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AN ANNOTATED CATALOGUE OF PRIMARY TYPES OF SYMPHYTA (HYMENOPTERA) IN THE NETHERLANDS

by

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The primary types of 48 species of Symphyta (Hymenoptera), described by Van Achterberg & Van Aartsen (2), Benson (7), Cameron (1), Forsius (13), Koornneef (1) and Snellen van Vollenhoven (24), housed in the collections of the Rijksmuseum van Natuurlijke Historie (Leiden), the Instituut voor Taxonomische Zoologie (Universiteit van Amsterdam) and the Laboratorium voor Entomologie (Landbouw Universiteit Wageningen) are listed. Lectotypes are designated for 16 species group names. The synonymy has been checked. One new combination, *Gilpinia verticalis* (Snellen van Vollenhoven, 1858), and two new synonymys are proposed: *Gilpinia verticalis* Gussakovskij, 1947 = *G. catocala* (Snellen van Vollenhoven, 1858) and *Nematus trimaculatus* Snellen van Vollenhoven, 1862 = *N. capreae* (Linnaeus, 1758). Six species group names described by Snellen van Vollenhoven are listed for which no type-specimens could be located.

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INTRODUCTION

When the collection of Symphyta of the late Dr. S.J. van Ooststroom, by profession a botanist specialized in tropical Convolvulaceae and the Dutch flora, but also an enthusiastic collector of insects, was kindly presented to the Rijksmuseum van Natuurlijke Historie at Leiden in 1982, it became necessary to rearrange the entire museum collection of Symphyta. All primary types (holotypes and lectotypes) were separated and stored in the collection of primary types of Hymenoptera, which is under the custody of the curator of Hymenoptera, Dr. C. van Achterberg.

The first Dutch scientist to describe Symphyta was Snellen van Vollenhoven (1816-1880). Being curator of entomology at the Rijksmuseum van Natuurlijke Historie (abbreviation: RMNH), most of his collections are housed now in this museum, but some of his specimens, including types, were incorporated in the collections of J.Th. Oudemans and, via the collections of the Nederlandse Entomologische Vereniging, are now housed in the Instituut voor Taxonomische Zoologie at the University of Amsterdam (abbreviation: ITZ). Finally a few are housed in the Laboratorium voor Entomologie of the Agricultural University of Wageningen (abbreviation: LEW), as former part of the society collections. These specimens have been relabeled by Oudemans and part of them have been studied by Konow, which follows from a note "Konow vide" at the underside of the label.

This study was originally intended to catalogue primary types in the RMNH, but has been broadened to all primary types of Symphyta in public collections in The Netherlands to re-locate Vollenhoven's types.

All types, primary and secondary, have been labelled accordingly (holo-, syn-, allo- and paratype). Lecto- and paralectotypes which are here designated have been labelled "Lectotype Thomas 1987" and "Paralectotype Thomas 1987", respectively.

In the first section of this article, the Symphyta families are arranged alphabetically, and the species group names are arranged alphabetically within each family. All synonymy has been verified by comparing with descriptions, but only to the extent possible without getting involved in revisionary studies.

The second section includes those species group names for which no types could be found (see discussion under that heading). Species group names are numbered consecutively in both sections. An index of generic and specific names is given at the end.

The format of each entry follows that of Sarazin (1985). The species group name and genus as given in the original description, each followed by their author, is followed by any changes in nomenclature after a slash (/). Justified emendations may be indicated after the slash; unjustified emendations are ignored. Next, the original reference is given as well as the authority for any synonymy or new combinations. If considered significant, additional synonymy is presented. Data for the type specimen(s) are the sex, number of syntypes (if any), designation of lectotype (if necessary), and pertinent label data (e.g., locality, collection date, collector). Current names of localities may be given in brackets and are from The Times Atlas of the World (1968). Lastly, the condition of the type is described, whether or not parts have been dissected or mounted, and a statement regarding secondary types (if any) concludes the entry.

