokoyamai* Takahashi, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —
Subgenus of *Tuberculatus* Mordvilko, 1894.

Orobion Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 67.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Oryctaphis Scudder, 1890

Publication reference: *Report of the United States Geological Survey of the Territories*, 13: 266.

Described as genus.

Type species: *Oryctaphis lesueurii* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Ossiannilssonia Hille Ris Lambers, 1952

Publication reference: Entomologisk Tidsskrift, 73: 41.

Described as genus.

Type species: *Ossiannilssonia oelandica* Hille Ris Lambers, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Ovatoides Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 79.

Described as genus.

Type species: *Aphis inulae* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Ovatus* van der Goot, 1913.

Ovatomyzus Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 28: 306.

Described as genus.

Type species: *Ovatomyzus stachyos* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Ovatophorodon Aizenberg, 1966

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obschestva, 51: 136.

Described as genus.

Type species: *Ovatophorodon menthae* Aizenberg, 1966; by original designation; junior synonym of *Phorodon mentharius* van der Goot, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ovatus* van der Goot, 1913.

Ovatus van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Ovatus mespili* van der Goot, 1913; by original designation; junior synonym of *Aphis insita* Walker, 1849.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ovatophorodon* Aizenberg, 1966.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Ovatus*, and *Ovatoides* Börner, 1939.

Oviparosiphum Shaposhnikov, 1979

Publication reference: Paleontologicheskii Zhurnal, 4: 75.

Described as genus.

Type species: *Oviparosiphum jakovlevi* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Pachypappa Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 269.

Described as genus.

Type species: *Pachypappa marsupialis* Koch, 1856; by subsequent designation (Wilson, 1910: 152).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Asiphum* Koch, 1856 (first reviser: Stroyan, 1975), *Pemphiglachnus* Knowlton, 1928, *Rhizomaria* Hartig, 1857, and *Sigmacallis* Zhang (G.-x.), 1981.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Pachypappella Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 71.

Described as genus.

Type species: *Pachypappa lactea* Tullgren, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Pacificallis Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 66.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Pacificallis) columbiae* Richards, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —
Subgenus of *Tuberculatus* Mordvilko, 1894.

Paczoskia Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomyye
poluzestkokrylye, 1 (1): 63.

Described as genus.

Type species: *Paczoskia paczoskii* Mordvilko, 1919; by subsequent designation
(Mordvilko, 1919: 331).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Paducia Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19:
167.

Described as genus.

Type species: *Melanoxantherium antennatum* Patch, 1913; by original
designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

Palaeoforda Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 588.

Described as genus.

Type species: *Palaeoforda tajmyrensis* Kononova, 1977; by original
designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

Palaeogreenidea Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 95.

Described as genus.

Type species: *Palaeogreenidea rittae* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae.

***Palaeophyllaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 97.

Described as genus.

Type species: *Palaeophyllaphis longirostris* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Palaeosiphon* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 119.

Described as genus.

Type species: *Aphis hirsuta* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Palaeosiphoninae.

***Palaeothelaxes* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 42.

Described as genus.

Type species: *Palaeothelaxes setosa* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

***Panaphis* Kirkaldy, 1904**

Publication reference: *Entomologist*, 37: 279.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2293]. Replacement name (*nomen novum*) for *Ptychodes* Buckton, 1881; replacement name for *Callipterus* Koch, 1855. Senior objective synonym of *Callipterinola* Strand, 1928.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Panimerus* Laing, 1926**

Publication reference: *Entomologist*, 59: 323.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Panimerus* Eaton, 1913 (Diptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Dilachnus* Baker (A.C.), 1919. Replaced by *Neochmosis* Laing, 1929 (*nomen novum*).

Paoliella Theobald, 1928

Publication reference: Bulletin of Entomological Research, 19: 177.

Described as genus.

Type species: *Paoliella hystrix* Theobald, 1928; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Unipterus* Hall, 1932.

Taxonomic position: Aphididae Lizeriinae — With subgenera *Paoliella* and *Lizerocallis* Sousa-Silva & Ilharco, 2003.

Papillaphis Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft 3 (1): 459.

Described as genus.

Type species: *Doralina taraxacicola* Börner, 1940; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Tuberculaphis* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Papillomyzus Szelegiewicz, 1963

Publication reference: Annales Zoologici [Warszawa], 21: 54.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella (Papillomyzus) riedeli* Szelegiewicz, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

Papulaphis Robinson, 1966

Publication reference: Canadian Entomologist, 98: 1256.

Described as genus.

Type species: *Macrosiphum sleesmani* Pepper, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Parabrachyunguis Remaudière & Davatchi, 1955

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 33 [1954]: 241.

Described as subgenus of *Brachyunguis* Das (B.), 1918.

Type species: *Brachyunguis (Parabrachyunguis) kaussarii* Remaudière & Davatchi, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brachyunguis* Das (B.), 1918.

Paracallipterus Raychaudhuri (D.N.) & Ghosh (A.K.), 1964

Publication reference: Zoologische Mededelingen [Leiden], 39: 260.

Described as genus.

Type species: *Paracallipterus kalipadi* Raychaudhuri (D.N.) & Ghosh (A.K.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Taiwanaphis* Takahashi, 1934.

Paracerataphis Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 34.

Described as genus.

Type species: *Paracerataphis tremulae* Mordvilko, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Doraphis* Matsumura & Hori, 1929.

Parachaitophorus Takahashi, 1937

Publication reference: Konowia, 16: 90.

Described as genus.

Type species: *Patchia spiraeae* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Parachaitophorinae.

Paracletus von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem

Gebiete der Beschreibenden Naturforschenden Gesellschaft, 2 (3): 294.

Described as genus.

Type species: *Paracletus cimiciformis* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hemitrama* Mordvilko, 1921, and of *Fordona* Mordvilko, 1935.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Paracolopha Hille Ris Lambers, 1966

Publication reference: *Hilgardia*, 37: 600.

Described as genus.

Type species: *Dryopeia morrisoni* Baker (A.C.), 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Paradoxaphis Sunde, 1988

Publication reference: *New Zealand Journal of Zoology*, 14 [1987]: 587.

Described as genus.

Type species: *Paradoxaphis aristoteliae* Sunde, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Paragreenidea Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 8.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea viticola* Takahashi, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

Paragreenideoida Raychaudhuri (D.N.) & Chatterjee, 1980

Publication reference: Raychaudhuri [Ed.], *Aphids of North-East India and Bhutan*: 350.

Described as subgenus of *Greenideoida* van der Goot, 1917.

Type species: *Greenideoida ceyloniae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenideoida* van der Goot, 1917.

***Paralizerius* Quednau, 1974**

Publication reference: Canadian Entomologist, 106: 48.

Described as subgenus of *Lizerius* Blanchard (E.E.), 1923.

Type species: *Lizerius (Paralizerius) cermelii* Quednau, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae — Subgenus of *Lizerius* Blanchard (E.E.), 1923.

***Paramyzocallis* Quednau & Remaudière, 1994**

Publication reference: Canadian Entomologist, 126: 315.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis tenochca* Quednau & Remaudière, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Paramyzus* Börner, 1933**

Publication reference: Kleine Mitteilungen über Blattläuse: 4.

Described as genus.

Type species: *Paramyzus heraclei* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976**

Publication reference: Entomon, 1 (1): 62.

Described as subgenus of *Neomyzus* van der Goot, 1915.

Type species: *Aulacorthum (Neomyzus) dicentrae* Basu (A.N.), 1967; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Subjective status: Junior synonym of *Neomyzus* van der Goot, 1915.

***Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980**

Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 228.

Described as subgenus of *Neomyzus* van der Goot, 1915.

Type species: *Aulacorthum dicentrae* Basu (A.N.), 1967; by original designation.

Objective status: Available but invalid — Junior homonym & Junior objective synonym of *Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

Paranipponaphis Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 3.

Described as genus.

Type species: *Paranipponaphis takaoensis* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Paranoecia Zwölfer, 1957

Publication reference: Zeitschrift für Angewandte Entomologie, 40: 198.

Described as genus.

Type species: *Anoecia pskovica* Mordvilko, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae — Subgenus of *Anoecia* Koch, 1857.

Paraoregma Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 105.

Described as genus.

Type species: *Oregma alexanderi* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

Paraphorodon Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 10: 205.

Described as genus.

Type species: *Paraphorodon omeishanensis* Tseng & Tao, 1938; by original designation; junior synonym of *Phorodon cannabis* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Diphorodon* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Paraprociophilus* Mordvilko, 1923**

Publication reference: Doklady Rossiyskoy Akademii Sel'skokhozyaystvennykh Nauk, 1923: 44.

Described as genus.

Type species: *Pemphigus baicalensis* Cholodkovsky, 1921; by subsequent designation (Mordvilko, 1929: 38).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociophilus* Koch, 1857.

***Paraschizaphis* Hille Ris Lambers, 1947**

Publication reference: Zoologische Mededelingen [Leiden], 28: 315.

Described as subgenus of *Schizaphis* Börner, 1931.

Type species: *Toxoptera typhae* Laing, 1923; by original designation; junior synonym of *Toxoptera scirpi* Passerini, 1874.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — Subgenus of *Schizaphis* Börner, 1931.

***Parastomaphis* Pašek, 1953**

Publication reference: Věstník Československé Zoologické Společnosti, 17: 157.

Described as subgenus of *Stomaphis* Walker, 1870.

Type species: *Stomaphis graffii* Cholodkovsky, 1894; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

***Parathecabius* Börner, 1950**

Publication reference: Neue Europäische Blattlausarten: 18.

Described as genus.

Type species: *Thecabius lysimachiae* Börner, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Thecabius* Koch, 1857.

***Parathoracaphis* Takahashi, 1958**

Publication reference: Insecta Matsumurana, 22: 13.

Described as genus.

Type species: *Thoracaphis setigera* Takahashi, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hoplothoracaphis* Pramanick, Samanta & Raychaudhuri (D.N.), 1983.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Parathoracaphisella Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: Akitu, (N.S.), 57: 4.

Described as genus.

Type species: *Parathoracaphisella indica* Pramanik, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Paratinocallis Higuchi, 1972

Publication reference: Insecta Matsumurana, 35: 30.

Described as genus.

Type species: *Paratinocallis corylicola* Higuchi, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Mesocallis* Matsumura, 1919.

Paratoxoptera Blanchard (E.E.), 1944

Publication reference: Acta Zoológica Lilloana, 2: 19.

Described as genus.

Type species: *Aphis argentiniensis* Blanchard (E.E.), 1941; by original designation; junior synonym of *Myzus citricidus* Kirkaldy, 1907.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

Paratrichosiphum Takahashi, 1931

Publication reference: Department of Agriculture Government Research Institute Formosa Report, 53: 31.

Described as genus.

Type species: *Greenidea tattakana* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

Paroviparosiphum Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 29.

Described as genus.

Type species: *Paroviparosiphum opimum* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Parvaverrucosa Poinar & Brown, 2006

Publication reference: Proceedings of the Entomological Society of Washington, 108: 734.

Described as genus.

Type species: *Verrucosa annulata* Poinar & Brown, 2005; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Verrucosa* Poinar & Brown, 2005.

Subjective status: Valid.

Taxonomic position: Parvaverrucosidae.

Pasekia Aizenberg, 1959

Publication reference: Zoologicheskii Zhurnal, 38 (11): 1677.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Hoplocallis komareki* Pašek, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

Passerinia Macchiati, 1880

Publication reference: Rivista Scientifico-Industriale, Firenze, 12 (16): 356.

Described as genus.

Type species: *Passerinia rosae* Macchiati, 1880; by monotypy; junior synonym of *Aphis rosae* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphum* Passerini, 1860.

Patchia Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 34.

Described as genus.

Type species: *Patchia virginiana* Baker (A.C.), 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Patchiella Tullgren, 1925

Publication reference: Meddelelser från Centralanstalt för Försöksväsendet på Jordbruksområdet, 280: 11.

Described as genus.

Type species: *Schizoneura reaumuri* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Paulianaphis Essig, 1957

Publication reference: Naturaliste Malgache, 9: 208.

Described as genus.

Type species: *Paulianaphis madagascariensis* Essig, 1957; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

Pehuenchaphis Mier Durante, Nieto Nafria & Ortego, 2003

Publication reference: Canadian Entomologist, 135: 202.

Described as genus.

Type species: *Pehuenchaphis agilissima* Mier Durante, Nieto Nafria & Ortego, 2003; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Peltaphis Frison & Ross, 1933

Publication reference: Canadian Entomologist, 65: 152.

Described as subgenus of *Thripsaphis* Gillette, 1917.

Type species: *Thripsaphis (Peltaphis) hottesi* Frison & Ross, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

Pemphigella Tullgren, 1909

Publication reference: Arkiv für Zoologi, 5: 171 (footnote).

Described as genus.

Type species: *Pemphigus cornicularius* Passerini, 1856; by original designation; junior synonym of *Aphis pistaciae* Linnaeus, 1767.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Baizongia* Rondani, 1848.

Pemphigetum Mordvilko, 1928

Publication reference: Bulletin de la Societé Zoologique de France, 53: 359.

Described as genus.

Type species: *Pemphigetum muticae* Mordvilko, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

Pemphiginus Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 153.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus populi* Curchet, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Subgenus of *Pemphigus* Hartig, 1839.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Pemphiglachnus Knowlton, 1928

Publication reference: Annals of the Entomological Society of America, 21: 264.

Described as genus.

Type species: *Pemphiglachnus kaibabensis* Knowlton, 1928; by original designation; junior synonym of *Asiphum sacculi* Gillette, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

Pemphigus Hartig, 1839

Publication reference: Jahresberichte über die Fortschritte der Forstwissenschaft und forstlichen Naturkunde, 1 (4): 645.

Described as genus.

Type species: *Aphis bursaria* Linnaeus, 1758; by subsequent designation (Fitch, 1855: 7, footnote).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on the Official List of Generic Names in Zoology [Opinion 1019; name number 1999]. Senior objective synonym of *Aphioides* Rondani, 1848. Conserved name by the International Commission on Zoological Nomenclature (2006) by suppression of *Rhizobius* Burmeister, 1835 [Opinion 2137].

Subjective status: Valid — Senior synonym of *Baizongiella* Blanchard (E.E.), 1944, *Desiforda* Zhang (G.-x.), Qiao & Chen, 1999, *Hamadryaphis* Kirkaldy,

1904, *Kessleria* Lichtenstein, 1886, *Rhizophthiridium* van der Hoeven, 1840, and *Rhyzoicus* Passerini, 1860.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Pemphigus* and *Pemphiginus* Börner, 1930.

Penaphis Lin, 1980

Publication reference: Mesozoic Insect Fossils from Zhejiang and Anhui Province: 223.

Described as genus.

Type species: *Penaphis circa* Lin, 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Pentacerinaphis Ivanovskaja-Shubina, 1965

Publication reference: Cherepanov [Ed.], *Novye i Maloizvestnye Vidy Fauny Sibiri*, 1: 59.

Described as genus.

Type species: *Pentacerinaphis samagaltaica* Ivanovskaja-Shubina, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

Pentalonia Cockerell, 1859

Publication reference: *Annales de la Soci t  Entomologique de France*, (3), 7: 259.

Described as genus.

Type species: *Pentalonia nigronervosa* Cockerell, 1859; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pentamyzus Hille Ris Lambers, 1966

Publication reference: *Hilgardia*, 37: 601.

Described as genus.

Type species: *Pentamyzus graminis* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pentaphis Horv th, 1896

Publication reference: *Wiener Entomologische Zeitung*, 15 (1): 2.

Described as genus.

Type species: *Forda marginata* Koch, 1857; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

Pentatrichopus Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 140.

Described as genus.

Type species: *Aphis tetrarhoda* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

Pentatrichosiphum Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 182.

Described as genus.

Type species: *Pentatrichosiphum luteum* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenideoida* van der Goot, 1917.

Pergandeida Schouteden, 1903

Publication reference: Zoologische Anzeiger, 26: 686.

Described as genus.

Type species: *Pergandeida ononidis* Schouteden, 1903; by original designation; junior synonym of *Aphis kaltenbachi* Hille Ris Lambers, 1955.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Perillaphis Takahashi, 1965

Publication reference: Insecta Matsumurana, 27: 101.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Macrosiphum perillae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Aulacorthum* Mordvilko, 1914.

Periphyllus van der Hoeven, 1863

Publication reference: Tijdschrift voor Entomologie, 6: 5.

Described as genus.

Type species: *Periphyllus testudo* van der Hoeven, 1863; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available & potentially valid.

Useful information about the objective status: Nomen protectum (Nieto Nafría & Pérez Hidalgo, 2003: 211) over *Phyllophorus* Thornton, 1853. Replacement name for *Chelymorpha* Clarke, 1858, and for *Phyllophora* Fernie, 1852.

Subjective status: Valid — Senior synonym of *Chaetophoria* Börner, 1940, *Chaitophorinella* van der Goot, 1913, and *Chaitophorinus* Börner, 1930. Junior synonym of *Chelymorpha* Clarke, 1858 (an invalid name), and *Phyllophora* Fernie, 1852 (an invalid name).

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Petiolaphioides Hong & Wang, 1990

Publication reference: Laiyang Basin Stratum, Shandong, V. Insect Fossils: 88.

Described as genus.

Type species: *Petiolaphioides shandongensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

Petiolaphis Hong & Wang, 1990

Publication reference: Laiyang Basin Stratum, Shandong, V. Insect Fossils: 86.

Described as genus.

Type species: *Petiolaphis laiyangensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

Phalangomyzus Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 83.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Siphonophora oblonga* Mordvilko, 1901; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of

Macrosiphoniella Del Guercio, 1911.

Phillophorus Thornton, 1853

Publication reference: Transactions of the Royal Entomological Society of London, (ser. 2), 2 [1852], Proc.: 78.

Described as genus.

Type species: *Phillophorus testudinatus* Thornton, 1853; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Nomen oblitum (Nieto Nafria & Pérez Hidalgo, 2003: 211).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863 (*nomen protectum*). Senior objective synonym of *Chaitophorinella* van der Goot, 1913.

Phloeomyzus Horváth, 1896

Publication reference: Wiener Entomologische Zeitung, 15 (1): 5.

Described as genus.

Type species: *Schizoneura passerinii* Signoret, 1875; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Loewia* Lichtenstein, 1886.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Phlomimyzus Narzikulov & Daniyarova, 1979

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obshchestva, 61: 44.

Described as subgenus of *Cryptomyzus* Oestlund, 1923.

Type species: *Phlomimyzus tadzhikistanicus* Narzikulov & Daniyarova, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

Phorodon Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.

Described as genus.

Type species: *Aphis humuli* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 446; name number 1054].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Phyllaphis Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 248.

Described as genus.

Type species: *Aphis fagi* Linnaeus, 1767; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Phyllaphoides Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 75.

Described as genus.

Type species: *Phyllaphoides bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Phyllophora Fernie, 1852

Publication reference: Naturalist, Morris, 2: 265.

Described as genus.

Type species: *Phyllophora testudinacea* Fernie, 1852; by monotypy.

Objective status: Available but invalid — Junior homonym of *Phyllophora* Thunberg, 1815 (Orthoptera), of *Phyllophora* Macquart, 1835 (Diptera), of *Phyllophora* Gray, 1838 (Mammalia), and of *Phyllophora* Milne-Edwards, 1840 (Crustacea).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

Phymatosiphum Davis, 1909

Publication reference: Annals of the Entomological Society of America, 2: 196.

Described as genus.

Type species: *Siphonophora acerifoliae* Thomas, 1878; by subsequent designation (Favret, Miller, Nieto Nafria & Cortés Gabaudan, 2008: 392).

Objective status: Available but invalid — Junior objective synonym of *Drepanaphis* Del Guercio, 1909.

Piceaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 464.

Described as genus.

Type species: *Piceaphis piceaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

Picturaphis Blanchard (E.E.), 1922

Publication reference: Physis [Buenos Aires], 6: 44.

Described as genus.

Type species: *Picturaphis vignaphilus* Blanchard (E.E.), 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Microparsus* Patch, 1909.

Pilobtusaphis Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 32.

Described as genus.

Type species: *Pilobtusaphis dsengei* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Chaitophorinae.

Pilorostris Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: Insecta Matsumurana, (N.S.), 20: 28.

Described as genus.

Type species: *Pilorostris simlaensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation; junior synonym of *Nasonovia* (*Kakimia*) *rostrata* David & Hameed, 1974.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

Piraphis Börner, 1931

Publication reference: Börner & Schilder, Aphidoidea [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 597.

Described as genus.

Type species: *Pyraphis streili* Börner, 1931; by original designation; junior

synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available but invalid — Junior objective synonym of *Pyraphis* Börner, 1931.

Pityaria Börner, 1949

Publication reference: Beiträge zur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinaropsis* Börner, 1939.

Type species: *Lachnus pruinosus* Hartig 1841; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Placoaphis Richards, 1961

Publication reference: Canadian Entomologist, 93: 624.

Described as genus.

Type species: *Placoaphis siphunculata* Richards, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

Platyaphis Takahashi, 1957

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 26 (7-8): 109.

Described as genus.

Type species: *Platyaphis fagi* Takahashi, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

Pleotrichophorus Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 138.

Described as subgenus of *Capitophorus* van der Goot, 1913.

Type species: *Aphis glandulosa* Kaltenbach, 1846; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Plioaphis Heie, 1968

Publication reference: Beihandlungen Berichte der Naturhistorischen Gesellschaft, 6: 30.

Described as genus.

Type species: *Plioaphis subhercynica* Heie, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

Plocamaphis Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 122.

Described as genus.

Type species: *Melanoxanthus flocculosus* Weed, 1891; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Radisectaphis* Zhang (G.-x.), 1991.

Taxonomic position: Aphididae Pterocommatinae.

Polychaitocallis Hong, 2002

Publication reference: Amber Insect of China: 72.

Described as genus.

Type species: *Polychaitocallis ovata* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Polygonaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 471.

Described as genus.

Type species: *Polygonaphis aciculansucta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aphis adjuvans* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aspidaphis* Gillette, 1917.

Polytrichaphis Miyazaki, 1971

Publication reference: Insecta Matsumurana, 34: 166.

Described as genus.

Type species: *Polytrichaphis fragilis* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pomaphis Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Aphis pyri* Boyer de Fonscolombe, 1841; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Dentatus* van der Goot, 1913 and for *Myzopsis* Pašek, 1955.

Subjective status: Valid — Senior synonym of *Myzopsis* Pašek, 1955; Junior synonym of *Dentatus* van der Goot, 1913 (a invalid name).

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

Precinara Zhang (J.-f.), Sun & Zhang (X.-y.), 1994

Publication reference: Science Press [Beijing]: 61.

Described as genus.

Type species: *Precinara minutissima* Zhang (J.-f.), Sun & Zhang (X.-y.), 1994; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini.

Primoriaphis Quednau & Shaposhnikov, 1988

Publication reference: Canadian Entomologist, 120: 1019.

Described as subgenus of *Subsaltusaphis* Quednau, 1952.

Type species: *Subsaltusaphis (Primoriaphis) pulchra* Quednau & Shaposhnikov, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Subsaltusaphis* Quednau, 1952.

Procalaphis Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 23.

Described as genus.

Type species: *Aphis tuberculata* von Heyden, 1837; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Callipterinella* van der Goot, 1913.

Prociphilus Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 279.

Described as genus.

Type species: *Aphis bumeliae* Schrank, 1801; by subsequent designation (Gerstaecker, 1859: 249).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Anocaudus* Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969, *Holzneria* Lichtenstein, 1875, and *Nishiyana* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Prociphilus*, *Meliarhizophagus* Smith, 1974, *Neoparacletus* Strom, 1942, *Paraprociophilus* Mordvilko, 1923, *Pulvius* Sanborn, 1906, and *Stagona* Koch, 1857.

Promicrella Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: *Promicrella ramicola* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Protacaudinum Holman, 1991

Publication reference: Entomologia Generalis, 16 (3): 216

Described as subgenus of *Acaudinum* Börner, 1930.

Type species: *Acaudinum beheni* Remaudière & Davatchi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acaudinum* Börner, 1930.

Protaphis Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft Beihaft 3 (1): 93.

Described as genus.

Type species: *Brachyunguis anthemidis* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Alhambra* Gómez-Menor, 1958, and *Dasia* Gómez-Menor, 1951 (a junior homonym name).

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Protohormaphis Shaposhnikov & Gabrid, 1987

Publication reference: Entomologicheskoe Obozrenie, 66 (4): 765.

Described as genus.

Type species: *Protohormaphis piceae* Shaposhnikov & Gabrid, 1987; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

Protolachnus Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 145.

Described as genus.

Type species: *Protolachnus tuberculostemmata* Theobald, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eulachnus* Del Guercio, 1909.

Protoptero callis Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 69.

Described as genus.

Type species: *Protoptero callis canadensis* Richards, 1965; by original designation; junior synonym of *Aphis fumipennella* Fitch, 1855.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Protrama Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 19.

Described as genus.

Type species: *Trama radialis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini.

Prunaphis Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 586.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis cardui* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neobrachycaudus* Narzikulov, 1965.

Subjective status: Valid — Senior synonym of *Neobrachycaudus* Narzikulov, 1965.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Prunomyzus Hille Ris Lambers & Rogerson, 1946

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 15: 105.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Prunomyzus) padellus* Hille Ris Lambers & Rogerson, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzus* Passerini, 1860.

Pseudacaudella Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 9.

Described as genus.

Type species: *Acaudella rubida* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Schizomyzus* Börner, 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudambria Richards, 1966

Publication reference: Canadian Entomologist, 98: 758.

Described as genus.

Type species: *Pseudambria longirostris* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

Pseudamphorophora Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 175.

Described as genus.

Type species: *Pseudamphorophora succini* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudaphis Hille Ris Lambers, 1956

Publication reference: Bollettino del Laboratorio di Zoologia Generale e Agraria di Portici, 33: 172.

Described as genus.

Type species: *Macrosiphum (Sitobion) sijui* Eastop, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudasiphonaphis Robinson, 1965

Publication reference: Canadian Entomologist, 97: 1009.

Described as genus.

Type species: *Asiphonaphis anogis* Hottes & Frison, 1931; by original designation; junior synonym of *Pergandeida corni* Tissot, 1929.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Pseudessigella Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 219.

Described as genus.

Type species: *Pseudessigella brachychaeta* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini.

Pseudoacyrthosiphon Ghosh (A.K.) & Raychaudhuri (D.N.), 1969

Publication reference: Oriental Insects, 3: 94.

Described as subgenus of *Neoacyrthosiphon* Tao, 1963.

Type species: *Macrosiphum holsti* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

Pseudoastegopteryx Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 109.

Described as genus.

Type species: *Pseudoastegopteryx himalayensis* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

Pseudobrevicoryne Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10: 763.

Described as genus.

Type species: *Brevicoryne buhri* Börner, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudocercidis Richards, 1961

Publication reference: Canadian Entomologist, 93: 622.

Described as genus.

Type species: *Pseudocercidis rosae* Richards, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudocerosipha Shinji, 1932

Publication reference: Ishii (Y.) [Ed.], Engei Shokubutsu no Byôgaityû: 238.

Described as genus.

Type species: *Pseudocerosipha pruni* Shinji, 1932; by monotypy; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

Pseudochromaphis Zhang (G.-x.), 1982

Publication reference: Zhang (G.-x.) & Zhong, Acta Zootaxonomica Sinica, 7 (1): 70.

Described as genus.

Type species: *Chromaphis coreanus* Paik, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Pseudoepameibaphis Gillette & Palmer, 1932

Publication reference: Annals of the Entomological Society of America, 25: 145.

Described as genus.

Type species: *Pseudoepameibaphis glauca* Gillette & Palmer, 1932; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudolachnus Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 730.

Described as genus.

Type species: *Pseudolachnus yomogi* Shinji, 1922; by monotypy; junior

synonym of *Cryptosiphum artemisiae* Buckton, 1879.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptosiphum* Buckton, 1879.

***Pseudomegoura* Shinji, 1929**

Publication reference: *Lansania*, 1: 112.

Described as genus.

Type species: *Macrosiphum nishikigi* Shinji, 1928; by original designation; junior synonym of *Rhopalosiphum magnoliae* Essig & Kuwana, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aulacorthum* Mordvilko, 1914.

***Pseudomicrella* Börner, 1949**

Publication reference: *Beiträge sur Taxonomischen Zoologie*, 1: 55.

Described as genus.

Type species: *Aphis vitellinae* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Pseudonipponaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973**

Publication reference: *Kontyû*, 41: 483.

Described as subgenus of *Nipponaphis* Pergande, 1906.

Type species: *Nipponaphis machiliphaga* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schizoneuraphis* van der Goot, 1917.

***Pseudoprotaphis* Kadyrbekov, 2001**

Publication reference: *Tethys Entomological Research*, 3: 92.

Described as genus.

Type species: *Aphis erigerontis* Holman, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.

***Pseudopterocomma* MacGillivray, 1963**

Publication reference: *Canadian Entomologist*, 95: 941.

Described as subgenus of *Fullawaya* Essig, 1912.

Type species: *Fullawaya hughii* MacGillivray, 1963; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Pseudoregma Doncaster, 1966

Publication reference: Entomologist, 99: 159.

Described as genus.

Type species: *Oregma bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoceratovacuna* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, *Paraoregma* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, and *Indoregma* Chakrabarti & Maity, 1982.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Pseudorhopalosiphoninus Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 90.

Described as genus.

Type species: *Rhopalosiphum calthae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

Pseudothoracaphis Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: Insecta Matsumurana, (N.S.), 20: 36.

Described as genus.

Type species: *Pseudothoracaphis himachali* Raychaudhuri (D.N.), Gosh (L.K.) & Das (S.K.); by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Heminipponaphis* Chakrabarti & Raha, 1985.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Pseudotinocallis Ghosh (A.K.) & Quednau, 1990

Publication reference: Fauna of India and Adjacent Countries, Homoptera Aphidoidea, 5: 262.

Described as genus.

Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Quednaucallis* Chakrabarti, 1988.

Pterasthenia Stroyan, 1952

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 21: 149.

Described as genus.

Type species: *Pterasthenia shiraensis* Stroyan, 1952; by original designation.
 Objective status: Available & potentially valid.
 Subjective status: Valid — Senior synonym of *Antalus* Adams, 1965.
 Taxonomic position: Aphididae Pterastheniinae.

***Pteriaphis* Gaumont, 1923**

Publication reference: Annales des Épiphyties, 9: 342.
 Described as genus.
 Type species: There is none.
 Objective status: Available & potentially valid.
 Subjective status: Nomen dubium.
 Taxonomic position: Aphididae Calaphidinae.

***Pterocallidium* Börner, 1949**

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 49.
 Described as genus.
 Type species: *Chaitophorus maculatus* Buckton, 1899; by original designation;
 junior synonym of *Callipterus trifolii* Monell, 1882.
 Objective status: Available & potentially valid.
 Subjective status: Valid — Senior synonym of *Triphyllaphis* Börner, 1949.
 Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —
 Subgenus of *Therioaphis* Walker, 1870.

***Pterocallis* Passerini, 1860**

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.
 Described as genus.
 Type species: *Aphis alni* Fabricius, 1781; by original designation; junior
 synonym of *Aphis alni* De Geer, 1773.
 Objective status: Available & potentially valid.
 Useful information about the objective status: Senior objective synonym of
Subcallipterus Mordvilko, 1894.
 Subjective status: Valid.
 Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With
 subgenera *Pterocallis* and *Recticallis* Matsumura, 1919.

***Pterochloroides* Mordvilko, 1914**

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye
 poluzestkokrylye, 1 (1): 23 (footnote).
 Described as genus.
 Type species: *Lachnus persicae* Cholodkovsky, 1899; by monotypy.
 Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Tuberodryobius* Das (B.), 1918.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Pteroclorus Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by monotypy.

Objective status: Available but invalid — Junior objective synonym of *Lachnus* Burmeister, 1835.

Pterocomma Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 142.

Described as genus.

Type species: *Pterocomma pilosa* Buckton, 1879; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Aphioides* Passerini, 1860.

Subjective status: Valid — Senior synonym *Aristaphis* Kirkaldy, 1905, *Clavigerus* Szépligeti, 1883, *Melanoxanterium* Schouteden, 1901, *Melanoxanthus* Buckton, 1879 (a junior homonym name), and *Stauroceras* Börner, 1940 — Junior synonym name of of *Aphioides* Passerini, 1860 (an invalid name), *Cladobius* Koch, 1856 (an invalid name).

Taxonomic position: Aphididae Pterocommatinae.

Pterostigma Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 178.

Described as genus.

Type species: *Pterostigma recurvum* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

Ptychodes Buckton, 1881

Publication reference: Monograph of the British Aphides, 3: 39.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by monotypy.

Objective status: Available but invalid — Junior homonym of *Ptychodes* Dejean, 1835 (Coleoptera), of *Ptychodes* Audinet-Serville, 1835 (Coleoptera), of *Ptychodes* Fischer de Waldheim, 1848 (Mollusca) and of *Ptychodes* Diesing, 1863 (Nemertines).

Useful information about the objective status: Replaced by *Panaphis* Kirkaldy, 1904 (*nomen novum*).

Pulvius Sanborn, 1906

Publication reference: Kansas University Science Bulletin, 3: 225.

Described as genus.

Type species: *Pulvius probosceus* Sanborn, 1906; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

Pyraphis Börner, 1931

Publication reference: Anzeiger für Schädlingskunde, 7: 10.

Described as genus.

Type species: *Pyraphis streili* Börner, 1931; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Piraphis* Börner, 1931.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Pyrethromyzus Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 15.

Described as genus.

Type species: *Macrosiphum sanborni* Gillette, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

Pyrolachnus Basu (A.N.) & Hille Ris Lambers, 1968

Publication reference: Entomologische Berichten [Amsterdam], 28: 13.

Described as genus.

Type species: *Lachnus pyri* Buckton, 1899; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Quadrartus Monzen, 1954

Publication reference: Annual Report of the Gakugei Faculty of the Iwate University, 7 (2): 54.

Described as genus.

Type species: *Quadrartus yoshinomiyai* Monzen, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Quednaucallis Chakrabarti, 1988

Publication reference: *Oriental Insects*, 2: 52.

Described as subgenus of *Tinocallis* Matsumura, 1919.

Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Pseudotinocallis* Ghosh (A.K.) and Quednau, 1990.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Quernaphis Takahashi, 1958

Publication reference: *Kontyû*, 26 (4): 182.

Described as genus.

Type species: *Thoracaphis tuberculata* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Quippelachnus Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 134.

Described as genus.

Type species: *Euceraphis gillettei* Davidson, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

Quisqueyaaphis Wegierek, 2001

Publication reference: *Annales Zoologici* [Warszawa], 51: 409.

Described as genus.

Type species: *Quisqueyaaphis heiei* Wegierek, 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

Radiaphis Pashchenko, 2000

Publication reference: *Zoologicheskii Zhurnal*, 79 (11): 1170.

Described as genus.

Type species: *Radiaphis cirsii* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

Radcisiphum Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 472.

Described as genus.

Type species: *Radcisiphum cirsomilos* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aulacorthum cirsorhizum* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

Radisectaphis Zhang (G.-x.), 1991

Publication reference: Zhang (G.-x.) & Zhong, Insects of Xizang: Homoptera: Aphidoidea: 273.

Described as genus.

Type species: *Radisectaphis gyirongensis* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Plocamaphis* Oestlund, 1923.

Ramitrichophorus Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 28: 291.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella jancke* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

Ranakimia Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 23.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Nectarophora purpurascens* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

Rappardiella Noordam, 1991

Publication reference: Zoologische Verhandlungen [Leiden], 270: 231.

Described as genus.

Type species: *Oregma loranthe* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

Raychaudhuriaphis Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: Akitu, (N.S.), 57: 7.

Described as genus.

Type species: *Raychaudhuriaphis capitata* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Raychaudhuriella Chakrabarti, 1978

Publication reference: Zoological Journal of the Linnean Society, 62: 355.

Described as genus.

