

## **Checklist of Species of the Subfamily Masarinae (Hymenoptera: Vespidae)**

Author: CARPENTER, JAMES M.

Source: American Museum Novitates, 2001(3325) : 1-40

Published By: American Museum of Natural History

URL: [https://doi.org/10.1206/0003-0082\(2001\)325<0001:COSOTS>2.0.CO;2](https://doi.org/10.1206/0003-0082(2001)325<0001:COSOTS>2.0.CO;2)

---

BioOne Complete ([complete.BioOne.org](https://complete.BioOne.org)) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at [www.bioone.org/terms-of-use](https://www.bioone.org/terms-of-use).

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

---

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

# AMERICAN MUSEUM *Novitates*

PUBLISHED BY THE AMERICAN MUSEUM OF NATURAL HISTORY  
CENTRAL PARK WEST AT 79TH STREET, NEW YORK, NY 10024  
Number 3325, 40 pp. April 26, 2001

## Checklist of Species of the Subfamily Masarinae (Hymenoptera: Vespidae)

JAMES M. CARPENTER<sup>1</sup>

### ABSTRACT

A checklist of species in the pollen wasp subfamily Masarinae is presented, including synonyms and distributional summaries. The 297 valid species and 15 additional subspecies are arranged in 14 genera, divided into two tribes, Gayellini and Masarini, with the latter divided into the subtribes *Priscomasarina*, *Paragiina*, and *Masarina*. Thirty-two new combinations are made.

### INTRODUCTION

The most recent monograph of the Masarinae is by Richards (1962). Since that work there have been numerous changes to the classification of these wasps. The family group arrangement is now different: Richards treated Masarinae in the present sense as a family, with three subfamilies: Euparagiinae, Gayellinae, and Masarinae. Masarinae was divided into tribes, Paragiini and Masarini. Carpenter (1981) reduced Masaridae to a subfamily of Vespidae, removing Euparagiinae, which is the sister-group to all other extant vespids, reducing Richards' Gayellinae and Masarinae to tribes, and sinking Richards' Paragiini and Masarini. Carpenter

(1997) reconstituted these latter groups and recognized them as subtribes within Masarini, to which F. W. Gess (1998) added another subtribe, *Priscomasarina*. The generic classification has also undergone considerable change: Giordani Soika (1974), Snelling (1986), and F. W. Gess (1998) each added a genus to the 18 recognized by Richards, while Carpenter (1989), van der Vecht and Carpenter (1990), and Carpenter (1997) synonymized eight. And of course, there have been numerous species descriptions and synonymies published since Richards (1962).

More recently, S. K. Gess (1996) reviewed the Masarinae and provided a list of described species, along with distributional summaries. That list is useful; however, it

<sup>1</sup> Curator, Division of Invertebrate Zoology, American Museum of Natural History.

lacks citations of the original references, limiting its taxonomic value. There have been a number of descriptions and synonymies since that list was published; moreover, preparation of the present checklist has revealed a few errors in both Richards (1962) and S. K. Gess (1996).

The present checklist follows the generic classification in van der Vecht and Carpenter (1990), with one amendment. The generic synonymies in van der Vecht and Carpenter's catalog were based on my ongoing phylogenetic studies in the Vespidae. Only parts of the cladistic study of Masarinae have as yet been published (Carpenter, 1989, 1997; see summary in Carpenter, 1993). Because the rationale for most of the synonymy was not yet published, S. K. Gess (1996) did not follow them in her list. Carpenter (1997) subsequently detailed the basis for generic reclassification in the Paragiina. I will summarize the rationale for the remaining synonymy here.

The monophyly of *Trimeria* + *Microtrimeria* is shown by the forewing cu-a distad of the fork of M and CuA by a distance nearly equal to its length, a single occipital carina, the palpal formula 2:3, loss of the lateral pronotal groove, the short pyriform tegula, the posteriorly lamellate scutellum, the female foretarsi with lobes of unique form, the hooked hairs on the female foretarsi, and the compressed mid- and hindcoxae. Both genera are evidently monophyletic, as is the *Trimeria* subgenus *Willinkia* Richards, but that does not mean that their recognition is warranted. The characters by which all these taxa differ are for the most part variable within other genera, and so their recognition contributes little to the process of efficient diagnosis (Farris, 1979). Accordingly, they are treated as synonyms.

Richards (1962) recognized two subgenera within *Celonites*, but whereas *Eucelonites* is defined by the autapomorphy of an axillary process, the typical subgenus is defined only by its absence. It is evidently paraphyletic, and *Eucelonites* is thus synonymized with *Celonites*.

The monophyly of *Quartinia* + *Quartinioides* + *Quartiniella* is shown by the forewing marginal cell appendiculate with a nebulous vein, the forewing cu-a oblique, the

hindwing preaxillary excision deep, the single long occipital carina, and the palpal formula 1:3. Both *Quartiniella* and *Quartinioides* are primarily based on partitioning a trend in the reduction of wing venation. *Quartiniella* is defined by the loss of forewing 3rs-m and 2m-cu; *Quartinioides* has 2m-cu present but attenuate and interrupted, whereas *Quartinia* has it complete. Other features listed in Richards' (1962: 127) key mostly vary within these taxa or are erroneous (e. g., *Quartinioides* has two hindtibial spurs). The remainder are consistent with the inference that *Quartinia* is paraphyletic in terms of *Quartinioides*, which is in turn paraphyletic in terms of *Quartiniella* (e. g., *Quartinioides* is also separated from *Quartinia* by the preaxillary excision deep, the jugal lobe reduced, and the stipes medially produced, all characters shared with *Quartiniella*). In any case, the formal taxonomic partitioning of essentially continuous variation should be rejected, and *Quartinioides* and *Quartiniella* are accordingly synonymized with *Quartinia*.

Finally, I previously (van der Vecht and Carpenter, 1990) treated *Masarina* as a synonym of *Jugurtia*. Both genera have autapomorphies, but considering the few species of *Masarina* recognized at that time (i. e., four; see Richards, 1962, Gess and Gess, 1988), I did not regard the features by which the genera differ as significant as those which they share. Further, the recognition of a genus *Masarina* might be confusing because that name is also used for a subtribe. F. W. Gess (1997) has since described six more species of *Masarina* and pointed out additional diagnostic features, and I agree that maintaining the genera is now justified. A total of 14 genera (and no subgenera) for the Masarinae is thus recognized here.

The arrangement of the checklist is alphabetical. Each species and subspecies is followed by the original citation and then by synonyms, which are listed chronologically. The status given each taxon generally follows the most recent author to treat that taxon. I do not regard the recognition of subspecies as taxonomically useful, but as such taxa are a mixture of synonyms and valid phylogenetic species, each case should be studied before appropriate corrective action

is taken. Misspellings are indicated by exclamation marks in brackets. To facilitate ready reference, each publication is cited in abbreviated form. Where two dates are listed, the first is the true date of publication, so far as can be determined, with the date following in parentheses being the date printed on the publication. The sex of the type specimens, if stated in the description, is then listed. The original locality is quoted for each description, and the type depository is then listed in parentheses. If the sex of the holotype or lectotype is known, this is listed with the depository, except where a single sex was specified in the original description, in which case this information is not repeated, or where syntypes have not had a lectotype designated (a few exceptions to these rules are corrections to original descriptions). A code word is used to designate most type depositories in the checklist, typically the name of city in which the collection is located; this precedes the name of the museum or institution. Museums or institutions where type specimens are kept are as follows.

Berlin: Museum für Naturkunde der Humboldt-Universität, Berlin, Germany  
 BOL: Biologiezentrum des Oberösterreichischen Landesmuseums Linz, Austria  
 Bremen: Übersee-Museum, Bremen, Germany  
 Budapest: Hungarian Natural History Museum, Budapest, Hungary  
 Buenos Aires: Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," Buenos Aires, Argentina  
 Cambridge: Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, USA  
 Canberra: Australian National Insect Collection, CSIRO, Canberra, Australia  
 Cape Town: South African Museum, Cape Town, South Africa  
 Copenhagen: Zoologisk Museum, Kobenhavn's Universitet, Copenhagen, Denmark  
 Davis: Bohart Museum of Entomology, University of California, Davis, California, USA  
 Geneva: Muséum d'Histoire Naturelle, Geneva, Switzerland  
 Genova: Museo Civico di Storia Naturale "Giacomo Doria," Genoa, Italy  
 Grahamstown: Albany Museum, Grahamstown, South Africa  
 Hamburg: Zoologisches Museum, Universität Hamburg, Hamburg, Germany

Helsinki: Finnish Museum of Natural History, Helsinki, Finland  
 IPC: Instituto Pedagógico de Chile [Universidad de Chile, Santiago, Chile]  
 Leiden: Nationaal Natuurhistorisch Museum, Leiden, the Netherlands  
 Linz: coll Gusenleitner, Pfitznerstrasse 31, A-4020 Linz/Donau, Austria  
 London: Natural History Museum, London, England  
 Madrid: Museo Nacional de Ciencias Naturales, Madrid, Spain  
 Moscow: Zoological Museum, Moscow State University, Moscow, Russia  
 New York: American Museum of Natural History, New York, New York, USA  
 Oxford: Hope Entomological Collections, Oxford University, Oxford, England  
 Paris: Muséum National d'Histoire Naturelle, Paris, France  
 Perth: Western Australian Museum, Perth, Australia  
 Philadelphia: Academy of Natural Sciences, Philadelphia, Pennsylvania, USA  
 Pretoria: Transvaal Museum, Pretoria, South Africa  
 St. Petersburg: Zoological Institute, Russian Academy of Sciences, St Petersburg, Russia  
 San Francisco: California Academy of Sciences, San Francisco, California, USA  
 San Lorenzo: Museo Nacional de Historia Natural del Paraguay, San Lorenzo, Paraguay  
 Santiago: Museo Nacional de Historia Natural, Santiago, Chile  
 Sofia: National Museum of Natural History, Bulgarian Academy of Sciences, Sofia, Bulgaria  
 Tucumán: Fundación y Instituto Miguel Lillo, Tucumán, Argentina  
 Turin: Museo di Zoologia Sistemática dell'Università di Torino, Turin, Italy  
 Uppsala: Zoological Museum, Uppsala University, Uppsala, Sweden  
 Venice: Museo Civico di Storia Naturale, Venice, Italy  
 Vienna: Naturhistorisches Museum Wien, Vienna, Austria  
 Washington: National Museum of Natural History, Smithsonian Institution, Washington, DC, USA  
 Zürich: Eidgenössische Technische Hochschule, Zürich, Switzerland

A few smaller private collections are not included in the above list, being mostly collections whose present whereabouts are doubtful.

Distributional data are summarized by country in the final paragraph for each spe-

cies. An asterisk denotes a new locality record.

SUBFAMILY MASARINAE LATREILLE,  
1802

**Masarides** Latreille, 1802, Hist. Nat. Crust. Insect. 3: 367, family. TYPE GENUS: *Masaris* Fabricius, 1793.

Mazaridinae Schulz, 1911, Zool. Ann. Würzburg 4: 199. Unnecessary emendation of Masarinae Latreille.

Celonitinae Börner, 1919, Biol. Zentralbl. 39(4): 186. TYPE GENUS: *Celonites* Latreille, 1802.

Saryarinae Kuznetzov, 1923, J. Turkestan Branch Russ. Geogr. Soc. 16: 127. TYPE GENUS: *Saryara* Kuznetzov, 1923.

TRIBE GAYELLINI BRADLEY, 1922

Gayellinae Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 374, 376, 380 (key), subfamily. TYPE GENUS: *Gayella* Spinola, 1851.

Genus **Gayella** Spinola

*Gayella* Spinola, 1851, in Gay, Hist. Fis. Polit. Chile, 6: 328, genus. TYPE SPECIES: *Gayella eumenoides* Spinola, 1851, by monotypy.

*Gazella* [!] Reed, 1894, Proc. Zool. Soc. London 1893: 685.

**araucana** Willink

*Gayella araucana* Willink, 1956, Bol. Acad. Nac. Cienc. 39: 341, 342, 346, figs. 3, 4, female, male –“Chile, Prov. Santiago: Renca” (holotype female, IPC).

DISTRIBUTION: Chile: Atacama, Coquimbo, Valparaíso, Santiago, O’Higgins, Maule, Biobío.

**eumenoides** Spinola

*Gayella eumenoides* Spinola, 1851, in Gay, Hist. Fis. Polit. Chile. Zool. 6: 333, pl. II, fig. 2, male, female –“provincias del norte y sobretodo en Santa Rosa” (lectotype female, Paris).

*Gayella sicheliana* von Schulthess, 1910, Deutsch. Entomol. Z.: 189, as a synonym of *eumenoides*, attributed to de Saussure.

DISTRIBUTION: Chile: Atacama, Coquimbo, Valparaíso, Santiago, O’Higgins, Maule.

**luispenai** Willink and Ajmat de Toledo

*Gayella luispenai* Willink and Ajmat de Toledo, 1979, Acta Zool. Lilloana 35: 427, 428, 429, figs. 1, 6, 7, male, female –“Riconada, Jujuy, Argentina” (holotype male, Tucumán).

DISTRIBUTION: Argentina: Jujuy; Bolivia: Potosí.

**mutilloides** de Saussure

*Gayella mutilloides* de Saussure, 1855, Ét. Fam. Vesp. 3: 114, female –“Le Chili” (London).

*Gayella odyneroides*; von Schulthess, 1910, Deutsch. Entomol. Z.: 189. *Lapsus calami*.

*Gayella mutilloides nigerrima* Giordani Soika, 1960 (1958), Boll. Mus. Civ. Stor. Nat. Venezia 11: 80, female –“Cile” (Venice).

DISTRIBUTION: Chile: Valparaíso, Santiago, Biobío, Araucanía; Argentina: Chubut, Neuquén, Rio Negro.

**patagonica** Willink

*Gayella patagonica* Willink, 1956, Bol. Acad. Nac. Cienc. 39: 341, 342, 350, figs. 9–11, female, male –“Esquel, Chubut, Argentina” (holotype female, Tucumán).

*Gayella cerceroides* Giordani Soika, 1960 (1958), Boll. Mus. Civ. Stor. Nat. Venezia 11: 82, female –“N.W. Patagonia, 1000–3000 piedi” (London).

DISTRIBUTION: Chile: Santiago; Argentina: Chubut, Mendoza, Rio Negro.

**reedi** Willink

*Gayella reedi* Willink, 1963, Acta Zool. Lilloana 19: 385, 1 fig., female –“Casa Blanca, Valparaíso, Chile” (San Francisco).

DISTRIBUTION: Chile: Atacama, Coquimbo, Valparaíso.

Genus **Paramasaris** Cameron

*Paramasaris* Cameron, 1901, Trans. Am. Entomol. Soc. 27: 311, genus. TYPE SPECIES: *Paramasaris fuscipennis* Cameron, 1901, by monotypy.

*Zethoides* Cameron, 1904, Trans. Am. Entomol. Soc. 30: 93, genus, non *Zethoides* Fox, 1899. TYPE SPECIES: *Zethoides flavolineatus* Cameron, 1904, by monotypy.

*Plesiozethus* Cameron, 1905, Entomologist 38: 269, replacement name for *Zethoides* Cameron.

*Metazethoides* Schulz, 1906, Spolia Hym.:

213, unnecessary replacement name for *Zethoides* Cameron.

*Paragayella* Giordani Soika, 1974, Boll. Mus. Civ. Stor. Nat. Venezia 25: 87, 89, 99, genus. TYPE SPECIES: *Paragayella richardsi* Giordani Soika, 1974, by original designation and monotypy.

**brasiliensis** Giordani Soika

*Paramasaris brasiliensis* Giordani Soika, 1974, Boll. Mus. Civ. Stor. Nat. Venezia 25: 105, female, male –“*Brasile*: Nova Teutonia, Santa Catarina” (holotype female, Cambridge).

DISTRIBUTION: Brazil: Santa Catarina; Argentina: Misiones.

**cupreus** Giordani Soika

*Paramasaris cupreus* Giordani Soika, 1974, Boll. Mus. Civ. Stor. Nat. Venezia 25: 104, 106, female –“*Columbia*: Caqueta, Florencia, 480 m.” (London).

DISTRIBUTION: Colombia: Caqueta, Magdalena, Putumayo; Peru: Loreto.

**fuscipennis** Cameron

*Paramasaris fuscipennis* Cameron, 1901: 312, female –“Santa Fé Mountains, New Mexico” (London).

*Zethoides flavolineatus* Cameron, 1904, Trans. Am. Entomol. Soc. 30: 94, male –“Panama (Pacific side)” (London).

DISTRIBUTION: Colombia; Panama; Guatemala; Mexico: Jalisco, Sinaloa.

**richardsi** (Giordani Soika)

*Paragayella richardsi* Giordani Soika, 1974, Boll. Mus. Civ. Stor. Nat. Venezia 25: 88, fig. 2, pl. II, 101, female –“*Brasile*: Mato Grosso, Serra Roncados, R. S. Base Camp” (London).

DISTRIBUTION: Brazil: Goiás, Mato Grosso.

TRIBE MASARINI LATREILLE, 1802

SUBTRIBE PRISCOMASARINA GESS, 1998

Priscomasarina Gess, 1998, J. Hym. Res. 7(2): 296, 299, subtribe. TYPE GENUS: *Priscomasaris* Gess, 1998.

Genus **Priscomasaris** Gess

*Priscomasaris* Gess, 1998, J. Hym. Res. 7(2): 296, genus. TYPE SPECIES: *Priscomasaris namibiensis* Gess, 1998, by original designation and monotypy.

**namibiensis** Gess

*Priscomasaris namibiensis* Gess, 1998, J. Hym. Res. 7(2): 296, 300, figs. 2–9, female, male –“Namibia: between Palm and Khorixas (20.17S 14.05 E)” (holotype female, Grahamstown); also from five other localities in Namibia.

DISTRIBUTION: Namibia.

SUBTRIBE PARAGIINA BRADLEY, 1922

Paragiini Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 387 (key), tribe. TYPE GENUS: *Paragia* Shuckard, 1837.

Genus **Metaparagia** Meade-Waldo

*Metaparagia* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 748, genus. TYPE SPECIES: *Paragia pictifrons* Smith, 1857, by original designation.

*Riekia* Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 54, genus. TYPE SPECIES: *Riekia nocatunga* Richards, 1962, by original designation and monotypy.

*Rolandia* Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 57, genus. TYPE SPECIES: *Paragia maculata* Meade-Waldo, 1910, by original designation and monotypy.

*Ammoparagia* Snelling, 1986, Contrib. Sci. 378: 1, 2, genus. TYPE SPECIES: *Ammoparagia hua* Snelling, 1986, by original designation and monotypy.

**angulata** (Richards)

*Riekia angulata* Richards, 1968, J. Aust. Entomol. Soc. 7: 101, female –“QUEENSLAND . . . Cunnamulla” (Canberra); also from New South Wales.

DISTRIBUTION: Australia: Queensland, New South Wales.

**borreriae** (Snelling)

*Rolandia borreriae* Snelling, 1986, Contrib. Sci. 378: 1, 8–9, 11, figs. 11, 17, 24, male, female –“Cooper Creek (12°06'S, 133°04'E), 19 km E by S Mt. Borradaile, Northern Territory” (holotype male, Perth).

DISTRIBUTION: Australia: Northern Territory.