SPECIES GROUP NAMES FOR WHICH THE TYPE HAS BEEN
STUDIED

Family ARGIDAE

1. *cibdeliformis* Benson *Lophyrotoma* Ashmead. *Lophyrotoma cibdeliformis* Benson, 1958: 15-16, figs. 1-2.

Holotype: female in RMNH. "Museum Leiden. H. Boschma. W.C. Nieuw Guinea. Wisselmeren. Paniai 1750 m. IX-XI-1939." Parts missing: ultimate segment of hind- and left midlegs. Two paratypes, female and male, in RMNH.

2. *flava* Snellen van Vollenhoven *Hylotoma* Latreille / *nigronodosa* (Motschulsky) *Arge* Schrank. *Hylotoma flava* Snellen van Vollenhoven, 1860: 129-130.

Synonymized with *Arge nigrinodosa* (Motschulski, 1859), misspelling, by Kirby, 1882: 64.

Syntypes: two females in RMNH. Lectotype female here designated. "v. Siebold. Japan." Parts missing: one respectively four segments of right mid- and hindleg. One paralectotype, female, in RMNH.

3. *humeralis* Snellen van Vollenhoven *Hylotoma* Latreille / *rejecta* Kirby *Arge* Schrank. *Hylotoma humeralis* Snellen van Vollenhoven, 1860: 129.

Transferred to *Arge* Schrank by Konow, 1905: 20, where it is preoccupied by *Hylotoma humeralis* Palisot de Beauvois, 1809. This was printed originally as "*Hylostoma*" but is considered to be a printing error since Beauvois spells it "*Hylotoma*" elsewhere. For the date of publication see Menke, 1962. *Arge rejecta* (Kirby, 1882) is the next available name (Dalla Torre, 1894: 340).

Syn.: *Hylotoma ephippiata* Smith, 1874 nec Klug, 1834.

Holotype: female in RMNH. "v. Siebold. Japan." Parts missing: flagellum of right antenna, tarsus of right foreleg.

4. *microcephala* Snellen van Vollenhoven *Hylotoma* Latreille / *Pampsilota* Konow (*Tanyphatnidea* Rohwer). *Hylotoma microcephala* Snellen van Vollenhoven, 1860: 130.

Transferred to *Pampsilota* by Konow, 1899: 77, to subgenus *Tanyphatnidea* Rohwer, 1912 by Malaise, 1941: 132. Subjective synonym and secondary homonym: *Tanyphatnidea microcephala* Rohwer, 1912.

Syntypes: three females in RMNH. Lectotype female here designated. "Muller. Java." Two paralectotypes, females, in RMNH.

5. *similis* Snellen van Vollenhoven *Hylotoma* Latreille / *Arge* Schrank.
Hylotoma similis Snellen van Vollenhoven, 1860: 128.

Transferred to *Arge* Schrank by Konow, 1898: 271.

Syntypes: three females in RMNH. Lectotype female here designated. "v. Siebold. Japan". Parts missing: flagellum of left antenna and last segment of right hindtarsus. Two paralectotypes, females, in RMNH.

Family CEPHIDAE

6. *elongatus* Snellen van Vollenhoven *Cephus* Latreille / *filiformis* (Eversmann) *Calameuta* Konow. *Cephus elongatus* Snellen van Vollenhoven, 1858a: 280.

Synonymized with *Calameuta filiformis* (Eversmann, 1847) by Konow, 1904b: 121.

Syntypes: two males out of five, one in RMNH, one in ITZ. Lectotype male here designated, in RMNH. "v. Voll. Sterkenburg" [near Driebergen]. One paralectotype, male, in ITZ.

Family DIPRIONIDAE

7. *catocalus* Snellen van Vollenhoven *Lophyrus* Latreille / *catocala* (Snellen van Vollenhoven) *Gilpinia* Benson **comb. nov.** *Lophyrus catocalus* Snellen van Vollenhoven, 1858a: 276-277.

Syn.: *Gilpinia verticalis* Gussakovskij, 1947: 154-155, 227-228, figs. 99-100, **syn. nov.**

Syntypes: two females and two males in RMNH, one female in ITZ and three females in LEW. Lectotype female here designated, in RMNH. "v. Voll. Groesb." [Groesbeek near Nijmegen]. Part missing: left foretarsus. Seven paralectotypes, one female and two males in RMNH, one female in ITZ and three females in LEW.