Type species: *Raychaudhuriella myzaphoides* Chakrabarti, 1979; by original designation; junior synonym of *Eoessigia indica* David, Rajasingh & Narayanan, 1972.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eoessigia* David, Rajasingh & Narayanan, 1972.

Recticallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 105.

Described as genus.

Type species: *Recticallis alnijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Pterocallis* Passerini, 1860.

Rectinasus Theobald, 1914

Publication reference: Entomologist, 47: 28.

Described as genus.

Type species: *Rectinasus buxtoni* Theobald, 1914; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Reticulaphis Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 11.

Described as genus.

Type species: *Reticulaphis shiiae* Takahashi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Rhizoberlesia Del Guercio, 1915

Publication reference: *Redia*, 10: 246.

Described as genus.

Type species: *Rhizoberlesia trifolii* Del Guercio, 1915; by original designation;
Replaced by *Therioaphis brachytricha* Hille Ris Lambers & van den Bosch, 1964.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzocallidium* Börner, 1949.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —
Subgenus of *Therioaphis* Walker, 1870.

Rhizobius Burmeister, 1835

Publication reference: *Handbuch der Entomologie*, 2: 87.

Described as genus.

Type species: *Rhizobius pilosellae* Burmeister, 1835; by subsequent designation
(Wilson, 1910: 153); Junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available but invalid — Suppressed by the International
Commission on Zoological Nomenclature (2006) [Opinion 2137].

Useful information about the objective status: Replaced by *Rhizophthiridium*
van der Hoeven, 1840.

Rhizoctonus Horváth, 1896.

Publication reference: *Mokrezecky, Trudy Russkago Entomologicheskago
Obshchestva*, 30: 439.

Described as genus.

Type species: *Rhizoctonus ampelinus* Mokrzecky, 1896; by original
designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aploneura* Passerini, 1863.

Rhizomaria Hartig, 1857

Publication reference: *Verhandlung des Hils-Solling-Forstvereins* 1856: 53.

Described as genus.

Type species: *Rhizomaria piceae* Hartig, 1857; by monotypy; junior synonym of *Aphis tremulae* Linnaeus, 1761.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

Rhizophthiridium van der Hoeven, 1840

Publication reference: Handboek der Dierkunde, 2 Auflaged, 1: 508.

Described as genus.

Type species: *Rhizobius pilosellae* Burmeister, 1835; denoted by new replacement name (Article 67.8); junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name of *Rhizobius* Burmeister, 1835 (a suppressed name).

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Rhizoterus Hartig, 1841

Publication reference: Zeitschrift für Entomologie (Germar), 3 (2): 363.

Described as genus.

Type species: *Rhizoterus vacca* Hartig, 1841; by monotypy; junior synonym of *Forda formicaria* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

Rhodiolaphis Ivanovskaja, 1975

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 9: 24.

Described as genus.

Type species: *Rhodiolaphis cholsunensis* Ivanovskaja, 1975; by original designation; junior synonym of *Thuleaphis sedi* Jacob, 1964.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

Rhodobium Hille Ris Lambers, 1947

Publication reference: Temminckia, 7: 300.

Described as genus.

Type species: *Macrosiphum rosaefolium* Theobald, 1915; by original designation; junior synonym of *Myzus porosus* Sanderson, 1900.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Rhopalomyzus Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 45.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Rhopalosiphum poae* Gillette, 1908; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Rhopalomyzus* and *Judenkoa* Hille Ris Lambers, 1953.

Rhopalosiphon Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, 3 (1): 68.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Rhopalosiphum* Koch, 1854.

Rhopalosiphoninus Baker (A.C.), 1920

Publication reference: *Bulletin of the United States Department of Agriculture*, 826: 58.

Described as genus.

Type species: *Amphorophora latysiphon* Davidson, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Clavosiphum* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Rhopalosiphoninus*, *Neorhopalosiphoninus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968, *Pseudorhopalosiphoninus* Heinze, 1961, and *Submegoura* Hille Ris Lambers, 1953.

Rhopalosiphum Koch, 1854

Publication reference: *Pflanzenläuse Aphiden*, (1): 23.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by subsequent designation (Gerstaecker, 1856: 162).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Rhopalosiphon* Börner, 1931, of *Siphocoryne* Passerini, 1860, and of *Siphonaphis* van der Goot, 1915.

Subjective status: Valid — Senior synonym of *Aresha* Mordvilko, 1921, *Pseudocerosipha* Shinji, 1932, *Stenaphis* Del Guercio, 1914, and *Yamataphis* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

Rhynchocles Altum, 1882

Publication reference: Forstzoologie, 3: 356.

Described as genus.

Type species: *Rhynchocles longirostris* Altum, 1882; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

Rhyzoicus Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 30 (footnote).

Described as genus.

Type species: *Rhyzoicus sonchi* Passerini, 1860; by original designation; junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Roepkea Hille Ris Lambers, 1935

Publication reference: Memorie del Museo Civico di Storia Naturale della Venezia Tridentina (ser. 2, Scienze della Vita), 3: 56.

Described as genus.

Type species: *Yezabura marchali* Börner, 1931; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Rungisia Mimeur, 1933

Publication reference: Bulletin de la Societé de Sciences Naturelles du Maroc, 13 (1-3): 104.

Described as genus.

Type species: *Rungisia graminis* Mimeur, 1933; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Siphonella* Börner, 1939.

Subjective status: Valid — Senior synonym of *Siphonella* Börner, 1939.

Taxonomic position: Aphididae Chaitophorinae Siphini — Subgenus of *Sipha*

Passerini, 1860.

Ryoichitakahashia Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 190.

Described as genus.

Type species: *Ryoichitakahashia ilicis* Hille Ris Lambers, 1965; by original designation; junior synonym of *Macrosiphoniella prunifolae* Shinji, 1924.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Saltusaphis Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 138.

Described as genus.

Type species: *Saltusaphis scirpus* Theobald, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hiberaphis* Börner, 1949.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Sanbornia Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 50.

Described as genus.

Type species: *Sanbornia juniperi* Pergande, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Sanpupemphigus Chang, 1979

Publication reference: Chang & Zhong, Acta Entomologica Sinica, 22: 328.

Described as genus.

Type species: *Sanpupemphigus sanpupopuli* Chang & Zhong, 1979; by original designation; junior synonym of *Pemphigus imaicus* Cholodkovsky, 1912.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Epipemphigus* Hille Ris Lambers, 1966.

Sappaphis Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 18.

Described as genus.

Type species: *Sappaphis piri* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lachnaphis* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Sappocallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 107.

Described as genus.

Type species: *Sappocallis ulmicola* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Telocallis* Shinji, 1922, and *Tuberocallis* Nevsky, 1929.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Tinocallis* Matsumura, 1919.

Sarucallis Shinji, 1922

Publication reference: Dōbutsugaku Zasshi, 34: 730.

Described as genus.

Type species: *Sarucallis lythrae* Shinji, 1922; by monotypy; junior synonym of *Myzocallis kahawaluokalani* Kirkaldy, 1907.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neotherioaphis* Behura & Das (B.K.), 1975.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Satula Olive, 1963

Publication reference: Annals of the Entomological Society of America, 56: 556.

Described as genus.

Type species: *Satula brachychaeta* Olive, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

Sbenaphis Scudder, 1890

Publication reference: Bulletin of the U.S. Geological Survey Territories, 13: 250.

Described as genus.

Type species: *Lachnus quesneli* Scudder, 1878; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

Schizaphidiella Hille Ris Lambers, 1939

Publication reference: Zoologische Mededelingen [Leiden], 22: 100.

Described as genus.

Type species: *Schizaphidiella quinquarticulata* Hille Ris Lambers, 1939; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Schizaphis Börner, 1931

Publication reference: Anzeiger für Schädlingkunde, 7: 10.

Described as genus.

Type species: *Aphis graminum* Rondani, 1852; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — With subgenera *Schizaphis*, *Euschizaphis* Hille Ris Lambers, 1947, and *Paraschizaphis* Hille Ris Lambers, 1947.

Schizodryobius van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 130.

Described as genus.

Type species: *Lachnus exsiccator* Altum, 1862; by original designation; junior synonym of *Aphis pallipes* Hartig, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

Schizolachnus Mordvilko, 1909

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 375.

Described as genus.

Type species: *Aphis tomentosa* Villers, 1789; by original designation; junior synonym of *Aphis pineti* Fabricius, 1781.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Unilachnus* Wilson, 1919

Taxonomic position: Aphididae Lachninae Lachnini.

Schizomyzus Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 11.

Described as genus.

Type species: *Schizomyzus lindneri* Börner, 1950; by original designation; junior synonym of *Acaudella rubida* Börner, 1939.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudacaudella* Börner, 1950.

Schizoneura Hartig, 1839

Publication reference: Jahresberichte über die Fortschritte der Forstwissenschaft und forstlichen Naturkunde, 1 (4): 645.

Described as genus.

Type species: *Chermes ulmi* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 30) & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

Schizoneuraphis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 245.

Described as genus.

Type species: *Schizoneuraphis gallarum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pseudonipponaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Schizoneurata Hille Ris Lambers, 1973

Publication reference: Florida Entomologist, 56 (4): 295.

Described as genus.

Type species: *Schizoneurata tissoti* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Schizoneurella Hille Ris Lambers, 1973

Publication reference: Oriental Insects, 7: 249.

Described as genus.

Type species: *Schizoneurella indica* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Schizoneuroides Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 178.

Described as genus.

Type species: *Schizoneuroides scudderi* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

Schlechtendalia Lichtenstein, 1883

Publication reference: Entomologische Zeitung [Stettin], 1883: 242.

Described as genus.

Type species: *Aphis chinensis* Bell, 1851; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Abamalekia* Del Guercio, 1906, and *Meitanaphis* Tsai & Tang, 1946.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Schoutedenia Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 63.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; by subsequent designation (Mordvilko, 1928: 176)

Objective status: Available but invalid — Junior homonym of *Schoutedenia* Rübsaamen, 1905.

Useful information about the objective status: Replaced by *Neoschoutedenia* Schumacher, 1923 (*nomen novum*), and by *Schoutedenum* Mordvilko, 1928 (*nomen novum*).

Schoutedenia Rübsaamen, 1905

Publication reference: Marcellia, 4: 19.

Described as genus.

Type species: *Schoutedenia ralumensis* Rübsaamen, 1905; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Schoutedenia* Mordvilko, 1921.

Subjective status: Valid — Senior synonym of *Cerciaphis* Theobald, 1920, *Setaphidia* Strand, 1942, and *Setaphis* van der Goot, 1917.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

Schoutedenum Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 176.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid valid — Junior objective synonym of *Neoschoutedenia* Schumacher, 1923.

Useful information about the objective status: Replacement name (*nomen novum*) for *Schoutedenia* Mordvilko, 1921.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

Sciomyzus Stroyan, 1954

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 23 (1-2): 10.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Sciomyzus) cymbalariae* Stroyan, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

Scleromyzus Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: Entomon, 1: 64.

Described as genus.

Type species: *Myzus corylopsis* Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Scrophulaphis Andreev, 1982

Publication reference: Izvestiya Akademii Nauk Moldavskoy. SSR, (Biologiya, Khimiya), 1982 (1): 30.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Brachycaudus (Scrophulaphis) rhinariatus* Andreev, 1982; by original designation; Junior synonym of *Longicaudus himalayensis* Hille Ris Lambers, 1965.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Scythaphis Kadyrbekov, 2002

Publication reference: Tethys Entomological Research, 6: 39.

Described as genus.

Type species: *Cryptosiphum eurotiae* Mamontova, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

Selibaizongia Zhang (G.-x.), 1995

Publication reference: Entomologia Sinica, 2 (4): 291.

Described as subgenus of *Baizongia* Rondani, 1848.

Type species: *Baizongia yunlongensis* Zhang (G.-x.) & Zhong, 1985; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaetogeoica* Remaudière & Tao, 1957.

Semiaphis van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 105.

Described as genus.

Type species: *Aphis carotae* Koch, 1954; by monotypy; junior synonym of *Aphis dauci* Fabricius, 1775.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646: name number 1504].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Semiaphoides Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 30.

Described as genus.

Type species: *Semiaphoides cannabinarum* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Seneciobium Remaudière, 1954

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 33: 55.

Described as genus.

Type species: *Seneciobium balachowskyi* Remaudière, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Senisetotarsaphis Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: *Insecta Matsumurana*, (N. S.), 20: 30.

Described as genus.

Type species: *Senisetotarsaphis jakhuensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

Sensoriaphis Cottier, 1953

Publication reference: *Bulletin of the New Zealand Department of Scientific and Industrial Research*, 106: 96.

Described as genus.

Type species: *Sensoriaphis nothofagi* Cottier, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Taiwanaphidinae — Subgenus of *Taiwanaphis* Takahashi, 1934.

Serrataphis van der Goot, 1917

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 262.

Described as genus.

Type species: *Tetraneura lucifuga* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

Serratocallis Quednau & Chakrabarti, 1976

Publication reference: *Canadian Entomologist*, 108: 462.

Described as genus.

Type species: *Serratocallis takahashii* Quednau & Chakrabarti, 1976; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Setaphidia Strand, 1942

Publication reference: *Folia Zoologica et Hydrobiologica*, 11: 393.

Described as genus.

Type species: *Setaphis lutea* van der Goot, 1917; denoted by new replacement

name (Article 67.8); junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Setaphis* van der Goot, 1917.

Subjective status: Junior synonym of *Schoutedenia* Rübsaamen, 1905.

Setaphis van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 153.

Described as genus.

Type species: *Setaphis lutea* van der Goot, 1917; by original designation; Junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available but invalid — Junior homonym of *Setaphis* Simon, 1893 (Arachnida).

Useful information about the objective status: Replaced by *Setaphidia* Strand, 1942 (*nomen novum*).

Shaposhnikoviella Mamontova-Solukha, 1963

Publication reference: Pratsi Institutu Zoologii Akademii Nauk Ukrainskoy SSR, 19: 15.

Described as genus.

Type species: *Shaposhnikoviella paradoxa* Mamontova, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neosappaphis* Hille Ris Lambers, 1959.

Shenahweum Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19: 267.

Described as genus.

Type species: *Drepanaphis minutus* Davis, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae — Subgenus of *Drepanaphis* Del Guercio, 1909.

Shinjia Takahashi, 1938

Publication reference: Tenthredo, 2: 6.

Described as genus.

Type species: *Microtarsus pterydifoliae* Shinji, 1929; denoted by new replacement name (Article 67.8); junior synonym of *Atarsos orientalis* Mordvilko, 1929.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Microtarsus* Shinji, 1929.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Shivaphis Das (B.), 1918

Publication reference: Memoirs of the Indian Museum, 6: 245.

Described as genus.

Type species: *Shivaphis celti* Das (B.), 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Shivaphis*, and *Sinishivaphis* Zhang (G.-x.), 1982.

Siciforda Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 3.

Described as genus.

Type species: *Siciforda sexiarticulata* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Siciunguis Zhang (G.-x.) & Qiao, 1999

Publication reference: Acta Entomologica Sinica, 42 (1): 57.

Described as genus.

Type species: *Siciunguis decima* Zhang (G.-x.) & Qiao, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Siculaphis Quednau & Barbagallo, 1991

Publication reference: Canadian Entomologist, 123: 581.

Described as genus.

Type species: *Siculaphis vittoriensis* Quednau & Barbagallo, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Sigmacallis Zhang (G.-x.), 1981

Publication reference: Zhang (G.-x.) & Zhong, Insects of Xizang: Homoptera: Aphidoidea: 233.

Described as genus.

Type species: *Sigmacallis pilosa* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

Silenobium Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Silenobium schusteri* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Volutaphis* Börner, 1939.

Silvaphis Hong, 2002

Publication reference: Amber Insect of China: 40.

Described as genus.

Type species: *Silvaphis eocenica* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Similidrepan Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 96.

Described as genus.

Type species: *Similidrepan pulawskii* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Sinaphidum Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 34.

Described as genus.

Type species: *Sinaphidum epichare* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Sinaphididae.

Sinishivaphis Zhang (G.-x.), 1982

Publication reference: Zhang (G.-x.) & Zhong, Acta Zootaxonomica Sinica, 7 (1): 68.

Described as subgenus of *Shivaphis* Das (B.), 1918.

Type species: *Sinishivaphis hangzhouensis* Zhang (G.-x.) & Zhong, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Subgenus of *Shivaphis* Das (B.), 1918

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Sinituberculatus Zhang (W.-y.) & Zhang (G.-x.), 1991

Publication reference: Scientific Treatise on Systematic and Evolutionary Zoology, 1: 100.

Described as subgenus of *Tuberculatus*.

Type species: *Tuberculatus (Sinituberculatus) grisipunctatus* Zhang (G.-x.), Zhang (W.-y.) & Zhong, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acanthocallis* Matsumura, 1917.

Sinocallis Hong, 2002

Publication reference: Amber Insect of China: 63.

Described as genus.

Type species: *Sinocallis clypeolata* Hong, 2002; by original designation.

Objective status: Available but invalid — Junior homonym of *Sinocallis* Tseng & Tao, 1938.

Useful information about the objective status: Replaced by *Hongocallis* Wegierek, 2010 (*nomen novum*).

Sinocallis Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 10: 213.

Described as genus.

Type species: *Sinocallis mirabilis* Tseng & Tao, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dasyaphis* Takahashi, 1938.

Sinochaitophorus Takahashi, 1936

Publication reference: Lingnan Science Journal 15: 197.

Described as genus.

Type species: *Sinochaitophorus maoi* Takahashi, 1936; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Sinocolopha Tao, 1970

Publication reference: Quarterly Journal of the Taiwan Museum, 23 (3-4): 138.

Described as genus.

Type species: *Truncaphis graminis* Takahashi, 1930; by original designation; junior synonym of *Eriosoma kansugei* Uye, 1924.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Colopha* Monell, 1877.

Sinolachnus Hille Ris Lambers, 1956

Publication reference: Zeitschrift für Angewandte Entomologie, 39 (4): 472.

Described as genus.

Type species: *Lachnus nitakayamensis* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

Sinomegoura Takahashi, 1960

Publication reference: Kontyû, 28: 228.

Described as genus.

Type species: *Acyrtosiphon photinae* Takahashi, 1936; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Sinonipponaphis Tao, 1966

Publication reference: Quarterly Journal of the Taiwan Museum, 19: 175.

Described as genus.

Type species: *Astegopteryx formosana* Takahashi, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Sinosiphoniella Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 200.

Described as genus.

Type species: *Macrosiphoniella kuwayamai* Takahashi, 1941; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* del Guercio, 1911.

Sinotherioaphis Zhang (G.-x.), 1980

Publication reference: Zhang (G.-x.) & Zhong, Zoological Research, 1 (4): 432.

Described as genus.

Type species: *Sinotherioaphis pterothorax* Zhang (G.-x.) & Zhong, 1980; by original designation; junior synonym of *Chuansicallis chengtuensis* Tao, 1964.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chuansicallis* Tao, 1964.

Sinoviparosiphum Ren, Lu & Ji, 1995

Publication reference: Faunae and Stratigraphy of Jurassic-Cretaceous in Beijing and Adjacent Areas: 71.

Described as genus.

Type species: *Sinoviparosiphum lini* Ren, Lu & Ji, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Sipha Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 29.

Described as genus.

Type species: *Aphis glyceriae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini — With subgenera *Sipha* and *Rungisia* Mimeur, 1933.

Siphocoryne Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.

Useful information about the objective status: Senior homonym of *Siphocoryne* Passerini, 1863.

Siphocoryne Passerini, 1863

Publication reference: *Archivo per la Zoologia l'Anatomia e la Fisiologia di Modena*, 2 (2) [1862]: 175.

Described as genus.

Type species: *Aphis xylostei* Schrank, 1801; by subsequent designation (Kirkaldy, 1905: 416); junior synonym of *Siphocoryne foeniculi* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphocoryne* Passerini, 1860.

Useful information about the objective status: Replaced by *Hyadaphis* Kirkaldy, 1904 (*nomen novum*).

Siphonaphis van der Goot, 1915

Publication reference: *Beiträge zur Kenntnis der Holländischen Blattläuse*: 238.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by subsequent designation (Baker (A.C.), 1920: 50).

Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.

Siphonatrophia Swain, 1918

Publication reference: *Entomological News*, 29: 363.

Described as genus.

Type species: *Cerosipha cupressi* Swain, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Minuticornicus* Knowlton, 1928.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina. With subgenera *Siphonatrophia*, and *Lacusaphis* Zhang (G.-x.).

Siphonella Börner, 1939

Publication reference: *Arbeiten über Physiologische und Angewandte Entomologie* [Berlin-Dahlem], 6 (1): 77.

Described as genus.

Type species: *Sipha graminis* Kaltenbach, 1864; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphonella* Macquart, 1835 (Diptera), of *Siphonella* Hagenow, 1850 (Bryozoa), of *Siphonella* Issel, 1869 (Mollusca), of *Siphonella* Verril, 1879 (Mollusca), and of *Siphonella* Ledenfeld, 1887 (Porifera).

Useful information about the objective status: Replaced by *Rungisia* Mimeur, 1933.

Siphonocallis Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 293.

Described as genus.

Type species: *Aphis betulaecolens* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Calaphis* Walsh, 1862.

Siphonocoryne Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 793.

Described as genus.

Type species: *Siphonocoryne polygona* Shinji, 1851; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Akkaia* Takahashi, 1919.

Siphonophora Koch, 1855

Publication reference: Pflanzenläuse Aphiden, (5): 150.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 27).

Objective status: Available but invalid — Junior homonym of *Siphonophora* Fischer, 1823 (Cnidaria), and of *Siphonophora* Brandt, 1837 (Myriapoda).

Useful information about the objective status: Replaced by *Macrosiphum* Passerini, 1860 (*nomen novum*), and by *Nectarophora* Oestlund, 1887 (*nomen novum*).

Siphonophoroides Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 176.

Described as genus.

Type species: *Siphonophoroides antiqua* Buckton, 1883; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Amalancon* Scudder, 1890, *Archilachnus* Buckton, 1883, *Cataneura* Scudder, 1890, *Lithaphis* Scudder, 1890, *Oryctaphis* Scudder, 1890, *Tephraphis* Scudder, 1890.

Taxonomic position: Aphididae Drepanosiphinae.

Sitobion Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: *Aphis granaria* Kirby, 1798; by subsequent designation (Mordvilko, 1919: 354); Junior synonym of *Aphis avenae* Fabricius, 1775.

Objective status: Available & potentially valid. — Subsequent spelling for *Sitobium* Mordvilko, 1914 in frequent use and attributed to the author in the original work (Article 33.3.1).

Useful information about the objective status: Replacement name for *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, and for *Neomacrosiphum* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Subjective status: Valid — Senior synonym of *Anameson* Mordvilko, 1914, *Aphidiella* Theobald, 1923, *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, and *Neomacrosiphum* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Taxonomic position: Aphididae Aphidinae Macrosiphini. With subgenera *Sitobion*, and *Metobion* Heikinheimo, 1990.

Sitomyzus Hille Ris Lambers, 1952

Publication reference: Meddelelser om Grønland, 136: 9.

Described as genus.

Type species: *Sitomyzus vibei* Hille Ris Lambers, 1952; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Utamphorophora* Knowlton, 1946.

Slavum Mordvilko, 1927

Publication reference: Mémoires de la Société Zoologique de France, 28: 74.

Described as genus.

Type species: *Slavum lentiscoides* Mordvilko, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Smiela Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 50.

Described as genus.

Type species: *Smiela fusca* Mordvilko, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevicorynaphis* Hille Ris Lambers, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Sminthuraphis Quednau, 1953

Publication reference: Zoologische Anzeiger, 150: 224.

Described as genus.

Type species: *Sminthuraphis ulrichi* Quednau, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Smynthuroides Westwood, 1849

Publication reference: Gardeners Chronicle, 1849 (27): 420.

Described as genus.

Type species: *Smynthuroides betae* Westwood, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Trifidaphis* Del Guercio, 1909, and *Tullgrenia* van der Goot, 1912.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Sogdianella Mukhamediev, 1965

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 8 (2): 35.

Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; by original designation.

Objective status: Available but invalid — Junior homonym of *Sogdianella* Schurenkova, 1939 (Protozoa).

Useful information about the objective status: Replaced by *Ferganaphis* Narzikulov & Mukhamediev, 1975 (*nomen novum*), and by *Ferganaphis* Mukhamediev, 1976 (*nomen novum*).

Somaphis Shinji, 1929

Publication reference: Lansania, 1: 110.

Described as genus.

Type species: *Aphis somei* Essig & Kuwana, 1918; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

Sorbaphis Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.

Described as genus.

Type species: *Sorbaphis chaetosiphon* Shaposhnikov, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Sorbobium MacGillivray & Bradley, 1961

Publication reference: Canadian Entomologist, 93: 1000.

Described as subgenus of *Toxopterella* Hille Ris Lambers, 1960.

Type species: *Toxopterella (Sorbobium) drepanosiphoides* MacGillivray & Bradley, 1961; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

Spatulophorus Müller (F.P.), 1958

Publication reference: Beiträge zur Entomologie [Berlin], 8: 84.

Described as genus.

Type species: *Spatulophorus incanae* Müller (F.P.), 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Spicaphis Essig, 1953

Publication reference: Proceedings of the California Academy of Science, (4), 28: 69.

Described as genus.

Type species: *Spicaphis michelbacheri* Essig, 1953; by original designation; Junior synonym of *Neuquenaphis chilensis* Essig, 1953.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae — Subgenus of *Neuquenaphis* Blanchard (E.E.), 1939.

Spinaphis Ghosh (L.K.), 1986

Publication reference: Monograph of the Zoological Survey of India, 16: 125.

Described as genus.

Type species: *Spinaphis multisetosa* Ghosh (L.K.); by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Spinaspidaphis Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 38.

Described as genus.

Type species: *Spinaspidaphis droserae* Heinze, 1961; by original designation; junior synonym of *Aphis lythri* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzus* Passerini, 1860.

Sportaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 486.

Described as genus.

Type species: *Sportaphis sporta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tenuilongiaphis* Zhang (G.-x.), 1993.

Staegeriella Hille Ris Lambers, 1947

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 20 (7): 654.

Described as genus.

Type species: *Hydaphias necopinata* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Stagona Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 284.

Described as genus.

Type species: *Aphis xylostei* De Geer, 1773; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

Staticobium Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: *Staticobium otolepidis* Nevsky, 1928; by subsequent designation (Börner & Schilder, 1930: 192).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberculaminatus* Ivanovskaja, 1975, and perhaps *Turanaphis* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Stauroceras Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Staurocera chaetosiphon* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

Stegophylla Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 146.

Described as genus.

Type species: *Phyllaphis quercicola* Baker (A.C.), 1916; by original designation; junior synonym of *Callipterus quercicola* Monell, 1879.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Stellariopsis Szelegiewicz, 1969

Publication reference: Annales Zoologici [Warszawa], 27: 173.

Described as genus.

Type species: *Stellariopsis songini* Szelegiewicz, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Stenaphis Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 185.

Described as genus.

Type species: *Stenaphis monticellii* Del Guercio, 1914; by monotypy; junior synonym of *Aphis maidis* Fitch, 1856.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

Stenaphis Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.

Described as genus.

Type species: *Saltusaphis elongata* Baker (A.C.), 1917; by original designation.

Objective status: Available but invalid — Junior homonym of *Stenaphis* Del Guercio, 1914.

Useful information about the objective status: Replaced by *Strenaphis* Quednau, 2008 (*nomen novum*).

Stephensonia Das (B.), 1918

Publication reference: *Memoirs of the Indian Museum*, 6: 175.

Described as genus.

Type species: *Stephensonia lahorensis* Das (B.), 1918; by monotypy; junior synonym of *Aphis rufomaculata* Wilson, 1908.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

Sternaphis Heie, 1972

Publication reference: *Steenstrupia*, 2: 257.

Described as genus.

Type species: *Sternaphis electricola* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

Stomaphis Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis quercus* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Macrhynchus* Haupt, 1913, *Neostomaphis* Takahashi, 1960, *Parastomaphis* Pašek, 1953, and *Rhynchocles* Altum, 1882.

Taxonomic position: Aphididae Lachninae Lachnini.

Strenaphis Quednau, 2008

Publication reference: Favret, Miller, Nieto Nafría & Cortés Gabaudan, *Transactions of the American Entomological Society*, 133 [2007]: 366.

Described as genus.

Type species: *Saltusaphis elongata* Baker (A.C.), 1917; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Stenaphis* Quednau, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Subacyrthosiphon Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 260.

Described as genus.

Type species: *Subacyrthosiphon cryptobium* Hille Ris Lambers, 1947; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Subaiceona Singh & Raychaudhuri (D.N.), 1978

Publication reference: Proceedings of the Zoological Society of [Calcutta], 28 (2) [1975]: 156.

Described as genus.

Type species: *Subaiceona manipurensis* Singh & Raychaudhuri (D.N.), 1978; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aiceoninae — Subgenus of *Aiceona*, Takahashi 1921.

Subanoecia Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 259.

Described as subgenus of *Anoecia* Koch, 1857.

Type species: *Schizoneura vagans* Koch, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Anoecia* Koch, 1857.

Subcallipterus Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 53.

Described as genus.

Type species: *Aphis alni* Fabricius, 1781; by original designation; junior synonym of *Aphis alni* De Geer, 1773.

Objective status: Available but invalid — Junior objective synonym of *Pterocallis* Passerini, 1860.

Subcinara Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Cinara brauni* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Subiziphya* Quednau, 1990**

Publication reference: Canadian Entomologist, 122: 911.

Described as genus.

Type species: *Subiziphya clauseni* Quednau, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Sublachnobius* Heinze, 1962**

Publication reference: Deutsche Entomologische Zeitschrift, (N.F.), 9 (1-2): 180.

Described as genus.

Type species: *Lachnus wichmanni* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

***Submacrosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 136.

Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; denoted by unjustified emendation (Article 67.8); replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Submacrosiphum* Hille Ris Lambers, 1931.

***Submacrosiphum* Hille Ris Lambers, 1931**

Publication reference: Memorie del Museo Civico di Storia Naturale della Venezia Tridentina (ser. 2, Sezione Scienze della Vita), 1 (1-2): 22.

Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; by original designation; Replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Submacrosiphon* Börner, 1952.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

***Submegoura* Hille Ris Lambers, 1953**

Publication reference: Temminckia, 9: 3.

Described as subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

Type species: *Myzotoxoptera heikinheimoi* Börner, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

Subovatomyzus Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 241.

Described as genus.

Type species: *Subovatomyzus leucosceptri* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Subsaltusaphis Quednau, 1952

Publication reference: Börner: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, Beiheft 3 (2): 465.

Described as genus.

Type species: *Saltusaphis intermedia* Hille Ris Lambers, 1939; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Name treated as a junior synonym of *Saltusaphis* Theobald, 1915 (Börner, over the Quednau's proposition as genus) and consequently unavailable, but it was made available when it was adopted as the name of a genus (Quednau, 1953, Zoologischer Anzeiger, 150: 224).

Subjective status: Valid — Senior synonym of *Bacillaphis* Quednau, 1954.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — With subgenera *Subsaltusaphis* and *Primoriaphis* Quednau & Shaposhnikov, 1988.

Subtakecallis Raychaudhuri (D.N.) & Pal, 1974

Publication reference: Oriental Insects, 8: 96.

Described as genus.

Type species: *Cranaphis pilosa* David, Rajasingh & Narayanan, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Succaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 110.

Described as genus.

Type species: *Succaphis holgeri* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

***Succinaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 173.

Described as genus.

Type species: *Succinaphis flauensgaardi* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Sumatraphis* Takahashi, 1935**

Publication reference: *Miscellanea Zoologica Sumatrana*, 97: 2.

Described as genus.

Type species: *Sumatraphis celti* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Sumoia* Tao, 1963**

Publication reference: *Taiwan Plant Protection Bulletin*, 5: 176.

Described as genus.

Type species: *Macrosiphum taiwanum* Takahashi, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neomyzus* van der Goot, 1915.

***Sunaphis* Hong & Wang, 1990**

Publication reference: *Shandong Bureau of Geology and Mineral Resources*: 77.

Described as genus.

Type species: *Sunaphis shandongensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

Surcaudaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 487.

Described as genus.

Type species: *Surcaudaphis supericauda* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

Swirskiaphis Hille Ris Lambers, 1966

Publication reference: Israel Journal of Agricultural Research, 6: 25.

Described as genus.

Type species: *Swirskiaphis polychaeta* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Sychnobrochus Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 268.

Described as genus.

Type species: *Sychnobrochus reviviscens* Scudder, 1890; by monotypy; junior synonym of *Schizoneuroides scudderi* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

Symydobius Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 65.

Described as genus.

Type species: *Aphis oblonga* von Heyden, 1837; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Yezocallis* Matsumura, 1917.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina. With subgenera *Symydobius* and *Antisymydobius* Qiao & Zang (G.-x.), 2002.

Synthripaphis Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: *Synthriaphis cyperi* Quednau, 1954; by original designation &

application of the ICZN 11.10 & 67.13; Junior synonym of *Callaphis caricis* Mordvilko, 1921.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thripsaphis* Gillette, 1917.

Szelegiewicziana Özdikem & Demir, 2007

Publication reference: *Munis Entomology and Zoology*, 2 (2): 437.

Described as genus.

Type species: *Mariaella lambersi* Szelegiewicz, 1961; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Barbagallo, *in press*, 2010) instead of *Szelegiewiczia* Özdikem & Demir, 2007 which is unavailable (Articles 32.2.1 & 32.4).

Useful information about the objective status: Replacement name (*nomen novum*) for *Mariaella* Szelegiewicz, 1961.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Szelegiewiczziella Holman, 1974

Publication reference: *Acta Entomologica Bohemoslovaca*, 71: 239.

Described as genus.

Type species: *Szelegiewiczziella chamaerhodi* Holman, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Tactilotrama Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 242.

Described as subgenus of *Protrama* Baker (A.C.), 1920.

Type species: *Trama antennata* Mordvilko, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neotrama* Baker (A.C.), 1920.

Taiwanaphis Takahashi, 1934

Publication reference: *Stylops*, 3: 56.

Described as genus.

Type species: *Taiwanaphis decaspermi* Takahashi, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paracallipterus* Raychaudhuri (D.N.) & Ghosh (A.K.), 1964.

Taxonomic position: Aphididae Taiwanaphidinae — With subgenera *Taiwanaphis*, and *Sensoriaphis* Cottier, 1953.

Taiwanomyzus Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 179.

Described as genus.

Type species: *Myzus montanus* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Takecallis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 373.

Described as genus.

Type species: *Takecallis bambusae* Matsumura, 1917; by original designation; junior synonym of *Callipterus arundicolens* Clarke, 1903.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Tamalia Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 24.

Described as genus.

Type species: *Pemphigus coweni* Cockerell, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Tamaliinae.

Taoia Quednau, 1973

Publication reference: Canadian Entomologist, 105: 217.

Described as genus.

Type species: *Euceraphis chuansiensis* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Tartaraphis Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 34.

Described as genus.

Type species: *Tartaraphis peregrina* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Sinaphididae.

Tauricaphis Mamontova, 1984

Publication reference: Konova [Ed.], Taksonomiya i Zoogeografiya Nasekomykh: 13.

Described as genus.

Type species: *Tauricaphis arabisi* Mamontova, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tavaresiella Del Guercio, 1911

Publication reference: Redia, 7: 299.

Described as genus.

Type species: *Tavaresiella suberi* Del Guercio, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thelexes* Westwood, 1840.

Telocallis Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 731.

Described as genus.

Type species: *Telocallis alnifoliae* Shinji, 1922; by monotypy; junior synonym of *Sappocallis ulmicola* Matsumura, 1919.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappocallis* Matsumura, 1919.

Tenuilongiaphis Zhang (G.-x.), 1993

Publication reference: Zhang (G.-x.) & Zhong, Critical Issues in Aphid Biology [Kindlmann & Dixon (Eds.)]: 140.

Described as genus.