**confluens** (Snelling)

*Paragia confluens* Snelling, 1986, Contrib. Sci. 378: 1, 14, fig. 28, female –“Western

Australia . . . 36 km ESE Minnie Creek Homestead, 24°38'S, 115°42'E" (Perth).

DISTRIBUTION: Australia: Western Australia.

**doddi** Meade-Waldo

*Metaparagia doddi* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 748, female – “Cairns, N. Queensland” (London).

DISTRIBUTION: Australia: Queensland.

**houstoni** (Snelling)

*Rolandia houstoni* Snelling, 1986, Contrib. Sci. 378: 1, 8, figs. 9, 12, 14, 15, 18, 22, 23, 26, 29, male, female – “Western Australia . . . 10 km ESE Meedo Homestead (25°40'S, 114°37'W)” (holotype male, Perth).

DISTRIBUTION: Australia: Western Australia.

**hua** (Snelling)

*Ammoparagia hua* Snelling, 1986, Contrib. Sci. 378: 1, 3, 5, figs. 1–8, male, female – “Western Australia . . . 43 km ENE Lander Homestead (25°08'S, 116°54'E)” (holotype male, Perth).

DISTRIBUTION: Australia: Western Australia.

**maculata** (Meade-Waldo)

*Paragia maculata* Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 5: 31, 32, female, male – “Western Australia” (lectotype female, London).

DISTRIBUTION: Australia: Western Australia.

**nocatunga** (Richards)

*Riekia nocatunga* Richards, 1962, Revision. Study Masarid Wasps: 54, figs. 55–59, female – “New South Wales: Nocatunga (7 miles N. of)” (Canberra).

DISTRIBUTION: Australia: New South Wales.

**pictifrons** (Smith)

*Paragia pictifrons* Smith, 1857, Cat. Hym. Brit. Mus.: 2, female – “Swan River” (London).

DISTRIBUTION: Australia: Western Australia.

Genus **Paragia** Shuckard

*Paragia* Shuckard, 1837, Trans. Entomol. Soc. London 2: 81, genus. TYPE SPECIES: *Paragia decipiens* Shuckard, 1837, by monotypy.

*Alpha* Dalla Torre, 1904, Genera Insect. 19: 4, name for division I of genus *Paragia* Shuckard in de Saussure, 1855, Ét. Fam.

Vesp. 3: 54 (3 species). Non *Alpha* de Saussure, 1854.

*Beta* Dalla Torre, 1904, Genera Insect. 19: 4, name for division II of genus *Paragia* Shuckard in de Saussure, 1855, Ét. Fam. Vesp. 3: 56 (5 species). Non *Beta* de Saussure, 1854.

*Cygnaea* Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 60, subgenus of *Paragia* Shuckard. TYPE SPECIES: *Paragia vespiformis* Smith, 1865, by original designation and monotypy.

*Paragiella* Richards, 1962, Revision. Study Masarid Wasps: 4, 53, 67, subgenus of *Paragia* Shuckard. TYPE SPECIES: *Paragia odyneroides* Smith, 1850, by original designation.

**australis australis** de Saussure

*Paragia australis* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xxi, sex not stated – “Nova Hollandia” (Paris).

DISTRIBUTION: Australia: New South Wales.

**australis borealis** Richards

*Paragia australis borealis* Richards, 1962, Revision. Study Masarid Wasps: 67, 71, female, male – “Queensland: 17 miles west of Morven” (holotype female, Canberra).

DISTRIBUTION: Australia: Queensland.

**bicolor** de Saussure

*Paragia bicolor* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xxi, sex not stated – “Nova Hollandia” (Paris).

DISTRIBUTION: Australia: New South Wales.

**calida** Smith

*Paragia calida* Smith, 1865, Trans. Entomol. Soc. London (3) 2: 392, male – “Adelaide” (London).

DISTRIBUTION: Australia: South Australia, Western Australia.

**deceptor** Smith

*Paragia deceptor* Smith, 1862, Trans. Entomol. Soc. London (3) 1: 56, female – “Australia” (London).

*Paragia deceptrix*; Schulz, 1906, Spolia Hym.: 213. Unnecessary emendation.

DISTRIBUTION: Australia: Queensland, New South Wales.

**decipiens aliciae** Richards

*Paragia decipiens aliciae* Richards, 1962, Revision. Study Masarid Wasps: 63, 64,

female, male –“Northern Territories: Alice Springs” (holotype female, London).

DISTRIBUTION: Australia: Northern Territory, Queensland.

**decipiens decipiens** Shuckard

*Paragia decipiens* Shuckard, 1837, Trans. Entomol. Soc. London 2: 82, pl. VIII, fig. 3, female –“New South Wales” (London).

DISTRIBUTION: Australia: New South Wales, Victoria, South Australia.

**generosa** Richards

*Paragia generosa* Richards, 1962, Revision. Study Masarid Wasps: 67, 69, female –“Queensland: 30 miles S.S.W. of Ayr” (Canberra).

DISTRIBUTION: Australia: Queensland.

**hirsuta** Meade-Waldo

*Paragia hirsuta* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 749, male –“Cairns, N. Queensland” (London).

DISTRIBUTION: Australia: Queensland.

**magdalena** Turner

*Paragia magdalena* Turner, 1908: 89, female –“MACKAY, Queensland” (London).

DISTRIBUTION: Australia: Queensland.

**mimetica** Richards

*Paragia mimetica* Richards, 1968, J. Aust. Entomol. Soc. 7: 101, 102, male, female –“WESTERN AUSTRALIA . . . 10 m. W. Watheroo” (holotype male, Canberra).

DISTRIBUTION: Australia: Western Australia.

**monocesta** Snelling

*Paragia monocesta* Snelling, 1986, Contrib. Sci. 378: 1, 15–16, figs. 27, 30, 31, female, male –“Western Australia . . . 10 km ESE Meedo Homestead, 25°40'S, 114°37'E” (holotype female, Perth).

DISTRIBUTION: Australia: Western Australia.

**morosa** Smith

*Paragia morosa* Smith, 1868, Trans. Entomol. Soc. London 1868: 251, female –“Champion Bay” (London).

DISTRIBUTION: Australia: Western Australia.

**nasuta** Smith

*Paragia nasuta* Smith, 1868, Trans. Entomol. Soc. London 1868: 252, female, male –“Champion Bay” (lectotype female, London).

DISTRIBUTION: Australia: Queensland, Western Australia.

**odyneroides** Smith

*Paragia odyneroides* Smith, 1850, Trans. Entomol. Soc. London (2) 1: 41, pl. 5, fig. 2, male –“Hunter River, New Holland” (London).

*Paragia bidens* de Saussure, 1855, Ét. Fam. Vesp. 3: 59, male –“L'Adélaïde, Nouvelle-Hollande” (London).

*Paragia praedator* de Saussure, 1855, Ét. Fam. Vesp. 3: 59, female –“Le sud de la Nouvelle-Hollande” (London).

DISTRIBUTION: Australia: Queensland, New South Wales, Victoria, South Australia.

**oligomera** Snelling

*Paragia oligomera* Snelling, 1986, Contrib. Sci. 378: 1, 13, female –“Western Australia . . . 10 km NE Wanneroo” (Perth).

DISTRIBUTION: Australia: Western Australia.

**perkinsi** Meade-Waldo

*Paragia perkinsi* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 750, female –“Cairns, N. Queensland” (London).

DISTRIBUTION: Australia: Queensland.

**propodealis** Richards

*Paragia propodealis* Richards, 1968, J. Aust. Entomol. Soc. 7: 101, 104, female –“NEW SOUTH WALES . . . Caldwell” (Canberra).

DISTRIBUTION: Australia: New South Wales.

**schulthessi** Turner

*Paragia schulthessi* Turner, 1936, Ann. Mag. Nat. Hist. (10) 18: 352, female –“Dedari, 40 miles west of Coolgardie, W. Australia” (London).

DISTRIBUTION: Australia: Western Australia.

**smithii** de Saussure

*Paragia tricolor* Smith, 1850, Trans. Entomol. Soc. London (2) 1: 41, male, not female.

*Paragia smithii* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. II fig. 1, female; 1855, Ét. Fam. Vesp. 3: 55 –“L'Australie Occidentale” (type depository unknown).

DISTRIBUTION: Australia: New South Wales, Victoria, South Australia, Western Australia.



**sobrina** Smith

*Paragia sobrina* Smith, 1869, Trans. Entomol. Soc. London 1869: 309, female – “Champion Bay” (London).

*Paragia excellens* Smith, 1869, Trans. Entomol. Soc. London 1869: 309, female, male – “Champion Bay” (lectotype female, London).

DISTRIBUTION: Australia: Western Australia.

**tricolor** Smith

*Paragia tricolor* Smith, 1850, Trans. Entomol. Soc. London (2) 1: 41, pl. 5, fig. 1, female not male – “Perth, W. Australia” (London).

*Paragia saussurii* Smith, 1857, Cat. Hym. Brit. Mus.: 2, female – “Perth” (London).

*Paragia saussurei*!; Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 5: 32; Richards, 1962, Revision. Study Masarid Wasps: 66, 294.

DISTRIBUTION: Australia: Western Australia.

**venusta** Smith

*Paragia venusta* Smith, 1865, Trans. Entomol. Soc. London (3) 2: 393, female – “Swan River” (London).

*Paragia concinna* Smith, 1868, Trans. Entomol. Soc. London 1868: 251, female – “Champion Bay” (London).

DISTRIBUTION: Australia: Western Australia.

**vespiformis** Smith

*Paragia vespiformis* Smith, 1865, Trans. Entomol. Soc. London (3) 2: 393, female – “Swan River” (London).

DISTRIBUTION: Australia: Western Australia.

**walkeri** Meade-Waldo

*Paragia walkeri* Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 5: 31, 33, male – “Adelaide River, Northern Territory” (London).

DISTRIBUTION: Australia: Northern Territory, Queensland.

SUBTRIBE MASARINA LATREILLE, 1802

Genus **Celonites** Latreille

*Celonites* Latreille, 1802, Hist. Nat. Crust. Insect. 3: 368, genus. TYPE SPECIES: *Masaris apiformis* Fabricius, 1793 (= *Vespa abbreviata* Villers, 1789), by monotypy. *Chelonites*! Leach, 1815, “Entomology” in Edinburgh Encyclop. IX(1): 154.

*Coelonites*! Blanchard, 1840, Hist. Nat. Anim. Artic. 3: 387.

*Paracelonites* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 108, subgenus of *Celonites* Latreille (6 species). Unavailable; no type species designated.

*Eucelonites* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 112, subgenus of *Celonites* Latreille (4 species). Unavailable; no Type species: designated.

*Eucelonites* Richards, 1962, Revision. Study Masarid Wasps: 214, 215, subgenus of *Celonites* Latreille. Validation by type selection of *Eucelonites* Kostylev, 1935. TYPE SPECIES: *Celonites cyprius* de Saussure, 1854, by original designation.

**abbreviatus abbreviatus** (Villers)

*Vespa abbreviata* Villers, 1789, C. Linn. Entomol. 3: 281, sex not stated – “Europa. In Gallia Australiori” (destroyed).

*Chrysis dubia* Rossi, 1790, Fauna Etrusca 2: 77, pl. VII, figs. x–xi, sex not stated [female] – “Provinciis Florentina et Pisana” (destroyed?).

*Cimbex vespiformis* Olivier, 1790, Encyc. Méth.: 772, sex not stated – “en France, en Italie . . . aux environs de Paris” (destroyed?).

*Masaris apiformis* Fabricius, 1793, Entomol. Syst. 2: 284, sex not stated – “in Italia” (Copenhagen).

*Celonites abbreviatus* var. *Hungaricus* Mocsáry, 1877, Termesz. Füzetek. 1: 90, female – “Hungaria centrali” (Budapest?).

*Celonites abbreviatus* var. *engadinensis* von Schulthess, 1923, in Michaelsen, Beitr. Kennt. Land-u. Süßwasser. Deutsch-Südwestafri. 2(2), Hym. VI Vesp.: 139, male, female – “Schweiz. Alpengebiet, Ober-Engadin, Sils Baseltgia” (Zürich).

DISTRIBUTION: Germany; Austria; Hungary; Switzerland; France; Spain; Portugal; Italy; Croatia; Albania; Bulgaria; Greece: Corfu; Cyprus; Turkey; Israel; Morocco.

**abbreviatus tauricus** Kostylev

*Celonites abbreviatus tauricus* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 108, female (in subgenus *Celonites*) – “Крым”Crimea] (St. Petersburg?).

DISTRIBUTION: Ukraine.

**afer** Lepeletier

*Celonites afer* Lepeletier, 1841, Hist. Nat. Insect. Hym. 2: 585, female –“Oran” (Paris?).

DISTRIBUTION: Morocco; Algeria; Tunisia; Libya.

**andrei** Brauns

*Celonites Andréi* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 228, female –“Terra Capensis: Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**bergenwahliae** Gess

*Celonites bergenwahliae* Gess, 1989, Ann. Cape Prov. Mus. (Nat. Hist.) 18: 83, figs. 8–9, 12–13, 91, female, male –“Cape Province: Clanwilliam District, Klein Alexandershoek (32°20'20"S, 18°46'E)” (holotype female, Grahamstown); also from 5 km W of Clanwilliam.

DISTRIBUTION: South Africa: Western Cape.

**capensis** Brauns

*Celonites capensis* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 231, female –“Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**clarus** Gusenleitner

*Celonites clarus* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 60, 66, female –“Iran, Teheran, Steppa presso Chitgar, 18 km W Teheran” (Venice).

DISTRIBUTION: Iran.

**clypeatus** Brauns

*Celonites clypeatus* Brauns, 1913, Entomol. Mitt., Berlin 2: 206, female –“Willowmore” (Pretoria).

DISTRIBUTION: Namibia\*; South Africa: Northern Cape\*, Eastern Cape.

**crenulatus** Morawitz

*Celonites crenulatus* Morawitz, 1888, Horae Soc. Entomol. Ross. 22: 267, female –“in territorio transcaspico (Kiltitschinar)” (St. Petersburg?).

DISTRIBUTION: Iran\*; Turkmenistan.

**cyprius cyprius** de Saussure

*Celonites cyprius* de Saussure, 1854, Mém. Soc. Phys. Hist. Nat. Genève 14: 4, male –“l'Ille de Chypre” (Geneva?).

DISTRIBUTION: Cyprus.

**cyprius smyrnensis** Richards

*Celonites cyprius smyrnensis* Richards, 1962, Revision. Study Masarid Wasps: 218 (key), 232, female, male –“Turkey: near Smyrna, Burnova” (holotype female, London); also from Israel (Greece: Rhodes mentioned in key).

DISTRIBUTION: Greece: Thessalia, Peloponnisos, Rhodes; Turkey; Armenia; Iran; Syria; Lebanon; Israel.

**davidi** Gess

*Celonites davidi* Gess, 1989, Ann. Cape Prov. Mus. (Nat. Hist.) 18: 83, fig. 14, 92, male –“Cape Province: Namaqualand, Anenous (29°15'30"S, 17°34'45"E)” (Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

**discretus** Gusenleitner

*Celonites discretus* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 60, figs. 3a, 4b, 62, female –“Iran, Fars, Monti steppiti 5 km N di Persepolis” (Venice).

DISTRIBUTION: Iran.

**fischeri** Spinola

*Celonites fischeri* Spinola, 1838, Ann. Soc. Entomol. France 7: 505, female –“Egypte” (type depository unknown).

?*Celonites savignyi* de Saussure, 1855, Ét. Fam. Vesp. 3: 91 –“Description de l'Égypte. Hymen. Pl. IX, fig. 19, ♀ ♂” (type depository unknown).

DISTRIBUTION: Algeria; Tunisia; Libya; Egypt; Cyprus; Israel; Saudi Arabia.

**foveolatus foveolatus** Kostylev

*Celonites foveolatus* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 111, 112, male, female (in subgenus *Paracelonites*) –“Закаспийские пустыни” [Zakaspian desert] (Moscow, St. Petersburg?).

DISTRIBUTION: Turkmenistan.

**foveolatus nigrior** Richards

*Celonites foveolatus nigrior* Richards, 1962, Revision. Study Masarid Wasps: 218 (key), 234, female –“Israel: Jericho” (Oxford).

DISTRIBUTION: Turkey; Israel.

**gariensis** Gess

*Celonites gariensis* Gess, 1997, J. Hym. Res. 6: 36, 41, figs. 1–6, female, male –

“Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown); also from two other localities in Richtersveld.

DISTRIBUTION: South Africa: Northern Cape.

**guichardi** Richards

*Celonites guichardi* Richards, 1962, Revision. Study Masarid Wasps: 218 (key), 233, female – “Libya: Fezzan, El Manakh (50 m. N.W. of Edri)” (London).

DISTRIBUTION: Libya.

**hamanni** Gusenleitner

*Celonites hamanni* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 60, 65, 66, fig. 6, female, male – “Türkei Mut” (holotype female, Linz).

*Celonites hammani*[!]; Yildirim and Özbek, 1997, Atatürk. Ü. Zir. Fak. Der. 28 (2): 224.

DISTRIBUTION: Turkey; Syria; Jordan.

**hellenicus** Gusenleitner

*Celonites hellenicus* Gusenleitner, 1997, Linz. Biol. Beitr. 29(1): 109, 110 (key), 112, male, female (in subgenus *Eucelonites*) – “Hellas: Ano Karmes, (Likeo Bgl.)” (holotype male, BOL); also from elsewhere in Greece.

DISTRIBUTION: Greece.

**humeralis** Richards

*Celonites humeralis* Richards, 1962, Revision. Study Masarid Wasps: 219, 236, female – “Cape Province: near Calvinia, Bloukrans” (London); also from Nieuwoudtville.

DISTRIBUTION: South Africa: Northern Cape.

**hystrix** Kostylev

*Celonites hystrix* Kostylev, 1940, Bull. Soc. Nat. Moscou (Biol.) 49: 138, female, male (in subgenus *Eucelonites*) – “Kondara, Chaîne Ghissar, 30 km vers le N de Stalinabad (autrefois Duchambé), 1 100 m au -d. du niv. de la mer” (coll. Gussakovskii, St. Petersburg).

DISTRIBUTION: Tajikistan.

**jousseamei jousseamei** du Buysson

*Celonites jousseamei* du Buysson, 1906, Rev. Entomol., Caen 25: 104, female, male – “Obock, Djibouti, Tadjourah” (Paris).

*Celonites Jousseamei*[!]; von Schulthess,

1923, in Michaelsen, Beitr. Kennt. Land-u. Süßwasser. Deutsch-Südwestafri. 2(2), Hym. VI Vesp.: 140.

*Celonites jousseamei asrensis* Giordani Sotkata, 1957, Brit. Mus. Exped. S.-W. Arabia 1(31): 472, female – “YEMEN: ‘Asr, about 3 miles west of San’a, 8100 ft.” (London).

DISTRIBUTION: Algeria; Sudan; Djibouti; Israel; Saudi Arabia; Yemen; Oman; United Arab Emirates; Qatar.

**jousseamei senegalensis** Richards

*Celonites jousseamei senegalensis* Richards, 1962, Revision. Study Masarid Wasps: 216 (key), 224, female, male – “Senegal: Bambey” (holotype female, Paris).

DISTRIBUTION: Senegal; Mali; Djibouti.

