THE SPECIES OF PLATYGASTRIDAE
[HYMENOPTERA, PROCTOTRUPOIDEA] IN THE COLLECTION
OF THE « NATURHISTORISCHES MUSEUM » IN VIENNA
WITH SPECIAL REFERENCE TO THE TYPES OF FORSTER

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For the study of the taxonomy of Platygastridae it is necessary to know the location and other data of the types of older authors. This is already known for most of the species described by English and American authors (Masner, 1965, 1966, 1969 and Masner & Muesebeck, 1968), but must still be done for those described by Förster, Haliday, Thomson, Westwood, Kieffer and others. In this paper I give a list of the types of Förster's species of Platygastridae in the "Naturhistorisches Museum" in Vienna. In the same collection I found many original species described by other authors, of which the location was not known. These species can be very important in solving some taxonomic problems. A list of them is included in this paper.

After Nees ab Esenbeck and F. Walker, Förster was the first entomologist who worked on Platygastridae. He established many of the genera of Proctotrupoidea, basing them on species described by a.o. Nees ab Esenbeck, Haliday and Walker. On the other hand many genera were based on specimens from his own collection. For most of his genera he did not publish a representative species. There are, however, many nomina nuda in his material.

His interest in Platygastridae was based on the rich collection of Nees ab Esenbeck, which he became acquainted with at Bonn (Fitch, 1884). Förster had contacts with many famous hymenopterologists such as Walker, Haliday and Thomson and it is said that he obtained many species in exchange and on loan from them. These were never returned. Accordingly, it may be useful to look for type-material of other authors in his collection as well. This paper includes a list of species from such material.

Most of these species bear a label with the note "Or. Ex." ("Original Exemplar") in Förster's handwriting, and in many cases a
After the death of Förster in 1884 his collections of Chalcidoidea and Proctotrupoidea were sold to Gustav Mayr in Vienna (Wackerzapp, 1885). Mayr had put on each pin in the Förster-collection a label with the note “Collect. G. Mayr” and a label with the name of the species (the genus-name shortened) and the note “Förster, Type”. After the death of Mayr in 1908 his complete collection was sold to the “K. K. Naturhistorisches Hofmuseum” in Vienna (Kohl, 1908).

Most of the specimens are in a good condition, free from dust. Förster’s usual way of mounting was to pin the specimens with micropins on a piece of pith. Sometimes the thorax is somewhat damaged by these pins. The types are scattered over three insect-boxes, contained in the section of Hymenoptera.

Förster described 22 species, of which 19 are recognized by me as types. Two species are missing: Monocrita affinis Först. 1861 and Amitus (= Zacrita) longicornis Först. 1878. The specimen of Platygaster corvina Först. 1861 does not fit the original description. All the specimens from the locality “Roseggthal” (Förster, 1861) are pinned on small brownish pieces of pith, but the specimen of P. corvina is pinned on a larger and paler piece. Perhaps the type was changed by Mayr when he added his own labels to the pin.

Most of the specimens bear three or four labels. They always bear the labels mentioned above.

Some specimens are provided with a thin piece of paper on which the name of the species with the letter M. (= “Mihi”) added, the location, sex and sometimes a number which does not always agree with the Försterian papers. They agree, however, with the numbers in Förster’s original note book.

During the two weeks I worked in the museum in Vienna I selected lectotypes. I used red labels with “Lectotype, H. J. Vlug”. Paralectotypes are to be recognized by a red label with “Paralectotype, H.J. Vlug”. When a species was represented by one specimen I added a red label marked “Holotype”.

Family Platygastridae
Subfamily Inostemmatae

Metaclisis monheimi (Förster, 1861) Comb.n.

Monocrita monheimi Förster, 1861, p. 42.

Lectotype female. In good condition. Left antenna of the lectotype mounted by me on a slide and pinned on the same pin as the lectotype. The lectotype is
Subfamily *Platygastrinae*

*Amblyaspis walkeri* Förster, 1861

*A. walkeri* Förster, 1861, p. 41.