Type species: *Tenuilongiaphis stata* Zhang (G.-x.) & Zhong, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sportaphis* Zhang (G.-x.), Chen,

Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tenuisiphon Mordvilko, 1948

Publication reference: Tarbinski & Plaviltshikov [Ed.], *Opredelitel' nasekomyh evropeyskoy chasti SSSR*: 215.

Described as genus.

Type species: *Acyrthosiphon gossypii* Mordvilko, 1914; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

Tephraphis Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 258.

Described as genus.

Type species: *Siphonophoroides simplex* Buckton, 1890; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Tertiaphis Heie, 1969

Publication reference: *Mitteilungen aus dem Geologisch-Paläontologischen Instituts der Universität Hamburg*, 38: 144.

Described as genus.

Type species: *Tertiaphis haentzscheli* Heie, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

Testataphis Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 252.

Described as genus.

Type species: *Amphorophora ledi* Wahlgren, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neoamphorophora* Mason, 1924.

Tetraneura Hartig, 1841

Publication reference: *Zeitschrift für Entomologie* (Germar), 3 (2): 366.

Described as genus.

Type species: *Aphis gallarumulmi* De Geer, 1773; by subsequent monotypy (Kaltenbach, 1843: 189) [misspelled as *Aphis ulmi*]; junior synonym of *Aphis*

ulmi Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1019; name number 2000].

Replacement name of *Amycla* Koch, 1857, and *Byrsocrypta* Hartig, 1841.

Subjective status: Valid — Senior synonym of *Dryopeia* Kirkaldy, 1904, and *Endeis* Koch, 1857.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — With subgenera *Tetraneura*, *Indotetraneura* Chakrabarti & Maity, 1978, and *Tetraneurella* Hille Ris Lambers, 1970.

Tetraneurella Hille Ris Lambers, 1970

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 9 [1968-69]: 24.

Described as subgenus of *Tetraneura* Hartig, 1841.

Type species: *Dryopeia hirsuta* Baker (A.C.), 1921; by original designation; junior synonym of *Schizoneura nigriabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of *Tetraneura* Hartig, 1841.

Tetraneurites Heie, 2002

Publication reference: Mainzer Naturwissenschaftliches Archiv, 40: 119.

Described as genus.

Type species: *Tetraneura provincialis* Theobald, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

Tetraphis Horváth, 1896

Publication reference: Wiener Entomologische Zeitung, 15 (1): 6.

Described as genus.

Type species: *Tetraphis betulina* Horváth, 1896; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hamamelistes* Shimer, 1867.

Thalictrophorus Zhang (G.-x.) & Qiao, 2000

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 25: 56.

Described as genus.

Type species: *Thalictrophorus thalictrophilus* Zhang (G.-x.), Qiao & Zhao,

2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Thargelia Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 127.

Described as genus.

Type species: *Aphis albipes* Oestlund, 1887; by original designation; junior synonym of *Aphis symphoricarpi* Thomas, 1878.

Objective status: Available but invalid — Junior homonym of *Thargelia* Puengelev, 1899 (Lepidoptera) and *Thargelia* Goodman & Salvin, 1900 (Lepidoptera).

Useful information about the objective status: Replaced by *Aphthargelia* Hottes, 1958 (*nomen novum*).

Thecabius Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 294.

Described as genus.

Type species: *Thecabius populneus* Koch, 1857; by monotypy; junior synonym of *Pemphigus affinis* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Bucktonia* Lichtenstein, 1896, and *Thelazacallis* Zhang (G.-x.), 2000.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Thecabius*, *Oothecabius* Zhang (G.-x.), Zhong & Qiao, 1995, and *Parathecabius* Börner, 1950.

Thelaxes Westwood, 1840

Publication reference: An introduction to the modern classification of Insects, vol II: 118.

Described as genus.

Type species: *Thelaxes quercicola* Westwood, 1840; by monotypy; junior synonym of *Aphis dryophila* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tavaresiella* Del Guercio, 1911.

Taxonomic position: Aphididae Thelaxinae.

Thelazacallis Zhang (G.-x.), 2000

Publication reference: Qiao & Zhang (G.-x.), Entomotaxonomia, 22 (1): 27.

Described as genus.

Type species: *Thelazacallis ranunclicola* Qiao & Zhang (G.-x.), 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thecabius* Koch, 1857.

Therioaphis Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 1999.

Described as genus.

Type species: *Aphis ononidis* Kaltenbach, 1846; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Therioaphis*, *Pterocallidium* Börner, 1949, and *Rhizoberlesia* Del Guercio, 1915.

Thomasia Wilson, 1910

Publication reference: *Canadian Entomologist*, 42: 386.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; by original designation.

Objective status: Available but invalid — Junior homonym of *Thomasia* Poche, 1908 (Mammalia), and of *Thomasia* Rübsaamen, 1910 (Diptera).

Useful information about the objective status: Replaced by *Thomasiniellula* Strand, 1917 (*nomen novum*), and by *Neothomasia* Baker (A.C.), 1920 (*nomen novum*).

Thomasiniellula Strand, 1917

Publication reference: *Archiv für Naturgeschichte*, (A), 82 (5) [1916]: 82.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910. Senior objective synonym of *Neothomasia* Baker (A.C.), 1920.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Thoracaphis van der Goot, 1917

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 242.

Described as genus.

Type species: *Thoracaphis arboris* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Xenothoracaphis* Takahashi, 1958.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Thripsaphis Gillette, 1917

Publication reference: Canadian Entomologist, 49: 193.

Described as genus.

Type species: *Brachycolus ballii* Gillette, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Trichocallis* Börner, 1930, and *Synthripaphis* Quednau, 1954.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — With subgenera *Thripsaphis*, *Larvaphis* Ossiannilsson, 1953, and *Neobacillaphis* Huculak, 1968.

Thuleaphis Hille Ris Lambers, 1960

Publication reference: Meddelelser om Grønland, 159: 7.

Described as genus.

Type species: *Thuleaphis acaudata* Hille Ris Lambers, 1960; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

Tiliaphis Takahashi, 1961

Publication reference: Kontyû, 29: 251.

Described as genus.

Type species: *Therioaphis shinae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Tiliphagus Smith, 1965

Publication reference: Annals of the Entomological Society of America, 58: 782.

Described as genus.

Type species: *Tiliphagus lycoposugus* Smith, 1965; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Tinocallis Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 100.

Described as genus.

Type species: *Tinocallis ulmiparvifoliae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lutaphis* Shinji, 1924.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Tinocallis*, *Eotinocallis* Quednau, 2003, *Orientinocallis* Quednau, 2003, and *Sappocallis* Matsumura, 1919.

Tinocalloides Basu (A.N.), 1969

Publication reference: *Oriental Insects*, 3: 367.

Described as genus.

Type species: *Tinocalloides montanus* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberdefectus* Kumar & Lavigne, 1970.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Titanosiphon Nevsky, 1928

Publication reference: *Entomologische Mitteilungen* [Berlin-Dahlem], 17 (3): 189.

Described as genus.

Type species: *Titanosiphon bellicosum* Nevsky, 1928; by original designation; Junior synonym of *Macrosiphum neoartemisiae* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tlja Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 73.

Described as genus.

Type species: *Siphonophora lactucae* Passerini, 1860; by subsequent designation (Mordvilko, 1932: 55).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

Todolachnus Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7 (6): 381.

Described as genus.

Type species: *Todolachnus abietis* Matsumura, 1917; by original designation;

junior synonym of *Cinara matsumurana* Hille Ris Lambers, 1966.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

Toltecallis Remaudière & Quednau, 1983

Publication reference: Canadian Entomologist, 115: 637.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Toltecallis) mexicanus* Remaudière & Quednau, 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Toxoptera Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 253.

Described as genus.

Type species: *Toxoptera aurantiae* Koch, 1856; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Arimakia* Matsumura, 1917, *Ceylonia* Buckton, 1891, *Paratoxoptera* Blanchard (E.E.), 1944, and *Somaphis* Shinji, 1929.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Toxopterella Hille Ris Lambers, 1960

Publication reference: Canadian Entomologist, 92: 263.

Described as genus.

Type species: *Toxopterella canadensis* Hille Ris Lambers, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

Toxopterina Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Toxoptera vandergooti* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Trachaphis Hong, 2002

Publication reference: Amber Insect of China: 37.

Described as genus.

Type species: *Trachaphis latipedis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

Trama von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem Gebiete der Beschreibenden Naturforschenden Gesellschaft in Frankfurt am Main at My Garden, 2 (3): 293.

Described as genus.

Type species: *Trama troglodytes* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini — With subgenera *Trama* and *Neotrama* Baker (A.C.), 1920.

Tramaforda Manheim, 2007

Publication reference: Israel Journal of Entomology, 37: 48.

Described as genus.

Type species: *Tramaforda wooli* Manheim, 2007; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Tranaphis Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 1999.

Described as genus.

Type species: *Aphis salicivora* Walker, 1848; by original designation; junior synonym of *Aphis capreae* Mosley, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

Tricaudatus Narzikulov, 1957

Publication reference: Entomologicheskoe Obozrenie, 36 (3): 683.

Described as genus.

Type species: *Rhopalosiphoninus polygoni* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Trichaitophorus Takahashi, 1937

Publication reference: *Annotationes Zoologicae Japonensis*, 16 (1): 17.

Described as genus.

Type species: *Trichaitophorus aceris* Takahashi, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Trichocallis Börner, 1930

Publication reference: *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 127.

Described as genus.

Type species: *Allaphis caricis* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 77)]; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thripsaphis* Gillette, 1917.

Trichonaphis Shinji, 1930

Publication reference: *Lansania*, 2: 73.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini

Trichoregma Takahashi, 1929

Publication reference: *Transactions of the Natural History Society of Formosa*, 19: 252.

Described as genus.

Type species: *Oregma bambusifoliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

Trichosiphonaphis Takahashi, 1922

Publication reference: *Proceedings of the Entomological Society of Washington*, 24: 205.

Described as genus.

Type species: *Myzus polygoniformosanus* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Trichosiphonaphis* and *Xenomyzus* Aizenberg, 1935.

Trichosiphoniella Shinji, 1929

Publication reference: *Lansania*, 1: 46.

Described as genus.

Type species: *Aphis spinosula* Essig & Kuwana, 1918; by original designation; junior synonym of *Myzus sakurae* Matsumura, 1917.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafria, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Trichonosiphoniella* Shinji, 1929 and of *Trichonosiphuniella* Shinji, 1929 which are unavailable (Articles 32.2.1 & 32.4).

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

Trichosiphum Pergande, 1906

Publication reference: *Entomological News* 17: 206.

Described as genus.

Type species: *Trichosiphum anonae* Pergande, 1906; by subsequent designation (Wilson, 1910: 316).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

Trifidaphis Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale (Pavia)*, (N.S.), 3: 332.

Described as genus.

Type species: *Pemphigus radiccicola* Essig, 1909; by original designation; junior synonym of *Smynthuodes betae* Westwood, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smynthuodes* Westwood, 1849.

Trilobaphis Theobald, 1922

Publication reference: *Entomologist's Monthly Magazine*, 58: 137.

Described as genus.

Type species: *Trilobaphis caricis* Theobald, 1922; by original designation; junior synonym of *Vesiculaphis theobaldi* Takahashi, 1930.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

Trinacriella Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 169.

Described as genus.

Type species: *Trinacriella magnifica* Del Guercio, 1913; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

Triocula Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 30.

Described as genus.

Type species: *Triocula distorta* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Triphyllaphis Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 48.

Described as genus.

Type species: *Triphyllaphis luteola* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterocallidium* Börner, 1949.

Tritogenaphis Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 142.

Described as genus.

Type species: *Aphis rudbeckiae* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

Tritrichosiphum Robinson, 1972

Publication reference: Canadian Entomologist, 104: 606.

Described as genus.

Type species: *Tritrichosiphum thailandicum* Robinson, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini.

Truncaphis Theobald, 1918

Publication reference: *Entomologist*, 51: 25.

Described as genus.

Type species: *Truncaphis newsteadi* Theobald, 1918; by monotypy; junior synonym of *Byrsocrypta rhois* Fitch, 1866.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melaphis* Walsh, 1867.

Tshernovaia Holman & Szelegiewicz, 1964

Publication reference: *Bulletin de l'Académie Polonaise des Sciences, (ser. 2, Sciences Biologiques)*, 12: 351.

Described as genus.

Type species: *Tshernovaia adenophorae* Holman & Szelegiewicz, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tsugaphis Takahashi, 1967

Publication reference: *Proceedings of the Royal Entomological Society of London, (B)*, 26 (7-8): 107.

Described as genus.

Type species: *Tsugaphis sorini* Takahashi, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Tubaphis Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 312.

Described as genus.

Type species: *Aphis ranunculina* Walker, 1852; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberaphis Takahashi, 1933

Publication reference: *Stylops*, 2: 27.

Described as genus.

Type species: *Tuberaphis coreanus* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hamiltonaphis* Aoki, Kurosu

& Fukatsu, 1993, *Neotuberaphis* Pal & Raychaudhuri (D.N.), 1980, and *Rappardiella* Noordam, 1991.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Tuberculaminatus Ivanovskaja, 1975

Publication reference: Cherepanov [Ed.] *Novye i Maloizvestnye Vidy Fauny Sibiri*, 9: 26.

Described as genus.

Type species: *Tuberculaminatus zolotarenkoi* Ivanovskaja, 1975; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Staticobium* Mordvilko, 1914.

Tuberculaphis Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 246.

Described as subgenus of *Toxopterina* Börner, 1940.

Type species: *Doralina taraxacicola* Börner, 1940; by original designation.

Objective status: Available but invalid — Junior homonym of *Tuberculaphis* Theobald, 1918.

Useful information about the objective status: Replaced by *Papillaphis* Börner, 1952 (*nomen novum*).

Tuberculaphis Theobald, 1918

Publication reference: Das (B.), *Memoires of the Indian Museum*, 6: 174.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Tuberculaphis* Börner, 1952.

Subjective status: *Nomen dubium*.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberculatus Mordvilko, 1894

Publication reference: *Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta*, 8: 60.

Described as genus.

Type species: *Aphis quercea* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Camelaphis* Hille Ris Lambers, 1974

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Tuberculatus*, *Acanthocallis* Matsumura, 1917, *Acanthotuberculatus* Quednau, 1999, *Arakawana* Matsumura, 1917, *Nippocallis* Matsumura, 1917, *Nippotuberculatus* Quednau, 1999, *Orientuberculoides* Hille Ris Lambers, 1974, *Pacificallis* Richards, 1965, *Toltecallis* Remaudière & Quednau, 1983, and *Tuberculooides* van der Goot, 1915.

Tuberculooides van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: 312.

Described as genus.

Type species: *Aphis quercus* Kaltenbach, 1843; by original designation; junior synonym of *Aphis annulata* Hartig, 1841.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafria, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Neotuberculatus* van der Goot, 1915 which is unavailable (Articles 32.2.1 & 32.4).

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Tuberdefectus Kumar & Lavigne, 1970

Publication reference: Pan-Pacific Entomologist, 46: 120.

Described as genus.

Type species: *Tuberdefectus eastopi* Kumar & Lavigne, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tinocalloides* Basu (A.N.), 1969.

Tuberoaphis Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 8: 207.

Described as genus.

Type species: *Tuberoaphis hydrangeae* Tseng & Tao, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberocallis Nevsky, 1929

Publication reference: Zoologische Anzeiger, 82: 221.

Described as genus.

Type species: *Tuberocephalus saltans* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappocallis* Matsumura, 1919.

***Tuberocephalus* Shinji, 1929**

Publication reference: *Lansania*, 1: 39.

Described as genus.

Type species: *Tuberocephalus artemisiae* Shinji, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Akkaiopsis* Zhang (G.-x.), Chen, Zhong & Li, 1999, *Heterogenaphis* Ivanovskaja-Shubina, 1966, *Mutillaphis* Zhang (L.) & Zhang (G.-x.), 2001, *Surcaudaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999, and *Trichosiphoniella* Shinji, 1929.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tuberocephalus* Shinji, 1929**

Publication reference: *Lansania*, 1: 48.

Described as genus.

Type species: *Anoecia onigurumi* Shinji, 1923; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Tuberocephalus* Shinji, 1932.

Subjective status: Junior synonym of *Kurisakia* Takahashi, 1924.

***Tuberocephalus* Shinji, 1932**

Publication reference: *Ôyô Dôbutsugaku Zasshi*, 4: 120.

Described as genus.

Type species: *Tuberocephalus onigurumi* Shinji, 1932; by original designation; junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available but invalid — Junior homonym of *Tuberocephalus* Shinji, 1929.

Useful information about the objective status: Replaced by *Dasyaphis* Takahashi, 1938 (*nomen novum*).

***Tuberocephalus* Das (B.), 1918**

Publication reference: *Memoirs of the Indian Museum*, 6: 259.

Described as genus.

Type species: *Lachnus persicae* Cholodkovsky, 1899; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Pterochloroides* Mordvilko, 1914.

***Tuberocephalus* Hille Ris Lambers & Basu (A.N.), 1966**

Publication reference: *Entomologische Berichten [Amsterdam]*, 26: 34.

Described as subgenus of *Tuberolachnus* Mordvilko, 1909.

Type species: *Tuberolachnus (Tuberolachniella) sclerata* Hille Ris Lambers & Basu (A.N.), 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini — Subgenus of *Tuberolachnus* Mordvilko, 1909.

***Tuberolachnus* Mordvilko, 1909**

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoiy Akademii Nauk, 13 (4) [1908]: 374.

Described as genus.

Type species: *Aphis viminalis* Boyer de Fonscolombe, 1841; by original designation; junior synonym of *Aphis saligna* Gmelin, 1790.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini — With subgenera *Tuberolachnus* and *Tuberolachniella* Hille Ris Lambers & Basu (A.N.), 1966.

***Tuberosiphum* Shinji, 1922**

Publication reference: Dôbutsugaku Zasshi, 34: 789.

Described as genus.

Type species: *Tuberosiphum impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Impatientinum* Mordvilko, 1914.

***Tubicauda* Chakrabarti & Bhattacharya, 1982**

Publication reference: Annales Zoologici [Warszawa], 36: 542.

Described as genus.

Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; by original designation.

Objective status: Available but invalid — Junior homonym of *Tubicauda* Jousseume, 1880 (Mollusca).

Useful information about the objective status: Replaced by *Chakrabartiaphis* Remaudiere, 2001 (*nomen novum*).

***Tullgrenia* van der Goot, 1912**

Publication reference: Tijdschrift voor Entomologie, 55: 96.

Described as genus.

Type species: *Tychea phaseoli* Passerini, 1860; by original designation; junior synonym of *Smynthuroides betae* Westwood, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smynthurodes* Westwood, 1849.

Tumoranuraphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 494.

Described as genus.

Type species: *Tumoranuraphis cerasophila* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; Junior synonym of *Avecinnina indica* Chakrabarti & Maity, 1957.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Turanaphis Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen nudum (Possible junior synonym of *Staticobium* Mordvilko, 1914).

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Turanoleucon Kadyrbekov, 2002

Publication reference: Tethys Entomological Research, 6: 33.

Described as genus.

Type species: *Turanoleucon mitjaevi* Kadyrbekov, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tychea Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 296.

Described as genus.

Type species: *Tychea graminis* Koch, 1857; by subsequent designation (Wilson, 1910: 155).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium [an aphid or a cocid].

Tycheoides Schouteden, 1906

Publication reference: Mémoires de la Société Entomologique de Belgique, 12:

194.

Described as genus.

Type species: *Tetraneura lentisci* Passerini, 1856; by monotypy & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior objective synonym of *Aploneura* Passerini, 1863.

Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.

Uhlmannia Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 251.

Described as genus.

Type species: *Brachycolus singularis* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Uichancoella Calilung, 1975

Publication reference: Philippine Association of Entomologists, 2 (5) [1973]: 322.

Described as genus.

Type species: *Uichancoella gabrieli* Calilung, 1975; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Umbelliferaria Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 582.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Yezabura aizenbergi* Shaposhnikov, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

Unilachnus Wilson, 1919

Publication reference: Entomological News, 30: 5.

Described as genus.

Type species: *Lachnus parvus* Wilson, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schizolachnus* Mordvilko, 1909.

Unipterus Hall, 1932

Publication reference: *Stylops*, 1: 50.

Described as genus.

Type species: *Unipterus terminaliae* Hall, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paoliella* Theobald, 1928.

Unisitobion Takahashi, 1961

Publication reference: *Insecta Matsumurana*, 24: 104.

Described as genus.

Type species: *Macrosiphum sorbi* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphum* Passerini, 1860.

Uraphis Del Guercio, 1907

Publication reference: *Redia*, 4: 191.

Described as genus.

Type species: *Aphis genistae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Uroleucon Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 64.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis sonchi* Linnaeus, 1767; by subsequent designation (Börner, 1930: 141).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Megalosiphum* Mordvilko, 1914.

Subjective status: Valid — Senior synonym of *Eurythaphis* Mordvilko, 1914, and *Tritogenaphis* Oestlund, 1923; *Dactynotus* Rafinesque, 1818 was used in a similar taxonomic sense of this genus.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Uroleucon*, *Belochilum* Börner, 1931, *Divium* Pashchenko, 2000, *Lambersius* Olive, 1965, *Satula* Olive, 1963, and *Uromelan* Mordvilko, 1914.

Uromelan Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 64.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis jaceae* Linnaeus, 1758; by subsequent designation (Hille Ris Lambers, 1939: 3).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1909.

Utamphorophora Knowlton, 1946

Publication reference: Great Basin Naturalist, 7: 1.

Described as genus.

Type species: *Utamphorophora timpanogos* Knowlton, 1946; by original designation; junior synonym of *Myzus humboldti* Essig, 1941.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sitomyzus* Hille Ris Lambers, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Verrucosa Poinar & Brown, 2005

Publication reference: Proceedings of the Entomological Society of Washington, 107: 836.

Described as genus.

Type species: *Verrucosa annulata* Poinar & Brown, 2005; by original designation.

Objective status: Available but invalid — Junior homonym of *Verrucosa* MacCook, 1888 (Araneida).

Useful information about the objective status: Replaced by *Parvaverrucosa* Poinar & Brown, 2006 (*nomen novum*).

Vesiculaphis Del Guercio, 1911

Publication reference: Redia, 7: 463.

Described as genus.

Type species: *Toxoptera caricis* Fullaway, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pentacercatinaphis* Ivanovskaja-Shubina, 1965, and *Trilobaphis* Theobald, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Viburnaphis Pashchenko, 1988

Publication reference: Zoologicheskii Zhurnal, 67 (10): 1580.

Described as genus.

Type species: *Viburnaphis pseudosensoriata* Pashchenko, 1988; by original designation; junior synonym of *Sappaphis viburnicola* Sorin, 1983.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Vitimaphis Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskii Zhurnal, 3: 47.

Described as genus.

Type species: *Vitimaphis rasnitsyni* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

Volutaphis Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.

Described as subgenus of *Lipaphis* Mordvilko, 1928.

Type species: *Lipaphis (Volutaphis) centaureae* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Silenobium* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Wahlgreniella Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 246.

Described as genus.

Type species: *Rhopalosiphum arbuti* Davidson, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Wanyucallis Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 54.

Described as genus.

Type species: *Myzocallis amblyopappos* Zhang (W.-y.) & Zhang (G.-x.), 1994;

by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Wapuna Hottes & Wehrle, 1951

Publication reference: Proceedings of the Biological Society of Washington, 64: 47.

Described as subgenus of *Aphis* Linaeus, 1758.

Type species: *Aphis (Wapuna) tahosalea* Hottes & Wehrle, 1951; by original designation; Junior synonym of *Aphis sedi* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Watabura Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 88.

Described as genus.

Type species: *Watabura nishiyae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafría, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Watamushia* Matsumura, 1917 which is unavailable (Articles 32.2.1 & 32.4).

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Eriosomatinae.

Weibanaphis Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 507.

Described as genus.

Type species: *Weibanaphis alhagis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

Wilsonia Baker (A.C.), 1919

Publication reference: Canadian Entomologist, 51: 212.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; by original designation.

Objective status: Available but invalid — Junior homonym of *Wilsonia* Bonaparte, 1838 (Aves), of *Wilsonia* Clemens, 1864 (Lepidoptera), of *Wilsonia*

Kayser, 1871 (Brachiopoda), of *Wilsonia* Carter, 1885 (Porifera) and of *Wilsonia* Hudleston, 1896 (Mollusca).

Useful information about the objective status: Replaced by *Dilachnus* Baker (A.C.), 1919 (*nomen novum*).

Xanthomyzus Narzikulov, 1966

Publication reference: Entomologicheskoe Obozrenie, 45 (3): 575.

Described as genus.

Type species: *Xanthomyzus glaucii* Narzikulov, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acyrtosiphon* Mordvilko, 1914.

Xenomyzus Aizenberg, 1935

Publication reference: Zapiski Bolchevskoy Biologicheskoy Stanzii, 7-8: 152.

Described as genus.

Type species: *Xenomyzus corticis* Aizenberg, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Acanthulipes* Börner, 1952, *Aphorodon* Takahashi, 1961, and *Metaphorodon* Takahashi, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Trichosiphonaphis* Takahashi, 1922.

Xenopterygus Smith, 1948

Publication reference: Florida Entomologist, 31: 24.

Described as genus.

Type species: *Xenopterygus ipomoiae* Smith, 1948; by original designation; junior synonym of *Geoica floccosa* Moreira, 1925.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geopemphigus* Hille Ris Lambers, 1933.

Xenosiphonaphis Takahashi, 1961

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 11: 6.

Described as genus.

Type species: *Xenosiphonaphis conandri* Takahashi, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Xenothoracaphis Takahashi, 1958

Publication reference: Kontyû, 26: 184.

Described as genus.

Type species: *Thoracaphis kashifoliae* Uye, 1924; by original designation [misspelled as *kashiwae*].

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thoracaphis* van der Goot, 1917.

Xerobion Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Seriya VIII-a, Zoologiya), 3: 22.

Described as genus.

Type species: *Xerobion eriosomatium* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Absinthaphis* Remaudière, 1973.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Xerophilaphis Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Seriya VIII-a, Zoologiya), 3: 4.

Described as genus.

Type species: *Xerophilaphis saxaulica* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Brachyunguis* Das (B.), 1918.

Xilutianocallis Wang, 1991

Publication reference: Memoirs of Beijing Natural History Museum, 49: 4.

Described as genus.

Type species: *Xilutianocallis yangi* Wang, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Yamataphis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 412.

Described as genus.

Type species: *Yamataphis oryzae* Matsumura, 1917; by original designation; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

Yamatocallis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 366.

Described as genus.

Type species: *Yamatocallis hirayamae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Chaitophoraphis* Shinji, 1923, *Megalocallis* Takahashi, 1963, and *Megalophyllaphis* Ghosh (M.R.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970.

Taxonomic position: Aphididae Drepanosiphinae.

Yamatochaitophorus Higuchi, 1972

Publication reference: Insecta Matsumurana, 35: 98.

Described as genus.

Type species: *Trichaitophorus albus* Takahashi, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Yezabura Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 392.

Described as genus.

Type species: *Yezabura sasae* Matsumura, 1917; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Yezaphis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 411.

Described as genus.

Type species: *Yezaphis sasicola* Matsumura, 1917; by original designation; Junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

Yezocallis Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial

University, 7: 369.

Described as genus.

Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Antisymydobius* Qiao & Zhang (G.-x.), 2002.

Subjective status: Junior synonym of *Symydobius* Mordvilko, 1894.

Yezosiphum Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7 (1): 7.

Described as genus.

Type species: *Yezosiphum thalictri* Matsumura, 1919; by original designation; junior synonym of *Aphis trirhoda* Walker, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

Yueaphis Wang, 1993

Publication reference: Bulletin of the Chinese Academy of Geological Sciences, 27: 176.

Described as genus.

Type species: *Yueaphis fushunensis* Wang, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

Zelkovaphis Barbagallo, 2002

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 34 (3): 282.

Described as genus.

Type species: *Zelkovaphis trinacriae* Barbagallo, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

Zinia Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 221.

Described as genus.

Type species: *Zinia veronicae* Shaposhnikov, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Zymus Heie, 1972

Publication reference: *Steenstrupia*, 2: 254.

Described as genus.

Type species: *Zymus succinicola* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

Zyxaphis Knowlton, 1947

Publication reference: *Pan-Pacific Entomologist*, 23: 35.

Described as genus.

Type species: *Zyxaphis utahensis* Knowlton, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.

UNAVAILABLE NAMES / NOMBRES INDISPONIBLES

Absinthaphis Paik, 1972 (Illustrated Encyclopedia of the Fauna and Flora of Korea; Insecta (V): 247).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

Absinthifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Acerifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Achillaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 474).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Aegopodaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Allomyzus Takahashi, 1965 (Insecta Matsumurana, 28 (1): 31).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

Allotrichosiphon Takahashi, 1962 (Transactions of the Shikoku Entomological Society, 7 (3): 70).

Cause of unavailability: Original spelling substituted with *Allotrichosiphum* Takahashi, 1962, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).

Ammiaphis Börner, 1944 (Aphidoidea, Blattläuse. Fauna von Deutschland. 5 Auflage (Brohmer ed.): 216).

Cause of unavailability: Established after 1930 without type species (Article 13.3); see *Ammiaphis* Börner, 1952.

Amrhopalosiphonicus Shinji, 1933 (Kontyû, 7: 270).

Cause of unavailability: Established after 1930 without text description (Article 13.1) and without type species (Article 13.3); sometimes considered synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

- Amyzus** Hille Ris Lambers, 1946 (Alta & van Leeuwen, 1946. Gallenboek. Nederlandse Zoöceciëdiën door dieren verorzaakte Gallen: 156).
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Nectarosiphon* Schouteden, 1901.
- Annaja** Börner, 1952 (Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 249) [as subgenus of *Yezabura* Matsumura, 1917].
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Dysaphis* Börner, 1951.
- Archicallis** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Arthromyzus** Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of *Hyperomyzus* Börner, 1933].
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Aspidophorodon** Verma, 1965 (Science as Culture, 31: 389).
Cause of unavailability: Established after 1930 without text description (Article 13.1).
- Balsamitifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Bromaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Bumelifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Calamaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Callaphis** Mordvilko, 1908 (Biologische Centralblatt, 39 (3):102).
Cause of unavailability: Established before 1931 without text description or indication (Article 12.1) and without available included species (Article 12.2.5).

- Callaphis** Mordvilko, 1914 (Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 27).
Cause of unavailability: Established before 1931 without text description or indication (Article 12.1) and without available included species (Article 12.2.5)
- Carazzia** Del Guercio, 1930 (Redia, 19: 500).
Cause of unavailability: Established in synonymy (Article 11.5) with *Clavisiphon* Del Guercio, 1930.
- Caricobium** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 8).
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Cerasaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Cerasifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Chaetocallis** Börner, 1952 (Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 62).
Cause of unavailability: Established in synonymy (Article 11.5) with *Hoplochaitophorus* Granovsky, 1933.
- Clethraphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Cornifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Corylaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Craccifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

- Crambaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Dianthaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Dryaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Elatiptus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Evonymaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Genistifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Humulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Idiovatus** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 217).
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Iziphyopsis** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 214).
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Jaceifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Judenkoa** Hille Ris Lambers, 1946 (Alta & van Leeuwen, Gallenboek, Nederlandse zoöcecidien door dieren veroorzaakte gallen: 158).

Cause of unavailability: Established after 1930 without text description (Article 13.1); see *Judenkoa* Hille Ris Lambers, 1953.

Juglandifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Juniperifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Lachnaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Lachnodaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Laricethus Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 485).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Lychnidaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Lythraxis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Meconaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Mecynaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Melanosiphon Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 217).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

Myzaegirus Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Myzodium Börner, 1949 (Aphidoidea, Janetschek [Ed.], Berichte der Naturwissenschaftlich-Medizinischen Vereins in Innsbruck, 48-49: 153).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

Myzosiphon Hille Ris Lambers, 1946 (Alta & van Leeuwe, Gallenboek. Nederlandse Zoöceciëdiën door dieren verorzaakte Gallen: 244).

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920, with a taxonomic sense as *Neorhopalosiphoninus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968.

Neocalaphis Shinji, 1927 (Bulletin of the Morioka Imperial College of Agriculture and Forestry, 11: 28).

Cause of unavailability: Established in synonymy (Article 11.5) with *Chromaphis* Walker, 1870.

Neocinaria Pašek, 1966 (Pintera, Acta Entomologica Bohemoslovaca, 63 (4): 282 [as subgenus of *Cinara* Curtis, 1835]).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

Neotuberculatus van der Goot, 1915 (Beiträge zur Kenntnis der Holländischen Blattläuse: 567).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Tuberculoïdes* van der Goot, 1915 is the adopted alternative original spelling.

Nevskia Mordvilko, 1932 (Trudy po Zashchite Rasteniy, (Ser. Entomologiya), 5: 236).

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered synonym of *Melanaphis* van der Goot, 1917.

Nigritarsifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Nymphaeifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Oncodaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Ovatopsis Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).

Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).

Oxyacanthaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Padifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Paracletius Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 487).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Paraoregma Ghosh (A.K.), 1974 (Indian Agriculture, 88 (2): 102).

Cause of unavailability: Established after 1930 without text description (Article 13.1); see *Paraoregma* Ghosh (M.R.), Pal & Raychaudhuri, 1977.

Paraphis Mordvilko, 1955 (Shaposhnikov, Forest Pests: 795).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

Pharalis Leach, 1826 (Risso, Histoire Naturelle des Principales Productions Méridionales. 5: 217).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Phegirus Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Philyriptus Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Picridifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature

(Article 11.4).

Pinetifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Pityaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Plantaginifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Platanaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Prunifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Pseudacaudella Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 216).

Cause of unavailability: Established after 1930 without type species (Article 13.3); see *Pseudacaudella* Börner, 1950.

Pseudoastegopteryx Ghosh (A.K.) (Indian Agriculture, 88 (2): 102).

Cause of unavailability: Established after 1930 without text description (Article 13.1; see *Pseudoastegopteryx* Ghosh (M.R.), Pal & Raychaudhuri, 1977.

Pseudocinara Pašek, 1966 (Pintera, Acta Entomologica Bohemoslovaca, 63 (4): 282).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

Psorodaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Rhopalomyzus Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of *Hyperomyzus* Börner, 1933].

Cause of unavailability: Established after 1930 without type species (Article 13.3).

- Ribifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Rumicifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Salicetifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Salicifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Sambucifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Scolymaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Serratulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Shaposhnikovia** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Sitobium** Mordvilko, 1919 (Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65).
Cause of unavailability: Original spelling substituted with *Sitobion* Mordvilko, 1914, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).
- Solidaginifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).
Cause of unavailability: No consistent application of binominal nomenclature

(Article 11.4).

Sonchifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Stylectaphis Knowlton, 1972 (Utah Agricultural Experiment Station Mimeograph Series, 164: 6).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

Szelegiewiczia Özdikem & Demir, 2007 (Munis Entomology and Zoology, 2 (2): 437).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Szelegiewicziana* Özdikem & Demir, 2007 is the adopted alternative original spelling.

Taeniolachnus Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Tanacetifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Toxares Williams, 1891 (University of Nebraska Department of Entomology Special Bulletin 1: 26).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Tramia Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 487).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Tremulifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Tremulinax Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Trichonosiphoniella Shinji, 1929 (Lansania, 1: 46).

Cause of unavailability: Alternative original spelling not adopted by the

first reviser (Article 19.3); *Trichosiphoniella* Shinji, 1929 is the adopted alternative original spelling.

Trichonosiphuniella Shinji, 1929 (Lansania, 1: 41).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Trichosiphoniella* Shinji, 1929 is the adopted alternative original spelling.

Urticifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Ussuraphis Mordvilko, 1924 (Doklady Rossiyskoy Akademii Sel'skokhozyaystvennykh Nauk, 1924: 49).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Uzbekaphis Mordvilko, 1929 (Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 83).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Viburnifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Vitellinifex Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Watamushia Matsumura, 1917 (Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 93).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Watabura* Matsumura, 1917 is the adopted alternative original spelling.