Note: the type of *G. verticalis* Gussakovskij has not been studied, but because the lectotype of *L. catocalus* Snellen van Vollenhoven runs directly to *G. verticalis* in Gussakovskij's key and it also completely agrees with the description, this new synonymy is proposed here.

Family ORUSSIDAE

8. *trifasciatus* Cameron *Orussus* Latreille / *trifasciata* (Cameron) *Stirocoris* Konow. *Oryssus trifasciatus* Cameron, 1906: 41-42.

Transferred to *Stirocorsia* Konow by Guiglia, 1965: 14.

Holotype: female in ITZ. "Manokwari. 8 juni '03." [New Guinea]. Parts missing: flagellum of left antenna, right foreleg.

Family PAMPHILIIDAE

9. *maculifrons* Snellen van Vollenhoven *Lyda* Fabricius / *nemoralis* (Linnaeus) *Neurotoma* Konow. *Lyda maculifrons* Snellen van Vollenhoven, 1858a: 279.

Synonymized with *Neurotoma nemoralis* (Linnaeus, 1758) by Van Achterberg & Van Aartsen, 1986: 24.

Holotype: male in RMNH. "Six. Utrecht." Parts missing: antenna except seven segments of left one; right foreleg and parts of all but one tarsi. The specimen is glued to a card.

10. *nigricornis* Snellen van Vollenhoven *Lyda* Fabricius / *Pamphilius* Latreille. *Lyda nigricornis* Snellen van Vollenhoven, 1858a: 279-280.

Regarded to be the male of *Pamphilius sylvarum* (Stephens, 1835) by Konow, 1903b: 331 (as "sylvarum", Konow rather was stubborn in some aspects) and Benson, 1951: 12. Provisionally treated by Van Achterberg & Van Aartsen, 1986: 42 as valid species.

Holotype: male in RMNH. "v. Voll. Haag 5." [The Hague, May]. Parts missing: flagella of both antennae, both forewings, last segment of right foretarsus, mid- and hindlegs. The abdomen is glued to the thorax.

11. *teunisseni* Van Achterberg & Van Aartsen *Acantholyda* Costa. *Acantholyda teunisseni* Van Achterberg & Van Aartsen, 1986: 13-15, figs. 51, 52, 58-60.

Holotype: female in RMNH. "Moscardon (Ter.) E. 31-5-1984. ± 1900 m. Teruel. Leg. H. Teunissen." [Spain].

12. *viridipes* Van Achterberg & Van Aartsen *Pamphilius* Latreille. *Pamphilius viridipes* Van Achterberg & Van Aartsen, 1986: 45-47, figs. 262-269.

Holotype: female in RMNH. "Kranenburg. Gem. Vorden. Gld. 16.V.1984. B. van Aartsen." [Gelderland].

Family SIRICIDAE

13. *sucineiceps* Koornneef *Paururus* Konow / *juvencus* (Linnaeus) *Sirex* Linnaeus. *Paururus sucineiceps* Koornneef, 1935: XIV-XV.

Synonymized with *Sirex juvencus juvencus* (Linnaeus, 1758) by Benson, 1943: 37. F. Midtgaard studied the type and agrees with this synonymy (in litt.).

Holotype: female in RMNH. "A.L. Brandhorst, Den Haag. Uit Slavonisch eikenhout." [from *Quercus*-timber imported from Yugoslavia?]. Parts missing: tarsi of hindlegs, abdomen except two segments. One paratype, male, in RMNH.

Family TENTHREDINIDAE

14. *albicornis* Forsius *Anapeptamena* Konow / *Nesoselandria* Rohwer. *Anapeptamena albicornis* Forsius, 1929: 57-58.

Transferred to *Nesoselandria* Rohwer by Malaise, 1944: 15.

Holotype: female in RMNH. "Fort de Kock. (Sumatra) 920 m. 1925. Leg. E. Jacobson." [Bukittinggi]. Part missing: flagellum of right antenna.