**kostylevi** Panfilov

*Celonites kostylevi* Panfilov, 1961, Arch. Mus. Zool. Univ. Moscou 8: 165, female, male (in subgenus *Celonites*) – “Киргизия: западное побережье оз. Иссык-Куль, урочище Ак-Улен” [Kirghizia: east bank of Issyk-Kul’ lake, forest valley Ak-Ulen] (Moscow).

DISTRIBUTION: Kyrgyzstan.

**kozlovi** Kostylev

*Celonites kozlovi* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 110 (in subgenus *Paracelonites*) – “Рустьня Гоби (Монголия)” [Gobi Desert, Mongolia] (St. Petersburg?).

DISTRIBUTION: Mongolia.

**laetus** Panfilov

*Celonites laetus* Panfilov, 1968, Arch. Zool. Mus. Moscow State Univ. 11: 40, fig. 3, female – “Закавказье: Нахичевань, окрестности Джульфы, пустынные предгорья” [Transcaucasia: Nakhichevan’, vicinity of Dzhulfafa, desert foothills] (Moscow).

DISTRIBUTION: Azerbaijan.

**latitarsis** Gess

*Celonites latitarsis* Gess, 1992, J. Hym. Res. 1: 141, figs. 1–5, female, male – “Cape Province: Clanwilliam District, 11 km W of Clanwilliam on road to Graafwater” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Western Cape.

**lobeliae** Gess

*Celonites lobeliae* Gess, 1997, J. Hym. Res. 6: 36, 46, figs. 13–14, female, male –

“Cape Province: Betw[een] Nieuwoudtville and top of Vanrhyns Pass” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

**longipilis** Gusenleitner

*Celonites longipilis* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 59, figs. 3b, 4a, female –“Iran, Fers [Fars], Monti steppici 5 km N di Persepolis” (Venice).

DISTRIBUTION: Iran.

**mayeti** Richards

*Celonites mayeti* Richards, 1962, Revision. Study Masarid Wasps: 222 (key), 243, figs. 202, 208, 211, female, male –“France: Bouches-du-Rhône, Camargue” (holotype male, Paris); also from other localities in France and Spain.

DISTRIBUTION: France; Spain.

**michaelseni** von Schulthess

*Celonites Michaelseni* von Schulthess, 1923, in Michaelsen, Beitr. Kennt. Land.-u. Süswasser. Deutsch-Südwestafri. 2(2), Hym. VI Vesp.: 137, male –“Windhuk” (Hamburg?).

DISTRIBUTION: Namibia.

**modestus biinterruptus** Kostylev

*Celonites modestus biinterruptus* Kostylev, 1940, Bull. Soc. Nat. Moscou (Biol.) 49: 138, female, male (in subgenus *Paracelonites*) –“Ruidacht, 40 km. de Stalinabad” (coll. Gussakovskii, St. Petersburg).

*Celonites modestus bisinterruptus*!; Richards, 1962, Revision. Study Masarid Wasps: 247.

DISTRIBUTION: Tajikistan.

**modestus modestus** Kostylev

*Celonites modestus* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 110 (in subgenus *Paracelonites*) –“Памир, Хребет Петра Великого” [Pamir, Mountains of Peter the Great] (St. Petersburg?).

DISTRIBUTION: Tajikistan.

**montanus** Mocsáry

*Celonites montanus* Mocsáry, 1906, Ann. Hist.-Nat. Mus. Hung. 4: 198, male –“Turkistan: Alai montes” (Budapest).

DISTRIBUTION: Kyrgyzstan; China: Xinjiang.

**nursei** Dover

*Celonites nursei* Dover, 1925 (1924), J. Proc. Asiat. Soc. Bengal (n. ser.) 20(6): 289, fig. 1, female –“Quetta” (London).

DISTRIBUTION: Pakistan.

**octoannulatus hissaricus** Kostylev

*Celonites octoannulatus hissaricus* Kostylev, 1940, Bull. Soc. Nat. Moscou (Biol.) 49: 137, female, male (in subgenus *Paracelonites*) –“Ruidacht, 40 km vers le N de Stalinabad (autrefois Duchambé). 3000 m. au-dessus du niv. de la m.” (coll. Gussakovskii, St. Petersburg).

DISTRIBUTION: Tajikistan.

**octoannulatus octoannulatus** (Kuznetsov)

*Saryara octoannulata* Kuznetsov, 1923, J. Turkestan Branch Russ. Geogr. Soc. 16: 127, female, male –“Montes Ac-Tasch, distr. Taschkent, Turkestan. Alt 7500” (St. Petersburg).

DISTRIBUTION: Uzbekistan.

**osseus** Morawitz

*Celonites osseus* Morawitz, 1888, Horae Soc. Entomol. Ross. 22: 268, female –“in territorio transcaspico (Tschikischljar)” (St. Petersburg?).

DISTRIBUTION: Armenia; Turkmenistan.

**pelioستي** Gess

*Celonites pelioستي* Gess, 1989, Ann. Cape Prov. Mus. (Nat. Hist.) 18: 83, figs. 1–5, female, male –“Cape Province: Namaqualand, Springbok, Hester Malan Nature Reserve” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

**persicus** Richards

*Celonites persicus* Richards, 1962, Revision. Study Masarid Wasps: 221 (key), 241, female –“South West Persia: K. Sefid” (London).

DISTRIBUTION: Iran.

**phlomis** Gusenleitner

*Celonites phleomis*!; Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 60, fig. 3c. Incorrect original spelling.

*Celonites phlomis* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 61, 63, fig. figs. 4c, 5, female, male –“Türkei, Urfa” (holotype female, Linz).

DISTRIBUTION: Turkey.

**pictus pictus** Richards

*Celonites pictus* Richards, 1962, Revision. Study Masarid Wasps: 217 (key), 226, figs.

176–177, male –“Senegal: Bambey” (Paris).

DISTRIBUTION: Senegal; Morocco; Saudi Arabia; Oman.

**pictus rufiventris** Gusenleitner

*Celonites pictus rufiventris* Gusenleitner, 1992, *Linz. Biol. Beitr.* 24(1): 59, 60, female –“Iran, Bandar Abbas (Strand)” (Linz).

DISTRIBUTION: Iran.

**promontorii** Brauns

*Celonites promontorii* Brauns, 1905, *Ann. Mus. Natl. Hung.* 3: 232, female –“Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Eastern Cape, Free State.

**purcelli** Brauns

*Celonites Purcelli* Brauns, 1905, *Ann. Mus. Natl. Hung.* 3: 226, female, male –“Terra Capensis: Willowmore” (Pretoria).

*Celonites purcelli* var. *flavomaculatus* Brauns, 1913, *Entomol. Mitt.*, Berlin 2: 205, male –“Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Eastern Cape.

**rothschildi** du Buysson

*Celonites rothschildi* du Buysson, 1906, *Rev. Entomol.*, Caen 25: 105, male –“Afrique orientale anglaise: Lesammise, Rendilé” (Paris).

*Celonites Rotschildi*[!]; von Schulthess, 1923, in Michaelsen, *Beitr. Kennt. Land- u. Süßwasser. Deutsch-Südwestafr.* 2(2), *Hym. VI Vesp.*: 140.

DISTRIBUTION: Kenya; Iran?

**rudesculptus** Kostylev

*Celonites rudesculptus* Kostylev, 1935, *Arch. Mus. Zool. Univ. Moscou* 2: 109 (in subgenus *Paracelonites*) –“Армения” [Armenia] (St. Petersburg?).

DISTRIBUTION: Armenia.

**rugiceps** Bischoff

*Celonites rugiceps* Bischoff, 1928, *Abhand. Naturwiss. Verein. Bremen* 27 (1): 86, female –“Kreta” (Berlin); also from mainland Greece; Turkey.

DISTRIBUTION: Croatia; Yugoslavia; Bulgaria; Greece: Argos, Crete; Cyprus; Turkey.

**semenovi** Kostylev

*Celonites semenovi* Kostylev, 1935, *Arch. Mus. Zool. Univ. Moscou* 2: 112 (in sub-

genus *Eucelonites*) –“Персия” [Persia] (St. Petersburg?).

DISTRIBUTION: Iran.

**spinusos** Gusenleitner

*Celonites spinusos* Gusenleitner, 1966, *Pol-skie Pismo Entomol.* 36: 359, fig. 2, male, female –“Kusadasi” (holotype female, Linz); also from other localities in Turkey.

*Celonites abbreviatus invitus* Gusenleitner, 1973, *Boll. Mus. Civ. Stor. Nat. Venezia* 24: 58, fig. 2b, female, male –“Türkei, Gürün” (holotype female, Linz); also from elsewhere in Turkey, and Armenia.

DISTRIBUTION: Turkey; Armenia.

**tristiculus karataucicus** Kostylev

*Celonites tristiculus karataucicus* Kostylev, 1935, *Arch. Mus. Zool. Univ. Moscou* 2: 111, male (in subgenus *Paracelonites*) – [Kara Tau] (St. Petersburg?).

DISTRIBUTION: Kazakhstan.

**tristiculus tristiculus** Kostylev

*Celonites tristiculus* Kostylev, 1935, *Arch. Mus. Zool. Univ. Moscou* 2: 111, female, male (in subgenus *Paracelonites*) – “Фергана. Сыр-Дарья” [Fergana. Syr Darya] (Moscow, St. Petersburg?).

DISTRIBUTION: Uzbekistan.

**tumidiscutellatus** Gess

*Celonites tumidiscutellatus* Gess, 1997, *J. Hym. Res.* 6: 36, 44, figs. 7–12, female, male –“Cape Province: Namaqualand, Springbok, Hester Malan [now Goegap] Nature Reserve” (holotype female, Grahamstown); also from three other localities in Namaqualand, and Eastern Cape.

DISTRIBUTION: South Africa: Northern Cape, Eastern Cape.

**turneri** Richards

*Celonites turneri* Richards, 1962, *Revision. Study Masarid Wasps*: 221 (key), 238, figs. 195–197, male –“Cape Province: Aliwal North” (London).

DISTRIBUTION: South Africa: Western Cape,\* Eastern Cape.

**varipennis** Richards

*Celonites varipennis* Richards, 1962, *Revision. Study Masarid Wasps*: 219 (key), 239, fig. 200, female, male –“Libya: Tibesti, Enneri Meche” (holotype male, London).

DISTRIBUTION: Libya.

**wahlenbergiae** Gess

*Celonites wahlenbergiae* Gess, 1989, Ann. Cape Prov. Mus. (Nat. Hist.) 18: 83, figs. 6–7, 10–11, 87, female, male –“Cape Province: Clanwilliam District, Clanwilliam Dam” (holotype female, Grahams-town).

DISTRIBUTION: South Africa: Western Cape.

**wheeleri** Brauns

*Celonites Wheeleri* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 230, female, male –“Terra Capensis: Willowmore” (Pretoria).

*Celonites wheeleri* var. *immaculatus* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 230, female –“Terra Capensis: Willowmore” (Pretoria).

DISTRIBUTION: Namibia\*; South Africa: Eastern Cape.

**yemenensis ethiopicus** Richards

*Celonites yemenensis ethiopicus* Richards, 1962, Revision. Study Masarid Wasps: 217 (key), 228, female –“Ethiopia: Diredawa” (London).

DISTRIBUTION: Ethiopia.

**yemenensis yemenensis** Giordani Soika

*Celonites yemenensis* Giordani Soika, 1957, Brit. Mus. Exped. S.-W. Arabia 1(31): 472, fig. 1, male, female –“YEMEN: Ta'izz, on road to Mocha, 4100 ft.” (holotype male, London).

*Celonites yemenensis yemensis* [!]; Richards, 1969, J. Nat. Hist. 3: 82.

DISTRIBUTION: Saudi Arabia; Yemen.

**zavattarii** Giordani Soika

*Celonites zavattarii* Giordani Soika, 1944, Atti Inst. Ven. Sci. Lett. Art. 103(2): 149, female –“Etiopia: Asile” (lectotype female, Venice); also from Caschei.

DISTRIBUTION: Ethiopia.

Genus **Ceramiopsis** Zavattari

*Ceramiopsis* Zavattari, 1910, Ann. Mus. Civ. Stor. Nat. Genova 44: 531, genus. TYPE SPECIES: *Ceramiopsis gestroi* Zavattari, 1910, by monotypy.

**gestroi** Zavattari

*Ceramiopsis gestroi* Zavattari, 1910, Ann. Mus. Civ. Stor. Nat. Genova 44: 533, figs.

A, B, female –“Urucú, Corumbà (Matto Grosso)” (Genova).

DISTRIBUTION: Bolivia: Santa Cruz; Brazil: Mato Grosso do Sul; Paraguay: Guairá, Paraguairí, San Pedro; Argentina: Formosa, Santa Fé, Entre Rios.

**paraguayensis** Bertoni

*Ceramiopsis paraguayensis* Bertoni, 1921, Rev. Soc. Cient. Paraguay 1: 11, female, male –“Asunción, ‘Quinta Caballero’” (San Lorenzo).

DISTRIBUTION: Bolivia: Santa Cruz; Paraguay: Alto Paraguay, Presidente Hayes, Central, Paraguairí; Argentina: Formosa.

Genus **Ceramius** Latreille

*Ceramius* Latreille, 1810, Consid. Gén. Crust. Arach. Insect.: 329, 438. TYPE SPECIES: *Ceramius fonscolombei* Latreille, 1810, by original designation.

*Gnatho* Klug, 1810, Mag. Ges. Naturf. Fr. Berl. 4: 32, 36, genus. Non Illiger, 1807 (Coleoptera). TYPE SPECIES: *Gnatho lichtensteinii* Klug, 1810, by monotypy.

*Ceramius* [!] Westwood, 1840, Introd. Modern Class. Insect. 2: 237.

*Ceramius* [!] Westwood, 1840, Introd. Modern Class. Insect. 2: 243.

*Paraceramius* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III; 1855, Ét. Fam. Vesp. 3: 67, division of genus *Ceramius* Latreille (4 species). TYPE SPECIES: *Ceramius spiricornis* de Saussure, 1854, by subsequent designation of Ashmead, 1902, Can. Entomol. 34: 220.

*Ceramioides* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. IV no. 1; 1855, Ét. Fam. Vesp. 3: 71, division of genus *Ceramius* Latreille; 1855: 71, division III of genus *Ceramius*. TYPE SPECIES: *Ceramius cerceriformis* de Saussure, 1854, by monotypy.

*Euceramius* Dalla Torre, 1904, Genera Insect. 19: 5, name for division I of *Ceramius* Latreille in de Saussure, 1854, Ét. Fam. Vesp. 3: pl. II, 1855, Ét. Fam. Vesp. 3: 62 (3 species). TYPE SPECIES: *Ceramius fonscolombei* Latreille, by subsequent designation of van der Vecht and Carpenter, 1990, Zool. Verh., Leiden 260.

**auctus** (Fabricius)

*Liris aucta* Fabricius, 1804, Syst. Piezot.: 229, sex not stated –“in Tangier” (female Copenhagen).

*Ceramius spiricornis* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xx. *Nomen nudum*.

*Ceramius spiricornis* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III, fig. 5, male; 1855, Ét. Fam. Vesp. 3: 68 –“L'Europe méridionale, la France, l'Espagne” (Paris).

DISTRIBUTION: Morocco; Algeria.

**beaumonti** (Giordani Soika)

*Paraceramius beaumonti* Giordani Soika, 1957, Bull. Soc. Sci. Nat. Phys. Maroc 37: 168, figs. 1, 3, 5, male, female –“Asni” (holotype male, Venice); also from elsewhere in Morocco.

DISTRIBUTION: Algeria; Morocco.

**beyeri** Brauns

*Ceramius Beyeri* Brauns, 1903, Z. Syst. Hym. Dipt. 3(2): 69, female, male –“Willowmore . . . Steytlerville in der Karroo des Caplandes” (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape.

**bicolor** (Thunberg)

*Philanthus bicolor* Thunberg, 1815, Nova Acta Reg. Soc. Sci. Uppsala 7: 127, 131, 289, sex not stated (male, Uppsala).

*Ceramius Karrooensis* Brauns, 1902, Z. Syst. Hym. Dipt. 2(5–6): 282, female, male –“Willowmore im Capland” (Pretoria).

*Ceramius karoensis*[!]; Brauns, 1910, Z. Wiss. Insektenbiol. 6(11): 387.

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape.

**bischoffi** Richards

*Ceramius bischoffi* Richards, 1963, Zool. Meded. 38: 216, fig. 2, male, female –“Spain: Tornavacas, prov. Cáceres, 1200 m” (holotype male, Leiden); also from elsewhere in Spain.

DISTRIBUTION: Spain.

**braunsi** Turner

*Ceramius braunsi* Turner, 1935, Ann. Mag. Nat. Hist. (10) 15: 291 (key), 294, fig. 2, male, female –“Olifant's River, between

Citrusdal and Clanwilliam” (holotype male, Cape Town).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**brevitarsis** Gess

*Ceramius brevitarsis* Gess, 1997, J. Hym. Res. 6: 36, 37, female, male –“Cape Province: Namaqualand, Richtersveld N[ational] Park, bet[ween] hills (28.10S, 17.02E), NW Koeroegabvlakte” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

**buresschi** Atanassov

*Ceramius buresschi* Atanassov, 1938, Mitt. K. Naturwiss. Inst. Sofia 11: 114, figs. 1, 2a, 3a, 4a, 5a, 6a, male –“Bulgarien, im Park des Palais Wrana bei Sofia” (Sofia).

*Ceramius buresschi lycaonius* Blüthgen, 1952, Mitt. Münch. Entomol. Ges. 42: 18, male, female –“Attika” (holotype male, Berlin).

DISTRIBUTION: Bulgaria; Greece; Turkey.

**caffer** de Saussure

*Ceramius caffer* de Saussure, 1855, Ét. Fam. Vesp. 3: 76, female –“Cap de Bonne-Espérance” (Torino).

*Ceramius consobrinus* de Saussure, 1855, Ét. Fam. Vesp. 3: 77, female –“Cap de Bonne-Espérance” (Torino).

DISTRIBUTION: South Africa: Western Cape.

**capensis** de Saussure

*Ceramius capensis* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III, figs. 3–3a, female; 1855, Ét. Fam. Vesp. 3: 66 –“Cap de Bonne-Espérance” (Turin?).

DISTRIBUTION: South Africa: Western Cape.

**capicola** Brauns

*Ceramius capicola* Brauns, 1902, Z. Syst. Hym. Dipt. 2(5): 278, female, male –“Willowmore” [“Hier”] (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape, Free State.

**caucasicus** André

*Ceramius caucasicus* André, 1884, Spec. Hym. Europe Algérie II: 820, male –“Caucase” (Paris?).

DISTRIBUTION: Iran; Armenia; Turkey.

**cerceriformis** de Saussure

*Ceramius cerceriformis* de Saussure, 1853, Ann. Soc. Entomol. France (3), Bull. II:

xxi, male –“Cap de Bonne-Espérance” (Torino).

*Ceramius vespiformis* de Saussure, 1855, Ét. Fam. Vesp. 3: 79, female –“Cap de Bonne-Espérance” (Torino).

*Ceramius Schulthessi* Brauns, 1902, Z. Syst. Hym. Dipt. 2 (3): 182, female –“Willowmore, Capland” (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape.

#### **clypeatus** Richards

*Ceramius clypeatus* Richards, 1962, Revision. Study Masarid Wasps: 83, 88 (key), 99, male –“Clan William” (Pretoria).

DISTRIBUTION: South Africa: Western Cape.