Xylosthaphis Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Xylosthaetius Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

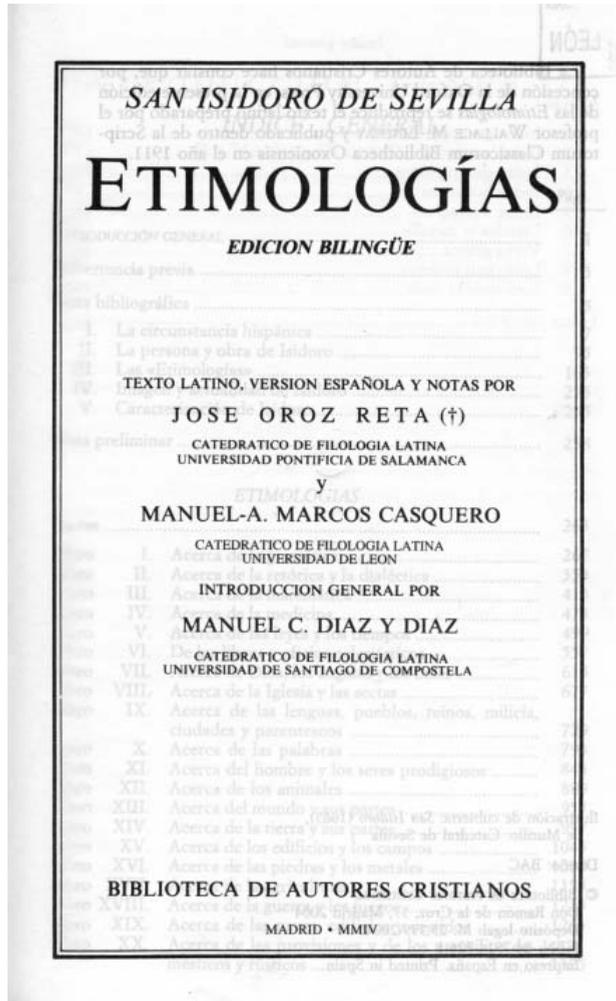
Zabapaphis Richards, 1971 (Memoirs of the Entomological Society of Canada, 80: 93, legend to figure).

Cause of unavailability: Established in synonymy (Article 11.5) with *Peltaphis* Frison & Ross, 1933.

**ETYMOLOGY AND GENDER OF GENUS-
GROUP NAMES**

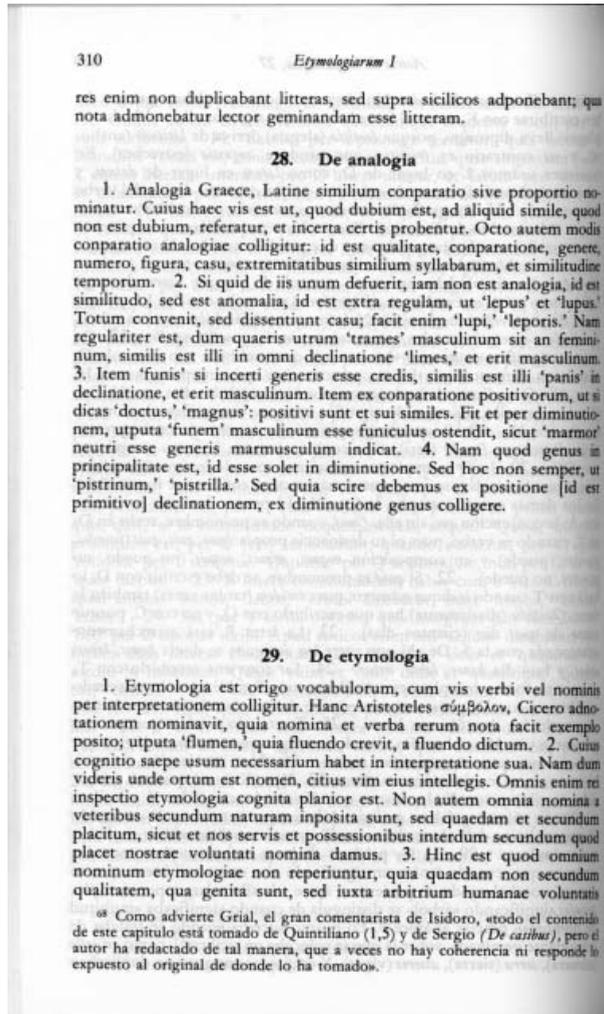
**ETIMOLOGÍA Y GÉNERO GRAMATICAL DE LOS
NOMBRES DE LOS TAXONES DE NIVEL GÉNERO**

Francisco **Cortés Gabaudan**, Juan M. **Nieto Nafría**, Colin **Favret**, Sebastiano **Barbagallo**, Masakazu **Sano** and Andrey V. **Stekolshchikov**



Cover and page 310 of *Etimologías* by Saint ISIDORE OF SEVILLE. Biblioteca de Autores Cristianos, edition 2004. Biblioteca de la Universidad de León, call number 030 ISI.

1. Etymology is the origin of word, when the force of a verb or a noun is inferred through interpretation. Aristotle called this *symbolon*, and Cicero *adnotatio*, because by presenting their model it makes known the names and words for things. For example, *flumen* (river) is so called from *fluendum* (flowing) because it has grown by flowing. 2. The knowledge of a word's etymology often has an indispensable usefulness for interpreting the word, for when you have seen whence a word has originated, you understand its force more quickly. Indeed, one's insight into anything is clearer when its etymology is known. However, not all words were established by whim, just as we some-times give names to our slaves and possessions according to what tickles our fancy. 3. Hence it is the case that etymologies are not to be found for all words, because some things received names according to their innate qualities, but by the caprice of human will. [...] ("The Etymologies of Isidore of Seville", translated by Stephen A. Barney, W. J. Lewis, J. Beach, and Oliver Berghof. Cambridge University Press, 2006. <[http://books.google.co.uk/books?id=3ep502syZv8C&printsec=frontcover#v](http://books.google.co.uk/books?id=3ep502syZv8C&printsec=frontcover#v>)>).



Cubierta y página 310 de *Etimologías* de San ISIDORO DE SEVILLA. Biblioteca de Autores Cristianos, edición 2004. Biblioteca de la Universidad de León, signatura 030 ISI.

1. La etimología estudia el origen de los vocablos, ya que mediante su interpretación se llega a conocer el sentido de las palabras y los nombres. Aristóteles la denominó *symbolon*, y Cicerón, *adnotatio*, porque a partir de un modelo, se nos dan a conocer las palabras y los nombres de las cosas. Por ejemplo, *flumen* (río) deriva de *fluere*, porque fluyendo crece. 2. Su conocimiento implica a menudo una utilización necesaria de la interpretación léxica. Pues, si se sabe cuál es el origen de una palabra, más rápidamente se comprenderá su sentido. El examen de cualquier objeto es mucho más sencillo cuando su etimología nos es conocida. No obstante, nuestros antepasados no impusieron nombre a todas las cosas considerando la naturaleza de éstas, sino que en ocasiones obraron a su antojo, del mismo modo que nosotros, a veces, damos a nuestros siervos y posesiones un nombre según nos place. 3. De aquí que no sea posible determinar la etimología de todas las palabras, ya que muchas cosas no recibieron sus nombres en virtud de la naturaleza con que fueron creadas, sino en virtud del libre albedrío humano. [...] ("*San Isidoro de Sevilla*. Etimologías. Edición Bilingüe", versión española José Oroz Reta y Manuel-A. Marcos Casquero. Biblioteca de Autores Cristianos, 2004. Biblioteca de la Universidad de León, signatura 030 ISI).

ETYMOLOGY AND GENDER OF GENUS- GROUP NAMES

Latin is a language in which all nouns, along with their associated adjectives and past participles, are accorded a gender, be it masculine, feminine, or neuter. By consequence, epithets must agree with the nouns they describe in both gender and grammatical number (singular or plural).

As stipulated in the International Code of Zoological Nomenclature, 4th Edition, generic names are nominative singular nouns. Specific and subspecific epithets can be adjectives, participles, or nouns in apposition, as associated with a genus.

If a specific or subspecific epithet is an adjective or participle, it must be written in the nominative singular and correspond in gender with its associated genus name (Article 11.9.1.1), as for example, *Tuberculatus californicus*, *Anoecia rossica*, and *Aulacorthum nipponicum*, which are, respectively, masculine, feminine, and neuter. However, if the adjective is derived from the species name of an organism with which the named animal in question is associated, and the adjective is then used as a noun, it must be used in the genitive case (Article 11.9.1.4) and keeps its own gender independent of the genus.

If an epithet is a noun, it keeps its own gender. If used in apposition, the noun must be nominative singular (Article 11.9.1.2), as in *Schizaphis agrostis*; if not in apposition, it must be genitive singular or plural (Article 11.9.1.3), as in *Aphis sambuci* and *Capraphis blackmani*, which are singular, or *Aphis berberidorum*, which is plural.

Genders are relatively easily recognized for generic names clearly derived from Greek or Latin, but not always so for generic names partially or fully derived from other languages. In order to settle the issue and avoid gender inconsistencies between genera and specific and subspecific epithets, the Code includes the following (Article 30):

Gender of genus-group names. The gender of a genus-group name is determined by the provisions of this Article.

30.1. Gender of names formed from Latin or Greek words. Subject to the exceptions specified in Article 30.1.4,

30.1.1. a genus-group name that is or ends in a Latin word takes the gender given for that word in standard Latin dictionaries; if it is a compound word formed from two or more components, the gender is given by the final component (in the case of a noun, the gender of that noun; in the case of any other component, such as a Latin suffix, the gender appropriate to that component);

Examples. *Felis* and *Tuba*, feminine; *Salmo*, *Passer*, *Ursus* and *Turdus*, masculine; *Argonauta*, masculine from the final noun *nauta* (a sailor), masculine; *Lithodomus*, feminine from the final noun *domus* (a home), feminine; *Anser* (a goose), masculine, as are names ending in it; *Anseranas*, feminine (a compound name of two nouns: *Anser*, masculine, but the final noun *anas* (a duck) is feminine); *Anserina* (*Anser* with the suffix *-ina*), feminine; *Oculina*, feminine (from the Latin masculine noun *oculus* and the feminine suffix *-ina*); *Orca* (from *orca*, a large-bellied pot), feminine; names formed from it by the addition of suffixes: *Orcaella*, feminine, and *Orcinus*, masculine.

30.1.2. a genus-group name that is or ends in a Greek word transliterated into Latin without other changes takes the gender given for that word in standard Greek dictionaries;

Examples. Greek nouns transliterated without change into Latin as the whole or part of a name: *Ichthyornis*, ending in *-ornis* (*ornis*), is masculine; *Lepas* (*lepas*) is feminine; *Diadema* (*diadema*) is neuter. Names ending in *-caris* (*caris*), *-gaster* (*gaster*), *-lepis* (*lepis*), or *-opsis* (*opsis*) are feminine; names ending in *-ceras* (*keras*), *-nema* (*nema*), *-soma* (*soma*), *-stigma* (*stigma*), or *-stoma* (*stoma*) are neuter.

30.1.3. a genus-group name that is a Greek word latinized with change of ending, or with a Latin or latinized suffix, takes the gender normally appropriate to the changed ending or the Latin suffix.

Examples. Names with the Latin gender ending *-us*, latinized from the Greek endings *-os* (masculine or feminine), *-e* (feminine), *-a* (neuter) or *-on* (neuter), are masculine: e.g. *-cephalus* (*kephale*), *-cheilus* and *-chilus* (*cheilos*), *-crinus* (*krinon*), *-echinus* (*echinos*), *-gnathus* (*gnathos*), *-rhamphus* (*rhamphos*), *-rhynchus* (*rhynchos*), *-somas* (*soma*), *-stethus* (*stethos*), and *-stomus* (*stoma*). Names ending in the Latin gender ending *-a*, latinized from the Greek ending *-on* are feminine, e.g. *-metopa* (*metopon*). Names derived from the Greek *-keras* (neuter) may have the ending *-cerus* (masculine) or *-cera* (feminine), although simple transliteration of the Greek ending as *-ceras* retains the neuter gender; *Phorella* (feminine) is derived from the Greek word *phor* (a robber, masculine) and the Latin diminutive suffix *-ella* (feminine); *Scatella*, feminine, is derived from *skatos* (neuter) and the Latin suffix *-ella* (feminine); *Doridunculus* (masculine) from *Doris*, Greek, the name of a sea goddess (feminine), and *-unculus* a Latin suffix (masculine).

30.1.4. The following exceptions apply:

30.1.4.1. If the author states when establishing the name that it is not formed from, or is not treated as, a Latin or Greek word [Art. 26], the gender is determined as though the name is an arbitrary combination of letters (Article 30.2.2).

30.1.4.2. A genus-group name that is or ends in a word of common or variable gender (masculine or feminine) is to be treated as masculine unless its author, when

establishing the name, stated that it is feminine or treated it as feminine in combination with an adjectival species-group name [Art. 31.2].

Examples. *Bos* is of common gender (meaning ox or cow); it and compound names ending in it (such as *Ovibos*), are treated as masculine. Compound Latin nouns ending in *-cola* (masculine or common gender in Latin): *Agricola* (“tiller of fields”, masculine in Latin) is masculine, *Sylvicola* (“inhabitant of woods”) and *Monticola* (“highlander”) are treated as masculine. *Petricola* (“dweller among rocks”, common gender in Latin) is feminine because it was originally treated as feminine by being combined with the specific names *costata*, *striata* and *sulcata*.

30.1.4.3. A compound genus-group name ending in *-ops* is to be treated as masculine, regardless of its derivation or of its treatment by its author.

30.1.4.4. A compound genus-group name ending in the suffix *-ites*, *-oides*, *-ides*, *-odes*, or *-istes* is to be treated as masculine unless its author, when establishing the name, stated that it had another gender or treated it as such by combining it with an adjectival species-group name in another gender form.

Examples. *Hoplitoides* and *Harpides* are masculine, but *Aleptinoides* (meaning “like *Aleptina*”) is treated as feminine because that was the gender adopted by its original authors.

30.1.4.5. A genus-group name that is or ends in a Latin word of which the ending has been changed takes the gender appropriate to the new ending; if the ending is such as not to indicate a particular gender, the name is to be treated as masculine.

Example. *Dendrocygna* is feminine, although the second word in the combination is formed from *cygnus* (a swan), masculine.

30.2. Gender of names formed from words that are neither Latin nor Greek.

30.2.1. If a name reproduces exactly a noun having a gender in a modern European language (without having to be transliterated from a non-Latin alphabet into the Latin alphabet) it takes the gender of that noun.

Example. *Pfrille*, from the feminine German noun *Pfrille* (a minnow), is feminine.

30.2.2. Unless Article 30.2.1 applies, a name that is not formed from a Latin or Greek word takes the gender expressly specified by its author.

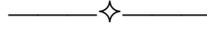
30.2.3. If no gender was specified, the name takes the gender indicated by its combination with one or more adjectival species-group names of the originally included nominal species [Art. 67.2.].

30.2.4. If no gender was specified or indicated, the name is to be treated as masculine, except that, if the name ends in *-a* the gender is feminine, and if it ends in *-um*, *-on*, or *-u* the gender is neuter.

Examples. *Jackmahoneya* (from Jack Mahoney) is masculine because its author specified it. *Oldfieldthomasia* (from Oldfield Thomas) and *Dacelo* (anagram of *Alcedo*) are feminine, being so treated by their authors. *Abudedefduf* (from Arabic), *Gekko* (from Malay) and *Milax* (an anagram of *Limax*) are treated as masculine, because no gender was specified or indicated by their authors. *Buchia* (from von Buch), *Cummingella* (from Cumming), *Zyzza* (an arbitrary combination of letters) and *Solubea* (an anagram) are all treated as feminine, and the anagram *Daption* as neuter.

Recommendation 30A. Gender and derivation to be made explicit. Authors should expressly state the gender and derivation of a new genus-group name when establishing it.

Recommendation 30B. Gender to be made self-evident. So that the gender of new genus-group names is self-evident, authors, when forming new names based on words that are not Latin or Greek and stating their genders, are advised to choose genders for them appropriate to their endings.



A generic name's etymology is critical to accurately determining its gender.

Unfortunately, the authors of most aphid genera either did not specify the etymology and gender of their names, or did so without heeding the aforementioned Article or its equivalent in previous editions of the Code. This imprecision has led to confusion and errors in transfer and use of nomenclatural information.

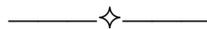
In order to finally stabilize the nomenclatural situation, we researched the etymology of each name and determined its consequent gender, both of which are listed here. We omit homonyms for obvious reasons.

When available, the etymology presented by the author in a taxon's original description was maintained and adapted to conform to the present format.

Of the 1,220 available names, we have clarified the etymology and gender of 1,184, and the gender only of another 13. The remaining 23 generic names are homonyms of other aphid names.

The 13 names with missing or incomplete etymology are:

- i) *Antalus* Adams, *Mindarus* Koch, and *Symydoobius* Mordvilko, with unknown etymology;
- ii) *Acanthulipes* Börner, *Akkaia* Takahashi, *Cranaphis* Takahashi, *Tinocallis* Matsumura, and *Trama* von Heyden, with uncertain etymology; and
- iii) *Antonaphis* Kononova, *Belochilum* Börner, *Lidaja* Börner, *Mariaella* Szelegiewicz, and *Uhlmania* Börner, with incomplete etymology; although it is clear that these last names were each established in someone's honor, we were unable to identify the respective honoree.



A few aphid generic names were formed from a single word, such as *Aphis*, *Sipha*, *Forda*, and *Wapuna*. *Aphis* is a scientific Latin neologism established by Linnaeus, which probably derived from the Greek *aphidés*, meaning "spendthrift", possibly because aphids are fecund and voracious. *Sipha* is the palindrome of *Aphis* and to be treated, per the Code, as a simple combination of letters. *Forda* is Latin for 'pregnant'. *Wapuna* is a Potawatomie word meaning 'dawn'. In the list, we provide the language of origin whenever possible.

More commonly, however, aphid generic names are formed with two or more constituents. The nature of these parts can be summarized as follows:

1) A commonly used word in the language of origin, or its root if a word from classical Greek or Latin, such as *acuti*, a Latin word meaning ‘sharp’, as in *Acuticauda*, or *tricho-*, a Greek word meaning ‘hair’ (‘seta’ in common entomological use), as in *Trichophorus*. Or it might be a part of a full word or root, such as *rhiz*, part of the Greek word *rhiza* meaning ‘root’, as in *Rhizopterus*, or *ramu*, part of the Latin word *ramus* meaning ‘branch’, as in *Ramatrichophorus*. That part of the original word omitted to make the generic name is included in parentheses in the preceding list, for example *rhiz(a)* and *ramu(s)*. In these cases we provide the language of origin of the constituent part. Even if they are common words, when appropriate we use them in their modern entomological or aphidological sense, such as *cauda* or *siphon*, whose meanings will not escape any aphidologist.

2) The name of another genus of aphid, or occasionally another insect, which is used in reference to it. *Aphis*, or slightly modified versions of it, appears in 356 names, among which are several examples used here; *Myzus* appears in 51 generic names. Other insect names appear, such as *Avicenn(a)* [a shield bug] in *Avicennina*. With the constituent parts of these names, we do not reference the language of origin, which is always Latin (or rather zoological nomenclatural Neolatin), nor do we attribute the constituent aphid names taxonomically. Many names containing the constituent part *-callis* bear special mention: this suffix indicates a similarity between the aphid genus in question and others in the subfamily Calaphidinae, as first used by Passerini in 1860 for the genus *Myzocallis*, when he employed a Greek word used by Koch five years prior in *Callipterus*.

3) The name of a plant species with which the aphid genus is associated, such as (*Artemisia*) *absinth(ium)* [a plant species] in *Absinthaphis*, *Viburn(um)* [a plant genus] in *Viburnaphis*, and *Umbellifer(ae)* [a plant family] in *Umbelliferaria*. We do not reference the language of origin for these constituent parts, which again is Neolatin.

4) The name of a geological period or a geographic name, broadly understood to include paleogeography, present and past political entities, or constellations, continents, seas, islands, terrestrial regions, rivers, mountains, countries, states, localities, etc., either whole or in part. For example “Cretaceous” [geological period] in *Cretacallis*, “Hyades” [(Greek) name for a group of stars] in *Hyadaphis*, “Gondwana” [paleocontinent] in *Gondvanoaphis*, “Asia” [continent] in *Asiataphis*, “Baltic” [sea] in *Baltichaitophorus*, “Formosa” [(Portuguese) name for the island of Taiwan] in

Formosaphis, “Pehuenche” [natural region in Argentina] in *Pehuenchaphis*, *Biamo* [river in Primorskyi kray, Russia] in *Biamoaphis*, “Alatau” [mountain range in Kazakhstan] in *Alataumyzus*, “Chile” [country] in *Chileaphis*, “Utah” [state of USA] in *Utamphorophora*, “Aix” [locality in France] in *Aixaphis*. The language of origin of the geographic name is not presented unless needed for clarity. The type of geographic entity is always presented, however, unless due to repetition the entity is well known.

5) A mythological name, such as hamadryad, a tree-dwelling wood nymph in Greek mythology, in *Hamadryaphis*.

6) The surname, or a part thereof, of a person important to the genus author, a colleague, collector, or benefactor, and sometimes including the person’s given name, or a part thereof. For example, “Semen Semenovich Abamalek-Lazarew”, a Russian Prince, industrialist and patron, in *Abamalekia*; “Antonio Berlese”, an Italian entomologist, in *Rhizoberlesia*; or “Clarence Preston Gillette” [American aphidologist] in *Ceppegillettea*. We sought to provide the person’s complete name whenever possible. In quotations we indicate the person’s professional contribution, understanding that if they were an “aphidologist”, they not necessarily contributed only to the science of aphidology.

7) Latin or Greek suffix with a well-understood meaning and which is usually used unabbreviated, such as *-ella*, a Latin suffix meaning ‘small’, as in *Macrosiphoniella*; or *-opsis*, a Greek term meaning ‘having the appearance of’, as in *Cavaraiellopsis*.

8) Latin or Greek suffix used only to provide a reasonable spelling to the name, such as *-a*, *-ida*, *-ia*, *-us*, or *-um* in *Cerosipha*, *Pergandeida*, *Tamalia*, *Myzus* and *Macrosiphum*. Due to their obvious nature, we do not list the language of origin.

9) Connecting letter, placed between constituent parts to join them into a more legible whole. These are presented between hyphens, for example *-a-* and *-t-* in *Thelazacallis* and *Asiataphis*, or the more frequent *-o-*, typical connecting letter from Greek, and *-i-*, typical connecting letter from Latin, in *Taiwanomyzus* and *Macrosiphoniella*.



In presenting the etymology, the vowel length is indicated by the presence or absence of a macron; for example “ā” marks a long, or heavy vowel, whereas “a” marks a short, or light vowel. In Latin words of three or

more syllables, the vowel length of the penultimate syllable indicates where the stress falls: if the vowel of the penultimate syllable is long, or heavy, the stress falls on that same syllable, but if it is short, or light, the stress falls on the antepenultimate syllable. The stressed syllable guides the correct pronunciation of Latin words as spoken in modern languages.



We thank our friends and colleagues Ge-xia Qiao, Samiran Chakrabarti, Georges Remaudière, Victor Eastop, and Ole Heie for help determining the etymology of some names.

ETIMOLOGÍA Y GÉNERO GRAMATICAL DE LOS NOMBRES DE LOS TAXONES DE NIVEL GÉNERO

La lengua latina es una de los idiomas en los que todos los sustantivos, así como los adjetivos y participios pasivos tienen género gramatical, que puede ser masculino, femenino o neutro. Como consecuencia de lo anterior los epítetos deben concordar en género y también en número (singular o plural) con el sustantivo al que califican.

Como determina el Código Internacional de Nomenclatura Zoológica, 4.^a edición, los nombres de los géneros son sustantivos en nominativo singular. Los nombres específicos y subespecíficos de binómenes y trinómenes, respectivamente pueden ser adjetivos, participios, o sustantivos en aposición.

Si un nombre específico o subespecífico es un adjetivo o un participio ha de estar en nominativo singular y tiene que concordar en género con el nombre genérico (artículo 11.9.1.1), como por ejemplo en *Tuberculatus californicus*, *Anoecia rossica*, y *Aulacorthum nipponicum*, que respectivamente están en masculino, femenino y neutro. Aunque si el adjetivo deriva del nombre específico de un organismo con el cual el animal está asociado y se usa como sustantivo es obligatorio utilizarlo en genitivo (artículo 11.9.1.4) y mantiene su propio género gramatical.

Si es un sustantivo ha de mantener su propio género gramatical; ha de estar en nominativo singular si está en aposición (artículo 11.9.1.2), como en *Schizaphis agrostis*, o en genitivo singular o plural si no está en aposición (artículo 11.9.1.3), como en *Aphis sambuci* o en *Capraphis blackmani* que están en singular o en *Aphis berberidorum* que está en plural.

El género gramatical de los géneros cuyos nombres son claramente griegos o latinos se pueden establecer con una relativa facilidad, pero no sucede lo mismo con los nombres que tienen su origen total o parcial en palabras de otras lenguas. Para resolver las dudas, y para evitar las discordancias en género gramatical con nombres específicos (o en su caso subespecíficos) el Código ha establecido lo siguiente (artículo 30):

Género gramatical de los nombres de nivel género. El género gramatical de un nombre de nivel género se determina mediante las disposiciones de este artículo.

30.1. Género gramatical de los nombres formados a partir de palabras griegas o latinas. Sujeto a las excepciones especificadas en el Art. 30.1.4,

30.1.1. un nombre de nivel género que consiste o termina en una palabra latina toma el género gramatical de esa palabra dado en los diccionarios latinos de referencia; si es una palabra compuesta formada por dos o más constituyentes, el género gramatical viene dado por el componente final (en el caso de un nombre, el género gramatical de ese nombre; en el caso de cualquier otro constituyente (como un sufijo latino), el género gramatical adecuado para ese constituyente);

Ejemplos.- *Felis* y *Tuba*, femeninos; *Salmo*, *Passer*, *Ursus* y *Turdus*, masculinos; *Argonauta*, masculino debido al nombre final nauta (marinero, masculino); *Lithodomus*, femenino debido al nombre final domus (casa, femenino); *Anser* (ganso), masculino como los nombres formados a partir de él; *Anseranas*, femenino (un nombre compuesto de dos nombres: *Anser*, masculino, pero el nombre final *anas* (pato) es femenino; *Anserina* (*Anser* con el sufijo *-ina*, femenino);

Oculina (femenino, del nombre latino masculino *oculus* y el sufijo femenino *-ina*); *Orca* (de orca, vasija de amplio vientre, femenino) y los nombres formados a partir de éste mediante la adición de sufijos, *Orcaella* (femenino) y *Orcinus* (masculino).

30.1.2. un nombre de nivel género que consiste o termina en una palabra griega transliterada al latín sin ningún cambio toma el género gramatical de esa palabra dado en los diccionarios griegos de referencia;

Ejemplos.- Nombres griegos transliterados sin cambio al latín como todo o parte de un nombre: *Ichthyornis*, terminado en *-ornis* (ornis), es masculino; *Lepas* (lepas) es femenino; *Diadema* (diadema) es neutro. Los nombres terminados en *-caris* (caris), *-gaster* (gaster), *-lepis* (lepis) u *-opsis* (opsis) son femeninos; los nombres terminados en *-ceras* (keras), *-nema* (nema), *-soma* (soma), *-stigma* (stigma) o *-stoma* (stoma) son neutros.

30.1.3. un nombre de nivel género que sea una palabra griega latinizada con cambio de terminación o con un sufijo latino o latinizado, toma el género gramatical normalmente adecuado a la terminación cambiada o al sufijo latino.

Ejemplos.- Los nombres con la terminación de género gramatical latino *-us*, latinizada a partir de las terminaciones griegas *-os* (masculina o femenina), *-e* (femenina), *-a* (neutro) u *-on* (neutro), son masculinos: p. ej., *-cephalus* (kephale), *-cheilus* y *-chilus* (cheilos), *-crinus* (krinon), *-echinus* (echinos), *-gnathus* (gnathos), *-rhamphus* (rhamphos), *-rhynchus* (rhynchos), *-soma* (soma), *-stethus* (stethos) y *-stomus* (stoma). Los nombres con la terminación de género gramatical latino *-a*, latinizada a partir de la terminación griega *-on*, son femeninos, p. ej. *-metopa* (metopon). Los nombres derivados del griego *-keras* (neutro) pueden tener las terminaciones *-cerus* (masculina) o *-cera* (femenina), aunque la simple transliteración de la terminación griega como *-ceras* conserva el género gramatical neutro; *Phorella* (femenino) se deriva de la palabra griega *phor* (salteador, masculino) y el sufijo diminutivo latino *-ella* (femenino); *Scatella*, femenino, se deriva de *skatos* (neutro) y el sufijo latino *-ella* (femenino); *Doridunculus* (masculino), de Doris, el nombre griego de una diosa marina (femenino) y *-unculus*, un sufijo latino (masculino).

30.1.4. Se aplican las siguientes excepciones.

30.1.4.1 Si el autor hace constar al establecer el nombre que no se forma de una palabra latina o griega o que no se trata como tal [Art. 26], el género gramatical se determina como si el nombre fuese una combinación arbitraria de letras [Artículo 30.2.2].

30.1.4.2. Un nombre de nivel género que consista o termine en una palabra de género gramatical común o variable (masculino o femenino) debe tratarse como masculino a menos que su autor, al establecer el nombre, hiciese constar que es femenino o lo tratase como tal en combinación con un nombre específico adjetivo [Art. 31.2].

Ejemplo.- *Bos* es de género gramatical común (que significa buey o vaca); éste y los nombres compuestos terminados en él (como *Ovibos*) se tratan como masculinos. Los nombres compuestos latinos terminados en *-cola* (de género gramatical masculino o común en latín): *Agri-cola* (labrador, masculino en latín) es masculino, *Sylvicola* (habitante del bosque) y *Monticola* (montañés) se tratan como masculinos. *Petricola* (habitante de las rocas, del género gramatical común en latín) es femenino porque se trató originariamente como femenino al combinarlo con los nombres específicos *costata*, *striata* y *sulcata*.

30.1.4.3. Un nombre compuesto de nivel género que termine en *-ops* debe tratarse como masculino, independientemente de su derivación o de su tratamiento por el autor.

30.1.4.4. Un nombre compuesto del nivel género que termine en los sufijos *-ites*, *-oides*, *-ides*, *-odes* o *-istes* debe tratarse como masculino a menos que su autor, al establecer el nombre, haya hecho constar que su género gramatical era otro o lo haya tratado como tal al combinarlo con un nombre de grupo especie, que sea un adjetivo en otro género gramatical.

Ejemplos.- *Hoplitoides* y *Harpides* son masculinos, pero *Aleptinoides* (que significa "similar a *Aleptina*") se trata como femenino porque éste fue el género gramatical adoptado por sus autores originales.

30.1.4.5. Un nombre de nivel género que consiste o termina en una palabra latina cuya terminación se ha cambiado toma el género gramatical adecuado a la nueva terminación; si la terminación es tal que no indica un género gramatical concreto, el nombre debe tratarse como masculino.

Ejemplo.- *Dendrocygna* es femenino, aunque la segunda palabra del compuesto se forma a partir de *cygnus* (cisne), masculino.

30.2. Género gramatical de los nombres formados a partir de palabras que no son ni latinas ni griegas.

30.2.1. Si el nombre reproduce exactamente un sustantivo de una lengua europea moderna con géneros gramaticales (sin que se haya tenido que transcribir de un alfabeto no latino al latino) toma el género gramatical de ese sustantivo.

Ejemplo.- *Pfrille*, del sustantivo femenino alemán *Pfrille* (un pececillo) es femenino.

30.2.2. A menos que se aplique el artículo 30.2.1, un nombre que no se forme a partir de una palabra latina o griega toma el género gramatical expresamente especificado por su autor.

30.2.3. Si no se especificó género gramatical, el nombre toma el género gramatical indicado por su combinación con uno o más nombres de grupo especie de las especies nominales originalmente incluidas [Art. 67.2] que sean adjetivos.

30.2.4. Si no se especificó o indicó género gramatical alguno, el nombre se debe tratar como masculino, salvo que si el nombre termina en -a su género gramatical es femenino y si termina en -um, -on o -u, el género gramatical es neutro.

Ejemplos.- *Jackmahoneya* (a partir de Jack Mahoney) es masculino porque su autor lo especificó. *Oldfieldthomasia* (a partir de Oldfield Thomas) y *Dacelo* (anagrama de *Alcedo*) son femeninos, al tratarlos como tales sus autores. *Abudefduf* (del árabe), *Gekko* (del malayo) y *Milax* (anagrama de *Limax*) se tratan como masculinos porque sus autores no especificaron o indicaron género gramatical alguno. *Buchia* (a partir de von Buch), *Cummingella* (a partir de Cumming), *Zyzza* (combinación arbitraria de letras) y *Solubea* (anagrama) se tratan todos como femeninos, y el anagrama *Daption* es neutro.

Recomendación 30A. Género gramatical y etimología explícitos. Los autores deberían hacer constar explícitamente el género gramatical y la etimología de un nuevo nombre de nivel género al establecerlo.

Recomendación 30B. Género gramatical adecuado. Para que el género gramatical de un nuevo nombre de nivel género sea evidente por sí mismo, se aconseja a los autores que, al formar nuevos nombres basados en palabras que no sean latinas o griegas y hacer constar sus géneros gramaticales, elijan para ellos géneros gramaticales adecuados a sus terminaciones.



Para establecer con seguridad el género gramatical de los nombres de los géneros el conocimiento de su etimología es esencial.

Por desgracia la mayoría de los autores de los géneros de pulgones al establecerlos no expusieron la etimología y tampoco el género gramatical o lo hicieron sin prestar atención al mencionado artículo a su equivalente en ediciones anteriores del Código; esto ha dado lugar a más de una confusión, con las consiguientes fallas en la transferencia y utilización de la información.

Para estabilizar la situación nomenclatural se ha estudiado la etimología de cada nombre y se ha fijado el género gramatical consecuente con ella. El resultado se presenta a continuación; se han omitido los homónimos por obvia razón.

La etimología establecida por el autor al fijar el taxón se ha respetado, adaptando su forma de presentación.

De los 1220 hombre disponibles, se ha establecido con certeza la etimología y el género gramatical de 1184 y solamente el género gramatical de otros 13. Los restantes 23 son los nombres de géneros de áfidos que son homónimos de otros géneros de áfidos.

Los 13 nombres sin etimología aclarada son:

- I) *Antalus* Adams, *Mindarus* Koch, y *Symydobius* Mordvilko, con etimología desconocida;
- II) *Acanthulipes* Börner, *Akkaia* Takahashi, *Cranaphis* Takahashi, *Tinocallis* Matsuura y *Trama* von Heyden, con etimología incierta; y
- III) *Antonaphis* Kononova, *Belochilum* Börner, *Lidaja* Börner, *Mariaella* Szelegiewicz y *Uhlmania* Börner, con etimología incompleta, pues parece evidente que todos ellos son géneros dedicados a alguna persona, pero ignoramos quién pudiera ser.



Unos pocos nombres de géneros de pulgones están formados por una sola palabra, como por ejemplo *Aphis*, *Sipha*, *Forda* y *Wapuna*. *Aphis* es un neologismo latino científico debido a Linnaeus, que probablemente procede del griego *apheidés*, que significa ‘derrochador’, quizás por ser muy prolífico o muy tragón. *Sipha* es un palíndromo de *Aphis* y técnicamente según el Código una combinación de letras. *Forda* es una palabra latina que significa ‘preñada’. *Wapuna* es una palabra potawatomi que significa ‘amanecer’. En la lista se precisa el idioma de procedencia de la palabra si ello es posible.