Lectotype female. In good condition. A second specimen, male, bearing a label in bad handwriting, probably "Platygasttr trivius" and a label "Amb. Walkeri, Förster type" (printed and added by Mayr), collected in Aachen, is not the same species.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Leptacis (Leptacis) melampus* (Förster, 1861) Comb. n.

*Synopeas melampus* Förster, 1861, p. 41.

Lectotype female. In good condition. Thorax somewhat damaged by the micropin. On one piece of pith three specimens, of which the female specimen on right above is the lectotype, indicated by a white label under the piece of pith. The male specimen on left above is the allolectotype. The female below does not belong to the same species.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Leptacis (Leptacis) rigidicornis* (Förster, 1861) Comb. n.

*Synopeas rigidicornis* Förster, 1861, p. 41.

Holotype male. Left fore and hind wing missing. Left legs damaged.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster brevicornis* Förster, 1861

*Platygaster brevicornis* Förster, 1861, p. 42.

Holotype male. Right side of head somewhat damaged.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster hirticornis* Förster, 1861

*Platygaster hirticornis* Förster, 1861, p. 42.

Holotype male. In perfect condition.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster lata* Förster, 1861

*Platygaster latus* Förster, 1861, p. 42.

*Platygaster lata* Förster, Dalla Torre, 1898, p. 474.
Holotype female. In perfect condition.
Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster lissinota* Förster, 1861
*Platygaster lissonotus* Förster, 1861, p. 42.
*Platygaster lissinota* Förster, Dalla Torre, 1898, p. 474

Lectotype male. Well preserved, except that the right fore leg is missing. One male is designated paralectotype.
Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster picipes* Förster, 1861
*Platygaster picipes* Förster, 1861, p. 42.

Lectotype male. The lectotype is situated to the left of the pin and has the last segment of both antennae missing. On the same piece of pith two females. The female specimen on right in front is the allolectotype and the female specimen on right below the paralectotype. On another pin are four micropins in a piece of pith, one without a specimen, the others with one male and two specimens (sex unknown) in very bad condition (paralectotypes). Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster signatus* (Förster, 1861) Comb.n.
*Polygnatus signatus* Förster, 1861, p. 41.

Holotype female. Last three segments of the right antenna are missing. Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster siphon* Förster, 1841
*Platygaster siphon* Förster, 1841, p. 46, fig. 24 a,b,c.

Lectotype female, glued on a small piece of paper, labelled “Or. Ex.” Thorax damaged. A second pin with two female specimens is labelled “*Platygaster siphon m.♀*” in Förster’s handwriting (paralectotypes). Nineteen other females designated by me as paralectotypes. Type-locality: Unknown.

*Platygaster subtilis* Förster, 1861
*Platygaster subtilis* Förster, 1861, p. 42.

Förster did not recognize a sex in his description of this species. In the type-series are two male specimens only. Lectotype male in good condition, except that the left middle leg and the left antenna are missing. Paralectotype in very poor condition. Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Platygaster tenuicornis* Förster, 1861
*Platygaster tenuicornis* Förster, 1861, p. 42.

Lectotype male. Thorax somewhat damaged by the micropin. A second male in the type-series is not the same species.
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Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Sactogaster curvicauda* Förster, 1856

*Sactogaster curvicauda* Förster, 1856, p. 114.

Lectotype female in perfect condition, except that the tarsus of the right fore leg is missing. On the same piece of pith a second female specimen to the right side of the pin (paralectotype). The types are indicated by a white label under the piece of pith.

Type-locality: Germany.

*Sactogaster longicauda* Förster, 1856

*Sactogaster longicauda* Förster, 1856, p. 114.

Lectotype female. Last segment of the gaster missing. On the piece of pith are three specimens one behind the other. The specimen, farthest removed from the pin, is the lectotype. The middle female specimen has parts of the antennae and legs missing (paralectotype). The third female specimen, nearest to the pin, does not belong to the same species.

Type-locality: Germany.

*Sactogaster pisi* Förster, 1856

*Sactogaster pisi* Förster, 1856, p. 113-114.