15. *aquilegiae* Snellen van Vollenhoven *Nematus* Panzer / *Pristiphora* Latreille. *Nematus aquilegiae* Snellen van Vollenhoven, 1866: 202-205, pl. 9.

Transferred to *Pristiphora* Latreille by Konow, 1890: 247. Syn.: *Pristiphora alnivora* (Hartig, 1840): auct., nom. dub. according to Lindqvist, 1962: 105-107.

Syntypes: four females and two males. Lectotype female here designated, in RMNH. "v. Voll. Renkum 6." [June]. The saw is mounted on a slide, number 298. Two paralectotypes, female and male, in RMNH, three more, two females and one male, in ITZ.

16. *brachycera* Forsius *Jacobsoniella* Forsius nec Melichar / *procinctus* (Konow) *Rhopographus* Konow. *Jacobsoniella brachycera* Forsius, 1929: 66-67.

Synonymized with *Rhopographus procinctus* (Konow, 1898) by Forsius, 1933: 188.

Holotype: female in RMNH. "Fort de Kock. (Sumatra) 920 m. 1925. Leg. E. Jacobson." [Bukittinggi]. Parts missing: flagellum of left antenna, dorsal parts of cenchri.

17. *busaei* Snellen van Vollenhoven *Dolerus Jurine / cothurnatus* (Lepeletier). *Dolerus busaei* Snellen van Vollenhoven, 1858a: 277.

Synonymized with *Dolerus cothurnatus* (Lepeletier, 1823) by Konow, 1905: 113.

Syntypes: four males out of six in RMNH, three belonging to *Dolerus cothurnatus* (Lepeletier) and one to *D. germanicus* (Fabricius, 1775). Lectotype male here designated according to description and agreeing with Konow's opinion. "Haarlem. Buse." Parts missing: left midleg and two segments of right antenna. The genital capsule is glued on a card. Three paralectotypes, males, in RMNH.

18. *catachloris* Snellen van Vollenhoven *Nematus Panzer / tibialis* Newman. *Nematus catachloris* Snellen van Vollenhoven, 1869: 97, 120, pl. III.

Synonymized with *Nematus tibialis* Newman, 1837 by Konow, 1903a: 372.

Holotype: one female in ITZ. "Leiden. v. Voll. *catachloris* v. Voll. *Pter. hortensis* Htg. Konow vide." Parts missing: three and one segments respectively of left and right antenna, ultimate segment of left midtarsus.

19. *cereipes* Snellen van Vollenhoven *Selandria Leach / coronatus* (Klug) *Aneugmenus* Hartig. *Selandria cereipes* Snellen van Vollenhoven, 1873: 13-15.

Synonymized with *Selandria coronata* (Klug, 1818) by Konow, 1905: 94.

Syntypes: eight females. Lectotype female here designated, in RMNH. "d. Roo. Velp." Parts missing: left midleg, four segments of left antenna. Three paralectotypes in RMNH, two in ITZ and two in LEW, all females.

20. *humeralis* Snellen van Vollenhoven *Selandria Leach / Claremontia* Rohwer. *Selandria humeralis* Snellen van Vollenhoven, 1869: 122.

Synonymized with *Selandria tenuicornis* (Klug, 1818) by Konow, 1905: 84, but reestablished on species level by Viitasaari & Vikberg, 1985: 9.

Holotype: female in RMNH. "v. Voll. Gliph." [Gliphoeve near Haarlem]. Both right wings are mounted on a card, the saw on a slide, number 297.

21. *immaculatus* Snellen van Vollenhoven *Nematus Panzer / salicis* (Linnaeus). *Nematus immaculatus* Snellen van Vollenhoven, 1869: 95, 119.

Synonymized with *Nematus salicis* (Linnaeus, 1758) by Konow, 1904a: 41.

One syntype out of several in ITZ. Lectotype male here designated, in ITZ. "Schoten. 15 aug. 1868. Rits. = *immaculatus* v. Voll. *Pt. salicis* L." Parts missing: three segments of right antenna, parts of all except left midtarsus. The genital capsule is mounted on a card.