Lo más frecuente, sin embargo, es que los nombres de los géneros de pulgones estén formados por dos o más constituyentes. Esos constituyentes pueden ser algunos de los siguientes:

1) Una palabra de uso común en el idioma respectivo, o su raíz si el origen es latino o griego clásico, como *acuti*, palabra latina que significa ‘agudo/a’ en *Acuticauda*, o como *tricho-*, palabra griega que significa ‘pelo’ (‘seta’ en adaptación entomológica), en *Trichophorus*. O también una parte de una palabra o raíz, por ejemplo *rhíz* parte de la palabra griega *rhíza*, que significa ‘raíz’ en *Rhizopterus*, o *ramu* parte de la palabra latina *ramus* que significa ‘ramo’ en *Ramatrichophorus*. Cuando corresponda la parte de una palabra que se elimina para construir el nombre se encierra entre paréntesis, en los dos ejemplos mencionados *rhíz(a)* y *ramu(s)*. En estos casos se precisa la lengua de origen del constituyente. Aunque son palabras de uso común en muchas ocasiones se utilizan en su moderna acepción entomológica o afidológica, como *cauda* o *siphon*, cuyo significado no se le escapa a ningún afidólogo.

2) El nombre de otro género de pulgones o raramente de otro insecto, que se utiliza como referencia. Nombres de pulgones como *Aphis* (o sus ligeras modificaciones) en 355 nombres, entre ellos varios de los ejemplos aquí usados, o como *Myzus* que aparece en 51 nombres. Nombres de otros insectos como *Avicenn(a)* [una especie de chinche] en *Avicennina*. En estos nombres no se hace referencia a la lengua de origen del constituyente, que siempre es latín (o neolatín nomenclatural zoológico si se prefiere) y en el caso de los pulgones tampoco se indica su adscripción taxonómica. En este grupo de nombres merece una mención especial el constituyente *-callis*, utilizado en muchos nombre de géneros como un sufijo que indica similitud con algún género de la subfamilia Calaphidinae, al modo como se utilizó por primera vez por

Passerini en 1860 en *Myzocallis*, utilizando un término griego utilizado cinco años antes por Koch en *Callipterus*.

3) El nombre de un taxón vegetal con el que está relacionado el género de pulgón, como: (*Artemisia*) *absinth(ium)* [una especie de plantas] en *Absinthaphis*, *Viburn(um)* [un género de plantas] como en *Viburnaphis*, *Umbellifer(ae)* [una familia de plantas] en *Umbelliferaria*. En estos nombres tampoco se hace referencia a la lengua de origen del constituyente, también neolatín.

4) El nombre de un período geológico, o un nombre geográfico en sentido amplio, incluyendo paleogeografía y geografía política actual y pasada, es decir nombre de constelaciones, continentes, mares, islas, regiones, países, estados, ríos, montañas, etc., completos o en parte, como por ejemplo: “Cretácico” [período geológico] en *Cretacallis* “Hyades” [nombre (en griego) para un grupo de estrellas] en *Hyadaphis*, “Gondwana” [paleocontinente] en *Gondvanoaphis*, “Asia” [continente] en *Asiataphis*, “Báltico” en *Baltichaitophorus* [mar], “Formosa” (Taiwán en portugués y español) [isla] en *Formosaphis*, “Pehuenche” [región natural, Argentina] en *Pehuenchaphis*, “Biamo” [río, Primorskyi kray, Rusia] en *Biamoaphis*, “Alatau” [cadena de montañas, Kazajistán] en *Alataumyzus*, “Chile” [país] en *Chileaphis*, Utah [estado, EE.UU.] en *Utamphorophora*, “Aix” [localidad, Francia]. El idioma del constituyente no se consigna para los nombres geográficos actuales salvo si es necesaria alguna aclaración. En todo caso se indica el tipo de accidente geográfico o de constituyente geo-político de que se trate, pese a que con frecuencia ese tipo sea bien conocido.

5) Un nombre mitológico como Hamadriades ninfas de los árboles en la mitología griega que habitan en los árboles, en *Hamadryaphis*.

6) El apellido o parte de él de alguna persona relevante para el autor del género: colegas, colectores, o benefactores, a veces acompañado por el nombre o parte de él, como “Semen Semenovich Abamalek-Lazarew”, príncipe, industrial y mecenas ruso, en *Abamalekia*, “Antonio Berlese”, entomólogo italiano en *Rhizoberlesia*, o “Clarence Preston Gillette”, afidólogo estadounidense, en *Cepigillettea*. Hemos procurado dar el nombre completo de la persona, aunque no siempre lo hemos conseguido. Entre corchetes se indica su “actividad profesional”, que si es “afidólogo” indica que esa persona ha contribuido al conocimiento de los pulgones, aunque esa parcela de su actividad no haya la única ejercida por él.

7) Sufijos latinos o griegos con un significado concreto y que se suelen presentar completos como -ella, sufijo latino que significa ‘pequeño/a’ en *Macrosiphoniella*, o bien -opsis, que en griego significa ‘aparición de’ en *Cavaraiellopsis*.

8) Sufijos latinos o griegos con la finalidad de dar una configuración adecuada a los nombres, como -a, -ida, -ia, -us, o -um, como en *Cerosipha*, *Pergandeida*, *Tamalia*, *Myzus* y *Macrosiphum*. En ellos por su obviedad no se especifica el idioma de procedencia.

9) Letras de enlace, emplazadas entre dos constituyentes del nombre del género y que sirven para mejorar la legibilidad del nombre resultante. Se presentan

siempre entre dos guiones, por ejemplo -a-, -t- en *Thelazacallis*, *Asiataphis* y las muy frecuentes -o- (vocal de unión propia del griego) e -i- (vocal de unión propia del latín) en *Taiwanomyzus* y *Macrosiphoniella*.



En el análisis etimológico se marca la cantidad de las vocales mediante una raya, así “ā” por ejemplo, quiere decir que se trata de una a larga mientras que la ausencia de raya, por ejemplo “a”, quiere decir que se trata de una vocal breve. La cantidad vocálica de la penúltima sílaba de una palabra es la que marca en latín la posición del acento en las palabras con tres o más sílabas: si la penúltima sílaba es larga el acento recae en esa sílaba, si es breve el acento recae en la sílaba anterior. Esa posición del acento marca la forma correcta de pronunciar las palabras latinas en las lenguas modernas.



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THE LIST / LA LISTA

<i>Abamalekia</i>	(Semen Semenovich) Abamalek(-Lazarew) [Russian Prince, industrialist and patron] + -ia	Feminine
<i>Absinthaphis</i>	(Artemisia) absinth(ium) [plant species name] + Aphis	Feminine
<i>Abstrusomyzus</i>	Latin abstrusus 'hidden' 'concealed' + Myzus	Masculine
<i>Abura</i>	Japanese abura(-mushi) 'aphid'	Feminine
<i>Acanthaphis</i>	Greek ákantha 'thorn' + Aphis	Feminine
<i>Acanthocallis</i>	Greek ákantha 'thorn' + -callis	Feminine
<i>Acanthotrichaphis</i>	Greek ákanth(a) 'thorn' + -o- + Greek trichion 'hair' + Aphis	Feminine
<i>Acanthotuberculatus</i>	Acantho(callis) + Tuberculatus	Masculine
<i>Acanthulipes</i>	Uncertain etymology: Greek akanthulli(s) 'goldfinch' + Latin pes 'foot'	Feminine
<i>Acaudella</i>	Acaud(us) + Latin -ella 'little'	Feminine
<i>Acaudinum</i>	Acaud(us) + Latin -inus 'in relation to'	Neuter
<i>Acaudus</i>	Greek a- 'without' + Latin caud(a) 'tail' + -us	Masculine
<i>Aconitaphis</i>	Aconit(um) [plant genus name] + Aphis	Feminine
<i>Acuticauda</i>	Latin acutu(s) 'sharp' + Latin cauda 'tail'	Feminine
<i>Acutosiphon</i>	Latin acut(us) 'sharp' + Greek siphon 'siphunculus'	Neuter
<i>Acyrtosiphon</i>	Greek a- 'not' + Greek kyrt(ós) 'cambered' + Greek siphon 'siphunculus'	Neuter
<i>Adactynus</i>	Greek a- 'not' + Dactyn(ot)us	Masculine
<i>Afghanaphis</i>	Afghan(istan) [country] + Aphis	Feminine
<i>Agrioaphis</i>	Latin agriu(s) 'wild' + Aphis	Feminine
<i>Aiceona</i>	Palindrome of Anoecia	Feminine
<i>Aixaphis</i>	Aix [locality, France] + Aphis	Feminine
<i>Akkaia</i>	Uncertain etymology: Japanese aka 'red' + -ia	Feminine
<i>Akkaiopsis</i>	Akkai(a) + Greek -opsis 'appearance'	Feminine
<i>Alataumyzus</i>	Alatau [mountains range, Kazakhstan] + Myzus	Masculine
<i>Aleurodaphis</i>	Aleurod(idae) [Hemipterous family name] + Aphis	Feminine
<i>Aleurosiphon</i>	Greek áleuron 'wheat flour' + Greek siphon 'siphunculus'	Neuter

<i>Alhambra</i>	Alhambra [arab fortress, Granada, Spain]	Feminine
<i>Allaphis</i>	Greek all(o) ‘other’ + Aphis	Feminine
<i>Allarctaphis</i>	Greek all(o) ‘other’ + Arctaphis	Feminine
<i>Alloambria</i>	Greek allo ‘other’ + French ambr(e) ‘amber’ + -ia	Feminine
<i>Allocotaphis</i>	Greek allokot(os) ‘of unusual nature’ + Aphis	Feminine
<i>Allothoracaphis</i>	Greek allo ‘other’ + Thoracaphis	Feminine
<i>Allotrichosiphum</i>	Greek allo ‘other’ + Trichosiphum	Neuter
<i>Aloephagus</i>	Aloe [plant genus name] + Greek phag(ein) ‘feed’ + -us	Masculine
<i>Alphitoaphis</i>	Greek álphito(n) ‘barley groats’ + Aphis’	Feminine
<i>Amalancon</i>	Greek amal(aktos) ‘that cannot be softened’ + Greek ankón ‘elbow’	Masculine
<i>Ambopemphigus</i>	Latin ambo ‘both’ + Pemphigus	Masculine
<i>Amegosiphon</i>	Greek a- ‘not’ + Greek meg(a) ‘great’ + -o- + Greek síphon ‘siphunculus’	Neuter
<i>Amelanchieria</i>	Amelanchier [plant genus name] + -ia	Feminine
<i>Americaphis</i>	America [continent] + Aphis	Feminine
<i>Ammiaphis</i>	Ammi [plant genus name] + Aphis	Feminine
<i>Amphicercidus</i>	Greek amphi ‘double’, kerk- ‘tail’ + -idus	Masculine
<i>Amphorinophora</i>	Greek and Latin amphor- ‘bottle’ ‘flask’ + Greek suffix -ino(s) + Greek phor- ‘carry’ + -a	Feminine
<i>Amphorophora</i>	Greek and Latin amphor- ‘bottle’ ‘flask’ + -o- + Greek phor- ‘carry’ + -a	Feminine
<i>Amphorosiphon</i>	Greek and Latin amphor- ‘bottle’ ‘flask’ + -o- + Greek síphon ‘siphunculus’	Neuter
<i>Ampullosiphon</i>	Latin ampull(a) ‘vessel for liquids’ + -o- + Greek síphon ‘siphunculus’	Neuter
<i>Amycla</i>	Greek a- ‘without’ + Greek mykla ‘fold on its neck’	Feminine
<i>Anacallis</i>	Anas [bird genus name] + -callis	Feminine
<i>Anacyrthosiphon</i>	Greek an- ‘not’ + Acyrthosiphon	Neuter
<i>Anameson</i>	Greek anameson ‘in the midst, in the heart of a country’	Neuter
<i>Anaulacorthum</i>	Greek an- ‘not’ + Aulacorthum	Neuter
<i>Anconatus</i>	Greek ankon ‘elbow’ + Latin suffix “-atus”	Masculine
<i>Andinaphis</i>	Spanish Andin(o) ‘Andean’ + Aphis	Feminine
<i>Andorracallis</i>	Andorra [country] + -callis	Feminine
<i>Aniferella</i>	Greek an- ‘not’ + (Cer)iferella	Feminine

<i>Anocaudus</i>	Latin ānu(s) ‘anus’ + Latin caud(a) ‘tail’ + -us	Masculine
<i>Anochetium</i>	Greek an ‘without’ + Greek okhet(ós) ‘channel’ + -ium	Neuter
<i>Anoecia</i>	Greek an ‘without’ + Greek oîk(os) ‘house’ + -ia	Feminine
<i>Anomalaphis</i>	Latin anomal(us) ‘anomalous’ + Aphis	Feminine
<i>Anomalosiphum</i>	Latin anomal(us) ‘anomalous’ + -o- + Greek síph(on) ‘siphunculus’ + -um	Neuter
<i>Antalus</i>	Unknown etymology	Masculine
<i>Anthemidaphis</i>	Anthemid(eae) [plant tribe name] + Aphis	Feminine
<i>Anthracosiphon</i>	Greek anthrako- ‘charcoal’ + Greek síphon ‘siphunculus’	Neuter
<i>Anthracosiphoniella</i>	Anthracosiphon + -i- + Latin -ella ‘little’	Feminine
<i>Antimacrosiphon</i>	Greek anti ‘instead of’ + Macrosiphon	Neuter
<i>Antismydobius</i>	Greek anti ‘instead of’ + Symydobius	Masculine
<i>Antonaphis</i>	Incomplete etymology: Anton [give name in several languages] + Aphis	Feminine
<i>Anuraphis</i>	Greek an- ‘without’ + Greek ourá ‘tail’ + Aphis	Feminine
<i>Anuriella</i>	Greek an- ‘without’ + Greek our(á) ‘tail’ + -i- + Latin -ella ‘little’	Feminine
<i>Anuromyzus</i>	Greek an- ‘without’ + Greek our(á) ‘tail’ + -o- + Myzus	Masculine
<i>Aorison</i>	Greek aóris(t)on ‘indefinite’	Neuter
<i>Apathaphis</i>	Greek apat(é) ‘deceit’ + Aphis	Feminine
<i>Aphantaphis</i>	Greek aphant- ‘invisible’ + Aphis	Feminine
<i>Aphidiella</i>	Aphi(s)-d- + -i- + Latin -ella ‘little’	Feminine
<i>Aphidinius</i>	Aphi(s)-d- + -i- + -nius	Masculine
<i>Aphidioides</i>	Aphi(s)-d- + -i- + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Aphidocallis</i>	Aphi(s)-d- + -o- + -callis	Feminine
<i>Aphidopsis</i>	Aphi(s)-d- + Greek opsís ‘aspect’	Feminine
<i>Aphidounguis</i>	Aphi(s)-d- + -o- + Latin unguis ‘nail’ ‘processus terminalis’	Masculine
<i>Aphidula</i>	Aphi(s)-d- + Latin -ula ‘little’	Feminine
<i>Aphidura</i>	Aphi(s)-d- + Greek (o)urá ‘tail’	Feminine
<i>Aphiduromyzus</i>	Aphidur(a) + -o- + Myzus	Masculine
<i>Aphioides</i>	Aphi(s) + Greek -o-(e)ides ‘with the aspect of’	Masculine

<i>Aphis</i>	Neologism in scientific Latin documented in Linnaeus, probably from Greek <i>apheidés</i> 'wasteful', for being very prolific or very greedy-guts.	Feminine
<i>Aphorodon</i>	Greek <i>a-</i> 'not' + <i>Phorodon</i>	Neuter
<i>Aphthargelia</i>	<i>Aph(is)</i> + <i>Thargelia</i>	Feminine
<i>Aplonervoides</i>	<i>Aploneur(a)</i> + Greek <i>-o-(e)ides</i> 'with the aspect of'	Feminine
<i>Aploneura</i>	Greek <i>(h)apló(s)</i> 'simple' + Greek <i>neur-</i> 'nerve' + <i>-a</i>	Feminine
<i>Appelia</i>	(Friedrich Carl Louis Otto) <i>Appel</i> [German botanist and agronomist] + <i>-ia</i>	Feminine
<i>Appendiseta</i>	Latin <i>append-</i> 'appended' + Latin <i>seta</i> 'bristle' 'seta'	Feminine
<i>Apulicallis</i>	<i>Apulia</i> [region of Italy] + <i>-callis</i>	Feminine
<i>Arakawana</i>	(Shigeri) <i>Arakawa</i> [Japanese collector] + <i>-n-</i> + <i>-a</i>	Feminine
<i>Archeoessigella</i>	Greek <i>arch(aios)</i> 'old' + <i>Eoessig(ia)</i> + Latin <i>-ella</i> 'little'	Feminine
<i>Archilachnus</i>	Greek <i>arkhi-</i> 'principal' 'first in order' + <i>Lachnus</i>	Masculine
<i>Arctaphis</i>	Greek <i>arkt(ós)</i> 'bear' + <i>Aphis</i>	Feminine
<i>Aresha</i>	<i>Aresh(skiy uezd)</i> [province of Elisavetpolskaya guberniya, territory in current Nagorno-Karabakh, Armenia]	Feminine
<i>Arimakia</i>	Japanese <i>arimaki</i> 'aphid' + <i>-a</i>	Feminine
<i>Aristaphis</i>	Greek <i>árist(os)</i> 'best' + <i>Aphis</i>	Feminine
<i>Artemisaphis</i>	<i>Artemis(ia)</i> [plant genus name] + <i>Aphis</i>	Feminine
<i>Asiataphis</i>	<i>Asia</i> [continent] + <i>-t-</i> + <i>Aphis</i>	Feminine
<i>Asiphon</i>	Greek <i>a-</i> 'without' + Greek <i>siphon</i> 'siphunculus'	Neuter
<i>Asiphonaphis</i>	Greek <i>a-</i> 'without' + Greek <i>siphon</i> 'siphunculus' + <i>Aphis</i>	Feminine
<i>Asiphonella</i>	Greek <i>a-</i> 'without' + Greek <i>siphon</i> 'siphunculus' + Latin <i>-ella</i> 'little'	Feminine
<i>Asiphum</i>	Greek <i>a-</i> 'without' + Greek <i>siph(on)</i> 'siphunculus' + <i>-um</i>	Neuter
<i>Aspidaphis</i>	Greek <i>aspid-</i> 'shield' + <i>Aphis</i>	Feminine
<i>Aspidaphium</i>	Greek <i>aspid-</i> 'shield' + <i>aphi(s)</i> + <i>-um</i>	Neuter
<i>Aspidophorodon</i>	Greek <i>aspido-</i> 'shield' + <i>Phorodon</i>	Neuter
<i>Astegopteryx</i>	Greek <i>a-</i> 'without' + Greek <i>stego-</i> 'roof' 'cover' + Greek <i>ptéryx</i> 'wing'	Feminine
<i>Asterobium</i>	<i>Aster</i> [plant genus name] + <i>-o-</i> + Greek <i>bí(os)</i> 'life' + <i>-um</i>	Neuter

<i>Atarsaphis</i>	Greek a- 'without' + tars(us) 'tarsus' + Aphis	Feminine
<i>Atarsos</i>	Greek a- 'without' + tars(us) 'tarsus' + os	Feminine
<i>Atheroides</i>	Greek ather- 'groats' + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Aulacophora</i>	Aulaco(rthum) + (Amphoro)phora	Feminine
<i>Aulacophoroides</i>	Aulacophor(a) + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Aulacorthum</i>	Greek aulako- 'furrow' + Greek orth(ós) 'straight' + -um	Neuter
<i>Avicennina</i>	Avicenn(a) [Hemipterous genus name] + Latin -ina 'in relation to'	Feminine
<i>Bacillaphis</i>	Latin bacill(um) 'small staff' + Aphis	Feminine
<i>Baizongia</i>	Italian baizongia [local name for the gall produced by this aphid]	Feminine
<i>Baizongiella</i>	Baizongia + Latin -ella 'small'	Feminine
<i>Balticaphis</i>	Baltic [sea] + Aphis	Feminine
<i>Baltichaitophorus</i>	Balti(c) [sea] + Chaitophorus	Masculine
<i>Balticomaraphis</i>	Latin Balticu(m) mar(e) 'Baltic sea' + Aphis	Feminine
<i>Balticorostrum</i>	Baltic [sea] + -o- + Latin rostrum 'beak' 'rostrum'	Neuter
<i>Belochilum</i>	Incomplete etymology: Beloch [German family name] + -il(l)um ilittle	Neuter
<i>Berberidaphis</i>	Berberis [plant genus name] + Aphis	Feminine
<i>Berendtaphis</i>	(Georg Carl) Berendt [German palaeontologist] + Aphis	Feminine
<i>Betacallis</i>	Greek beta 'Greek letter' 'second' + -callis	Feminine
<i>Betulaphis</i>	Betul(a) [plant genus name] + Aphis	Feminine
<i>Biamoaphis</i>	Biamo [river, Primorskyi kray, Russia] + Aphis	Feminine
<i>Bicaudella</i>	Latin bi- 'two' + Latin caud(a) 'tail' 'cauda' + Latin -ella 'little'	Feminine
<i>Bipersona</i>	Latin bi- 'two' + Latin persona 'mask'	Feminine
<i>Bituberculaphis</i>	Latin bi- 'two' + Latin tüber 'protuberance' + Aphis	Feminine
<i>Blanchardaphis</i>	(Everard E.) Blanchard [Argentinean aphidologist] + Aphis	Feminine
<i>Blanchardia</i>	(Everard E.) Blanchard [Argentinean aphidologist] + -ia	Feminine
<i>Boernerina</i>	(Carl) Börner [German aphidologist] + Latin -ina 'in relation to'	Feminine

<i>Boernerinella</i>	(Carl) Börner [German aphidologist] + Latin -ella 'little'	Feminine
<i>Boisduvalia</i>	(Jean Baptiste) Boisduval [French entomologist] + -ia	Feminine
<i>Bolshayanoecia</i>	Bolshay(a Jeta) [river, Krasnoyarskiy kray, Russia] + Anoecia	Feminine
<i>Boreamyzus</i>	Latin borea(lis) 'north' + Myzus	Masculine
<i>Bozhkoja</i>	(Mariya Pavlovna) Bozhko [Ukrainian aphidologist] + -ja	Feminine
<i>Brachycaudina</i>	Brachycaud(us) + Latin -ina 'in relation to'	Feminine
<i>Brachycaudus</i>	Greek brakhý(s) 'short' + Latin caud(a) 'tail' 'cauda' + -us	Masculine
<i>Brachycolus</i>	Greek brakhý(s) 'short' + Greek kol(on) 'limb' + -us	Masculine
<i>Brachycoryne</i>	Greek brakhý(s) 'short' + Greek korýne 'club' 'mace'	Feminine
<i>Brachycorynella</i>	Brachycoryne + Latin -ella 'little'	Feminine
<i>Brachymyzus</i>	Brachy(caudus) + Myzus	Masculine
<i>Brachysiphoniella</i>	Brachysiphum + Latin -ella 'little'	Feminine
<i>Brachysiphum</i>	Greek brakhý(s) 'short' + Greek siph(on) 'siphunculus' + -um	Neuter
<i>Brachyunguis</i>	Greek brakhý(s) 'short' + Latin unguis 'nail' 'processus terminalis'	Masculine
<i>Bradyaphis</i>	Greek bradýs 'slow' + Aphis	Feminine
<i>Braggia</i>	(Luther C.) Bragg [American aphidologist] + -ia	Feminine
<i>Brasilaphis</i>	Brasil [country] + Aphis	Feminine
<i>Brevicaudus</i>	Latin brevi(s) 'short' + Latin caud(a) 'tail' 'cauda' + -us	Masculine
<i>Brevicorynaphis</i>	Brevicoryne + Aphis	Feminine
<i>Brevicoryne</i>	Latin brevi(s) 'short' + Greek korýne 'club' 'mace'	Feminine
<i>Brevicorynella</i>	Brevicoryne + Latin -ella 'little'	Feminine
<i>Brevisiphonaphis</i>	Latin brevi(s) 'short' + Greek siphon 'siphunculus' + Aphis	Feminine
<i>Brevitrichosiphon</i>	Latin brevi(s) 'short' + Trichosiphum	Neuter
<i>Brysocrypta</i>	Medieval Latin burs(a) 'purse' + -o- + Greek krypté 'hidden'	Feminine
<i>Buchneria</i>	(Paul) Büchner [German aphidologist] + -ia	Feminine
<i>Bucktonia</i>	(George Bowdler) Buckton [English aphidologist] + -ia	Feminine

<i>Bursaphis</i>	Medieval Latin burs(a) 'purse' + Aphis	Feminine
<i>Burundiaphis</i>	Burundi [country] + Aphis	Feminine
<i>Byrsocrypta</i>	Medieval Latin burs(a) 'purse' + -o- + Greek krypté 'hidden'	Feminine
<i>Byrsocryptoides</i>	Byrsocrypta + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Cachryphora</i>	Greek kákhry(s) 'parched barley' + Greek phor(os) 'that it carries' + -a	Feminine
<i>Calaphis</i>	Cal(lipterus) + Aphis	Feminine
<i>Californicallis</i>	Californi(a) [state, USA] + -callis	Feminine
<i>Callaphis</i>	Call(ipterus) + Aphis	Feminine
<i>Callipterinella</i>	Callipter(us) + Latin -in(us) 'in relation to' + Latin -ella 'little'	Feminine
<i>Callipterinola</i>	Callipter(us) + Latin -in(us) 'in relation to' + Latin -ola 'little'	Feminine
<i>Callipteroides</i>	Callipter(us) + -o-(e)ides 'with the aspect of'	Masculine
<i>Callipterus</i>	Greek kalli 'beautiful' + Greek ptér(on) 'wing' + -us	Masculine
<i>Camelaphis</i>	Greek kámel(os) 'camel' + Aphis	Feminine
<i>Canadaphis</i>	Canada [country] + Aphis	Feminine
<i>Canaphis</i>	Can(ada) [country] + Aphis	Feminine
<i>Capitophoraphis</i>	Capitophor(us) + (Hyad)aphis	Feminine
<i>Capitophorinus</i>	Capitophor(us) + Latin -inus 'in relation to'	Masculine
<i>Capitophorus</i>	Latin capit(a) 'head' + -o- + Greek -phor(os) 'that it carries' + -us	Masculine
<i>Capitosiphon</i>	Latin capit(a) 'head' + -o- + Greek síphon 'siphunculus'	Neuter
<i>Capraphis</i>	Capr(a) [Mammalian genus name] + Aphis	Feminine
<i>Caricaphis</i>	Carex [plant genus name] + Aphis	Feminine
<i>Caricosipha</i>	Carex [plant genus name] + -o- + Sipha	Feminine
<i>Carolinaia</i>	(South) Carolina [state, USA] + -ia	Feminine
<i>Casimira</i>	(Max) Casimir [Australian entomologist] + -a	Feminine
<i>Castaneomyzocallis</i>	Castane(a) [plant genus name] + -o- + Myzocallis	Feminine
<i>Castanocallis</i>	Castane(a) [plant genus name] + -callis	Feminine
<i>Catamergus</i>	Greek katá 'downward' + Latin mergus 'diver', named for habit of feeding with head downward	Masculine
<i>Cataneura</i>	Greek katá 'downward' + Greek neur- 'nerve' + -a	Feminine
<i>Cavahyalopterus</i>	Cava(riella) + Hyalopterus	Masculine

<i>Cavariella</i>	Cavariell(a) + -ia	Feminine
<i>Cavariellopsis</i>	Cavariell(a) + -o- + Greek -opsis ‘appearance’	Feminine
<i>Cavariella</i>	(Fridiano) Cavara [Italian mycologist] + Latin -ella ‘little’	Feminine
<i>Cavariellinepicauda</i>	Cavariell(a) + -i- + Latin nep(a) ‘scorpion’ + -i- + Latin cauda ‘tail’	Feminine
<i>Cedoaphis</i>	Latin ced(ere) ‘to yield’ + -o- + Aphis	Feminine
<i>Cedrobium</i>	Cedr(us) [plant genus name] + bí(os) ‘life’ + -um	Neuter
<i>Cepigilletta</i>	C(larence) P(reston) Gillette [American aphidologist] + -a	Feminine
<i>Cerasomyzus</i>	(Prunus) cersas(us) [plant species name] + -o- + Myzus	Masculine
<i>Cerataphis</i>	Greek kerato- ‘horn’ + Aphis	Feminine
<i>Ceratocallis</i>	Greek kerato- ‘horn’ + -callis	Feminine
<i>Ceratoglyphina</i>	Cerat(aphis) + -o- + Glyphina	Feminine
<i>Ceratopemphigiella</i>	Ceratopemphig(us) + -i- + -ella ‘little’	Feminine
<i>Ceratopemphigus</i>	Greek kerato- ‘horn’ + Pemphigus	Masculine
<i>Ceratovacuna</i>	Cerat(aphis) + -o- + Vacuna	Feminine
<i>Cerciaphis</i>	Greek kérk(os) ‘tail’ + -i- + Aphis	Feminine
<i>Ceriferella</i>	Latin cēre(us) ‘candle’ ‘taper’ + Latin fer- ‘to carry’ + Latin -ella ‘little’	Feminine
<i>Cerosipha</i>	Italian cero ‘candle’ + Greek siph(ōn) ‘siphunculus’ + -a	Feminine
<i>Ceruraphis</i>	Greek kér(as) ‘horn’ + Greek (o)ur(á) ‘tail’ ‘cauda’ + Aphis	Feminine
<i>Cervaphis</i>	Cerv(us) [Mammalian genus name] + Aphis	Feminine
<i>Ceylonia</i>	Ceylon [Sri Lanka, country] + -i- + -a	Feminine
<i>Chaetogeioica</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Geioica	Feminine
<i>Chaetomyzus</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Myzus	Masculine
<i>Chaetophorella</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Greek -phor- ‘to carry’ + Latin -ella ‘little’	Feminine
<i>Chaetophoria</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Greek -phor- ‘to carry’ + -ia	Feminine
<i>Chaetosiphella</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Greek siph(ōn) ‘siphunculus’ + Latin -ella ‘little’	Feminine
<i>Chaetosiphon</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Greek siphōn ‘siphunculus’	Neuter
<i>Chaitaphis</i>	Greek khait(ē) ‘big hair’ ‘seta’ + Aphis	Feminine
<i>Chaitocallipterus</i>	Greek khait(ē) ‘big hair’ ‘seta’ + -o- + Callipterus	Masculine

<i>Chaitogenophorus</i>	Greek khait(ē) 'big hair' 'seta' + -o- + Latin gena 'cheek' 'cheek of insects' + Greek -phor(o) 'to carry' '+ -us	Feminine
<i>Chaitomyzus</i>	Greek khait(ē) 'big hair' 'seta' + -o- + Myzus	Masculine
<i>Chaitophoraphis</i>	Chaitophor(us) + Aphis	Feminine
<i>Chaitophorinella</i>	Chaitophorin(us) + Latin -ella 'little'	Feminine
<i>Chaitophorinus</i>	Chaitophor(us) + -Latin -īnus 'in relation to'	Masculine
<i>Chaitophoroides</i>	Chaitophor(us) + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Chaitophorus</i>	Greek khait(ē) 'big hair' 'seta' + -o- + Greek -phor(o) 'to carry' '+ -us	Masculine
<i>Chaitoregma</i>	Greek khait(ē) 'big hair' 'seta' + Oregma	Feminine
<i>Chakrabartiaphis</i>	(Samiran) Chakrabarti [Indian aphidologist] + Aphis	Feminine
<i>Chelymorpha</i>	Greek khély(s) 'tortoise' + morph(ē) 'form' + -a	Feminine
<i>Chileaphis</i>	Chile [country] + Aphis	Feminine
<i>Chitinosiphon</i>	French chitin(e) 'chitin' + -o- + Greek síphōn 'siphunculus'	Neuter
<i>Chomaphis</i>	Greek khōm(a) 'mound' + Aphis	Feminine
<i>Chondrillobium</i>	Chondrill(a) [plant genus name] + -o- + bí(os) 'life' + -um	Neuter
<i>Chosoniella</i>	Choson [Korean dynasty] + -i- + -ella 'little	Feminine
<i>Chromaphis</i>	Greek khrōm(a) 'colour' + Aphis	Feminine
<i>Chromocallis</i>	Greek khrōm(a) 'colour' + -o- + -callis	Feminine
<i>Chuansicallis</i>	Chuansi [western part of Sichuan, China] + -callis	Feminine
<i>Chucallis</i>	Chinese zhu 'bamboo' + -callis	Feminine
<i>Chusiphuncula</i>	Zhu (Hong-fu) [Chienese aphidologist] + Greek síphōn 'siphunculus' + Latin -cula 'little'	Feminine
<i>Cinara</i>	Latin cin(is) 'ash' + -ara	Feminine
<i>Cinarella</i>	Cinar(a) + Latin -ella 'little'	Feminine
<i>Cinarellia</i>	Cinar(a) + Latin -ell(a) 'little' + -ia	Feminine
<i>Cinaria</i>	Cinar(a) + -ia	Feminine
<i>Cinarina</i>	Cinar(a) + Latin -ina 'in relation to	Feminine
<i>Cinaropsis</i>	Cinar(a) + Greek ópsis 'appearance'	Feminine
<i>Cladobius</i>	Greek kládo(s) 'branch' + Greek bí(os) 'life' + -us	Masculine
<i>Clavigerus</i>	Latin clāv(a) 'staff' 'club' + -i- + Latin ger(ere) 'to carry' + -us	Masculine
<i>Clavisiphon</i>	Latin clāv(a) 'staff' 'club' + -i- + Greek síphōn 'siphunculus'	Masculine

<i>Clavosiphum</i>	Latin clāv(a) ‘staff’ ‘club’ + -o- + Greek síph(ōn) ‘siphunculus’ + -um	Neuter
<i>Clethrobius</i>	Greek klēthro(n) ‘alder’, genus of flowering plants + Greek bí(os) ‘life’ + -us	Masculine
<i>Clydesmithia</i>	Clyde (Fuhriman) Smith [American aphidologist] + -ia	Feminine
<i>Clypeoaphis</i>	Latin clypeu(s) ‘round shield’ ‘clypeus’ + Aphis	Feminine
<i>Codonopsimyzus</i>	Codonopsi(s) [plant genus name] + Myzus	Masculine
<i>Colopha</i>	Greek koloph(ōn) ‘top’ ‘finishing’ + -a	Feminine
<i>Colophella</i>	Coloph(a) + Latin -ella ‘little’	Feminine
<i>Colophina</i>	Coloph(a) + Latin -ina ‘in relation to’	Feminine
<i>Colorado</i>	Colorado [state, USA] + -a	Feminine
<i>Comaphis</i>	Latin com(a) ‘hair’ + Aphis	Feminine
<i>Conicaudus</i>	Latin cōnu(s) ‘cone’ ‘conical’ + Latin caud(a) ‘tail’ ‘cauda’ + -us	Masculine
<i>Corealachus</i>	Corea [country] + Lachus	Masculine
<i>Cornaphis</i>	Latin corn(ū) ‘horn’ + Aphis	Feminine
<i>Corylobium</i>	Coryl(us) [plant genus name] + -o- + Greek bí(os) ‘life’ + -um	Neuter
<i>Corynosiphon</i>	Greek korýn(ē) ‘club’ ‘mace’ + -o- + Greek síphōn ‘siphunculus’	Neuter
<i>Cotoneasteria</i>	Cotoneaster [plant genus name] + -ia	Feminine
<i>Cranaphis</i>	Uncertain etymology: Greek krán(os) ‘helmet’ + Aphis	Feminine
<i>Crataegaria</i>	Crataeg(us) [plant genus name] + Latin --āria ‘in relation to’	Feminine
<i>Cretacallis</i>	Creta(ceous) [geological period] + -callis	Feminine
<i>Cretamyzus</i>	Creta(ceous) [geological period] + Myzus	Masculine
<i>Cryptaphis</i>	Greek krypt(ós) ‘hidden’ + Aphis	Feminine
<i>Cryptomyzus</i>	Greek kryptós(s) ‘hidden’ + Myzus	Masculine
<i>Cryptosiphon</i>	Greek kryptós(s) ‘hidden’ + Greek síphōn ‘siphunculus’	Neuter
<i>Cryptosiphum</i>	Greek kryptós(s) ‘hidden’ + Greek síph(ōn) ‘siphunculus’ + -um	Neuter
<i>Crypturaphis</i>	Greek krypt(ós) ‘hidden’ + Greek (o)ur(á) ‘tail’ ‘cauda’ + Aphis	Feminine
<i>Ctenocallis</i>	Greek kteno- ‘comb’ + -callis	Feminine
<i>Ctenopteryx</i>	Greek kteno- ‘comb’ + ptéryx ‘wing’	Feminine
<i>Cuernavaca</i>	Cuernavaca [locality, Mexico]	Feminine