Lectotype female in perfect condition. There are five specimens on a piece of pith. The lectotype is the female specimen at the right side and farthest removed from the pin. The allolectotype is the male on the left side, farthest removed from the pin. Three other female specimens are paralectotypes. Three specimens on another pin do not belong to the type-series.

Host: Reared by Winnertz from *Contarinia pisi* (Winnertz).

Type-locality: Crefeld, Germany.

*Sactogaster subaequalis* Förster, 1856

*Sactogaster subaequalis* Förster, 1856, p. 114.

Holotype female. In good condition, except that the head is somewhat damaged.

Type-locality: Germany.

*Synopeas nigriscapis* Förster, 1861

*Synopeas nigriscapis* Förster, 1861, p. 41.

Holotype male. In good condition.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).

*Synopeas prospectus* Förster, 1861

*Synopeas prospectus* Förster, 1861, p. 41.

Lectotype female in good condition. The thirteen other specimens in the type-series belong to three or four other species.

Type-locality: Rosegg Valley, near Pontresina (Upper Engadine, Switzerland).
The following list gives 69 species, a.o. determined by Förster, original species of other authors and some interesting specimens to which Förster gave a name without any description. The genus names, used in this list, are the names under which I found them in the collection. They are not new combinations!

This collection contains also some species which do not belong to Förster's original collection. It is not clear who added these species. Some of them, which may be interesting, are included in this list.

*Acerota evanescens,* nomen nudum. Twenty-two specimens. Described by Kieffer as *Acerota evanescens* from Förster's material (Kieffer, 1914).

*Allotropa mecrda* (Haliday) (?). Nine specimens, of which one is mounted on a small, square piece of paper, labelled “Or. Ex.”.

*Amblyaspis alienus* (Nees, 1834), det. Förster. Twenty specimens.

*Amblyaspis forticornis* (Nees, 1834), det. Förster. Including one specimen mounted on a small square piece of paper, labelled “*Amblyaspis otreus* W.”, “Or. Ex.”, and “*forticornis* Nees”.

*Amblyaspis nereus* (Walker, 1835). Two specimens, one labelled “Or. Ex.”.

*Amblyaspis nodicornis* (Nees, 1834). It is not clear to me whether this specimen is the same as *A. nodicornis* (Ratzburg, 1844). Fourteen specimens, of which eleven specimens are mounted on a triangular piece of paper, probably mounted and determined by Thomson.

*Amblyaspis prorsa* (Walker, 1835). Four specimens, of which one is labelled “Or. Ex.”.

*Amblyaspis tritici* (Haliday, 1831). Eleven specimens, of which one is mounted on a small square piece of paper labelled “Or. Ex.”.

*Ectadius craterus* (Walker, 1835). Four specimens. Two specimens labelled “England” and “Or. Ex.”.

*Fidiobia flavipes* Ashmead, 1894. Six specimens, labelled “C.U. Exp. No. 700 a, 31 Juli 05. Sub. N.”.

*Inostemma lycon* Walker, 1835. One specimen, probably received from Walker.

*Inostemma menippus* Walker, 1835. Two specimens, of which one probably a Walker specimen.

*Iphitrachelus lar* Haliday, 1835. Five specimens, det. Förster.

*Isocybus grandis* (Nees, 1834). Twelve specimens, det. Förster. Three specimens labelled “*Platygaster grandis* Nees ♀!!!” and “Or. Ex.”. One specimen labelled “Or. Ex.”.

*Isocybus ruficornis* (Latreille, 1809). Six specimens, det. Förster, of which one is labelled “Leittr. 9”.

*Isostasis punctiger* (Nees, 1834). 23 Specimens, of which seven are labelled “Or. Ex.”.

*Leptacis decurvata* (Nees, 1834). Two specimens with a blue label on which something is written in bad handwriting.

*Leptacis hopkinsi* (Crawford & Bradley, 1911). Three males and two females labelled “Cornell U. No. 683”.