#### **damarinus** Turner

*Ceramius damarinus* Turner, 1935, Ann. Mag. Nat. Hist. (10) 15: 292 (key), 293, male, female –“Ongandjera, S.W. Africa . . . Kamanyab” (holotype male, Cape Town).

DISTRIBUTION: Namibia.

#### **fonscolombeii fonscolombeii** Latreille

*Ceramius fonscolombeii* Latreille, 1810, Consid. Gén. Crust. Arach. Insect.: 438, sex not stated [male] –“aux environs d’Aix” [p. 329] (Paris).

DISTRIBUTION: France; Spain; Portugal.

#### **fonscolombeii oraniensis** Lepeletier

*Ceramius Oraniensis* Lepeletier, 1841, Hist. Nat. Insect. Hym. 2: 591, female, male –“Oran” (Paris).

*Ceramius Doursii* André, 1884, Spec. Hym. Europe Algérie II: 818, female, male –“Algérie” (type depository unknown).

DISTRIBUTION: Morocco; Algeria.

#### **gessi** Mauss

*Ceramius maroccanus gessi* Mauss, 1998, Beitr. Hym.-Tag. Stuttgart (2–4.10.1998): 18. *Nomen nudum*.

*Ceramius gessi* Mauss, 1999, Entomol. Scand. 30: 323, 331 (key), 340, figs. 1c, 2c, 3c, 3f, i, 4c, 4g, 4j, 5d–f, 7b, 8c, 9c, 10–11, female, male –“Morocco, 10 km W Tiznit, 29°43’N 09°50’W” (holotype male, BOL); also from elsewhere in Morocco.

DISTRIBUTION: Morocco.

#### **hispanicus** Dusmet

*Ceramius hispanicus* Dusmet, 1909, Act. Mem. Primer Congr. Nat. Españ., Zaragoza

za, 1908: 179, 180, female, male –“Madrid! y Montarco! (en Madrid). –Jaramiel! (en Valladolid)” (Madrid).

DISTRIBUTION: Spain.

#### **jacoti** Richards

*Ceramius nigripennis* de Saussure; Brauns, 1913, Entomol. Mitt., Berlin 2: 201, pl. 2, fig. 3, male. Misidentification.

*Ceramius jacoti* Richards, 1962, Revision. Study Masarid Wasps: 83, 89 (key), 101, male, female –“Cape Province: Ladismith” (holotype male, London); also from Montagu.

DISTRIBUTION: South Africa: Western Cape.

#### **lichtensteinii** (Klug)

*Gnatho Lichtensteinii* Klug, 1810, Mag. Ges. Naturf. Fr. Berlin 4: 38, pl. 1 figs. 3, e, f, female –“Cap” (Berlin?).

*Ceramius macrocephalus* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III figs. 2, 2a, 2c, female; 1855, Ét. Fam. Vesp. 3: 76 –“Cap de Bonne-Espérance” (Paris).

*Ceramius rufomaculatus* Cameron, 1906, Trans. South African Philos. Soc. 16(4): 325, female –“Pearston, Cape Colony” (London).

DISTRIBUTION: Namibia?; South Africa: Northern Cape, Western Cape, Eastern Cape, Free State.

#### **linearis** Klug

*Ceramius linearis* Klug, 1824, Entomol. Monogr.: 227, male –“Prom. bonae spei, Distr. Vitenhagen” (Berlin).

*Ceramius fumipennis* Brauns, 1902, Z. Syst. Hym. Dipt. 2(5): 275, female, male –“Karroosteppe und . . . Port Elizabeth nahe der Küste” (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape.

#### **lusitanicus** Klug

*Ceramius lusitanicus* Klug, 1824, Entomol. Monogr.: 223, 230, sex not stated –“Lusitania” (Berlin).

*Ceramius lusitanicus* var. *luteo-clypeata* Dusmet, 1909, Act. Mem. Primer Congr. Nat. Españ., Zaragoza, 1908: 179, 180, male –“Montarco! (en Madrid)” (Madrid).

DISTRIBUTION: Spain; Portugal; Gibraltar.

#### **maroccanus** (Giordani Soika)

*Paraceramius maroccanus* Giordani Soika, 1957, Bull. Soc. Sci. Nat. Phys. Maroc 37:



170, figs. 6, 8, 11–12, female, male –“Mogador” (holotype male, Venice); also from elsewhere in Morocco.

DISTRIBUTION: MOROCCO.

**metanotalis** Richards

*Ceramius metanotalis* Richards, 1962, Revision. Study Masarid Wasps: 83, 86 (key), 106, fig. 114, female –“Cape Province: Calvinia” (London); also from Nieuwoudtville.

DISTRIBUTION: South Africa: Northern Cape, Western Cape.

**micheneri** Gess

*Ceramius micheneri* Gess, 1968, Novos Taxa Entomol. 57: 3, figs. 1–6, male, female –“Cape Province: Citrusdal” (holotype male, Cape Town); also from Olifants River between Klawer and Clanwilliam.

DISTRIBUTION: South Africa: Western Cape.

**montanus** Gusenleitner

*Ceramius montanus* Gusenleitner, 1990, Linz. Biol. Beitr. 22(2): 565, 567, fig. 2, male, female –“Marokko, Hoher Atlas, Oukaimeden, 2600–2800 m” (Linz); also from elsewhere in Morocco.

DISTRIBUTION: MOROCCO.

**nigripennis** de Saussure

*Ceramius nigripennis* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III figs. 4, 4c, female; 1855, Ét. Fam. Vesp. 3: 69 –“Cap de Bonne-Espérance” (Torino).

*Ceramius hessei* Turner, 1935, Ann. Mag. Nat. Hist. (10) 15: 291 (key), 296, fig. 1, male, female –“Kamieskroon, Namaqualand” (holotype male, Cape Town).

DISTRIBUTION: South Africa: Northern Cape, Western Cape.

**palaestinensis** (Giordani Soika)

*Paraceramius palaestinensis* Giordani Soika, 1957, Bull. Soc. Sci. Nat. Phys. Maroc 37: 172, female –“Palestine: Ein Geb” (Venice).

*Ceramius palaestinensis*[!]; Yildirim and Özbek, 1997, Atatürk. Ü. Zir. Fak. Der. 28 (2): 225; Yildirim and Kojima, 1999, Nat. Hist. Bull. Ibaraki Univ. 3: 20.

DISTRIBUTION: Israel; Syria; Turkey.

**peringueyi** Brauns

*Ceramius Péringueyi* Brauns, 1913, Entomol. Mitt., Berlin 2: 194, female –“in der Nähe der Capstadt” (Pretoria).

DISTRIBUTION: South Africa: Western Cape.

**rex** de Saussure

*Ceramius rex* de Saussure, 1855, Ét. Fam. Vesp. 3: 75, female –“Cap de Bonne-Espérance” (Turin?).

DISTRIBUTION: South Africa: Western Cape, Northern Cape.

**richardsi** Gess

*Ceramius peringueyi* Brauns; Richards, 1962, Revision. Stud. Masarid. Wasps: 100, male. Misidentification.

*Ceramius richardsi* Gess, 1965, Ann. S. Afr. Mus. 48: 219, 221, male, female –“Cape Province: Clanwilliam” (holotype male, Pretoria); also from Paleisheuwel.

DISTRIBUTION: South Africa: Western Cape.

**rubripes** Gusenleitner

*Ceramius maroccanus rubripes* Gusenleitner, 1990, Linz. Biol. Beitr. 22(2): 565, 566, female –“Marokko, Anezal, Col de Tizin Bachoom, 1500 m, 7°3W 30°7N” (coll. H. Tussac); also from elsewhere in Morocco.

DISTRIBUTION: MOROCCO.

**socius** Turner

*Ceramius socius* Turner, 1935, Ann. Mag. Nat. Hist. (10) 15: 291 (key), 297, male, female –“Worcester, Cape Province” (holotype male, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape.

**toriger** von Schulthess

*Ceramius toriger* von Schulthess, 1935, Ann. Mag. Nat. Hist. (10) 16: 383, female –“South Africa, Cape Colony . . . St. Rhynspass” (London); also from elsewhere in Northern Cape.

DISTRIBUTION: South Africa: Northern Cape.

**tuberculifer** de Saussure

*Ceramius tuberculifer* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xx. *Nomen nudum*.

*Ceramius tuberculifer* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. III fig. 6, male; 1855, Ét. Fam. Vesp. 3: 69, as a synonym of *lusitanicus* Klug –“L’Espagne, le midi de la France” (Paris).

*Ceramius lusitanicus* Klug; de Saussure, 1855, Ét. Fam. Vesp. 3: 69, male, female (in part). Misidentification.

DISTRIBUTION: France; Spain.

**vechti** Richards

*Ceramius vechti* Richards, 1963, Zool. Meded. 38: 213, fig. 1, male, female –“Spain: Tornavacas, prov. Cáceres, 1200 m” (holotype male, Leiden); also from elsewhere in Spain.

DISTRIBUTION: Spain.

Genus **Jugurtia** de Saussure

*Jugurtia* de Saussure, July 1854, Ét. Fam. Vesp. 3: 19, 37, 42–44, generic and specific characters of *J. numidica* and *J. oranienensis*; pl. I fig. 4, antenna of *J. oranienensis*; genus. TYPE SPECIES: *Celonites oranienensis* Lepeletier, 1841, by subsequent designation of Ashmead, 1902, Can. Entomol. 34: 220.

*Jugurthia* [!] André, 1886, Spec. Hym. Europe Algérie II, Cat. Méthod. Syn.: 47.

*Jugurthia* Dalla Torre, 1894, Cat. Hym. 9: 5; E. Saunders, 1905, Trans. Entomol. Soc. London: 399. Unnecessary emendation of *Jugurtia* de Saussure, 1854.

*Jugurtha* [!] Ashmead, 1902, Can. Entomol. 34: 220.

*Masariella* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 223, genus. TYPE SPECIES: *Masariella alfkeni* du Buysson, 1904, by monotypy.

*Ceramiellus* von Schulthess, 1922, Deutsch. Entomol. Z. 1922: 401, genus. TYPE SPECIES: *Ceramiellus braunsi* von Schulthess, 1922, by monotypy.

*Jugurtia* [!] Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 68.

**alfkeni** (du Buysson)

*Masaris alfkeni* du Buysson, 1904, Bull. Soc. Entomol. France: 144, female –“Damara land, Swakopmund” (Bremen).

DISTRIBUTION: Namibia.

**algerica** (von Schulthess)

*Masariella?* *algerica* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 499 (key), 501, fig. 2, female –“Algeria occidentalis, Ain Sefra, . . . Ain Fezza” (Zürich).

DISTRIBUTION: Morocco; Algeria; Libya.

**biskrensis** Bequaert

*Jugurtia biskrensis* Bequaert, 1937, Bull. Ann. Soc. Entomol. Belg. 68: 343, 345 (key), 358, fig. 5A–F, female, male –“Al-

gérie. –Biskra” (holotype female, Cambridge).

DISTRIBUTION: Morocco; Algeria.

**braunsi** (von Schulthess)

*Ceramiellus braunsi* von Schulthess, 1922, Deutsch. Entomol. Z. 1922: 402, 2 figs., female, male –“Südwestafrika: Groß- und Klein-Namaland, Grootfontein . . . Steinkopf” (Berlin).

DISTRIBUTION: Namibia; South Africa: Western Cape, Eastern Cape.

**braunsiella** (von Schulthess)

*Masaris braunsiella* von Schulthess, 1930, Ann. Mag. Nat. Hist. (10) 5: 326, fig. 1, male –“Cape Province, Matjesfontein” (London).

DISTRIBUTION: Namibia; South Africa: Northern Cape, Western Cape, Eastern Cape.

**calcarata** Richards

*Jugurtia calcarata* Richards, 1962, Revision. Study Masarid Wasps: 251 (key), 260, male, female –“S. Africa, Cape Province: Worcester” (holotype male, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape.

**codoni** Gess

*Jugurtia codoni* Gess, 1997, J. Hym. Res. 6: 36, 53, female, male –“Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown); also from three other localities in Richtersveld.

DISTRIBUTION: South Africa: Northern Cape.

**confusa** Richards

*Jugurtia confusa* Richards, 1962, Revision. Study Masarid Wasps: 249, 251 (key), 258, figs. 213–215, 218, 220–221, female, male –“S. Africa: Cape Province, Willowmore” (holotype male, London).

DISTRIBUTION: South Africa: Eastern Cape.

**discrepans** (Brauns)

*Masaris discrepans* Brauns, 1913, Entomol. Mitt., Berlin 2: 203, pl. II fig. 9, female, male –“Worcester im Süden der Kapkolonie . . . und bei Oudtshoorn (Kapland)” (Pretoria).

DISTRIBUTION: Namibia; South Africa: Western Cape, Eastern Cape.

**dispar** (Dufour)

*Celonites dispar* Dufour, 1851, Ann. Soc. Entomol. France (2) 9: 58, 59, pl. 3 figs. 1–8, female, male –“environs de Madrid” (Paris?).

DISTRIBUTION: Spain; Portugal; Gibraltar.

**duplicata** Richards

*Jugurtia duplicata* Richards, 1962, Revision. Study Masarid Wasps: 249, 254 (key), 263, male –“Cape Province: Van Rhynsdorp” (Pretoria).

DISTRIBUTION: South Africa: Western Cape.

**eburnea** (Turner)

*Masariella turneri eburnea* Turner, 1935, Ann. Mag. Nat. Hist. (10) 15: 299, fig. 3, female, male –“Kamieskroon, Namaqualand” (holotype male, Cape Town).

*Jugurtia polita* Richards, 1962, Revision. Study Masarid Wasps: 251 (key), 256, female, male –“S. Africa, Cape Province: Calvinia” (holotype male, London); also from elsewhere in Cape Province.

DISTRIBUTION: South Africa: Northern Cape.

**escalerae** Meade-Waldo

*Jugurtia escalerae* Meade-Waldo, 1910, Ann. Mag. Nat. Hist. (8) 5: 33, female –“S.W. Persia” (London).

DISTRIBUTION: Turkey; Iran.

**eurycara** Kostylev

*Jugurtia eurycara* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 94 (key), 97, figs. 6–7, male, female –“Caucasus, Armen.” (St. Petersburg); also from Erivanj [Yerevan].

DISTRIBUTION: Turkey; Iran; Armenia.

**irana** Kostylev

*Jugurtia irana* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 94 (key), 99, female, male –“Via Karvandar-Bampur, S.-O. Persien . . . Tshanshen-Sadk, Bampur, S.-O. Perasion . . . Kuusha-Larumba, Bampur, S.-O. Persien . . . Kurljut-Langer, Chorasán, O. Persien” (St. Petersburg).

DISTRIBUTION: Iran.

**jemenensis** Kostylev

*Jugurtia jemenensis* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 94 (key), 99, female –“Jemen, Sanaa” (Moscow).

*Jugurtia hoggarica* Giordani Soika, 1954, Boll. Mus. Civ. Stor. Nat. Venezia 7: 20,

male –“Hoggar, Atakor, Guelta Afilale” (Venice).

*Jugurtia jemenensis*!]; Richards, 1962, Revision. Study Masarid Wasps: 265.

DISTRIBUTION: Algeria; Israel; Saudi Arabia; Yemen; Oman; United Arab Emirates.

**koeroegabensis** Gess

*Jugurtia koeroegabensis* Gess, 1997, J. Hym. Res. 6: 36, 55, female, male –“Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown); also from one other locality in Richtersveld.

DISTRIBUTION: South Africa: Northern Cape.

**nadigorum** Bequaert

*Jugurtia nadigorum* Bequaert, 1937, Bull. Ann. Soc. Entomol. Belg. 68: 343, 344 (key), 347, fig. 2A–F, female, male –“Maroc. –Marrakech” (holotype female, Cambridge); also from one other locality.

DISTRIBUTION: Morocco.

**oraniensis** (Lepelletier)

*Celonites Oraniensis* Lepelletier, 1841, Hist. Nat. Insect. Hym. 2: 586, female, male –“Oran” (Paris?).

*Jugurtia numidica* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. V fig. 3, male; 1855, Ét. Fam. Vesp. 3: 85 –“L’Algérie” (Paris).

*Jugurtia numida*!]; de Saussure, 1855, Ét. Fam. Vesp. 3: 85.

DISTRIBUTION: Morocco; Algeria; Tunisia.

**saussurei** (Brauns)

*Masaris Saussurei* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 219, female, male –“Terra Capensis: Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**simpsoni** Meade-Waldo

*Jugurtia simpsoni* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 448, female –“Pattachari . . . N’jau” (London).

*Masariella? testaceopicta* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 499 (key), 502, fig. 3, female –“N. Nigeria, Zungeru” (London).

DISTRIBUTION: Gambia; Senegal; Burkina Faso; Nigeria.

**spinolae** (de Saussure)

*Masaris spinolae* de Saussure, 1855, Ét. Fam. Vesp. 3: 95, female –“Cap de Bonne-Espérance” (Torino).

*Jugurtia spinolai*[!]; Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 92.

*Jugurtia spiolalai*[!]; Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 100.

DISTRIBUTION: South Africa: Western Cape.

**tigrina** Gess

*Jugurtia tigrina* Gess, 1997, J. Hym. Res. 6: 36, 50, figs. 1–6, female, male –“Cape Province: Namaqualand, Springbok, Hester Malan [now Goegap] Nature Reserve” (holotype female, Grahamstown); also from five other localities in Northern Cape.

DISTRIBUTION: South Africa: Northern Cape.

**turneri** (von Schulthess)

*Masariella? turneri* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 499 (key), 500, fig. 1, female –“Cape Province, Little Carroo, 38 m. E. of Ceres” (London).

DISTRIBUTION: South Africa: Western Cape.

**zarudnyi** Kostylev

*Jugurtia zarudnyi* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 93 (key), 94, figs. 4–5, male, female –“Chorasan . . . Kermän, Prov. Mokran” (St. Petersburg).

DISTRIBUTION: Iran.

Genus *Masarina* Richards

*Masarina* Richards, 1962, Revision. Study Masarid Wasps: vii, 213, 268, genus. TYPE SPECIES: *Masarina familiaris* Richards, 1962, by original designation.

**ceres** Gess

*Masarina ceres* Gess, 1997, J. Hym. Res. 6: 36, 60, male, figs. 23–24 –“Cape Province: 17 km N of Ceres, near top of Gydo Pass” (Grahamstown).

DISTRIBUTION: South Africa: Western Cape.

**familiaris** Richards

*Masariella spinolae* (de Saussure); Bequaert, 1928, Ann. Mag. Nat. Hist. (10) 2: 187. Misidentification.

*Masarina familiaris* Richards, 1962, Revision. Study Masarid Wasps: 268, 270, figs. 225–231, male, female –“Cape Province: Camps Bay” (holotype male, London); also from elsewhere in Cape Province.

*Masarina communis*; Richards, 1962, Revision. Study Masarid Wasps: 269. *Lapsus calami*.

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Eastern Cape.

**hyalinipennis** Richards

*Masarina hyalinipennis* Richards, 1962, Revision. Study Masarid Wasps: 268, male –“Cape Province: van Rhynsdorp” (Pretoria).

DISTRIBUTION: South Africa: Northern Cape, Western Cape.

**mixta** Richards

*Masarina mixta* Richards, 1962, Revision. Study Masarid Wasps: 268 (key), 271, female –“S. Africa, Cape Province: Nieuwoudtville” (London).