<i>Cupressobium</i>	Cupress(us) [plant genus name] + -o- + Greek bí(os) ‘life + -um	Neuter
<i>Cyrtomphorodon</i>	Cyrtom(ium) [plant genus name] + -o- + Phorodon	Neuter
<i>Cyrtomyzus</i>	Greek kyrtó(s) ‘hunchbacked’ ‘gibbous’ + Myzus	Masculine
<i>Dactynotus</i>	Greek daktý(lios) ‘ring’ + Greek not(on) ‘the back’ + -us	Masculine
<i>Dasia</i>	(Bashambar) Das [Indian aphidologist] + -ia	Feminine
<i>Dasyaphis</i>	Greek dasý(s) ‘hairy’ ‘shaggy’ + Aphis	Feminine
<i>Davatchiaphis</i>	(Abbas G.) Davatchi [Iranian aphidologist] + Aphis	Feminine
<i>Davidsonia</i>	(James) Davidson [British aphidologist] + -ia	Feminine
<i>Davisia</i>	(John June) Davis [American aphidologist] + -ia	Feminine
<i>Debilisiphon</i>	Latin dēbili(s) ‘weak’ + Greek siphōn ‘siphunculus’	Neuter
<i>Decorosiphon</i>	Latin decōru(m) ‘ornamented’ + Greek siphōn ‘siphunculus’	Neuter
<i>Defractosiphon</i>	Latin dēfractu(m) ‘broken to pieces’ + Greek siphōn ‘siphunculus’	Neuter
<i>Delphiniobium</i>	Delphini(um) [plant genus name] + -o- + Greek -bí(os) ‘liffe’ + -um	Neuter
<i>Dentatus</i>	Latin dentātus ‘with teeth’	Masculine
<i>Dermaphis</i>	Greek dérm(a) ‘skin’ + Aphis	Feminine
<i>Desiforda</i>	Greek dési(s) ‘tying in bundles’ + Forda	Feminine
<i>Diatomyzus</i>	Diato(maceus earth) [a siliceous sedimentary rock] + Myzus	Masculine
<i>Dichaitophorus</i>	Greek di- ‘two’ + Chaitophorus	Masculine
<i>Dielcysmura</i>	Greek dielkysm(ós) ‘pushing about’ + Greek (o) urá ‘tail’ ‘cauda’	Feminine
<i>Dilachnus</i>	Greek di- ‘two’ + Lachnus	Masculine
<i>Dimelaphis</i>	Greek dímel(os) ‘two-membered’ + Aphis	Feminine
<i>Dimeraphis</i>	Greek dimer(ēs) ‘with two parts’ + Aphis	Feminine
<i>Dinaphis</i>	Greek deinó(s) ‘dreadful’ + Aphis	Feminine
<i>Dinipponaphis</i>	Greek di- ‘two’ + Nipponaphis	Feminine
<i>Dinolachnus</i>	Greek deinó(s) ‘dreadful’ + Lachnus	Masculine
<i>Diphorodon</i>	Greek di- ‘two’ + Phorodon	Neuter
<i>Diphyllaphis</i>	Greek di- ‘two’ + Phyllaphis	Feminine
<i>Diprociphilus</i>	Greek di- ‘two’ + Prociphilus	Masculine
<i>Distylaphis</i>	Distyl(ium) [plant genus name] + Aphis	Feminine

<i>Ditrichosiphon</i>	Greek di- 'two' + Trichosiphon	Neuter
<i>Diuraphis</i>	Greek di- 'two' + (o)ur(á) 'tail' 'cauda' + -Aphis	Feminine
<i>Diverosiphum</i>	Latin diver(sus) 'contrary' + -o- + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Divium</i>	D V [acronym of Russian Dal'niy Vostok 'Far Eastern'] + -um	Neuter
<i>Dominicaphis</i>	Dominic(an Republic) [country] + Aphis	Feminine
<i>Dongbeiaphis</i>	Dongbei [Region, China] + Aphis	Feminine
<i>Doralida</i>	Doral(is) + -Greek eid(ās) 'similar to' + -a	Feminine
<i>Doralina</i>	Doral(is) + -īna 'in relation to'	Feminine
<i>Doralis</i>	Greek dór(y) 'spear' + Latin -ālis 'adjective termination'	Feminine
<i>Doraphis</i>	Greek dór(y) 'spear' + Aphis	Feminine
<i>Drepanaphis</i>	Drepan(osiphum) + Aphis	Feminine
<i>Drepaniella</i>	Drepan(osiphum) + -i- + Latin -ella 'little'	Feminine
<i>Drepanochaitophorus</i>	Drepano(siphum) + Chaitophorus	Masculine
<i>Drepanosiphon</i>	Greek drépano(n) 'scythe' + Greek síphon 'siphunculus'	Neuter
<i>Drepanosiphoniella</i>	Drepanosíphon + i- + Latin -ella 'little'	Feminine
<i>Drepanosiphum</i>	Greek drépano(n) 'scythe' + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Dryaphis</i>	Dry(obius) + Aphis	Feminine
<i>Dryobius</i>	Greek dryo- 'oak' + Greek bí(os) 'life' + -us	Masculine
<i>Dryomyzus</i>	Greek dryo- 'oak' + Myzus	Masculine
<i>Dryopeia</i>	Greek drýop(s) 'woodpecker' + -eia 'in relation to'	Feminine
<i>Durocapillata</i>	Latin duru- 'hard' + capill(us) 'hair' + suffix -āta 'with'	Feminine
<i>Dysaphis</i>	Greek dys- 'difficulty' 'anomaly' + Aphis	Feminine
<i>Dysaulacorthum</i>	Greek dys- 'difficulty' 'anomaly' + Aulacorthum	Neuter
<i>Eastopiella</i>	(Victor Frank) Eastop [British aphidologist] + -i- + Latin -ella 'little'	Feminine
<i>Echinaphis</i>	Greek ekhîn(os) 'hedgehog' 'sea urchin' + Aphis	Feminine
<i>Eichinaphis</i>	Greek ekhîn(os) 'hedgehog' 'sea urchin' + Aphis	Feminine
<i>Eichochoitophorus</i>	Greek eikó(s) 'likely' + Chaitophorus	Masculine
<i>Elatobium</i>	Greek elató(s) 'ductile' + Greek bí(os) 'life' + -um	Neuter
<i>Elbourzaphis</i>	Elbourz [mountains range, Iran] + Aphis	Feminine

<i>Electrocallis</i>	Greek ēlektro(n) ‘amber’ + -callis	Feminine
<i>Electrocornia</i>	Greek ēlektro(n) ‘amber’ + Latin corn (ū) ‘horn’ ‘antenna’ + -ia	Feminine
<i>Electromyzus</i>	Greek ēlektro(n) ‘amber’ + Myzus	Masculine
<i>Endeis</i>	Greek end(on) ‘within’ + Greek eis ‘into’	Feminine
<i>Eocallites</i>	Eo(cene) [geological period] + call(is) + Greek -itēs ‘fossil’	Masculine
<i>Eocylindrites</i>	Eo(cene) [geological period] + Greek kýlindr(os) ‘cylinder’ + -itēs ‘fossil’	Masculine
<i>Eoessigia</i>	E(dward) O(liver) Essig [American aphidologist] + -ia	Feminine
<i>Eokakimia</i>	Greek ēō(s) ‘dawn’ ‘early’ + Kakimia	Feminine
<i>Eomacrosiphon</i>	Greek ēō(s) ‘dawn’ ‘early’ + Macrosíphon	Neuter
<i>Eomakrosoura</i>	Eo(cene) [geological period] + Greek makros- ‘big’ + ourá ‘tail’ ‘cauda’	Feminine
<i>Eomyzus</i>	Greek ēō(s) ‘dawn’ ‘early’ + Myzus	Masculine
<i>Eonaphis</i>	Greek ēō(s) ‘dawn’ ‘early’ + -n- + Aphis	Feminine
<i>Eophloeomyzus</i>	Greek ēō(s) ‘dawn’ ‘early’ + Phloeomyzus	Masculine
<i>Eotinocallis</i>	Greek ēō(s) ‘dawn’ ‘early’ + Tinocallis	Feminine
<i>Eotrama</i>	Greek ēō(s) ‘dawn’ ‘early’ + Trama	Feminine
<i>Epameibaphis</i>	Greek epamoib(ós) ‘one upon another’ + Aphis	Feminine
<i>Ephedraphis</i>	Ephedr(a) [plant genus name] + Aphis	Feminine
<i>Epipemphigus</i>	Greek epí ‘upon’ + Pemphigus	Masculine
<i>Ericaphis</i>	Eric(a) [plant genus name] + Aphis	Feminine
<i>Ericobium</i>	Eric(aceae) [plant family name] + Greek bí(os) ‘life’ + -um	Neuter
<i>Ericolophium</i>	Eric(aceae) [plant family name] + -o- + Greek lophi(on) ‘small crest’ + -um	Neuter
<i>Eriosaphis</i>	Erio(somat-) [root of family names from Eriosoma] + Aphis	Feminine
<i>Eriosoma</i>	Greek ério(n) ‘wool’ + Greek sôma ‘body’	Neuter
<i>Eriosomaphis</i>	Eriosom(a) + Aphis	Feminine
<i>Essigella</i>	(Edward Oliver) Essig [American aphidologist] + -ella ‘little’	Feminine
<i>Euaulax</i>	Greek eû ‘well disposed’ + Greek aulax ‘furrow’	Masculine
<i>Eucallipterus</i>	Greek eû ‘true’ ‘normal’ + Callipterus	Masculine
<i>Eucarazzia</i>	Greek eû ‘true’ ‘normal’ + Carazzia [an aphid unavailable genus name: (Davide) Carazzi [Italian Zoologist] + -ia]	Feminine

<i>Euceraphis</i>	Greek eû ‘well disposed’ + ker(at) ‘horn’ ‘antenna’ + Aphis	Feminine
<i>Eulachnus</i>	Greek eû ‘true’ ‘normal’ + Lachnus	Masculine
<i>Eumacrosiphum</i>	Greek eû ‘true’ ‘normal’ + Macrosiphum	Neuter
<i>Eumyzus</i>	Greek eû ‘true’ ‘normal’ + Myzus	Masculine
<i>Eunectarosiphon</i>	Greek eû ‘true’ ‘normal’ + Nectarosiphon	Neuter
<i>Eurhopalosiphum</i>	Greek eû ‘true’ ‘normal’ + Rhopalosiphum	Neuter
<i>Eurytaphis</i>	Greek eury ‘large’ + -t- + Aphis	Feminine
<i>Euschizaphis</i>	Greek eû ‘true’ ‘normal’ + Schizaphis	Feminine
<i>Euthoracaphis</i>	Greek eû ‘true’ ‘normal’ + Thoracaphis	Feminine
<i>Eutrichosiphum</i>	Greek eû ‘true’ ‘normal’ + Trichosiphon	Neuter
<i>Evallocotaphis</i>	Greek eû- ‘true’ ‘normal’ + Allocotaphis	Feminine
<i>Expansaphis</i>	Latin expans(io) ‘expansion’ + Aphis	Feminine
<i>Fagiphagus</i>	Fagi [plant genus name, in genitive] + Greek phag- ‘to eat’ + -us	Feminine
<i>Ferganaphis</i>	Russian Fergan(a) [valley, province and locality, Uzbekistan] + Aphis	Feminine
<i>Ferusaphis</i>	Latin ferus ‘wild’ + Aphis	Feminine
<i>Fimbriaphis</i>	Latin fimbri(a) ‘fiber’ ‘thread’ + Aphis	Feminine
<i>Fitchiella</i>	(Asa) Fitch [American aphidologist] + -i- + Latin -ella ‘little’	Feminine
<i>Flabellomicrosiphum</i>	Latin flabell(um) ‘small fan’ + -o- + Microsiphum	Neuter
<i>Floraphis</i>	Latin flōr- ‘flower’ + Aphis	Feminine
<i>Foeniaphis</i>	Foeni(culum) [plant genus name] + Aphis	Feminine
<i>Forda</i>	Latin forda ‘pregnant’	Feminine
<i>Fordona</i>	Ford(a) + Italian augmentation suffix -ona	Feminine
<i>Formosaphis</i>	Portuguese Formos(a) ‘Taiwan’ [island] + Aphis	Feminine
<i>Fossilicallis</i>	Latin fossili(s) ‘fossil’ + -callis	Feminine
<i>Francoa</i>	Franco [Italian headmaster of Technical School, given name unknown] + a	Feminine
<i>Fullawaya</i>	(David Timons) Fullaway [American aphidologist] + -a	Feminine
<i>Fullawayella</i>	(David Timons) Fullaway [American aphidologist] + Latin -ella ‘little’	Feminine
<i>Furvaphis</i>	Latin furv(us) ‘dark’ ‘black’ + Aphis	Feminine
<i>Fushia</i>	Japanese fushi ‘galls’ + -a	Feminine
<i>Fushuncallites</i>	Chinese Fushun [locality, Liaoning, China] + call(is) genera + Greek -itēs ‘fossil’	Masculine

<i>Galiaphis</i>	Gali(um) [plant genus name] + Aphis	Feminine
<i>Galiobium</i>	Gali(um) [plant genus name] + -o- + bí(os) ‘life’ + -um	Neuter
<i>Gentnera</i>	(Louis G.) Gentner [American entomologist] + -a	Feminine
<i>Geoica</i>	Greek gé(a) ‘earth’ ‘soil’ + oík(os) ‘house’ ‘habitation’ + -a	Feminine
<i>Geoktapia</i>	Geok-Tap(a) [locality in Areshskiy uezed, province of Elisavetpolskaya guberniya, territory in current Nagorno-Karabakh, Armenia]	Feminine
<i>Geopemphigus</i>	Greek geo- ‘earth’ ‘soil’ + Pemphigus	Masculine
<i>Georgia</i>	Georgia [state, USA]	Feminine
<i>Georgiaphis</i>	Georgia [state, USA] + Aphis	Feminine
<i>Geranchon</i>	Latin ger(ere) ‘to carry’ + Greek ankōn ‘elbow’	Neuter
<i>Germaraphis</i>	(Ernst Friedrich) Germar [German entomologist and paleontologist] + Aphis	Feminine
<i>Gharesia</i>	Ghares(a) [glacier, Nagar state, Pakistan] + -ia	Feminine
<i>Glabromyzus</i>	Latin glabru(m) ‘smooth’ + Myzus	Feminine
<i>Glaesaricallis</i>	Latin glaesāri(a) ‘of amber’ + -callis	Feminine
<i>Glendenningia</i>	(Reginald) Glendenning [Canadian aphidologist] + -ia	Feminine
<i>Globulicaudaphis</i>	Latin globulu(s) ‘little ball’ + Latin caud(a) ‘tail’ ‘cauda’ + Aphis	Feminine
<i>Glyphina</i>	Greek glyph(ē) ‘carved work’ + Latin -īna ‘in relation to’	Feminine
<i>Glyphinaphis</i>	Glyphin(a) + Aphis	Feminine
<i>Gobaishia</i>	Old Japanese gobaishi ‘galls’ + -a	Feminine
<i>Goidanichiellum</i>	(Athos) Goidanich [Italian entomologist] + -i- + Latin -ellum ‘little’	Neuter
<i>Gondvanoaphis</i>	Gondwan(a) [paleocontinent] + -o- + Aphis	Feminine
<i>Goodea</i>	(George Brown) Goode [American zoologist] + -a	Feminine
<i>Gootiella</i>	(Pieter van der) Goot [Dutch aphidologist] + -i- + Latin -ella ‘little’	Feminine
<i>Greenidea</i>	(Edward Ernest) Green [British entomologist] + Greek -id(ēs) ‘member of a group’ + -a	Feminine
<i>Greenideoida</i>	Greenide(a) + Greek -o-(e)id(es) ‘with the aspect of’ + -a	Feminine
<i>Grimmenaphis</i>	Grimenn [locality, Germany] + Aphis	Feminine
<i>Grylloprociphilus</i>	Gryll(us) [Orthopterous genus name] + -o- + Prociphilus	Masculine

<i>Gypsoaphis</i>	Greek gýpso(s) ‘chalk’ + Aphis	Feminine
<i>Halajaphis</i>	(Roman) Halaj [Polish aphidologist] + Aphis	Feminine
<i>Hallaphis</i>	(Wilfred J.) Hall [British aphidologist] + Aphis	Feminine
<i>Halmodaphis</i>	Greek hálm(a) ‘leap’ ‘jump’ + -o- + -d- + Aphis	Feminine
<i>Hamadryaphis</i>	Greek Hamadry(ádes) [mythological beings that live in trees] + Aphis	Feminine
<i>Hamamelistes</i>	Hamamelis [plant genus name] + Greek -istēs ‘adherent to’	Masculine
<i>Hamiltonaphis</i>	(William Donald) Hamilton [British biologist] + Aphis	Feminine
<i>Hannabura</i>	Japanese Han-n(o-ki) ‘Japanese alder’ + Japanese abura(-mushi) ‘aphid’	Feminine
<i>Hayhurstia</i>	(Paul) Hayhurst [American aphidologist] + -ia	Feminine
<i>Helosiphon</i>	Greek hêlo(s) ‘stud’ ‘nail’ + Greek síphōn ‘siphunculus’	Neuter
<i>Hemiaphis</i>	Greek hēmi- ‘half’ + Aphis	Feminine
<i>Heminipponaphis</i>	Greek hēmi- ‘half’ + Nipponaphis	Feminine
<i>Hemipodaphis</i>	Greek hēmi- ‘half’ + Greek pod(o)- ‘foot’ ‘leg’ + Aphis	Feminine
<i>Hemitrama</i>	Greek hēmi- ‘half’ + Trama	Feminine
<i>Henningsenia</i>	(C. V.) Henningsen [Danish goldsmith] + -ia	Feminine
<i>Heterocallis</i>	Greek hetero- ‘another one’ + -callis	Feminine
<i>Heterogenaphis</i>	Latin heterogen(ēs) ‘of different kind’ + Aphis	Feminine
<i>Heteroneura</i>	Greek hetero- ‘different’ + Greek neur- ‘nerve’ + -a	Feminine
<i>Hiberaphis</i>	Latin Hibēr(a) ‘Iberian’ + Aphis	Feminine
<i>Hillerislambersia</i>	(Dick) Hille Ris Lambers [Dutch aphidologist] + -ia	Feminine
<i>Himalayaphis</i>	Himalay(a) [mountain range] + Aphis	Feminine
<i>Holcaphis</i>	Holc(us) [plant genus name] + Aphis	Feminine
<i>Holmania</i>	(Jaroslav) Holman [Czech aphidologist] + -ia	Feminine
<i>Holotrichosiphon</i>	Greek hólo(s) ‘whole’ ‘total’ + Trichosiphum	Neuter
<i>Holzneria</i>	(Georg) Holzner [German aphidologist] + -ia	Feminine
<i>Hongocallis</i>	Hong (You-chong) [Chienese paleoaphidologist] + -callis	Feminine
<i>Hoplocallis</i>	Greek hóplo(n) ‘armour’ + -callis	Feminine
<i>Hoplochaetaphis</i>	Greek hóplo(n) ‘armour’ + Greek khaít(ē) ‘flowing hair’ ‘crest’ + Aphis	Feminine
<i>Hoplochaitophorus</i>	Greek hóplo(n) ‘armour’ + Chaitophorus	Masculine

<i>Hoplothoracaphis</i>	Greek hóplo(n) ‘armour’ + Thoracaphis	Feminine
<i>Hormaphidula</i>	Hormaphi(s) + Latin -ula ‘little’	Feminine
<i>Hormaphis</i>	Greek horm(áō) ‘impulse’ ‘start’ + Aphis	Feminine
<i>Hottesina</i>	(Frederick Charles) Hottes [American aphidologist] + Latin -īna ‘in relation to’	Feminine
<i>Huaxiacallites</i>	Chinese Huáxià ‘China’ + call(is) + Greek -itēs ‘fossil’	Masculine
<i>Huaxiaphis</i>	Chinese Huáxi(à) ‘China’ + Aphis	Feminine
<i>Hyadaphis</i>	Greek Hyad(es) [name of a group of stars] + Aphis	Feminine
<i>Hyalomyzus</i>	Greek hyalo- ‘glassy’ ‘transparent’ + Myzus	Masculine
<i>Hyalopteroides</i>	Hyalopter(us) + Greek -o-(e)ides ‘with the aspect of’	Feminine
<i>Hyalopterus</i>	Greek hyalo- ‘glassy’ ‘transparent’ + Greek ptér(on) ‘wing’ + -us	Masculine
<i>Hydaphias</i>	Greek hyda(to)- ‘watery’ + Aphi(s) + -as	Feminine
<i>Hydrnaphis</i>	Greek hydro- ‘water’ + -n- + Aphis	Feminine
<i>Hyperomyzella</i>	Hyperomyz(us) + Latin -ella ‘little’	Feminine
<i>Hyperomyzus</i>	Greek hypér- ‘more than’ + -o- Myzus	Masculine
<i>Hysteroneura</i>	Greek hystero- ‘latter’ ‘behind’ + Greek neur- ‘nerve’ + -a	Feminine
<i>Idiopterus</i>	Greek idio- ‘particular’ ‘peculiar’ + Greek ptér(on) ‘wing’ + -us	Masculine
<i>Illinoia</i>	Illinoi(s) [state, USA] + -a	Feminine
<i>Impatientinum</i>	Impatien(s) [plant genus name] + -t- + Latin -īnum ‘in relation to’	Neuter
<i>Indiaphis</i>	Indi(a) [country] + Aphis	Feminine
<i>Indiochaitophorus</i>	Indo- ‘from India’ + Chaitophorus	Masculine
<i>Indocinara</i>	Indo- ‘from India’ + Cinara	Feminine
<i>Indoidiopterus</i>	Indo- ‘from India’ + Idiopterus	Masculine
<i>Indomasonaphis</i>	Indo- ‘from India’ + Masonaphis	Feminine
<i>Indomegoura</i>	Indo- ‘from India’ + Megoura	Feminine
<i>Indomyzus</i>	Indo- ‘from India’ + Myzus	Masculine
<i>Indonipponaphis</i>	Indo- ‘from India’ + Nipponaphis	Feminine
<i>Indoregma</i>	Ind(o)- ‘from India’ + Oregma	Feminine
<i>Indotetraneura</i>	Indo- ‘from India’ + Tetraneura	Feminine
<i>Indotuberoaphis</i>	Indo- ‘from India’ + Tuberoaphis	Feminine
<i>Indumasonaphis</i>	Indu(s) [river, India] + Masonaphis	Feminine

<i>Iowana</i>	Iowa [state, USA] + -na	Feminine
<i>Ipuka</i>	Umbundo [Angolan language] ipuka ‘insect’	Feminine
<i>Iranaphias</i>	Iran [country] + (Hyd)aphias	Feminine
<i>Israelaphis</i>	Israel [country] + Aphis	Feminine
<i>Iziphyia</i>	IZIPH [acronym for Institut prikladnoy Zoologii i Phitopathologii; scientific institute in Leningrad, currently St. Petersburg, Russia] + -ia	Feminine
<i>Jacksonia</i>	(Dorothy J.) Jackson [British entomologist] + -ia	Feminine
<i>Jaxartaphis</i>	Greek Laxárt(ēs) ‘Syr Darya’ [river, Kazakhstan] + Aphis	Feminine
<i>Judenkoa</i>	(Eugenjunsz) Judenko [Polish aphidologist] + -a	Feminine
<i>Juncobia</i>	Junc(us) [plant genus name] + -o- + Greek bí(os) ‘life’ + -a	Feminine
<i>Juncomyzus</i>	Junc(us) [plant genus name] + -o- + Myzus	Masculine
<i>Jurocallis</i>	Jur(assic) [geological period] + -o- + -callis	Feminine
<i>Kaburagia</i>	(Tokuji) Kaburagi [Japanese forestry scientist] + -a	Feminine
<i>Kakimia</i>	Miami-Illinois [Amerindian language] kakimia ‘mosquito’	Feminine
<i>Kallistaphis</i>	Greek kallíst(ē) ‘most beautiful’ + Aphis	Feminine
<i>Kaltenbachiella</i>	(Johan Heinrich) Kaltenbach [German aphidologist] + -i- + Latin -ella ‘little’	Feminine
<i>Kaochiaoja</i>	Kaochiao [Ryoichi (Takahashi), Japanese aphidologist, reading Kanji ideograms in Chinese] + -ja	Feminine
<i>Karamicrosiphum</i>	Greek kára ‘head’ + Microsiphum	Neuter
<i>Kessleria</i>	(H. F.) Kessler [German aphidologist] + -ia	Feminine
<i>Khotontaphis</i>	Mongolian Khotont [locality in Arhangay Aymag, Mongolia] + Aphis	Feminine
<i>Klimaszewska</i>	(Sędzimir Maciej) Klimaszewski [Polish entomologist] + -a	Feminine
<i>Krikoanoecia</i>	Greek kríko(s) ‘ring’ + Anoecia	Feminine
<i>Ktenopteryx</i>	Greek kteno- ‘comb’ and ptéryx ‘wing’ ‘winged creature’	Feminine
<i>Kugegania</i>	Kuguga [locality, Kenya] + -n- + -ia	Feminine
<i>Kurisakia</i>	(Masumi) Kurisaki [Japanese aphidologist] + -ia	Feminine
<i>Lachnaphis</i>	Lachn(us) + Aphis	Feminine
<i>Lachnarius</i>	Lachn(us) + Latin -ārius ‘in relation to’	Masculine
<i>Lachniella</i>	Lachnu(s) + Latin -ella ‘little’	Feminine

<i>Lachnochaitophorus</i>	Lachnu(s) + Chaitophorus	Masculine
<i>Lachnus</i>	Greek lákhn(os) ‘glutton’ + -us	Masculine
<i>Lactucobium</i>	Lactuc(a) [plant genus name] + Greek bí(os) ‘life’ + -um	Neuter
<i>Lacusaphis</i>	Latin lacus ‘lake’ + Aphis	Feminine
<i>Laingia</i>	(Frederick) Laing [British aphidologist] + -ia	Feminine
<i>Lambersaphis</i>	(Dick Hille Ris) Lambers [Dutch aphidologist] + Aphis	Feminine
<i>Lambersella</i>	(Dick Hille Ris) Lambers [Dutch aphidologist] + Latin -ella ‘little’	Feminine
<i>Lambersius</i>	(Dick Hille Ris) Lambers [Dutch aphidologist] + -ius	Masculine
<i>Landisaphis</i>	(Birely J.) Landis [American entomologist] + Aphis	Feminine
<i>Laricaria</i>	Laric- [Larix, plant genus name] + Latin -āria ‘in relation to’	Feminine
<i>Larssonaphis</i>	(Sven Gisle) Larsson [Danish zoologist] + Aphis	Feminine
<i>Larvaphis</i>	Latin larv(a) ‘phantom’ ‘larva’ + Aphis	Feminine
<i>Latgerina</i>	(Jean Paul) Latgé [French aphidologist] + Latin -īna ‘in relation to’	Feminine
<i>Lehrius</i>	(Pavel Andreevich) Lehr [Russian entomologist] + -i- +us	Masculine
<i>Lepidaphis</i>	Lepid(ium) [plant genus name] + Aphis	Feminine
<i>Leptocallites</i>	Greek lepto- ‘thin’ + call(is) + Greek -itēs ‘fossil’	Masculine
<i>Leptopteryx</i>	Greek lepto- ‘thin’ + Greek ptéryx ‘wing’ ‘winged creature’	Feminine
<i>Leucosiphon</i>	Greek leuko- ‘white’ + Greek síphōn ‘siphunculus’	Neuter
<i>Liaoaphis</i>	Liáo(níng) [province, China] + Aphis	Feminine
<i>Lidaja</i>	Incomplete etymology: Lida [family name or given name in several languages] + -ja	Feminine
<i>Linaphis</i>	Lin(um) [plant genus name] + Aphis	Feminine
<i>Lineomyzocallis</i>	Latin līne(āris) ‘lined’ + -o- + Myzocallis	Feminine
<i>Linosophon</i>	Greek líno(n) ‘flax’ + Greek síphōn ‘siphunculus’	Neuter
<i>Liosomaphis</i>	Greek leio- ‘smooth’ + Greek sōm(a) ‘body’ + Aphis	Feminine
<i>Lipamyzodes</i>	Lipa(phis) + Myzodes	Masculine
<i>Lipaphidiella</i>	Lipaphi(s) + -d- + -i- + Latin -ella ‘little’	Feminine

<i>Lipaphidoides</i>	Lipaphi(s) + -d- + Greek o-(e)ides ‘with the aspect of’	Masculine
<i>Lipaphis</i>	Greek líp(os) ‘fat’ ‘lard’ + Aphis	Feminine
<i>Liporrhinus</i>	Greek lípo(s) ‘fat’ ‘lard’ + Greek rhin(o)- ‘nose’ + -us	Masculine
<i>Lithaphis</i>	Greek líth(os) ‘stone’ ‘fossil’ + Aphis	Feminine
<i>Lithoaphis</i>	Greek lítho(s) ‘stone’ ‘fossil’ + Aphis	Feminine
<i>Lizerius</i>	(Carlos A.) Lizer (y Trelles) [Argentinean entomologist] + -ius	Masculine
<i>Lizerocallis</i>	(Carlos A.) Lizer (y Trelles) [Argentinean entomologist] + -o- + -callis	Feminine
<i>Loewia</i>	(Franz H.) Löw [German entomologist] + -ia	Feminine
<i>Longicaudinus</i>	Longicaud(us) + Latin -īnus ‘in relation to’	Masculine
<i>Longicaudus</i>	Latin longu(s) ‘long’ + Latin caud(a) ‘tail’ ‘cauda’ + -us	Masculine
<i>Longirostrina</i>	Longirostr(is) + Latin -īna ‘in relation to’	Feminine
<i>Longirostris</i>	Latin longu(s) ‘long’ + rostr(um) ‘beak’ ‘rostrum’ + -is	Masculine
<i>Longisiphoniella</i>	Latin longu(s) ‘long’ + Greek síphōn ‘siphunculus’ + -i- + Latin -ella ‘little’	Feminine
<i>Longistigma</i>	Latin longu(s) ‘long’ + Greek stigma ‘point’ ‘stigma’	Neuter
<i>Longitarsus</i>	Latin longu(s) ‘long’ + tarsus ‘ankle’ ‘tarsus’	Masculine
<i>Longiunguis</i>	Latin longu(s) ‘long’ + Latin unguis ‘nail’ ‘processus terminalis’	Masculine
<i>Loniceraphis</i>	Lonicer(a) [plant genus name] + Aphis	Feminine
<i>Loxerates</i>	Greek lox(ós) ‘oblique’ ‘slanting’ + Greek (k) erat(o)- ‘horn’ ‘antenna’ + -es	Feminine
<i>Lutaphis</i>	Latin lut(ea) ‘yellow’ + Aphis	Feminine
<i>Lyncuricallis</i>	Latin lyncūri(on) ‘hard, transparent gem’ + -callis	Feminine
<i>Macchiatiella</i>	(Luigi) Macchiati [Italian aphidologist] + Latin -ella ‘little’	Feminine
<i>Machilaphis</i>	Machil(us) [plant genus name] + Aphis	Feminine
<i>Macrhynchus</i>	Greek makro- ‘big’ + rhyñkh(os) ‘beak’ ‘rostrum’ + -us	Masculine
<i>Macrocaudus</i>	Greek makro- ‘big’ + Latin caud(a) ‘tail’ ‘cauda’ + -us	Masculine
<i>Macromyzella</i>	Macromyz(us) + Latin -ella ‘little’	Feminine
<i>Macromyzus</i>	Greek makro- ‘big’ + Myzus	Masculine

<i>Macropodaphis</i>	Greek makro- 'big' + Greek pod(o)- 'foot' 'leg' + Aphis	Feminine
<i>Macrorhinarium</i>	Greek makro- 'big' + post-classical Latin rhinarium 'rhinarium'	Neuter
<i>Macrosiphon</i>	Greek makro- 'big' + Greek síphōn 'siphunculus'	Neuter
<i>Macrosiphoniella</i>	Macrosíphōn + -i- + Latin -ella 'little'	Feminine
<i>Macrosiphum</i>	Greek makro- 'big' + Greek siph(ōn) 'siphunculus' + -um	Neuter
<i>Macrotrichaphis</i>	Greek makro- 'big' + trikh(o)- 'hair' 'seta' + Aphis	Feminine
<i>Maculodryaphis</i>	Latin macul(a)- 'spot' + -o- + Dryaphis	Feminine
<i>Maculolachnus</i>	Latin macul(a)- 'spot' + -o- + Lachnus	Masculine
<i>Malaphis</i>	Greek māl(on) 'apple' + Aphis	Feminine
<i>Mamontova</i>	(Vera Andreevna) Mamontova [Ukrainian aphidologist]	Feminine
<i>Mansakia</i>	Japanese Mansak(u) 'Japanese witch-hazel' + ia	Feminine
<i>Margituberculatus</i>	Latin margi(ni)- 'margin' + tūbercul(um) 'tubercle' + Latin -ātus 'with'	Masculine
<i>Mariaella</i>	Incomplete etymology: Maria [given name in several languages] + Latin -ella 'little'	Feminine
<i>Masonaphis</i>	(Preston W.) Mason [American aphidologist] + Aphis	Feminine
<i>Masraphis</i>	Arabic Masr 'Egypt' [country] + Aphis	Feminine
<i>Mastopoda</i>	Greek masto- 'nipple' + Greek pod(o)- 'foot' + -a	Feminine
<i>Matsumuraja</i>	(Shonen) Matsumura [Japanese aphidologist] + -ja	Feminine
<i>Mecinaria</i>	Latin me(dius) 'resembling' + Cinaria	Feminine
<i>Mediosiphum</i>	Latin mediu(s) 'moderate' + Greek siph(on) 'siphunculus' + -um	Neuter
<i>Medoralis</i>	Latin me(dius) 'resembling' + Doralis	Feminine
<i>Megalocallis</i>	Greek megalo- 'big' + -callis	Masculine
<i>Megalomytisites</i>	Greek megalo- 'big' + mýtis 'snout' + Greek -itēs 'fossil'	Masculine
<i>Megalosiphum</i>	Greek megalo- 'big' + síph(ōn) 'siphunculus' + -um	Neuter
<i>Megantennaphis</i>	Greek még(a) 'big' + Latin antenn(a) 'antenna' + Aphis	Feminine
<i>Megapodaphis</i>	Greek méga 'big' + Greek pod(o)- 'foot' 'leg' + Aphis	Feminine
<i>Megoura</i>	Greek még(a) 'big' + Greek ourá 'tail' 'cauda'	Feminine