*Leptacis laodice* (Walker, 1835). Eleven specimens det. Förster, with a small square label “f”.
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*Leptacis nydia* (Walker, 1835). Seventeen specimens det. Förster, with a small square label "f".

*Leptacis scutellaris* (Nees, 1834). Six specimens, det. Förster, of which two specimens are glued on a piece of paper, labelled "Or. Ex.". One specimen is labelled "det. Thomson".

*Leptacis tipulae* (Kirby, 1798). Seven specimens, of which two specimens are probably Kirby material.

*Metaclisis areolata* (Haliday, 1835). One specimen, glued on a small square piece of paper, is labelled "Or. Ex.".

*Piestopleura catillus* (Walker, 1835). Nine specimens det. Förster. One male, mounted on a triangular piece of paper, is probably a Walker specimen.

*Platygastrer abisares* Walker, 1835. Two specimens, glued on a square piece of paper, are labelled "Or. Ex.".

*Platygastrer catillus* Walker, 1835. One specimen, glued on a piece of paper, is labelled "Or. Ex.".

*Platygastrer cleodaesus* Walker, 1835. One specimen, glued on a square piece of paper, is labelled "Or. Ex.".

*Platygastrer contorticornis* Ratzeburg, 1844. Two specimens, glued on a big triangular piece of paper, one with a label in scribbled handwriting "Platygastrer contorticornis WALK."

*Platygastrer cotta* Walker, 1835. One specimen with the labels "Platygastrer cotta W. " and "Platygastrer cotta WALK. England ".

*Platygastrer crates* Walker, 1835. Three specimens, glued on a piece of paper, labelled "Platygastrer crates " in Walker’s handwriting.

*Platygastrer herrickii* Packard, 1841. Three specimens, of which one is labelled "Platygastrer herrickii PACK. von RILEY".

*Platygastrer iolas* Walker, 1835. Two specimens, glued on a small square piece of paper, labelled "Or. Ex.".

*Platygastrer mantoo* Walker, 1835. Two specimens, glued on a small square piece of paper, labelled "Or. Ex.".

*Platygastrer muticus* Nees, 1834. Five specimens, glued on brown pieces of paper.

*Platygastrer niger* Nees, 1834. Several specimens in glass tubes and on pins. One specimen is glued on a piece of paper and is labelled "Platygastrer niger N. v. E. Ex. n. Walker". Two specimens were probably labelled by Walker as "Platygastrer niger". The specimens in the glass tubes are labelled "Cecidomyia salicis det. MAYR".

*Platygastrer nitidus* Thomson, 1839. One specimen, glued on a very small square piece of paper, is labelled "Thomson" and "P. nitidus".

*Platygastrer nydia* Walker, 1835. One specimen, glued on a piece of paper, is labelled "Or. Ex.".

*Platygastrer obscurus* Nees, 1834. One male, on a micropin, is labelled "Or. Ex.".

*Platygastrer opacus* Ruthe, 1859. One specimen, glued on a small piece of paper, is labelled "Staidg. Island. Rt. Type" and "Platygastrer opacus m.".

*Platygastrer oscus* Walker, 1835. Two specimens, glued on small square pieces of paper, are labelled "Platygastrer oscus WALK. Or. Ex.".

In another box is one specimen labelled "Platygastrer oscus WALK.".

*Platygastrer pelias* Walker, 1835. Two specimens, glued on small square pieces of paper, are labelled "Or. Ex.".
Platygaster phragmitis (SCHRANK, 1781). One specimen, pinned on a micropin, labelled “Platygaster (Polymec?) phragmitis SCHr.” and Lipara lucens. Stadlau, Juni 77.

Platygaster pisis WALKER, 1835. One specimen, glued on a piece of paper, is labelled “Platygaster pisis WALK. Or. Ex.”.

Platygaster remulus WALKER, 1835. One specimen, pinned on a micropin, is labelled “Or. Ex.”.

Platygaster roboris HALIDAY (= P. roboris WALK. 1835; HALIDAY is probably a mistake). Twelve specimens of which two specimens are glued on a triangular piece of paper and two specimens glued on one square piece of paper, are labelled “Or. Ex. 449 r.” and “Platygaster roboris” in WALKER’s handwriting.