DISTRIBUTION: South Africa: Northern Cape, Western Cape.

**mixtoides** Gess

*Masarina mixtoides* Gess, 1997, J. Hym. Res. 6: 36, 61, female, male, fig. 32 –“Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown); also from two other localities in Richtersveld.

DISTRIBUTION: South Africa: Northern Cape.

**namaqua** Gess

*Masarina namaqua* Gess, 1997, J. Hym. Res. 6: 36, 65, female, male, figs. 25–27, 33 –“Cape Province: Namaqualand, Springbok, Hester Malan [now Goegap] Nature Reserve” (holotype female, Grahamstown); also from three other localities in Namaqualand.

DISTRIBUTION: South Africa: Northern Cape.

**parvula** Gess

*Masarina parvula* Gess, 1997, J. Hym. Res. 6: 36, 65, female, male, figs. 28–30, 34 –“Cape Province: Namaqualand, Springbok, Hester Malan [now Goegap] Nature Reserve” (holotype female, Grahamstown); also from two other localities in Namaqualand.

DISTRIBUTION: South Africa: Northern Cape.

**pelioستي** Gess

*Masarina pelioستي* Gess, 1997, J. Hym. Res. 6: 36, 67, female, male, figs. 35–39 –“Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

**strucki** Gess

*Masarina strucki* Gess, 1988, Ann. Cape Prov. Mus. (Nat. Hist.) 16: 351, 352, female – “[Cape Province:] Namaqualand, [Springbok]” (Grahamstown).

DISTRIBUTION: South Africa: Northern Cape; Western Cape.

**tylcodoni** Gess

*Masarina tylcodoni* Gess, 1997, J. Hym. Res. 6: 36, 69, female, male, figs. 40–43 – “Cape Province: Namaqualand, Richtersveld National Park, Koeroegabvlakte (28.11S, 17.03E)” (holotype female, Grahamstown).

DISTRIBUTION: South Africa: Northern Cape.

Genus **Masaris** Fabricius

*Masaris* Fabricius, 1793, Entomol. Syst. II: vi, 283, 284, genus (2 species). TYPE SPECIES: *Masaris vespiformis* Fabricius, 1793, by subsequent monotypy; Latreille, 1802, Hist. Nat. Crust. Insect. 3: 368, placed the second species in a new genus, *Celonites*. *Massaris* Billberg, 1820, Enum. Insect.: 109. Unnecessary emendation of *Masaris* Fabricius.

*Mazaris* Schulz, 1911, Zool. Ann. Würzburg 4: 199. Unnecessary emendation of *Masaris* Fabricius.

*Saryara* Kuznetsov, 1923, J. Turkestan Branch Russ. Geograph. Soc. 16: 127, genus (2 species). TYPE SPECIES: *Saryara longicornis* Kuznetsov, 1923, by subsequent designation of van der Vecht and Carpenter, 1990, Zool. Verh., Leiden 260.

**aegyptiacus aegyptiacus** Meade-Waldo

*Masaris vespiformis aegyptiacus* Meade-Waldo, 1911, Ann. Mag. Nat. Hist. (8) 8: 447, fig. 2, male – “Cairo, Egypt” (London).

DISTRIBUTION: Egypt; Israel; Jordan.

**aegyptiacus arabicus** Giordani Soika

*Masaris vespiformis arabicus* Giordani Soika, 1957, Brit. Mus. Exped. S.-W. Arabia 1(31): 472, female – “SAUDI ARABIA: Jebel Shammar Province, Hâil district” (London).

DISTRIBUTION: Saudi Arabia.

**carli** von Schulthess

*Masaris saussurei* Carl, 1921, Rev. Suisse Zool. 28: 41, male, female – “Zarawchan; . . . Sutkend. Turkestan” (Geneva). Non Brauns, 1905.

*Masaris carli* von Schulthess, 1922, Deutsch. Entomol. Z. 1922: 404, replacement name for *saussurei* Carl.

*Masaris smirnovi* Kostylev, 1925, Entomol. Mitt. 14: 150 (key), 152, fig. 2, male – “Perovsk (Turkestan, Syr-Darjja-Gebiet)” (Moscow).

DISTRIBUTION: Iran; Kazakhstan; Uzbekistan.

**gussakovskii** Kostylev

*Masaris gussakovskii* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 87, 89, fig. 2, female – “Turkestan, distr. Chodzhent” (coll. Gussakovskii, St. Petersburg); also from Konstantinovsk.

DISTRIBUTION: Uzbekistan.

**longicornis** (Kuznetsov)

*Saryara longicornis* Kuznetsov, 1923, J. Turkestan Branch Russ. Geogr. Soc. 16: 127, male – “Montes Ac-Tasch. Alt. 8000'” (St. Petersburg).

DISTRIBUTION: Afghanistan; Uzbekistan; Kyrgyzstan.

**tianshanicus** Panfilov

*Masaris tianshanicus* Panfilov, 1968, Arch. Zool. Mus. Moscow State Univ. 11: 38, fig. 2, female – “Тянь-Шань: южное побережье оз. Иссык-Куль, Малый Джаргылчак (около Актерека), сухие холмы со степной растительностью” [Tian Shan: south bank of Issyk-Kul' lake, Smaller Dzhargylchak (near Akterek), dry hills with steppe vegetation] (Moscow).

DISTRIBUTION: Kyrgyzstan.

**vespiformis** Fabricius

*Masaris vespiformis* Fabricius, 1793, Entomol. Syst. 2: 283, sex not stated – “in Barbariae floribus” (Copenhagen).

*Erynnis romandi* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xix, male – “Barbaria et Aegypta” (Paris).

*Ceramius hylaeiformis* Dalla Torre, 1894, Cat. Hym. 9: 4, as a synonym of *vespiformis*, attributed to Klug.

DISTRIBUTION: Morocco; Algeria; Egypt.

Genus **Pseudomasaris** Ashmead

*Pseudomasaris* Ashmead, 1902, Can. Entomol. 34: 221, genus. TYPE SPECIES: *Masaris occidentalis* Cresson, 1871, by original designation.

*Toryna* Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 407, 411, subgenus of *Pseudomasaris* Ashmead. TYPE SPECIES: *Masaris vespoides* Cresson, 1863, by original designation and monotypy.

*Holopticus* Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 408, 414, subgenus of *Pseudomasaris* Ashmead. TYPE SPECIES: *Masaris texanus* Cresson, 1871, by original designation.

*Cotyledon* Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 408, 430, subgenus of *Pseudomasaris* Ashmead. TYPE SPECIES: *Masaris edwardsii* Cresson, 1872, by original designation.

**basirufus** Rohwer

*Pseudomasaris zonalis basirufus* Rohwer, 1912, Proc. U.S. Natl. Mus. 41: 452, female –“Death Valley, California” (Washington).

*Pseudomasaris bariscipus* Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 409 (key), 418, figs. 77, 85, male –“ARIZONA: Quartzite” (Philadelphia).

*Pseudomasaris bariscapus* [!]; Bequaert, 1940, Bull. Brooklyn Entomol. Soc. 35: 38.

DISTRIBUTION: USA: California, Nevada, Arizona.

**cazieri** Bohart

*Pseudomasaris cazieri* Bohart, 1963, in Richards, Univ. Calif. Publ. Entomol. 27: 289 (key), 290, male –“Palos Colorados, Durango, Mexico, 8,000 feet elevation” (New York).

DISTRIBUTION: Mexico: Durango, Chihuahua.

**coquilletti** Rohwer

*Pseudomasaris coquilletti* Rohwer, 1911, Proc. U.S. Natl. Mus. 40: 555, female, male –“Los Angeles County, California” (holotype female, Washington).

DISTRIBUTION: USA: Oregon, California, Utah, Arizona.

**edwardsii** (Cresson)

*Masaris edwardsii* Cresson, 1872, Trans. Am. Entomol. Soc. 4: 87, female, male –“California” (Philadelphia).

DISTRIBUTION: USA: Washington, Oregon, Idaho, Wyoming, Colorado, Utah, Nevada, California, Arizona; Mexico: Baja California Norte.

**macneilli** Bohart

*Pseudomasaris macneilli* Bohart, 1963, in Richards, Univ. Calif. Publ. Entomol. 27: 285 (key), 291, male, female –“Near Sonora Peak (above Sonora Pass), Tuolumne County, California, 11,000 feet elevation” (holotype male, San Francisco); also from elsewhere in California, and Utah.

DISTRIBUTION: USA: California, Utah.

**macswaini** Bohart

*Pseudomasaris macswaini* Bohart, 1963, in Richards, Univ. Calif. Publ. Entomol. 27: 286 (key), 301, male, female –“Andreas Canyon, Riverside County, California” (holotype male, Davis); also from other localities in California.

DISTRIBUTION: USA: California; Mexico\*: Baja California Norte.

**maculifrons** (Fox)

*Masaris maculifrons* Fox, 1894, Proc. Calif. Acad. Sci. (2) 4: 12, female –“El Paraiso, L. Cal.” (San Francisco).

*Pseudomasaris albifrons* Rohwer, 1912, Proc. U.S. Natl. Mus. 41: 451, male –“New Mexico . . . Las Cruces” (Washington).

*Pseudomasaris zonalis neomexicanus* Rohwer, 1912, Proc. U.S. Natl. Mus. 41: 452, female –“Aztec, New Mexico” (Washington).

*Pseudomasaris rohweri* Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 409 (key), 417, male (in subgenus *Holopticus*) –“ARIZONA: Quartzite” (Philadelphia); also from Phoenix.

DISTRIBUTION: USA: California, Nevada, Utah, Arizona, New Mexico; Mexico: Sonora, Baja California Norte.

**marginalis** (Cresson)

*Masaris marginalis* Cresson, 1864, Proc. Entomol. Soc. Philadelphia 3: 677, female –“Rocky Mountains, Colorado Territory” (Philadelphia).

DISTRIBUTION: Canada: British Columbia, Alberta.; USA: Washington, Idaho, Wyoming, Colorado, Nevada, Utah, California, Arizona, New Mexico.

**micheneri** Bohart

*Pseudomasaris micheneri* Bohart, 1963, in Richards, Univ. Calif. Publ. Entomol. 27: 284, figs. 1, 14, 21, 286–287 (key), 298, male, female –“Westgard Pass, Inyo County, California, 6,000 feet elevation” (holotype male, Davis); also from elsewhere in California.

DISTRIBUTION: USA: California, Nevada.

**occidentalis** (Cresson)

*Masaris occidentalis* Cresson, 1871, Trans. Am. Entomol. Soc. 3: 348, female –“Texas” (Philadelphia).

DISTRIBUTION: USA: Kansas, Texas, New Mexico.

**phaceliae** Rohwer

*Pseudomasaris phaceliae* Rohwer, 1912, Proc. U.S. Natl. Mus. 41: 450, male, female –“New Mexico, Albuquerque” (holotype male, Washington); also from Mesilla and Filmore Canyon.

DISTRIBUTION: USA: Texas, New Mexico, Arizona.

**texanus** (Cresson)

*Masaris texanus* Cresson, 1871, Trans. Am. Entomol. Soc. 3: 348, male, female –“Texas” (Philadelphia).

DISTRIBUTION: USA: Texas.

**vespoides** (Cresson)

*Masaris vespoides* Cresson, 1863, Proc. Entomol. Soc. Philadelphia 2: 69, pl. 4, male, female –“Pike’s Peak” (Philadelphia).

*Pseudomasaris vespoides robertsoni* Cockerell, 1913, Proc. Entomol. Soc. Wash. 15: 107, female –“Redlands, California” (Washington).

DISTRIBUTION: USA: Nebraska, South Dakota, Montana, Washington, Oregon, Idaho, Wyoming, Colorado, Utah, Nevada, California, Arizona, New Mexico; Mexico: Baja California Norte.

**wheeleri** Bequaert

*Pseudomasaris wheeleri* Bequaert, 1929, Psyche 36: 61, fig. 1, male, female –“CALIFORNIA . . . Palm Springs, Riverside Co.” (holotype male, Cambridge).

DISTRIBUTION: USA: California; Mexico: Baja California Norte.

**zonalis** (Cresson)

*Masaris zonalis* Cresson, 1864, Proc. Entomol. Soc. Philadelphia 3: 674, female,

male –“Rocky Mountains, Colorado Territory” (Philadelphia).

*Pseudomasaris zonalis albopictus* Bohart, 1950, Proc. Biol. Soc. Wash. 63: 78, male, female –“Jenny Lake, Grand Teton National Park, Wyoming” (holotype male, San Francisco); also from five other localities in Idaho, Oregon and Washington.

DISTRIBUTION: Canada: British Columbia; USA: Nebraska, Montana, Washington, Oregon, Idaho, Wyoming, Colorado, Utah, Nevada, California.

Genus **Quartinia** André

*Quartinia* “GRIBODO, in litteris” André, 1884, Spec. Hym. Europe Algérie II: 811, 822, genus. TYPE SPECIES: *Quartinia dilecta* André, by monotypy.

*Quartinia*[!] Cameron, 1904, Z. Syst. Hym. Dipt. 4: 89.

*Quartiniella* von Schulthess, 1929, Ann. Mag. Nat. Hist. 10(3): 504, 510, genus. TYPE SPECIES: *Quartiniella waterstoni* von Schulthess, 1929, by monotypy.

*Quartinioides* Richards, 1962, Revision. Study Masarid Wasps: 127, 170, genus. TYPE SPECIES: *Quartinia capensis* Kohl, 1898, by original designation.

**affinis** Richards

*Quartinia affinis* Richards, 1962, Revision. Study Masarid Wasps: 131 (key), 143, female –“Algeria: Sidi Farouch” (London).

DISTRIBUTION: Algeria.

**albopicta** (Richards), NEW COMBINATION

*Quartinioides*[!] *albopicta* Richards, 1982, Boll. Mus. Civ. Stor. Nat. Venezia 32: 199, female –“S.W. Africa: Gobabeb, 25°36’S, 15°10’E” (Copenhagen).

DISTRIBUTION: Namibia.

**alcestis** Richards

*Quartinia alcestis* Richards, 1962, Revision. Study Masarid Wasps: 133 (key), 164, female, male –“Cape Province: Worcester” (holotype female, London).

DISTRIBUTION: South Africa: Western Cape.

**andromeda** (Richards), NEW COMBINATION

*Quartinioides andromeda* Richards, 1962, Revision. Study Masarid Wasps: 172 (key), 182, female –“Cape Province:

Prince Albert Road" (London); also from Matjesfontein.

DISTRIBUTION: South Africa: Western Cape.

**antennata** von Schulthess

*Quartinia antennata* von Schulthess, 1935, Ann. Mag. Nat. Hist. (10) 16: 385 (key), 388, fig., male – "South Africa, Cape Colony, Worcester" (London).

DISTRIBUTION: South Africa: Western Cape.

**antigone** (Richards), NEW COMBINATION

*Quartinioides antigone* Richards, 1962, Revision. Study Masarid Wasps: 174 (key), 190, figs. 157–161, female, male – "Cape Province: Matjesfontein" (holotype male, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape.

**araxana** Giordani Soika

*Quartinia araxana* Giordani Soika, 1960, Boll. Soc. Entomol. Ital. 90: 133, female, male – "Caucaso: Araxesthal" (lectotype female, Venice).

DISTRIBUTION: Armenia; Turkey; Iran.

**arsinoe** (Richards), NEW COMBINATION

*Quartinioides arsinoe* Richards, 1962, Revision. Study Masarid Wasps: 172 (key), 182, female – "S.W. Africa: Aus" (London); also from South Africa.

DISTRIBUTION: Namibia; South Africa: Western Cape.

**artemis** Richards

*Quartinia artemis* Richards, 1962, Revision. Study Masarid Wasps: 128 (key), 156, female – "Cape Province: Calvinia" (London).

DISTRIBUTION: South Africa: Northern Cape.

**atra** von Schulthess

*Quartinia atra* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 505, female – "Cape Province, Montagu" (London).

DISTRIBUTION: South Africa: Western Cape.

**atrata** Gusenleitner

*Quartinia atrata* Gusenleitner, 1998, Linz. Biol. Beitr. 30(2): 503, 511, female – "Iran, 15 km SE Sarvestan/Fars, 1800 m" (Linz).

DISTRIBUTION: Iran.

**basuto** (Richards), NEW COMBINATION

*Quartinioides basuto* Richards, 1962, Revision. Study Masarid Wasps: 173 (key),

184, female, male – "Basutoland: Mamatshes" (holotype male, London).

DISTRIBUTION: Lesotho.

**breyeri** Richards

*Quartinia breyeri* Richards, 1962, Revision. Study Masarid Wasps: 130 (key), 157, female, male – "Cape Province: N.E. Zoutp. district" [actually Northern Transvaal] (holotype female, Pretoria).

DISTRIBUTION: South Africa: Northern Transvaal.

**canariensis** Blüthgen

*Quartinia canariensis* Blüthgen, 1958, Comment. Biol. 18(6): 6, 11, female – "Fuerteventura: Matural" (Helsinki).

DISTRIBUTION: Spain: Canary Islands: Fuerteventura.

**candida** Gusenleitner

*Quartinia candida* Gusenleitner, 1997, Linz. Biol. Beitr. 29(1): 137, 147, female – "Israel: 45 km N Elat, Sand tunes [dunes] E Qetura, 29°58'/35°06'" (coll. Schmid-Egger).

DISTRIBUTION: Israel.

**capensis** Kohl

*Quartinia capensis* Kohl, 1898, Termesz. Füzetek 21: 365, female, pl. XV fig. 14 – "Capland . . . Algoa-Bai" (Vienna).

*Quartinia scutellimacula* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 508, male, female – "Cape Province, Mossel Bay" (lectotype female, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**ceres** (Richards), NEW COMBINATION

*Quartinioides ceres* Richards, 1962, Revision. Study Masarid Wasps: 177 (key), 206, female, male – "Cape Province: Little Karroo, 38 m. E. of Ceres" (holotype male, London); also from elsewhere in Cape Province.

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**chlorotica** (Morawitz)

*Jugurtia chlorotica* Morawitz, 1888, Horae Soc. Entomol. Ross. 22: 270, female – "in territorio transcaspico (Tschikischljar)" (St. Petersburg?).

DISTRIBUTION: Turkmenistan.



**cincta** Benoist

*Quartinia cincta* Benoist, 1929, Bull. Soc. Sci. Nat. Maroc 9: 93, fig. 2, female, male –“Maroc: Asni, dans la vallée de la Reraya, . . . (altitude, 1.200 m.)” (Paris).

DISTRIBUTION: Morocco.

**crecida** (Richards), NEW COMBINATION

*Quartinioides crecida* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 203, female, male –“Cape Province: Camps Bay, Cape Peninsula” (holotype male, London); also from elsewhere in Cape Province, and Namibia.

DISTRIBUTION: Namibia; South Africa: Northern Cape, Western Cape, Eastern Cape.

**cretica** Gusenleitner

*Quartinia cretica* Gusenleitner, 1994, Linz. Biol. Beitr. 26(1): 331, female –“Griechenland: Kreta, Kastro W Ammoudari; 35.18N 24.10E; 1000–1200 m” (Linz); also from elsewhere in Crete.

DISTRIBUTION: Greece: Crete.

**cyllene** (Richards), NEW COMBINATION

*Quartinioides cyllene* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 201, female, male –“Cape Province: 13 miles N.E. of Touws R.” (holotype female, London); also from Worcester.