<i>Megourella</i>	Megour(a) + Latin -ella 'little'	Feminine
<i>Megourina</i>	Megour(a) + Latin -īna 'in relation to'	Feminine
<i>Megouroparsus</i>	Megour(a) + -o- (Micro)parsus	Masculine
<i>Meguroleucon</i>	Greek még(a) 'big' + Uroleucon	Neuter
<i>Meitanaphis</i>	Meitan [county, Guinhou, China] + Aphis	Feminine
<i>Melanaphis</i>	Greek melano- 'black' + Aphis	Feminine
<i>Melanocallis</i>	Greek melano- 'black' + -callis	Feminine
<i>Melanosiphum</i>	Greek melano- 'black' + Greek siph(on) 'siphunculus' + -um	Neuter
<i>Melanoxanterium</i>	Melanoxant(hus) + Latin -erium 'in relation to'	Neuter
<i>Melanoxanthus</i>	Greek melano- 'black' + xanth(os) 'yellow' + -us	Masculine
<i>Melaphis</i>	Greek mēl(on) 'apple' + Aphis	Feminine
<i>Meliarhizophagus</i>	Greek melía 'ash' + rhizophag- 'feeding on roots' + -us	Masculine
<i>Mengeaphis</i>	(A.) Menge [German paleontologist] + Aphis	Feminine
<i>Meringosiphon</i>	Greek mēringo- 'bristle' + Greek síphōn 'siphunculus'	Neuter
<i>Mesocallis</i>	Greek méso(s) 'middle' + -callis	Feminine
<i>Mesothoracaphis</i>	Greek méso(s) 'middle' + Thoracaphis	Feminine
<i>Mesotrichosiphum</i>	Greek méso(s) 'middle' + Trichosiphum	Neuter
<i>Mesoviparosiphum</i>	Greek méso(s) 'middle' + Oviparosiphum	Neuter
<i>Metagreenidea</i>	Greek meta- 'after' + Greenidea	Feminine
<i>Metanipponaphis</i>	Greek meta- 'after' + Nipponaphis	Feminine
<i>Metaphis</i>	Greek met(a)- 'after' + Aphis	Feminine
<i>Metaphorodon</i>	Greek meta- 'after' + Phorodon	Neuter
<i>Metathoracaphis</i>	Greek meta- 'after' + Thoracaphis	Feminine
<i>Metatrichosiphon</i>	Greek meta- 'after' + Trichosíphon	Neuter
<i>Metobion</i>	Meto(polophium) + (Sito)bion	Neuter
<i>Metopeuraphis</i>	Metopeur(um) + Aphis	Feminine
<i>Metopeurum</i>	Greek metóp(ē) 'metope' 'interstice between two holes (eyes)' + Greek eurý(s) 'wide' + -m	Neuter
<i>Metopolophinum</i>	Metopoloph(ium) + Latin -īnum 'in relation to'	Neuter
<i>Metopolophium</i>	Greek metóp(ē) 'metope' 'interstice between two holes (eyes)' + Greek lóph(os) 'crest' + -ium	Neuter
<i>Mexicallis</i>	Mexi(co) [country] + -callis	Feminine
<i>Micraphis</i>	Greek mīkr(ós) 'small' + Aphis	Feminine
<i>Micrella</i>	Greek mīkr(ós) 'small' + Latin -ella 'little'	Feminine

<i>Microlophium</i>	Greek mīkró(s) 'small' + Greek lóph(os) 'crest' + -ium	Neuter
<i>Micromyzella</i>	Micromyz(us) + Latin -ella 'little'	Feminine
<i>Micromyzodium</i>	Micromyzu(s) + Greek -di(on) 'little' + -um	Neuter
<i>Micromyzus</i>	Greek mīkró(s) 'small' + Myzus	Masculine
<i>Microparsus</i>	Greek mīkró(s) 'small' + Latin pars- 'portion' + -us	Masculine
<i>Microsiphon</i>	Greek mīkró(s) 'small' + Greek síphon 'siphunculus'	Neuter
<i>Microsiphoniella</i>	Microsiphon + -i- + Latin -ella 'little'	Feminine
<i>Microsiphum</i>	Greek mīkró(s) 'small' + Greek siph(on) 'siphunculus' + -um	Neuter
<i>Microtarsus</i>	Greek mīkró(s) 'small' + Latin tarsus 'tarsus'	Masculine
<i>Microthoracaphis</i>	Greek mīkró(s) 'small' + Thoracaphis	Feminine
<i>Microunguis</i>	Greek mīkró(s) 'small' + Latin unguis 'nail' 'processus terminalis'	Masculine
<i>Mimaphidus</i>	Greek mīm(os) 'imitator' + Aphid + -us	Masculine
<i>Mimeuria</i>	(Jean Marie) Mimeur [French aphidologist] + -ia	Feminine
<i>Mimocallis</i>	Greek mīmo(s) 'imitator' + -callis	Feminine
<i>Mindarella</i>	Mindar(us) + Latin -ella 'little'	Feminine
<i>Mindarus</i>	Unknown etymology	Masculine
<i>Mindazerius</i>	Minda(rus) + (Li)zerius	Masculine
<i>Minuticornicus</i>	Latin minūtu(m) 'small' + Latin cornicu(lum) 'horn' 'siphunculus' + -s	Masculine
<i>Miraphis</i>	Latin mīr(us) 'wonderful' + Aphis	Feminine
<i>Miraphoides</i>	Miraph(is) + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Mirotarsus</i>	Latin mīru(s) 'wonderful' + Latin tarsus 'tarsus'	Masculine
<i>Misturaphis</i>	Latin mistūr(āta) 'mixed' + Aphis	Feminine
<i>Mollitrichosiphum</i>	Latin molli(s) 'soft' 'gentle' + Trichosiphum	Neuter
<i>Monaphis</i>	Greek món(os) 'alone' + Aphis	Feminine
<i>Monellia</i>	(Joseph) Monell [American aphidologist] + -ia	Feminine
<i>Monelliopsis</i>	Monelli(a) + Greek ópsis 'appearance'	Feminine
<i>Monzenia</i>	(Kota) Monzen [Japanese aphidologist] + -ia	Feminine
<i>Mordvilkoïella</i>	(Aleksandr Konstantinovich) Mordvilko [Russian aphidologist] + -i- + Latin -ella 'litte'	Feminine
<i>Mordvilkomemor</i>	(Aleksandr Konstantinovich) Mordvilko [Russian aphidologist] + Latin memor 'remembering'	Masculine
<i>Mordvilkoja</i>	(Aleksandr Konstantinovich) Mordvilko [Russian aphidologist] + -ja	Feminine

<i>Mucrotrichaphis</i>	Latin mucro ‘sharp point’ ‘edge’ + Greek trikh- ‘hair’ ‘seta’ + Aphis	Feminine
<i>Muscaphis</i>	Latin musc(us) ‘moss’ + Aphis	Feminine
<i>Mutillaphis</i>	Latin mutil(āta) ‘maimed’ ‘shortened’ + -l- + Aphis	Feminine
<i>Myzackaia</i>	Myz(us) + Akkaia	Feminine
<i>Myzaphis</i>	Myz(us) + Aphis	Feminine
<i>Myzella</i>	Myz(us) + Latin -ella ‘little’	Feminine
<i>Myzocallidium</i>	Myzocalli(s) + Greek -di(on) ‘little’ + -um	Neuter
<i>Myzocallis</i>	Greek myz(áō) ‘to suck’ + -callis	Feminine
<i>Myzodes</i>	Myz(us) + Greek -o-(ei)des ‘with the aspect of’	Masculine
<i>Myzodium</i>	Myzu(s) + Greek -di(on) ‘little’ + -um	Neuter
<i>Myzoides</i>	Myz(us) + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Myzopsis</i>	Myz(us) + Greek ópsis ‘appearance’	Feminine
<i>Myzosiphum</i>	Myzu(s) + Greek siph(on) ‘siphunculus’ + -um	Neuter
<i>Myzotoxoptera</i>	Myzu(s) + Toxoptera	Feminine
<i>Myzoxylon</i>	Greek myz(áō) ‘to suck’ + -o- + Greek xýlon ‘wood’	Neuter
<i>Myzoxylus</i>	Greek myz(áō) ‘to suck’ + -o- + Greek xýl(on) ‘wood’ + -us	Masculine
<i>Myzus</i>	Greek myz(áō) ‘to suck’ + -us	Masculine
<i>Namaforda</i>	Greek nāma ‘river’ ‘stream’ + Forda	Feminine
<i>Narziculovia</i>	(Muchamedkul Narzikulovich) Narzikulov [Tajik aphidologist] + -ia	Feminine
<i>Nasonovia</i>	(Nikolay Viktorovich) Nasonov [Russian zoologist] + -ia	Feminine
<i>Neanoecia</i>	Latin nē ‘no’ + Anoecia	Feminine
<i>Neanuraphis</i>	Latin nē ‘no’ + Anuraphis	Feminine
<i>Neaphis</i>	Latin nē ‘no’ + Aphis	Feminine
<i>Nearctaphis</i>	Nearctic [Zoogeographic region] + Aphis	Feminine
<i>Nectarophora</i>	Greek néktar ‘drink of gods’ ‘nectar’ + -o- + Greek phor- ‘to carry’ + -a	Feminine
<i>Nectarosiphon</i>	Greek néktar ‘drink of gods’ ‘nectar’ + -o- + Greek síphon ‘siphunculus’	Neuter
<i>Neoacaudus</i>	Greek neó(s) ‘new’ + Acaudus	Masculine
<i>Neoacyrthosiphon</i>	Greek neó(s) ‘new’ + Acyrthosiphon	Neuter
<i>Neoamphorophora</i>	Greek neó(s) ‘new’ + Amphorophora	Feminine
<i>Neoantalus</i>	Greek neó(s) ‘new’ + Antalus	Masculine

<i>Neobacillaphis</i>	Greek neó(s) 'new' + Bacillaphis	Feminine
<i>Neobetulaphis</i>	Greek neó(s) 'new' + Betulaphis	Feminine
<i>Neobrachycaudus</i>	Greek neó(s) 'new' + Brachycaudus	Masculine
<i>Neocallipterus</i>	Greek neó(s) 'new' + Callipterus	Masculine
<i>Neocallis</i>	Greek neó(s) 'new' + -callis	Feminine
<i>Neocavariella</i>	Greek neó(s) 'new' + Cavariella	Feminine
<i>Neoceratovacuna</i>	Greek neó(s) 'new' + Ceratovacuna	Feminine
<i>Neoceruraphis</i>	Greek neó(s) 'new' + Ceruraphis	Feminine
<i>Neochmosis</i>	Greek neókhmōsis 'innovation'	Masculine
<i>Neochromaphis</i>	Greek neó(s) 'new' + Chromaphis	Feminine
<i>Neocorylobium</i>	Greek neó(s) 'new' + Corylobium	Neuter
<i>Neocranaphis</i>	Greek neó(s) 'new' + Cranaphis	Feminine
<i>Neodecorosiphon</i>	Greek neó(s) 'new' + Decorosiphon	Neuter
<i>Neodryomyzus</i>	Greek neó(s) 'new' + Dryomyzus	Masculine
<i>NeodysapHis</i>	Greek neó(s) 'new' + Dysaphis	Feminine
<i>Neogreenidea</i>	Greek neó(s) 'new' + Greenidea	Feminine
<i>Neogreenideoida</i>	Greek neó(s) 'new' + Greenideoida	Feminine
<i>Neohayhurstia</i>	Greek neó(s) 'new' + Hayhurstia	Feminine
<i>Neohormaphis</i>	Greek neó(s) 'new' + Hormaphis	Feminine
<i>Neohyalomyzus</i>	Greek neó(s) 'new' + Hyalomyzus	Masculine
<i>Neopatentium</i>	Greek neó(s) 'new' + Patentium	Neuter
<i>Neokakimia</i>	Greek neó(s) 'new' + Kakimia	Feminine
<i>Neolachnaphis</i>	Greek neó(s) 'new' + Lachnaphis	Feminine
<i>Neolachnus</i>	Greek neó(s) 'new' + Lachnus	Masculine
<i>Neolizerius</i>	Greek neó(s) 'new' + Lizerius	Masculine
<i>Neomacrosiphum</i>	Greek neó(s) 'new' + Macrosiphum	Neuter
<i>Neomasonaphis</i>	Greek neó(s) 'new' + Masonaphis	Feminine
<i>Neomegoura</i>	Greek neó(s) 'new' + Megoura	Feminine
<i>Neomegouropsis</i>	Neomegour(a) + Greek ópsis 'appearance'	Feminine
<i>Neometopolophium</i>	Greek neó(s) 'new' + Metopolophium	Neuter
<i>Neomyzaphis</i>	Greek neó(s) 'new' + Myzaphis	Feminine
<i>Neomyzocallis</i>	Greek neó(s) 'new' + Myzocallis	Masculine
<i>Neomyzodes</i>	Greek neó(s) 'new' + Myzodes	Masculine
<i>Neomyzus</i>	Greek neó(s) 'new' + Myzus	Masculine
<i>Neonasonovia</i>	Greek neó(s) 'new' + Nasonovia	Feminine
<i>Neonippolachnus</i>	Greek neó(s) 'new' + Nippolachnus	Masculine

<i>Neonipponaphis</i>	Greek neó(s) 'new' + Nipponaphis	Feminine
<i>Neoparacletus</i>	Greek neó(s) 'new' + Paracletus	Masculine
<i>Neoparatrichosiphum</i>	Greek neó(s) 'new' + Paratrichosiphum	Neuter
<i>Neopemphigus</i>	Greek neó(s) 'new' + Pemphigus	Masculine
<i>Neophorodon</i>	Greek neó(s) 'new' + Phorodon	Neuter
<i>Neophyllaphis</i>	Greek neó(s) 'new' + Phyllaphis	Feminine
<i>Neoprociphilus</i>	Greek neó(s) 'new' + Prociphilus	Masculine
<i>Neopterocomma</i>	Greek neó(s) 'new' + Pterocomma	Neuter
<i>Neorhizobius</i>	Greek neó(s) 'new' + Rhizobius	Masculine
<i>Neorhopalomyzus</i>	Greek neó(s) 'new' + Rhopalomyzus	Masculine
<i>Neorhopalosiphoninus</i>	Greek neó(s) 'new' + Rhopalosiphoninus	Masculine
<i>Neosaltusaphis</i>	Greek neó(s) 'new' + Saltusaphis	Feminine
<i>Neosappaphis</i>	Greek neó(s) 'new' + Sappaphis	Feminine
<i>Neoschoutedenia</i>	Greek neó(s) 'new' + Schoutedenia	Feminine
<i>Neosensoriaphis</i>	Greek neó(s) 'new' + Sensoriaphis	Feminine
<i>Neostomaphis</i>	Greek neó(s) 'new' + Stomaphis	Feminine
<i>Neosymydobius</i>	Greek neó(s) 'new' + Symydobius	Masculine
<i>Neothelaxes</i>	Greek neó(s) 'new' + Thelaxes	Feminine
<i>Neotherioaphis</i>	Greek neó(s) 'new' + Therioaphis	Feminine
<i>Neothomasia</i>	Greek neó(s) 'new' + Thomasia	Feminine
<i>Neothoracaphis</i>	Greek neó(s) 'new' + Thoracaphis	Feminine
<i>Neotoxoptera</i>	Greek neó(s) 'new' + Toxoptera	Feminine
<i>Neotrama</i>	Greek neó(s) 'new' + Trama	Feminine
<i>Neotrichosiphon</i>	Greek neó(s) 'new' + Trichosiphon	Neuter
<i>Neotrichosiphum</i>	Greek neó(s) 'new' + Trichosiphum	Neuter
<i>Neotuberaphis</i>	Greek neó(s) 'new' + Tuberaphis	Feminine
<i>Netubusaphis</i>	Latin nē 'no' + Tubusaphis	Feminine
<i>Neuquenaphis</i>	Neuquen [province, Argentina] + Aphis	Feminine
<i>Nevadaphis</i>	Nevad(a) [state, USA] + Aphis	Feminine
<i>Nevaphis</i>	Nev(ada) [state, USA] + Aphis	Feminine
<i>Nevskya</i>	(Valerian Pavlovich) Nevsky [Russian-Uzbek aphidologist] + -a	Feminine
<i>Nevskyaphis</i>	(Valerian Pavlovich) Nevsky [Russian-Uzbek aphidologist] + Aphis	Feminine
<i>Nevskyella</i>	(Valerian Pavlovich) Nevsky [Russian-Uzbek aphidologist] + Latin -ella 'little'	Feminine

<i>Nietonafriella</i>	(Juan Manuel) Nieto Nafri(a) [Spanish aphidologist] + Latin -ella 'little'	Feminine
<i>Nigrosiphum</i>	Latin nigr(u)m 'black' + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Nippocallis</i>	Japanese Nippo(n-koku) 'Japan' [country] + -callis	Feminine
<i>Nippochaitophorus</i>	Japanese Nippo(n-koku) 'Japan' [country] + Chaitophorus	Masculine
<i>Nippodysaphis</i>	Japanese Nippo(n-koku) 'Japan' [country] + Dysaphis	Feminine
<i>Nippolachnus</i>	Japanese Nippo(n-koku) 'Japan' [country] + Lachnus	Masculine
<i>Nipponaphis</i>	Japanese Nippon(-koku) 'Japan' [country] + Aphis	Feminine
<i>Nipposiphum</i>	Japanese Nippo(n-koku) 'Japan' [country] + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Niprotuberculatus</i>	Japanese Nippo(n-koku) 'Japan' [country] + Tuberculatus	Masculine
<i>Nishiyana</i>	(Jun-ichirō) Nishiya [Japanese entomologist] + -na	Feminine
<i>Nordaphis</i>	Norse nord 'north' + Aphis	Feminine
<i>Nudisiphon</i>	Latin nudu(s) 'naked' 'uncovered' + Greek síphon 'siphunculus'	Neuter
<i>Nurudea</i>	Japanese Nurude 'Chinese sumac' + -a	Feminine
<i>Nurudeopsis</i>	Nurudea + Greek ópsis 'appearance'	Feminine
<i>Nuuraphis</i>	Mongolian nuur 'lake' + Aphis	Feminine
<i>Nymphaphis</i>	Greek nýmph(ē) 'young girl' 'nympha' + Aphis	Feminine
<i>Obtusicauda</i>	Latin obtusu(s) 'blunt' + Latin cauda 'tail' 'cauda'	Feminine
<i>Oedisiphum</i>	Greek oídé(ō) 'to be swollen' + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Oestlundia</i>	(Oscar William) Oestlund [American aphidologist] + -ia	Feminine
<i>Oestlundiella</i>	Oestlundi(a) + Latin -ella 'little'	Feminine
<i>Okajimaia</i>	(Ginji) Okajima [Japanese aphidologist] + -ia	Feminine
<i>Oligocallis</i>	Oligo(cene) [geological period] + -callis	Feminine
<i>Omeimegoura</i>	Omei(shan) [locality, Sichuan, China] + (Indo) megoura	Feminine
<i>Oniscomyzus</i>	Onisc(us) [Crustacean genus name] + Myzus	Masculine
<i>Oothecabius</i>	Greek ōo(n) 'egg' 'oval object' + Thecabius	Masculine
<i>Orbitaphis</i>	Latin orbit(a) 'orbit' + Aphis	Feminine

<i>Oregma</i>	Greek óregma ‘outstretching’ (orég(ein) ‘to stretch out’ ‘to protrude’ + -ma)	Feminine
<i>Orientinocallis</i>	Latin orien(tālis) ‘eastern’ + Tinocallis	Feminine
<i>Orientuberculoides</i>	Latin orien(tālis) ‘eastern’ + Tuberculoides	Masculine
<i>Orobion</i>	Greek óros ‘mountain’ + Greek bío(s) ‘life’ + -n	Neuter
<i>Oryctaphis</i>	Greek orykt(o)- ‘dug out’ + Aphis	Feminine
<i>Ossiannilssonia</i>	(Frej) Ossiannilsson [Swedish aphidologist] + -ia	Feminine
<i>Ovatoides</i>	Ovat(us) + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Ovatomyzus</i>	Ovatu(s) + Myzus	Masculine
<i>Ovatophorodon</i>	Ovatu(s) + Phorodon	Neuter
<i>Ovatus</i>	Latin ov(um) ‘egg’ + Latin -ātus ‘formed like’	Masculine
<i>Oviparosiphum</i>	Latin ovipar(us) ‘oviparous’ + Greek siph(on) ‘siphunculus’ + -um	Neuter
<i>Pachypappa</i>	Greek pakhy- ‘thick’ + Greek páppa(s) ‘father’ ‘dad’	Feminine
<i>Pachypappella</i>	Pachypappa + Latin -ella ‘little’	Masculine
<i>Pacificallis</i>	Pacific [ocean] + -callis	Feminine
<i>Paczoskia</i>	(Iosif Konradovich) Paczoski(y) [Ukrainian-Polish entomologist] + -a	Feminine
<i>Paducia</i>	Illinois-Miami [Amerindian language] patoohk(a) ‘comanche’ ‘slave’ + -ia	Feminine
<i>Palaeoforda</i>	Greek palaio(s) ‘ancient’ + Forda	Feminine
<i>Palaeogreenidea</i>	Greek palaio(s) ‘ancient’ + Greenidea	Feminine
<i>Palaeophyllaphis</i>	Greek palaio(s) ‘ancient’ + Phyllaphis	Feminine
<i>Palaeosiphon</i>	Greek palaio(s) ‘ancient’ + Greek siphon ‘siphunculus’	Neuter
<i>Palaeothelaxes</i>	Greek palaio(s) ‘ancient’ + Thelaxes	Feminine
<i>Panaphis</i>	Greek pán ‘all’ + Aphis	Feminine
<i>Panimerus</i>	Greek panimer(os) ‘all lovely’ + -us	Masculine
<i>Paoliella</i>	(Guido) Paoli [Italian entomologist] + Latin -ella ‘little’	Feminine
<i>Papillaphis</i>	Latin papill(a) ‘nipple’ ‘papilla’ + Aphis	Feminine
<i>Papillomyzus</i>	Latin papill(a) ‘nipple’ ‘papilla’ + -o- + Myzus	Masculine
<i>Papulaphis</i>	Latin papul(a) ‘pustule’ ‘pimple’ + Aphis	Feminine
<i>Parabrachyunguis</i>	Greek pará ‘beside’ + Brachyunguis	Masculine
<i>Paracallipterus</i>	Greek pará ‘beside’ + Callipterus	Masculine
<i>Paracerataphis</i>	Greek pará ‘beside’ + Cerataphis	Feminine
<i>Parachaitophorus</i>	Greek pará ‘beside’ + Chaitophorus	Masculine

<i>Paracletus</i>	Greek paraklēt(os) ‘assistant’ ‘intercessor’ + -us	Masculine
<i>Paracolopha</i>	Greek pará ‘beside’ + Colopha	Neuter
<i>Paradoxaphis</i>	Greek parádox(os) ‘incredible’ + Aphis	Feminine
<i>Paragreenidea</i>	Greek pará ‘beside’ + Greenidea	Feminine
<i>Paragreenideoida</i>	Greek pará ‘beside’ + Paragreenideoida	Feminine
<i>Paralizerius</i>	Greek pará ‘beside’ + Lizerius	Masculine
<i>Paramyzocallis</i>	Greek pará ‘beside’ + Myzocallis	Feminine
<i>Paramyzus</i>	Greek pará ‘beside’ + Myzus	Masculine
<i>Paraneomyzus</i>	Greek pará ‘beside’ + Neomyzus	Masculine
<i>Paranipponaphis</i>	Greek pará ‘beside’ + Nipponaphis	Feminine
<i>Paranoecia</i>	Greek pará ‘beside’ + Anoecia	Feminine
<i>Paraoregma</i>	Greek pará ‘beside’ + Oregma	Feminine
<i>Paraphorodon</i>	Greek pará ‘beside’ + Phorodon	Neuter
<i>Paraprociophilus</i>	Greek pará ‘beside’ + Prociophilus	Masculine
<i>Paraschizaphis</i>	Greek pará ‘beside’ + Schizaphis	Feminine
<i>Parastomaphis</i>	Greek pará ‘beside’ + Stomaphis	Feminine
<i>Parathecabius</i>	Greek pará ‘beside’ + Thecabius	Masculine
<i>Parathoracaphis</i>	Greek pará ‘beside’ + Thoracaphis	Feminine
<i>Parathoracaphisella</i>	Parathoracaphis + Latin -ella ‘little’	Feminine
<i>Paratinocallis</i>	Greek pará ‘beside’ + Tinocallis	Feminine
<i>Paratoxoptera</i>	Greek pará ‘beside’ + Toxoptera	Feminine
<i>Paratrichosiphum</i>	Greek pará ‘beside’ + Trichosiphum	Neuter
<i>Paroviparosiphum</i>	Greek pará ‘beside’ + Oviparosiphum	Neuter
<i>Parvaverrucosa</i>	Latin parva ‘small’ + verrucōsa ‘warty’	Feminine
<i>Pasekia</i>	(Vladislav) Pašek [Czech aphidologist] + -ia	Feminine
<i>Passerinia</i>	(Giovanni) Passerini [Italian aphidologist] + -a	Feminine
<i>Patchia</i>	(Edith Marion) Patch [American aphidologist] + -ia	Feminine
<i>Patchiella</i>	(Edith Marion) Patch [American aphidologist] + -i- + Latin -ella ‘little’	Feminine
<i>Paulianaphis</i>	(Renaud) Paulian [French aphidologist] + Aphis	Feminine
<i>Pehuenchaphis</i>	Pehuench(e) [natural region, Argentina] + Aphis	Feminine
<i>Peltaphis</i>	Greek pélt(ē) ‘small light shield’ + Aphis	Feminine
<i>Pemphigella</i>	Pemphig(us) + Latin -ella ‘little’	Feminine
<i>Pemphigetum</i>	Pemphig(us) + Latin -ētum ‘formed like’	Neuter
<i>Pemphiginus</i>	Pemphig(us) + Latin -īnus ‘in relation to’	Masculine
<i>Pemphiglachnus</i>	Pemphi(gus) + Lachnus	Masculine

<i>Pemphigus</i>	Greek pemphig(o)- ‘blister’, ampoule’ + -us	Masculine
<i>Penaphis</i>	Latin pēn(e) ‘nearly’ + Aphis	Feminine
<i>Pentacercatinaphis</i>	Greek penta- ‘five’ + kerat(o)- ‘horn’ ‘antenna’ + -in- + Aphis	Feminine
<i>Pentalonia</i>	Greek pént(e) ‘five’ + Greek (h)alōn ‘Grain of flour’ + -ia	Feminine
<i>Pentamyzus</i>	Greek penta- ‘five’ + Myzus	Masculine
<i>Pentaphis</i>	Greek pent- ‘five’ + Aphis	Feminine
<i>Pentatrichopus</i>	Greek penta- ‘five’ + Greek trikho(s) ‘hair’ ‘seta’ + Greek poús ‘foot’	Masculine
<i>Pentatrichosiphum</i>	Greek penta- ‘five’ + (Eu)trichosiph(on) + -um	Neuter
<i>Pergandeida</i>	(Theodore) Pergande [American entomologist] + -ida	Feminine
<i>Perillaphis</i>	Perill(a) [plant genus name] + Aphis	Feminine
<i>Periphyllus</i>	Greek peri ‘around of’ + Greek phyll(o)- ‘leaf’ + -us	Masculine
<i>Petiolaphioides</i>	Petiolaphis + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Petiolaphis</i>	Latin petiol(us) ‘stem’ + Aphis	Feminine
<i>Phalangomyzus</i>	Greek phalango- ‘trunk’ ‘roller’ + Myzus	Masculine
<i>Phillophorus</i>	Greek phyllo- ‘leaf’ + greek phor- ‘to carry’ + -us	Masculine
<i>Phloeomyzus</i>	German phloë(m) ‘phloem’ + -o- + Greek myz(ἄδ) ‘to suck’ + -us	Masculine
<i>Phlomimyzus</i>	Phlomi(s) [plant genus name] + Myzus	Masculine
<i>Phorodon</i>	Greek phor- ‘to carry’ + Greek odon(t)- ‘tooth’ ‘prong’ ‘horn’	Neuter
<i>Phyllaphis</i>	Greek phyllo- ‘leaf’ + Aphis	Feminine
<i>Phyllaphoides</i>	Phyllaphi(s) + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Phyllophora</i>	Greek phyllo- ‘leaf’ + Greek phor- ‘to carry’ + -a	Feminine
<i>Phymatosiphum</i>	Greek phymato- ‘tumor’ ‘tubercle’ + Greek síph(on) ‘siphunculus’ + -um	Neuter
<i>Piceaphis</i>	Picea [plant genus name] + Aphis	Feminine
<i>Picturaphis</i>	Latin pictūrā(ta) ‘painted’ + Aphis	Feminine
<i>Pilobtusaphis</i>	Latin pil(us) ‘hair’ + Latin obtūs(us) ‘dull’ ‘weak’ + Aphis	Feminine
<i>Pilorostris</i>	Latin pīlu(m) ‘pounder’ ‘pestle’ + Latin rostr(um) ‘beak’ ‘rostrum’ + -is	Masculine
<i>Piraphis</i>	Pyr(us) [plant genus name] + Aphis	Feminine
<i>Pityaria</i>	Greek pitú(s) ‘pine’ + Latin -āria ‘in relation to’	Feminine

<i>Placoaphis</i>	Greek plako- 'plate' + Aphis	Feminine
<i>Platyaphis</i>	Greek platy- 'large' 'broad' + Aphis	Feminine
<i>Pleotrichophorus</i>	Greek pléō(n) 'full' 'filled' + Greek trikho- 'hair' 'seta' + Greek phor- 'to carry' + -us	Masculine
<i>Plioaphis</i>	Plio(cene) [geological period] + Aphis	Feminine
<i>Plocamaphis</i>	Greek plókam(os) 'lock of hair' + Aphis	Feminine
<i>Polychaitocallis</i>	Greek poly- 'many' + Greek khaítē 'bristle' 'seta' + -callis	Feminine
<i>Polygonaphis</i>	Polygon(um) [plant genus name] + Aphis	Feminine
<i>Polytrichaphis</i>	Greek poly- 'many' + Greek trikh(o)- 'hair' 'seta' + Aphis	Feminine
<i>Pomaphis</i>	Latin pōm(um) 'fruit' + Aphis	Feminine
<i>Precinara</i>	Latin prae 'earlier' + Cinara	Feminine
<i>Primoriaphis</i>	Latin p̄rīmōri(s) 'the first' + Aphis	Feminine
<i>Procalaphis</i>	Latin pro 'before of' + Calaphis	Feminine
<i>Prociphilus</i>	Greek prōki 'dewdrop' + Greek phil(os) 'friend of' + -us	Masculine
<i>Promicrella</i>	Latin pro 'before of' + Micrella	Feminine
<i>Protacaudinum</i>	Greek prōt(o)- 'first' + Acaudinum	Neuter
<i>Protaphis</i>	Greek prōt(o)- 'first' + Aphis	Feminine
<i>Protohormaphis</i>	Greek prōto- 'first' + Hormaphis	Feminine
<i>Protolachnus</i>	Greek prōto- 'first' + Lachnus	Masculine
<i>Protopterocallis</i>	Greek prōto- 'first' + Pterocallis	Feminine
<i>Protrama</i>	Latin pro 'before of' + Trama	Feminine
<i>Prunaphis</i>	Prun(us) [plant genus name] + Aphis	Feminine
<i>Prunomyzus</i>	Prunu(s) [plant genus name] + Myzus	Masculine
<i>Pseudacaudella</i>	Greek pseud(o)- 'untrue' + Acaudella	Feminine
<i>Pseudambria</i>	Greek pseud(o)- 'untrue' + (Allo)ambria	Feminine
<i>Pseudamphorophora</i>	Greek pseud(o)- 'untrue' + Amphorophora	Feminine
<i>Pseudaphis</i>	Greek pseud(o)- 'untrue' + Aphis	Feminine
<i>Pseudasiphonaphis</i>	Greek pseud(o)- 'untrue' + Asiphonaphis	Feminine
<i>Pseudessigella</i>	Greek pseud(o)- 'untrue' + Essigella	Feminine
<i>Pseudoacyrthosiphon</i>	Greek pseudo- 'untrue' + Acyrthosiphon	Neuter
<i>Pseudoastegopteryx</i>	Greek pseudo- 'untrue' + Astegopteryx	Feminine
<i>Pseudobrevicoryne</i>	Greek pseudo- 'untrue' + Brevicoryne	Feminine
<i>Pseudocercidis</i>	Greek pseudo- 'untrue' + kerkid- 'shuttle' 'rod' + -is	Masculine

<i>Pseudocerosipha</i>	Greek pseudo- 'untrue' + Cerosipha	Feminine
<i>Pseudochromaphis</i>	Greek pseudo- 'untrue' + Chromaphis	Feminine
<i>Pseudoepameibaphis</i>	Greek pseudo- 'untrue' + Epameibaphis	Feminine
<i>Pseudolachnus</i>	Greek pseudo- 'untrue' + Lachnus	Masculine
<i>Pseudomegoura</i>	Greek pseudo- 'untrue' + Megoura	Feminine
<i>Pseudomicrella</i>	Greek pseudo- 'untrue' + Micrella	Feminine
<i>Pseudonipponaphis</i>	Greek pseudo- 'untrue' + Nipponaphis	Feminine
<i>Pseudoprotaphis</i>	Greek pseudo- 'untrue' + Protaphis	Feminine
<i>Pseudopterocomma</i>	Greek pseudo- 'untrue' + Pterocomma	Neuter
<i>Pseudoregma</i>	Greek pseudo- 'untrue' + Oregma	Feminine
<i>Pseudorhopalosiphoninus</i>	Greek pseudo- 'untrue' + Rhopalosiphoninus	Masculine
<i>Pseudothoracaphis</i>	Greek pseudo- 'untrue' + Thoracaphis	Feminine
<i>Pseudotinocallis</i>	Greek pseudo- 'untrue' + Tinocallis	Feminine
<i>Pterasthenia</i>	Greek ptéro(n) 'wing' + Greek asthen(és) 'weak' + -ia	Feminine
<i>Pteriaphis</i>	Greek ptéro(n) 'wing' + -i- + Aphis	Feminine
<i>Pterocallidium</i>	Pterocall(is) + Greek -idi(on) 'little' + -um	Neuter
<i>Pterocallis</i>	Greek ptéro(n) 'wing' + -callis	Feminine
<i>Pterochloroides</i>	Pterochlor(us) + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Pterochlorus</i>	Greek ptéro(n) 'wing' + Greek khlōr(ós) 'pale green' + -us	Masculine
<i>Pterocomma</i>	Greek ptéro(n) 'wing' + Greek kómma 'that which is cut off, 'piece'	Neuter
<i>Pterostigma</i>	Greek ptéro(n) 'wing' + Greek stígma 'point' 'stigma'	Neuter
<i>Ptychodes</i>	Greek ptychōdes 'striated' 'in layers'	Masculine
<i>Pulvius</i>	Latin pulvi(s) 'powder' + -us	Masculine
<i>Pyraphis</i>	Pyr(us) [plant genus name] + Aphis	Feminine
<i>Pyrethromyzus</i>	Pyrethru(s) [plant genus name] + Myzus	Masculine
<i>Pyrolachnus</i>	Pyr(us) [plant genus name] + -o- + Lachnus	Masculine
<i>Quadrartus</i>	Latin quādr(ātus) 'squared' + Latin artus 'joints'	Masculine
<i>Quednaucallis</i>	(Franz Wolfgang) Quednau [Canadian aphidologist] + -callis	Feminine
<i>Quernaphis</i>	Latin quern(us) 'oaken' + Aphis	Feminine
<i>Quippelachnus</i>	Latin quippe 'surely' + Lachnus	Masculine