22. *jacobsoni* Forsius *Canoniades* Forsius / *Busarbidea* Rohwer. *Canoniades jacobsoni* Forsius, 1929: 60-61.

Transferred to *Busarbidea* Rohwer by Malaise, 1944: 22.

Holotype: male in RMNH. "Fort de Kock. (Sumatra) 920 m. 1924. Leg. E. Jacobson." [Bukittinggi]. Parts missing: antennae except of left three and of right one segment. The specimen had to be remounted.

23. *jacobsoni* Forsius *Canonias* Konow / *inopinus* Konow. *Canonias jacobsoni* Forsius, 1929: 58-59.

Synonymized with *Canonias inopinus* Konow, 1901 by Malaise, 1947: 37-38.

Holotype: female in RMNH. "Fort de Kock. (Sumatra) 920 m. 1926. Leg. E. Jacobson." [Bukittinggi]. Very badly damaged by Dermestidae, only fragments remain. Allotype male in RMNH.

24. *jacobsoni* Forsius *Corporaalinus* Forsius. *Corporaalinus jacobsoni* Forsius, 1929: 54-55.

Holotype: female in RMNH. "Fort de Kock. (Sumatra) 920 m. 1924. Leg. E. Jacobson." [Bukittinggi]. Parts missing: right antenna and two segments of right hindtarsus.

25. *jacobsoni* Forsius *Stromboceridea* Rohwer / *Euforsius* Malaise. *Stromboceridea jacobsoni* Forsius, 1929: 61-63.

Transferred to *Euforsius* by Malaise, 1944: 56.

Holotype: female in RMNH. "Tandjunggaddang. (Sumatra's Westkust). 1000 m. 1926. Leg. E. Jacobson." [20 km ESE of Muara]. Parts missing: two segments of left antenna. The headcapsule is damaged by Dermestidae. Allotype male in RMNH, seventeen paratypes, thirteen females and four males, in ITZ.

26. *karakorumensis* Forsius *Macrophya* Dahlbom. *Macrophya karakorumensis* Forsius, 1935: 241-242.

Holotype: male in ITZ. 'Nederlandsche Karakorum-Expeditie. J.A. Sillem leg. Tehrong Valley near Siachen gletscher. 4125 m. 20-26.VI.1929.' [Siachen glacier in Baltistan, Kashmir]. Three paratypes, males, in ITZ.

27. *karnyi* Forsius *Stromboceros* Konow / *congener* Konow *Neostromboceros* Rohwer. *Stromboceros (Neostromboceros) karnyi* Forsius, 1930: 33-44.

Synonymized with *Neostromboceros congener* (Konow, 1901b) by Malaise, 1944: 40.

Holotype: female in RMNH. "Tjibodas. 1400 m. VIII.1921. No. 126." [Java, Cibodas 10 km S of Djampang Kulon]. Parts missing: flagella of both antennae.

28. *lugdunensis* Snellen van Vollenhoven *Nematus* Panzer / *vesicator* (Bremi) *Pontania* Costa. *Nematus lugdunensis* Snellen van Vollenhoven, 1871: 243-248, pl. 11.

Synonymized with *Pontania vesicator* (Bremi, 1849) by Konow, 1901a: 90. This synonymy needs confirmation!

Syntype: one male in ITZ. Lectotype here designated, male, in ITZ. "v. Voll. Noordw. 5." [Noordwijk near Leiden, May]. Genital capsule mounted on a card.

29. *montana* Forsius *Anapeptamena* Konow / *Nesoselandria* Rohwer. *Anapeptamena montana* Forsius, 1929: 56-57.

Transferred to *Nesoselandria* Rohwer by Malaise, 1944: 17.

Holotype: male in RMNH. "Gunung Singgalang. Sumatra's Westkust). 1800 m. VII.1925. Leg. E. Jacobson." [mountain S of Bukittinggi]. Parts missing: flagellum of left and two segments of right antenna. The specimen is glued to a point.