DISTRIBUTION: South Africa: Western Cape.

**cynara** (Richards), NEW COMBINATION

*Quartinioides cynara* Richards, 1962, Revision. Study Masarid Wasps: 173, 174 (key), 189, female –“Cape Province: Willowmore” (Pretoria); also from Prince Albert Road.

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**diana** (Richards), NEW COMBINATION

*Quartinioides diana* Richards, 1962, Revision. Study Masarid Wasps: 171 (key), 178, female –“S.W. Africa: Aus” (London).

DISTRIBUTION: Namibia.

**dilecta** André

*Quartinia Dilecta* “GRIBODO (in litteris)” André, 1884, Spec. Hym. Europe Algérie II: 824, pl. XLV figs. 3, 7, female, male –“Tunis” (type depository unknown).

DISTRIBUTION: Morocco; Algeria; Tunisia.

**dryope** (Richards), NEW COMBINATION

*Quartinioides dryope* Richards, 1962, Revision. Study Masarid Wasps: 173, 175 (key), 196, male –“Cape Province: Willowmore” (London).

DISTRIBUTION: South Africa: Eastern Cape.

**elissa** (Richards), NEW COMBINATION

*Quartinioides elissa* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 204, female, male –“Cape Province . . . Worcester” (holotype male, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape.

**eremobia** Richards

*Quartinia eremobia* Richards, 1962, Revision. Study Masarid Wasps: 135 (key), 137, female, male –“Algeria: 80 Km. nord d’El Goléa” (holotype male, Paris); also from Libya: Tripolitania.

DISTRIBUTION: Algeria; Libya.

**eurydice** (Richards), NEW COMBINATION

*Quartinioides eurydice* Richards, 1962, Revision. Study Masarid Wasps: 172 (key), 183, female –“Cape Province: Bloukrans, near Calvinia” (London).

DISTRIBUTION: South Africa: Northern Cape.

**flava** (Richards), NEW COMBINATION

*Quartinella flava* Richards, 1962, Revision. Study Masarid Wasps: 208 (key), 210, female, male –“Cape Province: Nieuwoudtville” (holotype female, London).

DISTRIBUTION: South Africa: Northern Cape.

**funebri** Kostylev

*Quartinia funebri* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 101, 103, female, male –“Imam-Baba (Transkaspien)” (St. Petersburg).

DISTRIBUTION: Turkmenistan.

**galataea** (Richards), NEW COMBINATION

*Quartinioides galataea* Richards, 1962, Revision. Study Masarid Wasps: 173 (key), 188, female –“Cape Province: Worcester” (London).

DISTRIBUTION: South Africa: Western Cape.

**goleana** Richards

*Quartinia goleana* Richards, 1962, Revision. Study Masarid Wasps: 133, 134 (key), 137, female –“Algeria: 80 Km. nord d’El Goléa” (Paris).

DISTRIBUTION: Algeria.

**guichardi** Richards

*Quartinia guichardi* Richards, 1969, J. Nat. Hist. 3: 80, female, male –“Canary Is., Gran Canaria, Maspalomas” (holotype male, London).

DISTRIBUTION: Spain: Canary Islands: Gran Canaria.

**haemorrhhoa** Gusenleitner

*Quartinia haemorrhhoa* Gusenleitner, 1997, Linz. Biol. Beitr. 29(1): 137, 144, female –“Israel: Dead Sea, En Zeelim, 5 km N Massada, 31°23'/35°20'” (coll. M. Hauser).

DISTRIBUTION: Israel.

**halicticeps** Giordani Soika

*Quartinia halicticeps* Giordani Soika, 1939, Bull. Soc. Fouad 1er Entomol. 1939: 9 (key), 12, figs. 2–4, female –“Egitto: Gabal Elba (Wadi Agrab)” (Venice, coll. Ministero de Agricoltura).

DISTRIBUTION: Egypt.

**hecuba** (Richards), NEW COMBINATION

*Quartinoides hecuba* Richards, 1962, Revision. Study Masarid Wasps: 174 (key), 191, female, male –“Cape Province: Matjesfontein” (holotype male, London); also from Calvinia, and Kwazulu-Natal (“probably this species”).

DISTRIBUTION: South Africa: Northern Cape, Western Cape, Kwazulu-Natal.

**helena** (Richards), NEW COMBINATION

*Quartinoides helena* Richards, 1962, Revision. Study Masarid Wasps: 173 (key), 187, female –“Cape Province: Cape Town” (Washington).

DISTRIBUTION: South Africa: Western Cape.

**helichrysi** (Richards), NEW COMBINATION

*Quartinoides helichrysi* Richards, 1962, Revision. Study Masarid Wasps: 175 (key), 198, female –“Basutoland: Mamalapi Mts.” (London).

DISTRIBUTION: Lesotho.

**hetaira** (Richards), NEW COMBINATION

*Quartinoides hetaira* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 200, female, male –“Cape Province: Cape Town” (holotype male, Washington).

DISTRIBUTION: South Africa: Western Cape.

**hypatia** Richards

*Quartinia hypatia* Richards, 1962, Revision. Study Masarid Wasps: 130, 132 (key), 160, male –“Cape Province: Calvinia” (London).

DISTRIBUTION: South Africa: Northern Cape.

**indica** Cameron

*Quartinia*[!] *indica* Cameron, 1904, Z. Hym. Dipt. 4: 89, male –“Deesa, Western India” (London).

*Quartinia maculifrons* Dover, 1925 (1924), J. Proc. Asiat. Soc. Bengal (n. ser.) 20(6): 290. Unavailable under Art. 11.5 of the International Code of Zoological Nomenclature.

DISTRIBUTION: India: Gujarat (Deesa).

**interrupta** Turner

*Quartinia interrupta* Turner, 1939, Ann. Transvaal Mus. 20: 2, female –“Willowmore, Cape Province” (lectotype, Pretoria).

DISTRIBUTION: Namibia; South Africa: Western Cape, Eastern Cape.

**iphigenia** (Richards), NEW COMBINATION

*Quartinoides iphigenia* Richards, 1962, Revision. Study Masarid Wasps: 173, 174, 175 (key), 192, male –“S.W. Africa: Aus” (London).

DISTRIBUTION: Namibia.

**jocasta** Richards

*Quartinia jocasta* Richards, 1962, Revision. Study Masarid Wasps: 130 (key), 160, female –“Cape Province: Bloukrans, near Calvinia” (London); also from Calvinia.

DISTRIBUTION: South Africa: Northern Cape.

**laeta** von Schulthess

*Quartinia capensis* var. *laeta* von Schulthess, 1935, Ann. Mag. Nat. Hist. (10) 16: 386 (key), 389, male, female –“Cape Province, Aus” (holotype male, London).

DISTRIBUTION: Namibia.

**latona** (Richards), NEW COMBINATION

*Quartinoides latona* Richards, 1962, Revision. Study Masarid Wasps: 175, 177 (key), 207, female –“Cape Province: Prince Albert Road” (London).

DISTRIBUTION: South Africa: Western Cape.

**lesnei** Benoist

*Quartinia Lesnei* Benoist, 1929, Bull. Soc. Sci. Nat. Maroc 9: 92, fig. 1, female –“Algérie: Tadmit” (Paris).

DISTRIBUTION: Algeria.

**libanica** Richards

*Quartinia libanica* Richards, 1964 (1962), Boll. Mus. Civ. Stor. Nat. 15: 83, male, female –“N. Lebanon: Becharré, 5000 ft.” (holotype male, Venice); also from elsewhere in Lebanon, and Cyprus.

DISTRIBUTION: Cyprus; Lebanon.

**maerens** von Schulthess

*Quartinia capensis* var. *maerens* von Schulthess, 1935, Ann. Mag. Nat. Hist. (10) 16: 386 (key), 389, female –“Cape Province, Worcester” (London); also from Matjesfontein.

DISTRIBUTION: South Africa: Western Cape.

**major** Kohl

*Quartinia major* Kohl, 1898, Termesz. Füzetek 21: 363, pl. XV figs. 8, 21, female –“Oran . . . Auf Calendula” (Vienna).

?*Quartinia kohli* Dusmet, 1917, Mem. R. Soc. Españ. Hist. Nat. 8., Mem. 9: 383, male –“Imi-n-Tanut” (Madrid).

DISTRIBUTION: Morocco; Algeria.

**matabele** Turner

*Quartinia matabele* Turner, 1939, Ann. Transvaal Mus. 20: 3, male, female –“Bulawayo, S. Rhodesia” (Pretoria).

DISTRIBUTION: Zimbabwe.

**media** von Schulthess

*Quartinia media* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 506, female –“Cape Province, Montagu” (London).

DISTRIBUTION: South Africa: Western Cape.

**medusa** Richards

*Quartinia medusa* Richards, 1962, Revision. Study Masarid Wasps: 135 (key), 159, figs. 152–153, female, male –“S.W. Africa: Aus” (holotype male, London).

DISTRIBUTION: Namibia.

**metallescens** von Schulthess

*Quartinia metallescens* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 505, female –“Cape Province, Queenstown, 3500 feet” (London).

DISTRIBUTION: South Africa: Eastern Cape; Lesotho.

**metope** (Richards), NEW COMBINATION

*Quartinioides metope* Richards, 1962, Revision. Study Masarid Wasps: 175, 178

(key), 207, female –“S.W. Africa: Aus” (London).

DISTRIBUTION: Namibia.

**minima** von Schulthess

*Quartinia minima* von Schulthess, 1932, Ann. Mag. Nat. Hist. (10) 10: 528, female –“Aus” (London).

DISTRIBUTION: Namibia.

**minuscula** (Turner), NEW COMBINATION

*Quartiniella minuscula* Turner, 1939, Ann. Transvaal Mus. 20: 3, female –“Willowmore, Cape Province” (Pretoria).

DISTRIBUTION: South Africa: Eastern Cape.

**mochii** Giordani Soika

*Quartinia Mochii* Giordani Soika, 1939, Bull. Soc. Fouad 1er Entomol. 1939: 9 (key), 10, fig. 1, male –“Egitto: Abu Rawash” (Venice, coll. Mochi).

DISTRIBUTION: Egypt.

**mongolica** (Morawitz)

*Celonites? mongolicus* Morawitz, 1889, Horae Soc. Entomol. Ross. 23: 166, female, male –“Mongolia merid. Dshin-Tasy” (St. Petersburg).

DISTRIBUTION: Mongolia.

**multipecta** (Richards), NEW COMBINATION

*Quartinioides multipecta* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 202, female, male –“Cape Province: Worcester” (holotype male, London); also from elsewhere in Western Cape.

DISTRIBUTION: South Africa: Western Cape.

**nilotica** Fischer

*Quartinia nilotica* Fischer, 1964, Ann. Naturhist. Mus. Wien 67: 611, fig. 1., female –“Khor Musa Pascha S. v. Wadi-Halfa” (Vienna).

DISTRIBUTION: Egypt.

**niveopicta** von Schulthess

*Quartinia niveopicta* von Schulthess, 1930, Ann. Mag. Nat. Hist. (10) 5: 327 (key), 329, female –“Cape Province, Matjestfontein” (London).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**nubiana** Richards

*Quartinia nubiana* Richards, 1962, Revision. Study Masarid Wasps: 133, 134 (key), 138, female –“Egypt: Nubian Desert, Ko-

rosko to Abu Hamed" (London); also from elsewhere in Egypt.

DISTRIBUTION: Tunisia; Libya; Egypt; Sudan; Saudi Arabia; United Arab Emirates.

**ochraceopicta** von Schulthess

*Quartinia ochraceopicta* von Schulthess, 1932, Ann. Mag. Nat. Hist. (10) 10: 527, female –“Aus” (London).

DISTRIBUTION: Namibia.

**orientalis** Gusenleitner

?“*Quartinia haemorrhoea* (n. sp.) *frontalis* n. ssp.” Blüthgen, 1961, Beitr. Naturk. Forsch. S.W.-Deutschl. 19(3): 281, male –“Gondahar.” Nomen nudum.

*Quartinia orientalis* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 56, fig. 1b, male, female –“Türkei Ürgüp” (holotype male, Linz); also from Afghanistan.

DISTRIBUTION: Turkey; Afghanistan.

**paradoxa** Brauns

*Quartinia paradoxa* Brauns, 1905, Ann. Mus. Natl. Hung. 3: 233, male –“Terra Capensis: Willowmore” (Pretoria).

DISTRIBUTION: South Africa: Eastern Cape.

**parcepunctata** Richards

*Quartinia parcepunctata* Richards, 1962, Revision. Study Masarid Wasps: 133 (key), 167, female, male –“Cape Town” (holotype female, Washington).

DISTRIBUTION: South Africa: Western Cape.

**parvula** Dusmet

*Quartinia parvula* Dusmet, 1909, Act. Mem. Primer Congr. Nat. Españ., Zaragoza, 1908: 183, male, female (Madrid).

DISTRIBUTION: Portugal; Spain.

**perone** Richards

*Quartinia perone* Richards, 1962, Revision. Study Masarid Wasps: 133, 134 (key), 166 –“Cape Province: Worcester” (London).

DISTRIBUTION: South Africa: Western Cape.

**persephone** Richards

*Quartinia persephone* Richards, 1962, Revision. Study Masarid Wasps: 133 (key), 165, female –“Cape Province: Calvinia” (London).

DISTRIBUTION: South Africa: Northern Cape.

**philomela** (Richards), NEW COMBINATION

*Quartinioides philomela* Richards, 1962, Revision. Study Masarid Wasps: 173, 174

(key), 193, female –“Cape Province: Nieuwoudtville” (London).

DISTRIBUTION: South Africa: Northern Cape.

**phoebe** (Richards), NEW COMBINATION

*Quartinioides phoebe* Richards, 1962, Revision. Study Masarid Wasps: 172 (key), 181, male –“Cape Province: Cape Town” (Washington).

DISTRIBUTION: South Africa: Western Cape.

**pluto** Richards

*Quartinia pluto* Richards, 1962, Revision. Study Masarid Wasps: 133, 134 (key), 166, female –“Cape Province: Worcester” (London).

DISTRIBUTION: South Africa: Western Cape.

**poecila** von Schulthess

*Quartinia poecila* von Schulthess, 1930, Ann. Mag. Nat. Hist. (10) 5: 327, fig. 2, female, male –“Cape Province, Swakopmund” (lectotype male, London).

DISTRIBUTION: Namibia.

**popovi** Richards

*Quartinia popovi* Gussakovskii, 1935, Trudy Tadz. Sect. Acad. Sci. U.S.S.R. (Zool. Parasitol.) 5: 466, fig. 23. Nomen nudum.

*Quartinia popovi* Richards, 1962, Revision. Study Masarid Wasps: 130 (key), 144, female –“District of Kondara” (Moscow).

DISTRIBUTION: Tajikistan.

**propinqua** von Schulthess

*Quartinia propinqua* von Schulthess, 1932, Ann. Mag. Nat. Hist. (10) 10: 526, figs. 2–4, male, female –“Aus” (lectotype female, London).

DISTRIBUTION: Namibia; South Africa: Western Cape.

**proserpina** Richards

*Quartinia proserpina* Richards, 1962, Revision. Study Masarid Wasps: 133 (key), 161, female –“Cape Province: Nieuwoudtville” (London).

DISTRIBUTION: South Africa: Northern Cape.

**punctulata** von Schulthess

*Quartinia punctulata* von Schulthess, 1930, Ann. Mag. Nat. Hist. (10) 5: 327 (key), 329, female –“Cape Province, Matjesfontein” (London).

*Quartinia punctulatum*[!] Turner, 1939, Ann. Transvaal Mus. 20: 1.

DISTRIBUTION: South Africa: Western Cape.

**pusilla** Kostylev

*Quartinia pusilla* [!]; Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 101. Incorrect original spelling.

*Quartinia pusilla* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 103 (key), 104, female –“Krasnovodsk” (St. Petersburg).

DISTRIBUTION: Turkmenistan.

**senecionis** (Richards), NEW COMBINATION

*Quartinioides senecionis* Richards, 1962, Revision. Study Masarid Wasps: 176 (key), 205, female, male –“Orange Free State: Thaba Nchu” (holotype male, London); also from Lesotho.

DISTRIBUTION: Lesotho; South Africa: Free State.

**separata** Gusenleitner

*Quartinia separata* Gusenleitner, 1997, Linz. Biol. Beitr. 29(1): 137, 146, female, male –“Syria west, 50 km S Homs” (holotype female, BOL); also from elsewhere in Syria; Turkey.

DISTRIBUTION: Syria; Turkey.

**shestakovi** Kostylev

*Quartinia shestakovi* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 101, 102 (key), 105, fig. 8, female, male –“Tartugaj (Syr-Darjja-Geb.)” (St. Petersburg); also from elsewhere in Uzbekistan.

*Quartinia schestakovi* [!]; Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 105. Incorrect original spelling.

DISTRIBUTION: Uzbekistan; Kyrgyzstan.

**signata** von Schulthess

?*Quartinia variegata* “Brauns” Bradley, 1922, Univ. Calif. Publ. Entomol. 1: 401. Nomen nudum.

“*Quartinia signata*, Brauns, in litt.” von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 507, male, female –“Cape Province, Willowmore” (lectotype male, Zürich).

DISTRIBUTION: South Africa: Eastern Cape.

**signatifrons** Turner

*Quartinia signata* var. *signatifrons* Turner, 1939, Ann. Transvaal Mus. 20: 2, male, female (Pretoria).

DISTRIBUTION: South Africa: Western Cape, Eastern Cape.

**soikai** Richards

*Quartinia soikai* Richards, 1964 (1962), Boll. Mus. Civ. Stor. Nat. 15: 84, female –“Turkey: Steppe hills 70 m. S. of Ankara” (Venice).

*Quartinia soika* [!]; Gusenleitner, 1985, Nachricht. Bayer. Entomol. 34(4): 110.

DISTRIBUTION: Iran; Turkey; Greece.

**striata** (Richards), NEW COMBINATION

*Quartiniella striata* Richards, 1962, Revision. Study Masarid Wasps: 208 (key), 211, female –“Cape Province: Calvinia” (London).

DISTRIBUTION: South Africa: Northern Cape.

**syriaca nitens** Gusenleitner

*Quartinia syriaca nitens* Gusenleitner, 1973, Boll. Mus. Civ. Stor. Nat. Venezia 24: 57, male –“Iran, Fars, Monti steppici 5 km N di Persepolis” (Venice).

DISTRIBUTION: Iran.

**syriaca syriaca** Richards

*Quartinia syriaca* Richards, 1964 (1962), Boll. Mus. Civ. Stor. Nat. 15: 86, female, male –“Syria: near Damascus, Ibn Nefis” (holotype female, Venice); also from other localities in Syria, and Lebanon.

DISTRIBUTION: Lebanon; Syria.

**tarsata** (Richards), NEW COMBINATION

*Quartinioides tarsata* Richards, 1962, Revision. Study Masarid Wasps: 173 (key), 185, female, male –“Cape Province: Grahamstown” (holotype female, London).

DISTRIBUTION: South Africa: Eastern Cape.

**tenerifina** Richards

*Quartinia tenerifina* Richards, 1969, J. Nat. Hist. 3: 80, fig. 2, female, male –“Canary Is., Tenerife, Los Christianos” (holotype male, London).

DISTRIBUTION: Spain: Canary Islands: Tenerife.