Platygaster rubi ASHMEAD, 1893. Two specimens are labelled “Cornell U. No. 885 a sub.”.

Platygaster scelionoides WALKER, 1835. One specimen labelled “Or. Ex. 949 t.” and “Platygaster scelionoides” in WALKER’s handwriting.

Platygaster sosis WALKER, 1835. One specimen is labelled “Platygaster sosis” in WALKER’s handwriting.

Platygaster spiniger NEES, 1834. Four specimens, glued on brown triangular pieces of paper are labelled “19.49. P. spiniger m.”.

Platygaster splendidulus RUTHE, 1859. Two specimens, glued on one piece of paper, are labelled “19/6”, “Slaing Island 1857”, “RUTHE Type”, “Platygaster splendidulus, Island, RUTHE”. The last label is probably written by MAXR.

Platygaster strato WALKER, 1835. Two specimens, glued on small square pieces of paper, are labelled “Or. Ex.”.

Platygaster tisias WALKER, 1835. Six specimens, glued on square pieces of paper, of which three specimens are labelled “Or. Ex.”.

Platygaster tuberosus NEES, 1834. Two specimens, pinned on micropins, are labelled “Or. Ex.” and “Platygaster tuberosus NEES J (?) : 107. d (?) ”.

Platygaster ventralis (WESTWOOD, 1833). Two specimens labelled “Or. Ex. WALKER”.

Platygaster vestinus WALKER, 1835. Two specimens, glued on a square piece of paper, are labelled “Platygaster vestinus” in WALKER’s handwriting.

Polygnotus latescens BRUES, 1910. Five specimens are labelled “Ex Brasilianische Galle, det. BRUES”.

Polygnotus mediocris BRUES, 1910. Three specimens are labelled “Ex Brasilianische Galle, det. BRUES”.

Polygnotus orus WALKER, 1835. Six specimens of which three specimens are labelled “Polygnotus orus WALK. Or. Ex. varitans III”.

Polygnotus striolatus (NEES, 1834). Twelve specimens of which two specimens are labelled “Polygnotus taras Or. Ex. striolatus NEES” and “Or. Ex. THOMSON”.

Sactogaster osaces NEES (?). Nine specimens det. FÖRSTER.

Sactogaster ventralis (WESTWOOD, 1833). Twelve specimens det. FÖRSTER.

Synopeas figitiformis THOMSON, 1859. One specimen, originally of THOMSON.

Synopeas inermis HALIDAY (= S. inermis THOMSON, 1859?). One specimen, glued on a small square piece of paper, labelled “HAL. WALK. Org. Ex.”.
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*Synopeas muticus* (Nees, 1834). Two specimens of which one is labelled "Or. Ex."

*Synopeas ozines* (Walker, 1835). One specimen, glued on a small square piece of paper, labelled "Or. Ex."

*Synopeas sosis* (Walker, 1835). One specimen labelled "Det. Förster" and "England".

*Synopeas spiniger* (Nees, 1834). Six specimens labelled "Det. Förster".

*Synopeas trebius* (Walker, 1835). Four specimens, probably original of Walker material.

*Trichacis tristis* (Nees, 1834). Twelve specimens of which one is labelled "Or. Ex." and "Tr. tr. ♀".

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Résumé

Les types de *Platygastridae* de A. Förster dans la collection du « Naturhistorisches Museum » à Vienne.

Pour l’étude de la taxonomie des *Platygastridae* il est indispensable de connaître la localisation des types des auteurs anciens, ainsi que leur état de préservation.

Ces données étaient déjà connues pour les espèces décrites par plusieurs auteurs anglais et américains, mais le travail restait à faire pour les espèces décrites par Förster, Haliday, Thomson, Westwood et Kieffer. Dans cet article l'auteur donne un résumé des types des espèces de *Platygastridae* décrites par Förster ainsi qu'une liste des espèces intéressantes décrites par d'autres auteurs et qui se trouvent dans la collection de Förster.

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