30. *nigripennis* Benson *Amonophadnus* Rohwer. *Amonophadnus nigripennis* Benson, 1935: 172, fig. 4.

Holotype: female in RMNH. "Mt. Gedeh. Tapos. 1000 m. 20/26-I-33. J. v.d. Vecht." [20 km SE of Bogor]. Part missing: right midtarsus. The left forewing is glued to the thorax. Benson mounted the saw on a slide, number 44.

31. *pectoralis* Snellen van Vollenhoven *Nematus* Panzer / *clitellatus* (Lepeletier) *Pachynematus* Konow. *Nematus pectoralis* Snellen van Vollenhoven, 1867: 223, pl. 10.

Synonymized with *Pachynematus clitellatus* (Lepeletier, 1823) by Enslin, 1916: 480.

Syntypes: two females, one from vicinity of Utrecht not found, another from Brummen, in ITZ. Lectotype female here designated, in ITZ. "Brummen. Aug. v. Voll. Pach. capreae PZ. Konow vid."

32. *phthisica* Snellen van Vollenhoven *Selandria* Leach / *delicatula* (Fallén) *Stromboceros* Konow. *Selandria phthisica* Snellen van Vollenhoven, 1869: 123, pl. 3.

Synonymized with *Stromboceros delicatulus* (Fallén, 1808) by Konow, 1890: 250.

Holotype: female in RMNH. "v. Voll. Beekbergerwoud." [near Beekbergen]. Parts missing: four, respectively five, segments of right and left antenna.

33. *pinguis* Snellen van Vollenhoven *Phyllotoma* Fallén / *ochropodus* (Klug) *Heterarthrus* Stephens. *Phyllotoma pinguis* Snellen van Vollenhoven, 1869: 121, pl. 3.

Synonymized with *Phyllotoma ochropoda* (Klug, 1818) by Konow, 1890: 248.

Holotype: female in RMNH. "V. d. W. Haag 5." [leg. Van der Wulp at The Hague in May].

34. *pullus* Benson *Amonophadnus* Rohwer. *Amonophadnus pullus* Benson, 1935: 173, fig. 3.

Holotype: female in RMNH. "Java. 1375 m. Rarahan Gedeh. 21-6-32. H.R.A. Muller." [?, locality not found].

35. *puncticeps* Benson *Athlophorus* Burmeister. *Athlophorus puncticeps* Benson, 1935: 177-179, fig. 7.

Holotype: female in RMNH. "Mt. Gedeh. Tapos. 800 m. 13/19-III-33. J. v.d. Vecht." [20 km SE of Bogor]. Parts missing: flagellum of left and four segments of right antenna, right foretarsus. Benson mounted the saw on a slide, number 45.

36. *rufa* Benson *Neostromboceros* / *rufus* Benson. *Neostromboceros rufa* Benson, 1935: 173-174, fig. 5.

Holotype: male in RMNH. "J. v.d. Vecht. Java. Mt. Gedeh. Tapos. 700 m. VII.1933." [20 km SE of Bogor]. Parts missing: flagellum of right antenna and left foreleg.

37. *similis* Forsius *Athlophorus* Burmeister. *Athlophorus similis* Forsius, 1929: 68-69.

Holotype: female in RMNH. "Fort de Kock. (Sumatra). 920 m. 1925. Leg. E. Jacobson." [Bukittinggi]. The specimen is glued to a point. Two paratypes, females, in ITZ.

38. *sixii* Snellen van Vollenhoven *Selandria* Leach. *Selandria sixii* Snellen van Vollenhoven, 1858a: 278.

Holotype: female in RMNH. "Six. Utr." [Utrecht]. Parts missing: flagellum of right antenna and both hindtarsi.

39. *solea* Snellen van Vollenhoven *Nematus* Panzer / *wesmaeli* (Tischbein) *Pristiphora* Latreille. *Nematus solea* Snellen van Vollenhoven, 1870: 59-60, pl. 1.

Synonymized with *Pristiphora wesmaeli* (Tischbein, 1853) by Konow, 1904c: 198.