**thebaica** du Buysson

*Quartinia thebaica* du Buysson, 1902, Bull. Soc. Entomol. France 1902: 141, female –“Égypte: Louqsor” (coll. Pic).

*Quartinia thebica* [!]; Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 102.

*Quartinia ochracea* Giordani Soika, 1939,

- Bull. Soc. Fouad 1er Entomol. 1939: 9 (key), 14, female –“Egitto: Wadi Digla” (Venice, coll. Mochi).
- Quartinia thabaica*[!]; Gusenleitner, 1977, Linz. Biol. Beitr. 9: 152.
- DISTRIBUTION: Morocco; Algeria; Libya; Egypt.
- titania** (Richards), NEW COMBINATION
- Quartinoides titania* Richards, 1962, Revision. Study Masarid Wasps: 174 (key), 193, female, male –“Cape Province: Cape Town” (holotype male, Washington).
- DISTRIBUTION: South Africa: Western Cape.
- tricolorata** Giordani Soika
- Quartinia thebaica* du Buysson; Giordani Soika, 1939, Bull. Soc. Fouad 1er Entomol. 39: 13. Misidentification.
- Quartinia tricolorata* Giordani Soika, 1954, Boll. Mus. Civ. Stor. Nat. Venezia 7: 22, female –“Egitto: Gebel Asfar” (lectotype Venice); also from Fayum.
- DISTRIBUTION: Egypt.
- tripolitana sinaitica** Richards
- Quartinia tripolitana sinaitica* Richards, 1964 (1962), Boll. Mus. Civ. Stor. Nat. 15: 83, male, female –“United Arab Republic, Sinai: Kun Mitla” (Venice).
- DISTRIBUTION: Egypt: Sinai.
- tripolitana tripolitana** Richards
- Quartinia tripolitana* Richards, 1962, Revision. Study Masarid Wasps: 134 (key), 140, male, female –“Tripolitania: Tripoli” (holotype male, London); also from elsewhere in Libya.
- DISTRIBUTION: Libya; Egypt.
- tuareg** Giordani Soika
- Quartinia tuareg* Giordani Soika, 1954, Boll. Mus. Civ. Stor. Nat. Venezia 7: 21, male, female –“Guelta Idjef Melène” (lectotype female, Venice); also from elsewhere in Algeria.
- DISTRIBUTION: Algeria; Egypt.
- turneri** (von Schulthess)
- Quartiniella turneri* von Schulthess, 1932, Ann. Mag. Nat. Hist. (10) 10: 528, fig. 5, male –“Aus” (London).
- DISTRIBUTION: Namibia.
- uzbeka** Kostylev
- Quartinia uzbeka* Kostylev, 1935, Arch. Mus. Zool. Univ. Moscou 2: 101, 103 (key), 106, male –“Aman-Katan, Umgesb. v. Samarkand, 1.500 m. üb. M.” (St. Petersburg).
- DISTRIBUTION: Uzbekistan.
- vagepunctata** von Schulthess
- Quartinia vagepunctata* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 507, female –“Cape Province, Little Karroo, 38 m. E. of Ceres” (London).
- DISTRIBUTION: South Africa: Northern Cape, Western Cape.
- waterstoni** (von Schulthess)
- Quartiniella waterstoni* von Schulthess, 1929, Ann. Mag. Nat. Hist. (10) 3: 504 (key), 510, figs. 4–5, female, male –“Cape Province, Little Karroo, 38 m. E. of Ceres” (holotype female, London).
- DISTRIBUTION: South Africa: Northern Cape, Western Cape, Kwazulu-Natal.
- Genus **Trimeria** de Saussure
- Trimeria* de Saussure, 1854, Ét. Fam. Vesp. 3: pl. IV fig. 2; 1855, Ét. Fam. Vesp. 3: 81, genus. TYPE SPECIES: *Erynnis americana* de Saussure, 1853, by monotypy.
- Erynnis* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xix, genus (2 species), non *Erynnis* Schrank, 1801 (Lepidoptera). TYPE SPECIES: *Erynnis americana* de Saussure, 1853, by subsequent designation of de Saussure, 1855, Ét. Fam. Vesp. 3: 92.
- Eurynnis*[!] Dalla Torre, 1894, Cat. Hym. 9: 4.
- Microtrimeria* Bequaert, 1928, Psyche 35: 191, genus: 191. TYPE SPECIES: *Microtrimeria cockerelli* Bequaert, 1928, by monotypy.
- Willinkia* Richards, 1962, Revision. Study Masarid Wasps: 119, subgenus of *Trimeria* de Saussure. TYPE SPECIES: “*Trimeria buyssoni* Brèthes, 1904 (as represented in coll. B. M.),” by original designation.
- americana** (de Saussure)
- Masaris vespiformis* Fabricius; Romand, 1851, Ann. Soc. Entomol. France (2) 9, Bull.: lii (female not male). Misidentification.
- Erynnis americana* de Saussure, 1853, Ann. Soc. Entomol. France (3) 1, Bull. II: xx, female –“d’Amérique” (Paris).

DISTRIBUTION: Brazil: Goiás,\* Distrito Federal,\* São Paulo,\* Paraná.\*

**atacama** (Fritz), NEW COMBINATION

*Microtrimeria atacama* Fritz, 1968, Rev. Chil. Entomol. 6: 69, female, male –“Estación Cachiyuyo, provincia de Atacama, Chile” (holotype female, Santiago).

DISTRIBUTION: Chile: Atacama.

**bequaerti** Willink

*Trimeria bequaerti* Willink, 1951, Rev. Soc. Cient. Argentina 15: 78, figs. 1–6, female –“Amaicha del Valle, provincia de Tucumán (2.000 ms, s.n.m.)” (Tucumán); also from Salta.

DISTRIBUTION: Bolivia; Paraguay: Boquerón; Argentina: Salta, Tucumán.

**cockerelli** (Bequaert), NEW COMBINATION

*Microtrimeria cockerelli* Bequaert, 1928, Psyche 35: 191, 192, female –“PERU: Payta” (Cambridge).

DISTRIBUTION: Peru: Piura.

**howardi** Bertoni

*Trimeria howardi* Bertoni, 1911, An. Mus. Nac. Buenos Aires (3) 22: 104, female, male –“Puerto Bertoni” (San Lorenzo).

DISTRIBUTION: Brazil\*: Minas Gerais, São Paulo, Rio Grande do Sul; Paraguay: Alto Paraná; Argentina: Tucumán, Santa Fé, Misiones.

**joergenseni** Schrottky

*Trimeria joergenseni* Schrottky, 1909, Rev. Mus. La Plata 16: 137, female –“Argentina (Mendoza)” (destroyed).

DISTRIBUTION: Argentina: Mendoza, San Luis,\* Santa Fé,\* Rio Negro.

**monrosi** Willink

*Trimeria monrosi* Willink, 1959, Neotropica 5: 2, female –“Tucumán, Las Cejas” (Tucumán).

DISTRIBUTION: Bolivia: Santa Cruz; Argentina: Tucumán, Santiago del Estero,\* Santa Fé.

**neotropica** (Mocsáry)

*Jugurtia neotropica* Mocsáry, 1906, Ann. Hist.-Nat. Mus. Hung. 4: 197, male –“Paraguay: Asuncion” (Budapest).

DISTRIBUTION: Brazil\*: Paraná; Paraguay: Central; Argentina\*: Misiones.

**rhachiphora** (Schletterer)

*Odynerus rhachiphorus* Schletterer, 1891, Entomol. Nachr. 17: 85, male –“Chile” (Vienna).

*Trimeria buyssoni* Brèthes, 1903, An. Mus. Nac. Buenos Aires (3) 9(2): 371, figs. 1–2, 372, fig. 3, female –“Argentina: Catamarca” (Buenos Aires); also described from Córdoba? and Paraguay.

*Trimeria rachiphorus*[!]; Willink and Roig Alsina, 1993, J. Hym. Res. 2: 303.

DISTRIBUTION: Paraguay: Boquerón, Itapuá; Uruguay\*: Montevideo; Argentina: Jujuy, Salta, Tucumán, Catamarca, Santiago del Estero, Formosa, Santa Fé, Neuquén.

#### ACKNOWLEDGMENTS

I thank Mike Engel, Fred Gess, Josef Gusenleitner, Norm Johnson, Lynn Kimsey, and Rob Longair for critical comments, and Vladimir Ovtsharenko for help with Russian localities.

#### REFERENCES

- Carpenter, J. M.  
1981 (1982). The phylogenetic relationships and natural classification of the Vespoidea (Hymenoptera). Syst. Entomol. 7: 11–38.  
1989 (1988). The phylogenetic system of the Gayellini (Hymenoptera: Vespidae; Masarinae). Psyche 95: 211–241.  
1993. Biogeographic patterns in the Vespidae (Hymenoptera): two views of Africa and South America. In P. Goldblatt (ed.), Biological Relationships between Africa and South America: 139–155. New Haven, CT: Yale Univ. Press.  
1997 (1996). Generic classification of the Australian pollen wasps (Hymenoptera: Vespidae; Masarinae). J. Kansas Entomol. Soc. 69(4) suppl.: 384–400.
- Farris, J. S.  
1979. The information content of the phylogenetic system. Syst. Zool. 28: 483–519.
- Gess, F. W.  
1997. Contributions to knowledge of *Ceramius* Latreille, *Celonites* Latreille *Jugurtia* Saussure and *Masarina* Richards (Hymenoptera: Vespidae: Masarinae) in South Africa. J. Hym. Res. 6: 36–74.  
1998. *Priscomasaris namibiensis* Gess, a new genus and species of Masarinae (Hymenoptera: Vespidae) from Namibia,

- southern Africa, with a discussion of its position within the subfamily. *J. Hym. Res.* 7: 296–304.
- Gess, F. W., and S. K. Gess  
1988. A contribution to the knowledge of the taxonomy and ethology of the genus *Masarina* Richards (Hymenoptera: Masaridae). *Ann. Cape Prov. Mus. (Nat. Hist.)* 16: 351–362.
- Gess, S. K.  
1996. The pollen wasps: ecology and natural history of the Masarinae. Cambridge, MA: Harvard Univ. Press.
- Giordani Soika, A.  
1974. Revisione della sottofamiglia Gayellinae (Hym. vesp.). *Boll. Mus. Civ. Stor. Nat. Venezia* 25: 87–106.
- Richards, O. W.  
1962. A revisional study of the masarid wasps (Hymenoptera, Vespoidea). London: British Museum (Natural History).
- Snelling, R. R.  
1986. The taxonomy and nomenclature of some Australian paragiine wasps (Hymenoptera, Masaridae). *Contrib. Sci.* 378: 1–19.
- Vecht, J. van der, and J. M. Carpenter  
1990. A catalog of the genera of the Vespidae (Hymenoptera). *Zool. Verh. (Leiden)* 260: 1–62.

## INDEX OF MASARINAE

Genera, species, and subspecies are indexed, including emendations, misspellings, and *lapsi calami*, etc. The generic name given in parentheses following a species-group entry is the name used in the original combination. The name of the genus that now includes the species-group taxon is then listed below. If the species-group taxon is now considered a synonym, the valid name is listed following the current genus name. Similarly, for emendations, misspellings, and *lapsi*, the correct spelling follows. If the species-group taxon is considered a subspecies, this is indicated by the abbreviation “ssp.” following the name of the nominate species.

- abbreviata (Vespa)  
  Celonites abbreviatus, 8
- abbreviatus tauricus (Celonites)  
  Celonites abbreviatus ssp., 8
- abbreviatus var. engadinensis (Celonites)  
  Celonites abbreviatus, 8
- abbreviatus var. hungaricus (Celonites)  
  Celonites abbreviatus, 8
- afer (Celonites)  
  Celonites 9
- affinis (Quartinia)  
  Quartinia 22
- albifrons (Pseudomasaris)  
  Pseudomasaris maculifrons 21
- albopicta (Quartinioides)  
  Quartinia 22
- alcestis (Quartinia)  
  Quartinia 22
- alfkeni (Masaris)  
  Jugurtia 17
- algerica (Masariella?)  
  Jugurtia 17
- Alpha  
  Paragia 6
- americana (Erynnis)  
  Trimeria 29
- Ammoparagia  
  Metaparagia 5
- andrei (Celonites)  
  Celonites 9
- andromeda (Quartinioides)  
  Quartinia 22
- angulata (Riekia)  
  Metaparagia 5
- antennata (Quartinia)  
  Quartinia 23
- antigone (Quartinioides)  
  Quartinia 23
- apiformis (Masaris)  
  Celonites abbreviatus 8
- araucana (Gayella)  
  Gayella 4
- araxana (Quartinia)  
  Quartinia 23
- arsinoe (Quartinioides)  
  Quartinia 23
- artemis (Quartinia)  
  Quartinia 23
- atacama (Microtrimeria)  
  Trimeria 30
- atra (Quartinia)  
  Quartinia 23
- atrata (Quartinia)  
  Quartinia 23
- aucta (Liris)



*Ceramius auctus* 14  
*australis* (Paragia)  
     Paragia 6  
*australis borealis* (Paragia)  
     Paragia *australis* ssp. 6  
  
*bariscapus*! (Pseudomasaris)  
     Pseudomasaris *basirufus* 21  
*bariscipus* (Pseudomasaris)  
     Pseudomasaris *basirufus* 21  
*basuto* (Quartinioides)  
     Quartinia 23  
*beaumonti* (Paraceramius)  
     Ceramius 14  
*bequaerti* (Trimeria)  
     Trimeria 30  
*bergenwahliae* (Celonites)  
     Celonites 9  
Beta  
     Paragia 6  
*beyeri* (Ceramius)  
     Ceramius 14  
*bicolor* (Paragia)  
     Paragia 6  
*bicolor* (Philanthus)  
     Ceramius 14  
*bidens* (Paragia)  
     Paragia *odyneroides* 7  
*bischoffi* (Ceramius)  
     Ceramius 14  
*biskrensis* (Jugurtia)  
     Jugurtia 17  
*borreriae* (Rolandia)  
     Metaparagia 5  
*brasiliensis* (Paramasaris)  
     Paramasaris 5  
*braunsi* (Ceramiellus)  
     Jugurtia 17  
*braunsi* (Ceramius)  
     Ceramius 14  
*braunsiella* (Masaris)  
     Jugurtia 17  
*brevitarsis* (Ceramius)  
     Ceramius 14  
*breyeri* (Quartinia)  
     Quartinia 23  
*buerschii* (Ceramius)  
     Ceramius 14  
*buerschii lycaonius* (Ceramius)  
     Ceramius *buerschii* 14  
*buyssoni* (Trimeria)  
     Trimeria *rhachiphora* 30

*caffer* (Ceramius)  
     Ceramius 14  
*calcarata* (Jugurtia)  
     Jugurtia 17  
*calida* (Paragia)  
     Paragia 6  
*canariensis* (Quartinia)  
     Quartinia 23  
*candida* (Quartinia)  
     Quartinia 23  
*capensis* (Celonites)  
     Celonites 9  
*capensis* (Ceramius)  
     Ceramius 14  
*capensis* (Quartinia)  
     Quartinia 23  
*capensis* var. *laeta* (Quartinia)  
     Quartinia *laeta* 25  
*capensis* var. *mærens* (Quartinia)  
     Quartinia *maerens* 26  
*capicola* (Ceramius)  
     Ceramius 14  
*carli* (Masaris)  
     Masaris 20  
*caucasicus* (Ceramius)  
     Ceramius 14  
*cazieri* (Pseudomasaris)  
     Pseudomasaris 21  
Celonites 8  
Celonitinae  
     Masarinae 4  
Ceramias!]  
     Ceramius 13  
Ceramiellus  
     Jugurtia 17  
Ceramioides  
     Ceramius 13  
Ceramiopsis 13  
Ceramius 13  
Ceramus!]  
     Ceramius 13  
*cerceriformis* (Ceramius)  
     Ceramius 14  
*cerceroides* (Gayella)  
     Gayella *patagonica* 4  
*ceres* (Masarina)  
     Masarina 19  
*ceres* (Quartinioides)  
     Quartinia 23  
Chelonites!]  
     Celonites 8  
*chlorotica* (Jugurtia)  
     Quartinia 23

- cincta (Quartinia)  
     Quartinia 24  
 clarus (Celonites)  
     Celonites 9  
 clypeatus (Celonites)  
     Celonites 9  
 clypeatus (Ceramius)  
     Ceramius 15  
 cockerelli (Microtrimeria)  
     Trimeria 30  
 codoni (Jugurtia)  
     Jugurtia 17  
 Coelonites[!]  
     Celonites 8  
 communis (Masarina)  
     Masarina familiaris 19  
 concinna (Paragia)  
     Paragia venusta 8  
 confluens (Paragia)  
     Metaparagia 5  
 confusa (Jugurtia)  
     Jugurtia 17  
 coquilletti (Pseudomasaris)  
     Pseudomasaris 21  
 Cotyledon  
     Pseudomasaris 21  
 crenulatus (Celonites)  
     Celonites 9  
 cressida (Quartinioides)  
     Quartinia 24  
 cretica (Quartinia)  
     Quartinia 24  
 cupreus (Paramasaris)  
     Paramasaris 5  
 Cygnaea  
     Paragia 6  
 cyllene (Quartinioides)  
     Quartinia 24  
 cynara (Quartinioides)  
     Quartinia 24  
 cyprius (Celonites)  
     Celonites 9  
 cyprius smyrnensis (Celonites)  
     Celonites cyprius ssp. 9  
  
 damarinus (Ceramius)  
     Ceramius 15  
 davidi (Celonites)  
     Celonites 9  
 deceptor (Paragia)  
     Paragia 6  
 deceptrix (Paragia)  
     Paragia deceptor 6  
  
 decipiens (Paragia)  
     Paragia 7  
 decipiens aliciae (Paragia)  
     Paragia decipiens ssp. 6  
 diana (Quartinioides)  
     Quartinia 24  
 dilecta (Quartinia)  
     Quartinia 24  
 discrepans (Masaris)  
     Jugurtia 17  
 discretus (Celonites)  
     Celonites 9  
 dispar (Celonites)  
     Jugurtia 18  
 doddi (Metaparagia)  
     Metaparagia 6  
 dryope (Quartinioides)  
     Quartinia 24  
 dubia (Chrysis)  
     Celonites abbreviatus 8  
 duplicata (Jugurtia)  
     Jugurtia 18  
  
 edwardsii (Masaris)  
     Pseudomasaris 21  
 elissa (Quartinioides)  
     Quartinia 24  
 eremobia (Quartinia)  
     Quartinia 24  
 Erynnis  
     Trimeria 29  
 escalerae (Jugurtia)  
     Jugurtia 18  
 Eucelonites  
     Celonites 8  
 Euceramius  
     Ceramius 13  
 eumenoides (Gayella)  
     Gayella 4  
 eurycara (Jugurtia)  
     Jugurtia 18  
 eurydice (Quartinioides)  
     Quartinia 24  
 Eurynnis[!]  
     Trimeria 29  
 excellens (Paragia)  
     Paragia sobrina 8  
  
 familiaris (Masarina)  
     Masarina 19  
 fischeri (Celonites)  
     Celonites 9  
 flava (Quartiniella)