<i>Quisqueyaaphis</i>	Taino [Amerindian language] Quisqueya 'Hispaniola' [island] + Aphis	Feminine
<i>Radiaphis</i>	Latin <i>rādi(x)</i> - 'root' + Aphis	Feminine
<i>Radiciphym</i>	Latin <i>rādīci(s)</i> 'of the root' + Greek <i>siph(on)</i> 'siphunculus' + -um	Neuter
<i>Radisectaphis</i>	Latin <i>radi(us)</i> 'radius' 'radial vein' + Latin <i>sect(or)</i> 'sector' + Aphis	Feminine
<i>Ramitrichophorus</i>	Latin <i>ramu(s)</i> 'branch' + Greek <i>tricho-</i> 'hair' 'seta' + Greek <i>phor-</i> 'to carry' + -us	Masculine
<i>Ranakimia</i>	Ran(unculaceae) [plant family name] + -a- + (Ka) kimia	Feminine
<i>Rappardiella</i>	(F. William) Rappard [Dutch forestry officier in Indonesia] + -i- + Latin -ella 'little'	Feminine
<i>Raychaudhuriaphis</i>	(Dihendra Nath) Raychaudhuri [Indian aphidologist] + Aphis	Feminine
<i>Raychaudhuriella</i>	(Dihendra Nath) Raychaudhuri [Indian aphidologist] + Latin -ella 'little'	Feminine
<i>Recticallis</i>	Latin <i>rectu(s)</i> 'straight' + -callis	Feminine
<i>Rectinasus</i>	Latin <i>rect(us)</i> 'straight' + Latin <i>nasus</i> 'nose'	Masculine
<i>Reticulaphis</i>	Latin <i>rēticul(um)</i> 'small net' + Aphis	Feminine
<i>Rhizoberlesia</i>	Greek <i>rhíz(a)</i> 'root' + -o- + (Antonio) Berles(e) [Italian entomologist] + -ia	Feminine
<i>Rhizobius</i>	Greek <i>rhíz(a)</i> 'root' + -o- + Greek <i>bí(os)</i> 'life' + -us	Masculine
<i>Rhizoctonus</i>	Greek <i>rhíz(a)</i> 'root' + -o- Greek -kton(os) 'killer' + -us	Masculine
<i>Rhizomaria</i>	Greek <i>rhízōma</i> 'mass of roots' + -Latin -ria 'in relation to'	Feminine
<i>Rhizophthiridium</i>	Greek <i>rhíz(a)</i> 'root' + -o- + Greek <i>phteiridi(on)</i> 'little louse' + -um	Neuter
<i>Rhizoterus</i>	Rhizo(bius) + Greek -ter 'related to' + us	Masculine
<i>Rhodiolaphis</i>	Rhodiol(a) [plant genus name] + Aphis	Feminine
<i>Rhodobium</i>	Greek <i>rhodo-</i> 'rose' + Greek <i>bí(os)</i> 'life' + -um	Neuter
<i>Rhopalomyzus</i>	Greek <i>rhópalo(n)</i> 'bludgeon' 'mace' + <i>Myzus</i>	Masculine
<i>Rhopalosiphon</i>	Greek <i>rhópalo(n)</i> 'bludgeon' 'mace' + Greek <i>síphon</i> 'siphunculus'	Neuter
<i>Rhopalosiphoninus</i>	Rhopalosiphon + Latin -īnus 'in relation to'	Masculine
<i>Rhopalosiphum</i>	Greek <i>rhópalo(n)</i> 'bludgeon' 'mace' + Greek <i>síph(on)</i> 'siphunculus' + -um	Neuter

<i>Rhynhocles</i>	Greek rhýnkho(s) ‘beak’ ‘rostrum’ + Greek -klēs ‘famous for’	Feminine
<i>Rhyzoicus</i>	Greek rhíz(a) ‘root’ + Greek oikos ‘home’	Masculine
<i>Roepkea</i>	(Walter Karl Johan) Roepke [Dutch entomologist] + -a	Feminine
<i>Rungsia</i>	(C.) Rungs [French agronomist and zoologist] + -ia	Feminine
<i>Ryoichitakahashia</i>	Ryoichi Takahashi [Japanese entomologist] + -ia	Feminine
<i>Saltusaphis</i>	Latin saltus ‘bound’ ‘leap’ + Aphis	Feminine
<i>Sanbornia</i>	(Charles Emerson) Sanborn [American aphidologist] + -ia	Feminine
<i>Sanpupemphigus</i>	Sanpu [locality, Beijing, China] + Pemphigus	Masculine
<i>Sappaphis</i>	Sapp(oro) [locality, Japan] + Aphis	Feminine
<i>Sappocallis</i>	Sappo(ro) [locality, Japan] + -callis	Feminine
<i>Sarucallis</i>	Japanese saru(suberi) ‘crape myrtle’ + -callis	Feminine
<i>Satula</i>	Satulah [mountain, North Carolina, USA]	Feminine
<i>Sbenaphis</i>	Greek sben- ‘to quench’ ‘to become extinct’ + Aphis	Feminine
<i>Schizaphidiella</i>	Schizaphid- + -i- + Latin -ella ‘little’	Feminine
<i>Schizaphis</i>	Greek schizo- ‘divided’ ‘parted’ + Aphis	Feminine
<i>Schizodryobius</i>	Greek schizo- ‘divided’ ‘parted’ + Dryobius	Masculine
<i>Schizolachnus</i>	Greek schizo- ‘divided’ ‘parted’ + Lachnus	Masculine
<i>Schizomyzus</i>	Greek schizo- ‘divided’ ‘parted’ + Myzus	Masculine
<i>Schizoneura</i>	Greek schizo- ‘divided’ ‘parted’ + Greek neur- ‘nerve’ + -a	Feminine
<i>Schizoneuraphis</i>	Schizoneur(a) + Aphis	Feminine
<i>Schizoneurata</i>	Schizoneur(a) + Latin -āta ‘in relation to’	Feminine
<i>Schizoneurella</i>	Schizoneur(a) + Latin -ella ‘little’	Feminine
<i>Schizoneuroides</i>	Schizoneur(a) + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Schlechtendalia</i>	(Diederich von) Schlechtendal [German botanist] + -i- + -a	Feminine
<i>Schoutedenia</i>	(Henri) Schouteden [Belgian aphidologist] + -ia	Feminine
<i>Schoutedenum</i>	(Henri) Schouteden [Belgian aphidologist] + -um	Neuter
<i>Sciamyzus</i>	Greek skiá ‘shadow’ + Myzus	Masculine
<i>Scleromyzus</i>	Greek sklēró(s) ‘hard’ ‘stiff’ + Myzus	Masculine
<i>Scrophulaphis</i>	Scrophul(ariaceae) [plant family name] + Aphis	Feminine
<i>Scythaphis</i>	Greek Skyth(ia) ‘Scythia’ [Caucasus region and surroundings] + Aphis	Feminine

<i>Selibaizongia</i>	Seli [Chinese name for the gall of this aphid] + Baizongia	Feminine
<i>Semiaphis</i>	Latin semi 'half' + Aphis	Feminine
<i>Semiaphoides</i>	Semiaph(is) + Greek -o-(e)ides 'with the aspect of'	Feminine
<i>Seneciobium</i>	Senecio [plant genus name] + -o- Greek bí(os) 'life' + -um	Neuter
<i>Senisetotarsaphis</i>	Latin seni 'six' + Latin sēt(a) 'bristle' 'seta' + -o- + Latin tars(us) 'tarsus' + Aphis	Feminine
<i>Sensoriaphis</i>	Latin sensōri(um) 'organ of sensation' + Aphis	Feminine
<i>Serrataphis</i>	Latin serrāt(a) 'sawshaped' 'serrated' + Aphis	Feminine
<i>Serratocallis</i>	Latin serrāt(a) 'sawshaped' 'serrated' + -o- + -callis	Feminine
<i>Setaphidia</i>	Latin sēt(a) 'bristle' 'seta' + Aphid- + -ia	Feminine
<i>Setaphis</i>	Latin sēt(a) 'bristle' 'seta' + Aphis	Feminine
<i>Shaposhnikovella</i>	(Georgii Khristoforovich) Shaposhnikov [Russian aphidologist] + -i- + Latin -ella 'little'	Feminine
<i>Shenahweum</i>	Ojibwe [Amerindian language] zhinawe 'it rattles' or 'rattle snake' + -um	Neuter
<i>Shinjia</i>	(George Orihei) Shinji [Japanese entomologist] + -a	Feminine
<i>Shivaphis</i>	Shiv(a) [hinduist divinity] + Aphis	Feminine
<i>Siciforda</i>	Latin sic 'in the same way as' + -i- + Forda	Feminine
<i>Siciunguis</i>	Latin sic 'in the same way as' + (Aphido)unguis	Masculine
<i>Siculaphis</i>	Latin Sicul(a) 'from Sicily' [island] + Aphis	Feminine
<i>Sigmacallis</i>	Greek sigma 'letter s' + -callis	Feminine
<i>Silenobium</i>	Silen(e) [plant genus name] + -o- Greek bí(os) 'life' + -um	Neuter
<i>Silvaphis</i>	Latin silva 'forest' + Aphis	Feminine
<i>Similidrepan</i>	Latin simili(s) 'similar' + Drepan(osiphum)	Feminine
<i>Sinaphidum</i>	Greek Sīn(ai) 'China' + Aph(i)s + -d- + -um	Neuter
<i>Sinishivaphis</i>	Greek Sīn(ai) 'China' + -i- + Shivaphis	Feminine
<i>Sinituberculatus</i>	Greek Sīn(ai) 'China' + -i- + Tuberculatus	Masculine
<i>Sinocallis</i>	Greek Sīn(ai) 'China' + -o- + -callis	Feminine
<i>Sinochaitophorus</i>	Greek Sīn(ai) 'China' + -o- + Chaitophorus	Masculine
<i>Sinocolopha</i>	Greek Sīn(ai) 'China' + -o- + Colopha	Feminine
<i>Sinolachnus</i>	Greek Sīn(ai) 'China' + -o- + Lachnus	Masculine
<i>Sinomegoura</i>	Greek Sīn(ai) 'China' + -o- + Megoura	Feminine

<i>Sinonipponaphis</i>	Greek Sīn(ai) ‘China’ + -o- + Nipponaphis	Feminine
<i>Sinosiphoniella</i>	Greek Sīn(ai) ‘China’ + -o- + Greek síphōn ‘siphunculus’ + Latin -ella ‘little’	Feminine
<i>Sinotherioaphis</i>	Greek Sīn(ai) ‘China’ + -o- + Therioaphis	Feminine
<i>Sinoviparosiphum</i>	Greek Sīn(ai) ‘China’ + Oviparosiphum	Neuter
<i>Sipha</i>	Palindrome of Aphis	Feminine
<i>Siphocoryne</i>	Greek síphō(n) ‘siphunculus’ + Greek korýnē ‘club’ ‘mace’	Feminine
<i>Siphonaphis</i>	Greek síphōn ‘siphunculus’ + Aphis	Feminine
<i>Siphonatrophia</i>	Greek síphon ‘siphunculus’ + Greek atrophía ‘atrophy’	Feminine
<i>Siphonella</i>	Greek síphōn ‘siphunculus’ + Latin -ella ‘little’	Feminine
<i>Siphonocallis</i>	Greek síphōn ‘siphunculus’ + -o- + -callis	Feminine
<i>Siphonocoryne</i>	Greek síphōn ‘siphunculus’ + -o- + Greek korýnē ‘club’ ‘mace’	Feminine
<i>Siphonophora</i>	Greek síphōn ‘siphunculus’ + -o- + greek phor- ‘to carry’ + -a	Feminine
<i>Siphonophoroides</i>	Siphonophor(a) + Greek -o-(ei)des ‘with the aspect of’	Feminine
<i>Sitobion</i>	Greek sīto(s) ‘grain’ ‘wheat’ + Greek bío(s) ‘life’ + -n	Neuter
<i>Sitomyzus</i>	Sito(bion) + Myzus	Masculine
<i>Slavum</i>	Latin slavum ‘slav’	Neuter
<i>Smila</i>	Smila [locality, Ukraine]	Feminine
<i>Sminthuraphis</i>	Sminthur(us) [genus of Collembola] + Aphis	Feminine
<i>Smynthurodes</i>	Sminthur(us) [genus of Collembola] + Greek -o-(ei)des ‘with the aspect of’	Masculine
<i>Sogdianella</i>	Greek (from Persian Sogdian(a) [old region, today Tadjikistan (country)]) + Latin -ella ‘little’	Feminine
<i>Somaphis</i>	Greek sōm(a) ‘body’ + Aphis	Feminine
<i>Sorbaphis</i>	Sorb(us) [plant genus name] + Aphis	Feminine
<i>Sorbobium</i>	Sorb(us) [plant genus name] + -o- + Greek bí(os) ‘life’ + -um	Neuter
<i>Spatulophorus</i>	Latin spatul(a) ‘spatula’ + -o- + Greek phor- ‘to carry’ + -us	Masculine
<i>Spicaphis</i>	Latin spīc(a) ‘point’ ‘spike’ + Aphis	Feminine
<i>Spinaphis</i>	Latin spīn(a) ‘thorn’ ‘spinules’ + Aphis	Feminine
<i>Spinaspidaphis</i>	Latin spīn(a) ‘thorn’ ‘spinules’ + Aspidaphis	Feminine
<i>Sportaphis</i>	English sport + Aphis	Feminine

<i>Staegeriella</i>	(Robert) Staeger [Swiss collector] + -i- + Latin -ella 'little'	Feminine
<i>Stagona</i>	Greek stagon- 'drop' + -a	Feminine
<i>Staticobium</i>	Static(e) [plant genus name] + Greek bi(os) 'life' + -um	Neuter
<i>Stauroceras</i>	Greek stauro 'stake' + Greek ḱeras 'horn' 'antenna'	Neuter
<i>Stegophylla</i>	Greek st́ego(s) 'roof' + phýlla 'leaves' + -a	Feminine
<i>Stellariopsis</i>	Stellari(a) [plant genus name] + Greek ópsis 'appearance'	Feminine
<i>Stenaphis</i>	Greek sten(ós) 'strait' 'narrow' + Aphis	Feminine
<i>Stephensonia</i>	(J.) Stephenson [English zoologist and teacher in India] + -ia	Feminine
<i>Sternaphis</i>	Greek st́ern(on) 'breastbone' 'sternum' + Aphis	Feminine
<i>Stomaphis</i>	Greek stóm(a) 'mouth' + Aphis	Feminine
<i>Strenaphis</i>	Latin stren(uus) 'active' 'vigorous' + Aphis	Feminine
<i>Subacyrthosiphon</i>	Latin sub 'under' 'slightly' + Acyrthosiphon	Neuter
<i>Subaiceona</i>	Latin sub 'under' 'slightly' + Aiceona	Feminine
<i>Subanoecia</i>	Latin sub 'under' 'slightly' + Anoecia	Feminine
<i>Subcallipterus</i>	Latin sub 'under' 'slightly' + Callipterus	Masculine
<i>Subcinara</i>	Latin sub 'under' 'slightly' + Cinara	Feminine
<i>Subiziphya</i>	Latin sub 'under' 'slightly' + Iziphya	Feminine
<i>Sublachnobiis</i>	Latin sub 'under' 'slightly' + Lachnobiis	Masculine
<i>Submacrosiphon</i>	Latin sub 'under' 'slightly' + Macrosiphon	Neuter
<i>Submacrosiphum</i>	Latin sub 'under' 'slightly' + Macrosiphum	Neuter
<i>Submegoura</i>	Latin sub 'under' 'slightly' + Megoura	Feminine
<i>Subovatomyzus</i>	Latin sub 'under' 'slightly' + Ovatomyzus	Masculine
<i>Subsaltusaphis</i>	Latin sub 'under' 'slightly' + Saltusaphis	Feminine
<i>Subtakecallis</i>	Latin sub 'under' 'slightly' + Takecallis	Feminine
<i>Succaphis</i>	Latin succ(inum) 'amber' + Aphis	Feminine
<i>Succinaphis</i>	Latin succin(um) 'amber' + Aphis	Feminine
<i>Sumatraphis</i>	Sumatra [island] + Aphis	Feminine
<i>Sumoia</i>	Sumo [Tokuichi (Shiraki), Japanese entomologist, reading Kanji ideograms in Chinese] + -ia	Feminine
<i>Sunaphis</i>	Sun (You-chong) [Chinese paleontologist] + Aphis	Feminine
<i>Surcaudaphis</i>	Latin sū(p)r(ā) 'above' 'beyond' + Latin caud(a) 'tail' + Aphis	Feminine

<i>Swirskiaphis</i>	(Eliahu) Swirski [Israeli aphidologist] + Aphis	Feminine
<i>Sychnobrochus</i>	Greek sykhno(s)- ‘many’ + Greek brókh(os) ‘noose’ + -us	Masculine
<i>Symydobius</i>	Unknown etymology	Masculine
<i>Synthripaphis</i>	Greek sýn ‘union’ ‘with’ + Thripsaphis	Feminine
<i>Szelegiewicziana</i>	(Henryk) Szelegiewicz [Polish aphidologist] + Latin -i-ána ‘in relation to’	Feminine
<i>Szelegiewicziella</i>	(Henryk) Szelegiewicz [Polish aphidologist] + Latin -ella ‘little’	Feminine
<i>Tactilotrampa</i>	Latin tactil(is) ‘tangible’ + -o- + Trampa	Feminine
<i>Taiwanaphis</i>	Taiwan [Island] + Aphis	Feminine
<i>Taiwanomyzus</i>	Taiwan [Island] + -o- + Myzus	Masculine
<i>Takecallis</i>	Japanese take ‘bamboos’ + -callis	Feminine
<i>Tamalia</i>	Spanish tamal ‘tamale’ + -ia	Masculine
<i>Taoia</i>	(Charles Chia-chu) Tao [Chinese aphidologist] + -ia	Feminine
<i>Tartaraphis</i>	Medieval Latin Tataria (Magna) [territory of northern and central Asia including current Siberia, Turkestan, Greater Mongolia and Manchuria] + Aphis	Feminine
<i>Tauricaphis</i>	Greek Tauric(a) [Crimea and surroundings] + Aphis	Feminine
<i>Tavaresiella</i>	(Joaquim da Silva) Tavares [Portuguese entomologist] + -i- + Latin -ella ‘little’	Feminine
<i>Telocallis</i>	Greek telo(s) ‘end’ [in the sense ‘complete’ ‘finished’] + -callis	Feminine
<i>Tenuilongiaphis</i>	Latin tenui(s) ‘thin’ + Latin longu(s) ‘long’ + Aphis	Feminine
<i>Tenuisiphon</i>	Latin tenui(s) ‘thin’ ‘slender’ + Greek síphon ‘siphunculus’	Neuter
<i>Tephraphis</i>	Greek tephra(a) ‘ashes’ + Aphis	Feminine
<i>Tertiaphis</i>	Tertia(ry) [geological period] + Aphis	Feminine
<i>Testataphis</i>	Latin testa ‘shell’ ‘tile’ + -t- + Aphis	Feminine
<i>Tetraneura</i>	Greek tetra ‘four’ + Greek neura ‘nerves’ ‘wing veins’	Feminine
<i>Tetraneurella</i>	Tetraneur(a) + Latin -ella ‘little’	Feminine
<i>Tetraneurites</i>	Tetraneura + Greek -ītēs ‘in relation to’	Masculine
<i>Tetraphis</i>	Greek tetra ‘four’ + Aphis	Feminine
<i>Thalictrophorus</i>	Thalictru(m) [plant genus name] + Greek phor- ‘to carry’ + -us	Masculine

<i>Thargelia</i>	Greek Thargēlia ‘Athenian festival in honor of Apollo and Artemis, with offerings of the first fruits of the earth’	Feminine
<i>Thecabius</i>	Latin from Greek thēca ‘case’ ‘box’ + Greek bí(o) ‘life’ + -us	Masculine
<i>Thelaxes</i>	Greek thēl(ē) ‘nipple’ + -ax + -es	Feminine
<i>Thelazacallis</i>	Greek theláz(ein) ‘to suckle’ + -a- + -callis	Feminine
<i>Therioaphis</i>	Greek thērio(n) ‘wild animal’ + Aphis	Feminine
<i>Thomasia</i>	(Cyrus) Thomas [American aphidologist] + -ia	Feminine
<i>Thomasiniellula</i>	Thomas(ia) + Latin -in(a) ‘in relation to’ + -i- + Latin -ell(a) ‘little’ + Latin -ula ‘little’	Feminine
<i>Thoracaphis</i>	Greek thōrak(o)- ‘thorax’ + Aphis	Feminine
<i>Thripsaphis</i>	Thrips(idae) [Thysanopteran family name] + Aphis	Feminine
<i>Thuleaphis</i>	Latin Thūlē [northern part of the world in the Antiquity] + Aphis	Feminine
<i>Tiliaphis</i>	Tili(a) [plant genus name] + Aphis	Feminine
<i>Tiliphagus</i>	Tilia [plant genus name] + Greek phag- ‘to eat’ + -us	Masculine
<i>Tinocallis</i>	Uncertain etymology: Tino [Japanese family name or locality name] + -callis	Feminine
<i>Tinocalloides</i>	Tinocalli(s) + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Titanosiphon</i>	Greek Titan [Mithologic deity] + -o- + Greek siphon ‘siphunculus’	Neuter
<i>Tlja</i>	Russian tlja ‘aphid’	Feminine
<i>Todolachnus</i>	Japanese todo(-matsu) ‘Sakhalin fir’ + Lachnus	Masculine
<i>Toltecallis</i>	Toltec ‘Nahuatl people of Mexico’ + -callis	Feminine
<i>Toxoptera</i>	Greek tóxo(n) ‘bow’ + Greek ptéra ‘wings’	Feminine
<i>Toxopterella</i>	Toxopter(a) + Latin -ella ‘little’	Feminine
<i>Toxopterina</i>	Toxopter(a) + Latin -īna ‘in relation to’	Feminine
<i>Trachaphis</i>	Latin trakh(ýs) ‘rough’ + Aphis	Feminine
<i>Trama</i>	Uncertain etymology: Latin trāma ‘weft’	Feminine
<i>Tramaforda</i>	Trama + Forda	Feminine
<i>Tranaphis</i>	Latin tran(s) ‘across’ ‘through’ + Aphis	Feminine
<i>Tricaudatus</i>	Latin tri- ‘three’ + Latin cauda ‘tail’ + Latin -ātus ‘with’	Masculine
<i>Trichaitophorus</i>	Greek tri(tós) ‘third’ + Chaitophorus	Masculine
<i>Trichocallis</i>	Greek trikho- ‘hair, ‘seta’ + -callis	Feminine

<i>Trichonaphis</i>	Greek trikho- 'hair' 'seta' + -n- + Aphis	Feminine
<i>Trichoregma</i>	Greek trikh(o-) 'hair' 'seta' + Oregma	Neuter
<i>Trichosiphonaphis</i>	Greek trikho- 'hair' 'seta' + sípho(n) 'siphunculus' + Aphis	Feminine
<i>Trichosiphoniella</i>	Trichosiphum + -i- + Latin -ella 'little'	Feminine
<i>Trichosiphum</i>	Greek trikho- 'hair' 'seta' + Greek síph(on) 'siphunculus' + -um	Neuter
<i>Trifidaphis</i>	Latin trifid(us) 'threeforked' + Aphis	Feminine
<i>Trilobaphis</i>	Greek tri- 'three' + Greek lob(ós) 'lobule' + Aphis	Feminine
<i>Trinacriella</i>	Greek Trinacri(a) 'Sicily' [island] + Latin -ella 'little'	Feminine
<i>Triocula</i>	Latin tri- 'three' + Latin ocula 'eyes'	Feminine
<i>Triphyllaphis</i>	Greek tri(tē) 'third' + Phyllaphis	Feminine
<i>Tritogenaphis</i>	Greek tritogen(ēs) 'third child' + Aphis	Feminine
<i>Tritrichosiphum</i>	Greek tri(ton) 'third' + Trichosiphum	Neuter
<i>Truncaphis</i>	Latin truncā(ta) 'mutilated' + Aphis	Feminine
<i>Tshernovaia</i>	(Olga Aleksandrovna) Tshernova [Russian entomologist] + -ia	Feminine
<i>Tsugaphis</i>	Tsuga [plant genus name] + Aphis	Feminine
<i>Tubaphis</i>	Latin tub(us) 'tube' + Aphis	Feminine
<i>Tuberaphis</i>	Latin tūber 'protuberance' + Aphis	Feminine
<i>Tuberculaminatus</i>	Latin tūbercu(lum) 'little protuberance' + Latin lāmin(a) 'plate' + Latin -ātus 'with'	Masculine
<i>Tuberculaphis</i>	Latin tūbercul(um) 'little protuberance' + Aphis	Feminine
<i>Tuberculatus</i>	Latin tūbercul(um) 'little protuberance' + Latin -ātus 'with'	Masculine
<i>Tuberculoides</i>	Tubercul(atus) + Greek -o-(e)ides 'with the aspect of'	Masculine
<i>Tuberdefectus</i>	Latin tūber 'protuberance' + Latin dēfectus 'weak'	Masculine
<i>Tuberoaphis</i>	Latin tūberō(sa) 'with protuberances' + Aphis	Feminine
<i>Tubercollis</i>	Latin tūberō(sum) 'with protuberances' + -callis	Feminine
<i>Tuberocephalus</i>	Latin tūberō(sus) 'with protuberances' + Greek kephal- 'head' + us	Masculine
<i>Tubercorpus</i>	Latin tūberō(sum) 'with protuberances' + Latin corpus 'body'	Masculine
<i>Tuberdryobius</i>	Latin tūberō(sus) 'with protuberances' + Dryobius	Masculine
<i>Tuberolachniella</i>	Tuberolachnu(s) + Latin -ella 'little'	Feminine

<i>Tuberolachnus</i>	Latin <i>tüberō</i> (sum) ‘with protuberances’ + Lachnus	Masculine
<i>Tuberosiphum</i>	Latin <i>tüberō</i> (sum) ‘with protuberances’ + <i>síph</i> (on) ‘siphunculus’ + -um	Neuter
<i>Tubicauda</i>	Latin <i>tubu</i> (s) ‘tube’ + Latin <i>cauda</i> ‘tail’ ‘cauda’	Feminine
<i>Tullgrenia</i>	(Albert) Tullgren [Sweden aphidologist] + -ia	Feminine
<i>Tumoranuraphis</i>	Latin <i>tumor</i> (osus) ‘inflated’ + Anuraphis	Feminine
<i>Turanaphis</i>	Persian <i>Tūrān</i> ‘Turanian region’ + Aphis	Feminine
<i>Turanoleucon</i>	Persian <i>Tūrān</i> ‘Turanian region’ + -o- + (Uro) leucon	Neuter
<i>Tychea</i>	Greek <i>tykheía</i> ‘accidental’	Feminine
<i>Tycheoides</i>	Tychea + Greek -o-(e)ides ‘with the aspect of’	Masculine
<i>Uhlmannia</i>	Incomplete etymology: Uhlmann [German family name] + -ia	Feminine
<i>Uichancoella</i>	(Leopoldo B.) Uichanco [Filipino entomologist] + Latin -ella ‘little’	Feminine
<i>Umbelliferaria</i>	Umbellifer(ae) [plant family name] + Latin -āria ‘in relation to’	Feminine
<i>Unilachnus</i>	Latin <i>ūnu</i> (s) ‘single’ ‘alone’ + Lachnus	Masculine
<i>Unipterus</i>	Latin <i>ūnu</i> (s) ‘single’ ‘alone’ + Greek <i>ptér</i> (on)- ‘wing’+ -us	Masculine
<i>Unisitobion</i>	Latin <i>ūnu</i> (s) ‘single’ ‘alone’ + Sitobion	Neuter
<i>Uraphis</i>	Greek (o)urá ‘tail’ ‘cauda’ + Aphis	Neuter
<i>Uroleucon</i>	Greek (o)urá ‘tail’ ‘cauda’ + Greek <i>leukón</i> ‘white’ ‘clear’	Neuter
<i>Uromelan</i>	Greek (o)urá ‘tail’ ‘cauda’ + Greek <i>mélan</i> ‘black’ ‘dark’	Neuter
<i>Utamphorophora</i>	Uta(h) [state, USA]+ Amphorophora	Feminine
<i>Verrucosa</i>	Latin <i>verrucosa</i> ‘warty’	Feminine
<i>Vesiculaphis</i>	Latin <i>vesicul</i> (a) ‘little bladder’ ‘blister’ + Aphis	Feminine
<i>Viburnaphis</i>	Viburnum [plant genus name] + Aphis	Feminine
<i>Vitimaphis</i>	Vitim [river, Shaka Republic, Russia] + Aphis	Feminine
<i>Volutaphis</i>	Latin <i>voluta</i> ‘scroll’ + Aphis	Feminine
<i>Wahlgreniella</i>	(Einar) Wahlgren [American aphidologist] + -i- + Latin -ella ‘little’	Feminine
<i>Wanyucallis</i>	(Zhang) Wang-yu [Chinese aphidologist] + -callis	Feminine
<i>Wapuna</i>	Potawatomie [Amerindian language] <i>wapuna</i> ‘dawn’	Feminine
<i>Watabura</i>	Japanese <i>wat</i> (a) ‘cotton’ + <i>abura</i> (-mushi) ‘aphid’	Feminine

<i>Weibanaphis</i>	Chinese weiban ‘tail’ ‘cauda’ + Aphis	Feminine
<i>Wilsonia</i>	(Harley Frost) Wilson [American aphidologist] + -ia	Feminine
<i>Xanthomyzus</i>	Greek xanthó(s) ‘yellow’ + Myzus	Masculine
<i>Xenomyzus</i>	Greek xéno(s) ‘foreign’ ‘unusual’ + Myzus	Masculine
<i>Xenopterygus</i>	Greek xéno(s) ‘foreign’ ‘unusual’ + Greek pteryg- ‘winged creature’ + -us	Masculine
<i>Xenosiphonaphis</i>	Greek xéno(s) ‘foreign’ ‘unusual’ + Greek síphon ‘siphunculus’ + Aphis	Feminine
<i>Xenothoracaphis</i>	Greek xéno(s) ‘foreign’ ‘unusual’ + Thoracaphis	Feminine
<i>Xerobion</i>	Greek xēro- ‘dry’ + Greek bí(os) ‘life’ + -um	Neuter
<i>Xerophilaphis</i>	Greek xēro- ‘dry’ + Greek phyl(lo)- ‘leaf’ + Aphis	Feminine
<i>Xilutianocallis</i>	Chinese Xilutian [open cut mine, Fushun, China] + -o- + -callis	Feminine
<i>Yamataphis</i>	Japanese Yamat(o) [old name of Japan] + Aphis	Feminine
<i>Yamatocallis</i>	Japanese Yamato [old name of Japan] + -callis	Feminine
<i>Yamatochaitophorus</i>	Japanese Yamato [old name of Japan] + Chaitophorus	Masculine
<i>Yezabura</i>	Japanese Yez(o) (Ezo) [old name of Hokkaido Island] + Japanese abura(-mushi) ‘aphid’	Feminine
<i>Yezaphis</i>	Japanese Yez(o) (Ezo) [old name of Hokkaido Island] + Aphis	Feminine
<i>Yezocallis</i>	Japanese Yezo (Ezo) [old name of Hokkaido Island] + -callis	Feminine
<i>Yesosiphum</i>	Japanese Yezo (Ezo) [old name of Hokkaido Island] + Greek síph(on) ‘siphunculus’ + -um	Neuter
<i>Yueaphis</i>	Yue (Seng-xun) [Chinese paleontologist] + Aphis	Feminine
<i>Zelkovaphis</i>	Zelkov(a) [plant genus name] + Aphis	Feminine
<i>Zinia</i>	ZIN [acronym for Zoologicheskiiy Institute Rossiyskoy Akademii Nauk, scientific institute in St. Petersburg, Russia] + -ia	Feminine
<i>Zymus</i>	Greek zy(me) ‘leaven’ ‘yeast’ + M(yz)us	Masculine
<i>Zyxaphis</i>	z + y + x [the last letters] + Aphis	Feminine

ADDED IN PROOFS / AÑADIDO EN LAS PRUEBAS

Gredinia Pashchenko, 2000

Publication reference: Zoologicheskii Zhurnal, 79 (5): 631.

Described as genus.

Type species: *Gredinia pilosotuba* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Rostratusaphis Fang & Qiao, 2009

Publication reference: Oriental Insects, 43: 59.

Described as genus.

Type species: *Rostratusaphis rhododendronitos* Fang & Qiao, 2009; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

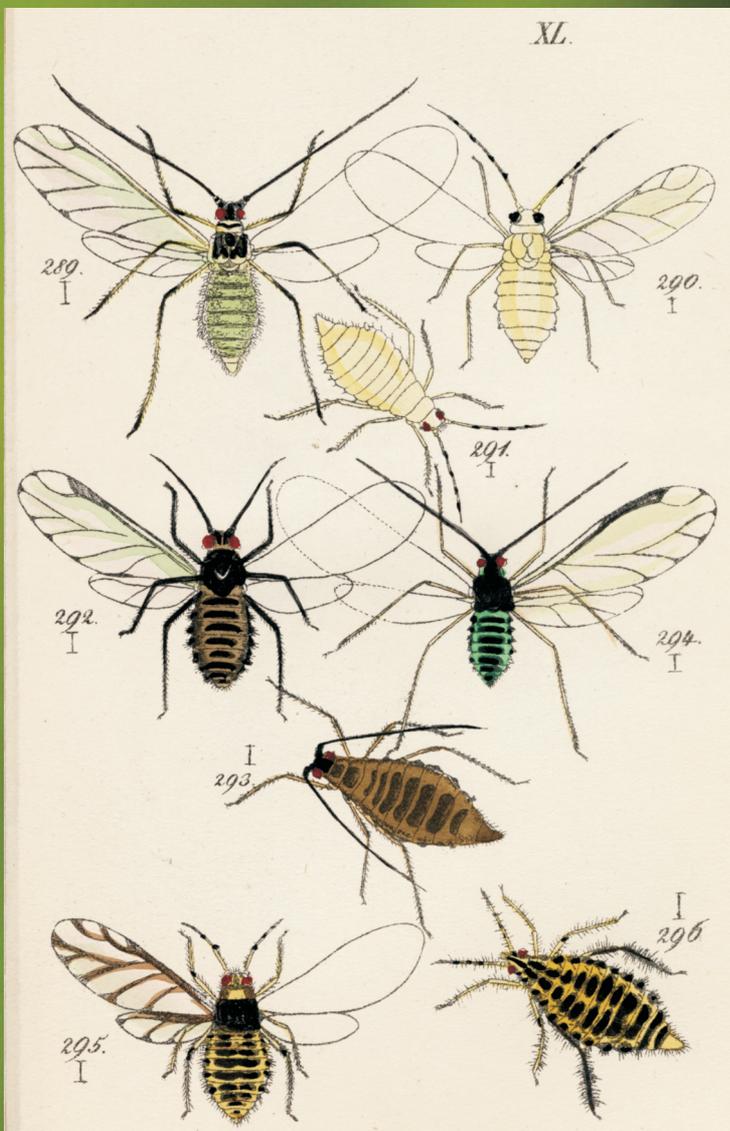
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Gredinia (Elena Pavlovna) Gredin(a) [Russian aphidologist] + -ia Feminine

Rostratusaphis Latin rostr(um) 'beak' 'rostrum' + Latin -ātus 'with' + Aphis Feminine

The inclusion of *Gredinia* Pashchenko and *Rostratusaphis* Fang & Qiao raises the total number of established genus-group names to 1,332, of which 1,222 are available. Of these, 1,113 are objectively valid and 775 are subjectively valid.

Con esta adición los géneros establecidos son 1332, los disponibles, 1222, y los válidos objetivos y subjetivos son, respectivamente, 1113 y 775.



Juan M. Nieto Nafria & Colin Favret

REGISTERS OF FAMILY-GROUP AND GENUS-GROUP TAXA OF APHIDOIDEA
REGISTROS DE LOS TAXONES DEL NIVEL FAMILIA Y DEL NIVEL GÉNERO DE APHIDOIDEA
(HEMIPTERA STERNORRHYNCHA)



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