Holotype: male in ITZ. "Voorst? Wtt. Lyg. wesmaeli Tischb. Konow vid." This male specimen is the only imago Vollenhoven was able to rear from last instar larvae the collector, Wtewaal, had sent to him. He did not mention the collecting site in his description. Parts missing: three and two segments of right and left antenna respectively, left fore- and mid-, and right hindtarsus. Genital capsule mounted on a card, penisvalves on a slide which is placed on the pin.

40. *soror* Snellen van Vollenhoven *Selandria* Leach / *aethiops* (Fabricius) *Endelomyia* Ashmead. *Selandria soror* Snellen van Vollenhoven, 1869: 104, 123.

Synonymized with *Endelomyia aethiops* (Fabricius, 1781) by Konow, 1890: 248.

Syntypes: two females in ITZ. Lectotype female here designated. 'Eriocampoides aethiops F. Leiden. 7. v. Vollenh.' One paralectotype, female, in ITZ.

41. *subtilis* Benson *Stromboceros* Konow. *Stromboceros subtilis* Benson, 1935: 175, fig. 5.

Holotype: male in RMNH. "Java, 1400-1700 m. Tjibodas Gedeh. 28-6-32. H.R.A. Muller." [Cibodas, 10 km S of Djampang Kulon]. Parts missing: right midleg and left midtarsus. Benson mounted the genital capsule on a slide, number 47.

42. *sumatranus* Forsius *Athlophorus* Burmeister. *Athlophorus sumatranus* Forsius, 1929: 67-68.

Holotype: female in RMNH. "Fort de Kock. (Sumatra) 920 m. Februari 1922. Leg. E. Jacobson." [Bukittinggi]. Parts missing: ultimate segment of right antenna and of right midtarsus. hindtarsi except right basitarsus. The abdomen is damaged by Dermestidae and glued to hindcoxae. Allotype in RMNH.

43. *sumatranus* Forsius *Neothrinax* Enslin. *Neothrinax sumatranus* Forsius, 1929: 63-64.

Holotype: male in RMNH. "Fort de Kock. (Sumatra) 920 m. 1926. Leg. E. Jacobson." [Bukittinggi]. Parts missing: flagella of both antennae and left fronttarsus. The abdomen is damaged by Dermestidae.

44. *trimaculatus* Snellen van Vollenhoven *Nematus* Panzer / *capreae* (Linnaeus). *Nematus trimaculatus* Snellen van Vollenhoven, 1862: 69-71, pl. 4; preoccupied by Lepeletier, 1823: 69. *Nematus capreae* (Linnaeus, 1758) sensu Lindqvist, 1957: 83-85, Benson, 1961: 193 and Muche, 1974: 13. **New synonymy.**

Syntypes: two females out of six in RMNH. Lectotype female here designated, in RMNH. "v. Voll. Leid. 5." [Leiden, May]. Parts missing: two segments of right antenna. The saw is mounted on a slide, number 312. One paralectotype, female, in RMNH.

45. *vallator* Snellen van Vollenhoven *Nematus* Panzer / *compressicornis* (Fabricius) *Stauronematus* Benson. *Nematus vallator* Snellen van Vollenhoven, 1858b: 191-194, pl. 12.

Synonymized with *Lygaeonematus compressicornis* (Fabricius, 1804) by Konow, 1890: 247.

Syntypes: one female and one male in RMNH. Lectotype female here designated. "v. Voll. Leid. 6." [Leiden, June]. Part missing: ultimate segment of right antenna. One paralectotype, male, in RMNH.

46. *variabilis* Mocsáry var. *karakorumensis* Forsius *Allantus* Panzer / *Tenthredo* Linnaeus. *Allantus variabilis* Mocsáry, 1909 var. *karakorumensis* Forsius, 1935: 243-244.

Holotype: female in ITZ. "Nederlandsche Karakorum-Expeditie. J.A. Sillem leg. Tehrong valley near Siachen gletscher. 4125 m. 20-26.VI.1929." [Siachen glacier in Baltistan, Kashmir]. One paratype, male, in ITZ.