- Quartinia 24  
 flavolineatus (Zethoides)  
   Paramasaris fuscipennis 5  
 fonscolombi (Ceramius)  
   Ceramius 15  
 fonscolombi oraniensis (Ceramius)  
   Ceramius fonscolombi ssp. 15  
 foveolatus (Celonites)  
   Celonites 9  
 foveolatus nigrior (Celonites)  
   Celonites foveolatus ssp. 9  
 fumipennis (Ceramius)  
   Ceramius linearis 15  
 funebris (Quartinia)  
   Quartinia 24  
 fuscipennis (Paramasaris)  
   Paramasaris 5  
  
 galataea (Quartinioides)  
   Quartinia 24  
 gariensis (Celonites)  
   Celonites 9  
 Gayella 4  
 Gayellini 4  
 Gazella[!]  
   Gayella 4  
 generosa (Paragia)  
   Paragia 7  
 gessi (Ceramius)  
   Ceramius 15  
 gestroi (Ceramiopsis)  
   Ceramiopsis 13  
 Gnatho  
   Ceramius 13  
 goleana (Quartinia)  
   Quartinia 24  
 guichardi (Celonites)  
   Celonites 10  
 guichardi (Quartinia)  
   Quartinia 25  
 gussakovskii (Masaris)  
   Masaris 20  
  
 haemorrhoea (Quartinia)  
   Quartinia 25  
 haemorrhoea frontalis (Quartinia)  
   ?Quartinia orientalis 27  
 halicticeps (Quartinia)  
   Quartinia 25  
 hamanni (Celonites)  
   Celonites 10  
 hammani[!] (Celonites)  
   Celonites hammani 10  
  
 hecuba (Quartinioides)  
   Quartinia 25  
 helena (Quartinioides)  
   Quartinia 25  
 helichrysi (Quartinioides)  
   Quartinia 25  
 hellenicus (Celonites)  
   Celonites 10  
 hessei (Ceramius)  
   Ceramius nigripennis 16  
 hetaira (Quartinioides)  
   Quartinia 25  
 hirsuta (Paragia)  
   Paragia 7  
 hispanicus (Ceramius)  
   Ceramius 15  
 hoggarica (Jugurtia)  
   Jugurtia jemenensis 18  
 Holopticus  
   Pseudomasaris 21  
 houstoni (Rolandia)  
   Metaparagia 6  
 howardi (Trimeria)  
   Trimeria 30  
 hua (Ammoparagia)  
   Metaparagia 6  
 humeralis (Celonites)  
   Celonites 10  
 hyalinipennis (Masarina)  
   Masarina 19  
 hylaeiformis (Ceramius)  
   Masaris vespiformis 20  
 hypatia (Quartinia)  
   Quartinia 25  
 hystrix (Celonites)  
   Celonites 10  
  
 indica (Quartinia)  
   Quartinia 25  
 interrupta (Quartinia)  
   Quartinia 25  
 iphigenia (Quartinioides)  
   Quartinia 25  
 irana (Jugurtia)  
   Jugurtia 18  
  
 jacoti (Ceramius)  
   Ceramius 15  
 jemenensis (Jugurtia)  
   Jugurtia 18  
 jemenesis[!] (Jugurtia)  
   Jugurtia jemenensis 18  
 jocasta (Quartinia)

- Quartinia 25  
 joergenseni (Trimeria)  
   Trimeria 30  
 joussaumei[!] (Celonites)  
   Celonites joussaumei 10  
 jousseaumei (Celonites)  
   Celonites 10  
 jousseaumei asrensis (Celonites)  
   Celonites jousseaumei jousseaumei 10  
 jousseaumei senegalensis (Celonites)  
   Celonites jousseaumei ssp. 10  
 Juartinia[!]  
   Quartinia 22  
 Juguartia[!]  
   Jugurtia 17  
 Jugurthia[!]  
   Jugurtia 17  
 Jugurthia  
   Jugurtia 17  
 Jugurtia 17  
 Jujurtha[!]  
   Jugurtia 17  
  
 karoensis[!] (Ceramius)  
   Ceramius bicolor 14  
 karroensis (Ceramius)  
   Ceramius bicolor 14  
 koeroegabensis (Jugurtia)  
   Jugurtia 18  
 kohli (Quartinia)  
   ? Quartinia major 26  
 kostylevi (Celonites)  
   Celonites 10  
 kozlovi (Celonites)  
   Celonites 10  
  
 laetus (Celonites)  
   Celonites 10  
 latitarsis (Celonites)  
   Celonites 10  
 latona (Quartinioides)  
   Quartinia 25  
 lesnei (Quartinia)  
   Quartinia 25  
 libanica (Quartinia)  
   Quartinia 26  
 lichtensteinii (Gnatho)  
   Ceramius 15  
 linearis (Ceramius)  
   Ceramius 15  
 lobeliae (Celonites)  
   Celonites 10  
 longicornis (Saryara)
- Masaris 20  
 longipilis (Celonites)  
   Celonites 11  
 luispenai (Gayella)  
   Gayella 4  
 lusitanicus (Ceramius)  
   Ceramius 15  
 lusitanicus var. luteo---clypeata (Ceramius)  
   Ceramius lusitanicus 15  
  
 macneilli (Pseudomasaris)  
   Pseudomasaris 21  
 macrocephalus (Ceramius)  
   Ceramius lichtensteinii 15  
 macswaini (Pseudomasaris)  
   Pseudomasaris 21  
 maculata (Paragia)  
   Metaparagia 6  
 maculifrons (Masaris)  
   Pseudomasaris 21  
 maculifrons (Quartinia)  
   Quartinia indica 25  
 magdalena (Paragia)  
   Paragia 7  
 major (Quartinia)  
   Quartinia 26  
 marginalis (Masaris)  
   Pseudomasaris 21  
 maroccanus (Paraceramius)  
   Ceramius 15  
 maroccanus rubripes (Ceramius)  
   Ceramius rubripes 16  
 Masariella  
   Jugurtia 17  
 Masarina 8 19  
 Masarini 5  
 Masaris 20  
 Massaris  
   Masaris 20  
 matabele (Quartinia)  
   Quartinia 26  
 mayeti (Celonites)  
   Celonites 11  
 Mazaridinae  
   Masarinae 4  
 Mazaris  
   Masaris 20  
   media (Quartinia)  
     Quartinia 26  
   medusa (Quartinia)  
     Quartinia 26  
   metallescens (Quartinia)  
     Quartinia 26

- metanotalis (Ceramius)  
     Ceramius 16  
 Metaparagia 5  
 Metazethoides  
     Paramasaris 4  
 metope (Quartinioides)  
     Quartinia 26  
 michaelsoni (Celonites)  
     Celonites 11  
 micheneri (Ceramius)  
     Ceramius 16  
 micheneri (Pseudomasaris)  
     Pseudomasaris 22  
 Microtrimeria  
     Trimeria 29  
 mimetica (Paragia)  
     Paragia 7  
 minima (Quartinia)  
     Quartinia 26  
 minuscula (Quartiniella)  
     Quartinia 26  
 mixta (Masarina)  
     Masarina 19  
 mixtoides (Masarina)  
     Masarina 19  
 mochi (Quartinia)  
     Quartinia 26  
 modestus (Celonites)  
     Celonites 11  
 modestus biinterruptus (Celonites)  
     Celonites modestus ssp. 11  
 modestus bisinterruptus[!] (Celonites)  
     Celonites modestus biinterruptus 11  
 mongolica (?Celonites)  
     Quartinia 26  
 monocesta (Paragia)  
     Paragia 7  
 monrosi (Trimeria)  
     Trimeria 30  
 montanus (Celonites)  
     Celonites 11  
 montanus (Ceramius)  
     Ceramius 16  
 morosa (Paragia)  
     Paragia 7  
 multipicta (Quartinioides)  
     Quartinia 26  
 mutilloides (Gayella)  
     Gayella 4  
 mutilloides nigerrima (Gayella)  
     Gayella mutilloides 4  
 nadigorum (Jugurtia)  
     Jugurtia 18  
 namaqua (Masarina)  
     Masarina 19  
 namibiensis (Priscomasaris)  
     Priscomasaris 5  
 nasuta (Paragia)  
     Paragia 7  
 neotropica (Jugurtia)  
     Trimeria 30  
 nigripennis (Ceramius)  
     Ceramius 16  
 nilotica (Quartinia)  
     Quartinia 26  
 niveopicta (Quartinia)  
     Quartinia 26  
 nocatunga (Riekia)  
     Metaparagia 6  
 nubiana (Quartinia)  
     Quartinia 26  
 numida[!] (Jugurtia)  
     Jugurtia oraniensis 18  
 numidica (Jugurtia)  
     Jugurtia oraniensis 18  
 nursei (Celonites)  
     Celonites 11  
 occidentalis (Masaris)  
     Pseudomasaris 22  
 ochracea (Quartinia)  
     Quartinia thebaica 28  
 ochraceopicta (Quartinia)  
     Quartinia 27  
 octoannulata (Saryara)  
     Celonites octoannulatus 11  
 octoannulatus hissaricus (Celonites)  
     Celonites octoannulatus ssp. 11  
 odyneroides (Gayella)  
     Gayella mutilloides 4  
 odyneroides (Paragia)  
     Paragia 7  
 oligomera (Paragia)  
     Paragia 7  
 oraniensis (Celonites)  
     Jugurtia 18  
 orientalis (Quartinia)  
     Quartinia 27  
 osseus (Celonites)  
     Celonites 11  
 palaestinensis (Paraceramius)  
     Ceramius 16  
 palaestinensis[!] (Ceramius)  
     Ceramius palaestinensis 16

- Paracelonites  
     Celonites 8  
 Paraceramius  
     Ceramius 13  
 paradoxa (Quartinia)  
     Quartinia 27  
 Paragayella  
     Paramasaris 5  
 Paragia 6  
 Paragiella  
     Paragia 6  
 Paragiina 5  
 paraguayensis (Ceramiopsis)  
     Ceramiopsis 13  
 Paramasaris 4  
 parcepunctata (Quartinia)  
     Quartinia 27  
 parvula (Masarina)  
     Masarina 19  
 parvula (Quartinia)  
     Quartinia 27  
 patagonica (Gayella)  
     Gayella 4  
 peliostomi (Celonites)  
     Celonites 11  
 peliostomi (Masarina)  
     Masarina 19  
 peringueyi (Ceramius)  
     Ceramius 16  
 perkinsi (Paragia)  
     Paragia 7  
 perone (Quartinia)  
     Quartinia 27  
 persephone (Quartinia)  
     Quartinia 27  
 persicus (Celonites)  
     Celonites 11  
 phaceliae (Pseudomasaris)  
     Pseudomasaris 22  
 philomela (Quartinioides)  
     Quartinia 27  
 phleomis! (Celonites)  
     Celonites phlomis 11  
 phlomis (Celonites)  
     Celonites 11  
 phoebe (Quartinioides)  
     Quartinia 27  
 pictifrons (Paragia)  
     Metaparagia 6  
 pictus (Celonites)  
     Celonites 11  
 pictus rufiventris (Celonites)  
     Celonites pictus ssp. 12  
 Plesiozethus  
     Paramasaris 4  
 pluto (Quartinia)  
     Quartinia 27  
 poecila (Quartinia)  
     Quartinia 27  
 popovi (Quartinia)  
     Quartinia 27  
 praedator (Paragia)  
     Paragia odyneroidea 7  
 Priscomasaris 5  
 Priscomasarina 5  
 promontorii (Celonites)  
     Celonites 12  
 propinqua (Quartinia)  
     Quartinia 27  
 propodealis (Paragia)  
     Paragia 7  
 proserpina (Quartinia)  
     Quartinia 27  
 Pseudomasaris 21  
 punctulata (Quartinia)  
     Quartinia 27  
 purcelli (Celonites)  
     Celonites 12  
 purcelli var. flavomaculatus (Celonites)  
     Celonites purcelli 12  
 pusilla (Quartinia)  
     Quartinia 28  
 pusilla! (Quartinia)  
     Quartinia pusilla 28  
 Quartinia 22  
 Quartinella  
     Quartinia 22  
 Quartinioides  
     Quartinia 22  
 rachiphorus! (Trimeria)  
     Trimeria rachiphora 30  
 reedi (Gayella)  
     Gayella 4  
 rex (Ceramius)  
     Ceramius 16  
 rhachiphorus (Odynerus)  
     Trimeria rhachiphora 30  
 richardsi (Ceramius)  
     Ceramius 16  
 richardsi (Paragayella)  
     Paramasaris 5  
 Riekia  
     Metaparagia 5  
 rohweri (Pseudomasaris)

- Pseudomasaris maculifrons* 21  
*Rolandia*  
   *Metaparagia* 5  
*romandi* (Erynnis)  
   *Masaris vespiformis* 20  
*rothschildi* (Celonites)  
   Celonites 12  
*rotschildi* [!] (Celonites)  
   Celonites *rothschildi* 12  
*rudesculptus* (Celonites)  
   Celonites 12  
*rufomaculatus* (Ceramius)  
   Ceramius *lichtensteinii* 15  
*rugiceps* (Celonites)  
   Celonites 12  
  
*Saryara*  
   *Masaris* 20  
*Saryarinae*  
   *Masarinae* 4  
*saussurei* (Masaris)  
   *Jugurtia* 18  
   *Masaris carli* 20  
*saussurei* [!] (Paragia)  
   Paragia *tricolor* 8  
*saussurii* (Paragia)  
   Paragia *tricolor* 8  
*savignyi* (Celonites)  
   ?Celonites *fischeri* 9  
*schulthessi* (Ceramius)  
   Ceramius *cerceriformis* 15  
*schulthessi* (Paragia)  
   Paragia 7  
*scutellimacula* (Quartinia)  
   Quartinia *capensis* 23  
*semenovi* (Celonites)  
   Celonites 12  
*senecionis* (Quartinioides)  
   Quartinia 28  
*separata* (Quartinia)  
   Quartinia 28  
*shestakovi* (Quartinia)  
   Quartinia 28  
*sicheliana* (Gayella)  
   Gayella *eumenoides* 4  
*signata* (Quartinia)  
   Quartinia 28  
*signata* var. *signatifrons* (Quartinia)  
   Quartinia *signatifrons* 28  
*simpsoni* (Jugurtia)  
   Jugurtia 18  
*smirnovi* (Masaris)  
   *Masaris carli* 20  
  
   *smithii* (Paragia)  
     Paragia 7  
   *sobrina* (Paragia)  
     Paragia 8  
   *socius* (Ceramius)  
     Ceramius 16  
   *soika* [!] (Quartinia)  
     Quartinia *soikai* 28  
   *soikai* (Quartinia)  
     Quartinia 28  
   *spinolae* (Masaris)  
     Jugurtia 18  
   *spinolai* [!] (Jugurtia)  
     Jugurtia *spinolae* 19  
   *spinosus* (Celonites)  
     Celonites 12  
   *spiricornis* (Ceramius)  
     Ceramius *auctus* 14  
   *spiolai* [!] (Jugurtia)  
     Jugurtia *spinolae* 19  
   *striata* (Quartiniella)  
     Quartinia 28  
   *strucki* (Masarina)  
     Masarina 20  
   *syriaca* (Quartinia)  
     Quartinia 28  
   *syriaca nitens* (Quartinia)  
     Quartinia *syriaca* ssp. 28  
  
   *tarsata* (Quartinioides)  
     Quartinia 28  
   *tenerifina* (Quartinia)  
     Quartinia 28  
   *testaceopicta* (?Masariella)  
     Jugurtia *simpsoni* 18  
   *texanus* (Masaris)  
     Pseudomasaris 22  
   *thabaica* [!] (Quartinia)  
     Quartinia *thebaica* 29  
   *thebaica* (Quartinia)  
     Quartinia 28  
   *thebica* [!] (Quartinia)  
     Quartinia *thebaica* 28  
   *tianshanicus* (Masaris)  
     Masaris 20  
   *tigrina* (Jugurtia)  
     Jugurtia 19  
   *titania* (Quartinioides)  
     Quartinia 29  
   *toriger* (Ceramius)  
     Ceramius 16  
   Toryna  
     Pseudomasaris 21

- tricolor (Paragia)  
     Paragia 8  
 tricolorata (Quartinia)  
     Quartinia 29  
 Trimeria 29  
 tripolitana (Quartinia)  
     Quartinia 29  
 tripolitana sinaitica (Quartinia)  
     Quartinia tripolitana ssp. 29  
 tristiculus (Celonites)  
     Celonites 12  
 tristiculus karatauicus (Celonites)  
     Celonites tristiculus ssp. 12  
 tuareg (Quartinia)  
     Quartinia 29  
 tuberculifer (Ceramius)  
     Ceramius 16  
 tumidiscutellatus (Celonites)  
     Celonites 12  
 turneri (?Masariella)  
     Jugurtia 19  
 turneri (Celonites)  
     Celonites 12  
 turneri (Quartiniella)  
     Quartinia 29  
 turneri eburnea (Masariella)  
     Jugurtia eburnea 18  
 tylecodoni (Masarina)  
     Masarina 20  
  
 uzbeki (Quartinia)  
     Quartinia 29  
  
 vagepunctata (Quartinia)  
     Quartinia 29  
 variegata (Quartinia)  
     ? Quartinia signata 28  
 varipennis (Celonites)  
     Celonites 12  
 vechti (Ceramius)  
     Ceramius 17  
 venusta (Paragia)  
     Paragia 8  
 vespiformis (Ceramius)  
     Ceramius cerceriformis 15  
 vespiformis (Cimbex)  
     Celonites abbreviatus 8  
 vespiformis (Masaris)  
     Masaris 20  
 vespiformis (Paragia)  
     Paragia 8  
 vespiformis aegyptiacus (Masaris)  
     Masaris aegyptiacus 20  
 vespiformis arabicus (Masaris)  
     Masaris aegyptiacus ssp. 20  
 vespoides (Masaris)  
     Pseudomasaris 22  
 vespoides robertsoni (Pseudomasaris)  
     Pseudomasaris vespoides 22  
  
 wahlenbergiae (Celonites)  
     Celonites 13  
 walkeri (Paragia)  
     Paragia 8  
 waterstoni (Quartiniella)  
     Quartinia 29  
 wheeleri (Celonites)  
     Celonites 13  
 wheeleri (Pseudomasaris)  
     Pseudomasaris 22  
 wheeleri var. immaculatus (Celonites)  
     Celonites wheeleri 13  
 Willinkia  
     Trimeria 29  
  
 yemenensis (Celonites)  
     Celonites 13  
 yemenensis ethiopicus (Celonites)  
     Celonites yemenensis ssp. 13  
 yemensis[!] (Celonites)  
     Celonites 13  
  
 zarudnyi (Jugurtia)  
     Jugurtia 19  
 zavattarii (Celonites)  
     Celonites 13  
 Zethoides  
     Paramasaris 4  
 zonalis (Masaris)  
     Pseudomasaris 22  
 zonalis albopictus (Pseudomasaris)  
     Pseudomasaris zonalis 22  
 zonalis basirufus (Pseudomasaris)  
     Pseudomasaris basirufus 21  
 zonalis neomexicanus (Pseudomasaris)  
     Pseudomasaris maculifrons 21



Recent issues of the *Novitates* may be purchased from the Museum. Lists of back issues of the *Novitates* and *Bulletin* published during the last five years are available at World Wide Web site <http://nimidi.amnh.org>. Or address mail orders to: American Museum of Natural History Library, Central Park West at 79th St., New York, NY 10024. TEL: (212) 769-5545. FAX: (212) 769-5009. E-MAIL: [scipubs@amnh.org](mailto:scipubs@amnh.org)

⊗ This paper meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).