47. *wtewaalli* Snellen van Vollenhoven *Nematus* Panzer / *pavidus* Lepeletier. *Nematus wtewaalli* Snellen van Vollenhoven, 1862: 65-68, pl. 4.

Synonymized with *Nematus pavidus* Lepeletier, 1823 by Konow, 1905: 57.

Syntype: one female in RMNH. Lectotype female here designated. "Wtew. Utrecht." Parts missing: flagella of both antennae. The saw is mounted on a slide, number 303.

Family XIPHYDRIIDAE

48. *quadricincta* Benson *Xiphydriola* Semenov Tian-Shanskij / *Indoxiphia* Maa. *Xiphydriola quadricincta* Benson, 1935: 168-171, fig. 2.

Transferred to *Indoxiphia* Maa by Maa, 1950: 67, 169.

Holotype: female in RMNH. "L.G.E. Kalshoven. Java. Pemalang. VII.1928. N§ 475." Part missing: flagellum of right antenna.

SPECIES GROUP NAMES FOR WHICH NO TYPES HAVE BEEN LOCATED

In this section are those species group names for which no types could be found. Snellen van Vollenhoven did not label these types, even did not add a name card to the pin. Some of his specimens came in the collection of J.Th. Oudemans, who relabeled them to his own standard. Later on these came in the collections of the Entomological Society of the Netherlands, the N.E.V., while the latter has been distributed over the LEW and the ITZ again. It has been difficult to find some of these types. A lot of them seem to have been lost, as indicated by following list. However, since the last inspection, see Krikken et al., (1981: 257-258), some have been relocated, so some of the following may also be found in future.

From notes on the underside of Oudeman's labels on specimens now in the ITZ it follows that Konow has seen a number of Vollenhoven's types (see numbers 18, 31 and 39 in preceding section) and because it is possible that he also has seen the lost specimens, synonymy is deduced from Konow (1905) and translated in modern usage only, as it seems rather impossible to do better than he did. Only the interpretation of the name of *Corynis sanguinea* (Snellen van Vollenhoven) seems without doubt. In all other cases interpretations are not certain.

Arrangement of species group names is the same as in the preceding section.

Family CIMBICIDAE

49. *sanguinea* Snellen van Vollenhoven *Amasis* Leach / *Corynis* Thunberg.
Amasis sanguinea Snellen van Vollenhoven, 1878: 154, pl. 9.

Holotype from Morocco, not seen.

Family TENTHREDINIDAE

50. *albomarginata* Snellen van Vollenhoven *Selandria* Leach / *costalis* (Fabricius) *Sciapteryx* Stephens. *Selandria albomarginata* Snellen van Vollenhoven, 1858a: 278.

Syntypes: three females from The Hague and Utrecht, not seen.

51. *consobrinus* Snellen van Vollenhoven *Nematus* Panzer / *leucotrochus* Hartig. *Nematus consobrinus* Snellen van Vollenhoven, 1871: 237, pl. 10.
Syntypes: ten females and one male from Haarlem, not seen.

52. *histrionica* Snellen van Vollenhoven *Macrophya* Dahlbom / *postica* Brullé. *Macrophya histrionica* Snellen van Vollenhoven, 1878: 155.
Holotype: female from vicinity of Baireuth, not seen.

53. *klugii* Snellen van Vollenhoven *Macrophya* Dahlbom / *crassula* (Klug).
Macrophya klugii Snellen van Vollenhoven, 1869: 124-125.

Syntypes: two males from Noord-Brabant and vicinity of The Hague, not seen.

This would be the only known specimen of this species collected in the Netherlands. As it is easily confused with some related ones, this synonymy is doubted here. *Macrophya klugii* (Snellen van Vollenhoven) is to be treated as a nomen dubium. *Macrophya crassula* (Klug) must be withdrawn from the list of species indigenous in the Netherlands.

54. *majalis* Snellen van Vollenhoven *Emphytus* Klug / *immersa* (Klug) *Empria* Lepeletier. *Emphytus majalis* Snellen van Vollenhoven, 1869: 121, pl. 3.

Holotype from vicinity of Utrecht, not seen.

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