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A critical revision of host records of Palearctic Tachinidae (Diptera) until 1937[1]

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Abstract

Palearctic tachinid/host records published until 1937 are critically compiled.

Zusammenfassung

Dieser Katalog listet die bis einschließlich 1937 publizierten paläarktischen Tachiniden/Wirte-Angaben in kritischer Weise auf.

Contents

1 Introduction

This catalogue is a guide to the information on the biology of Palearctic Tachinidae in publications before 1938. The aim of the revision was to trace the breeding records to their origin, and to correct erroneous data (caused by misidentification, wrong synonymy, or misquotation) as far as possible. The old names are translated into up-to-date nomenclature.

In my book on tachinid biology (Herting 1960) I had gathered only records that were reliable or at least probably right, omitting all questionable data. These are, however, existing in the literature and are cited again and again, in most cases without knowledge of their origin. A comprehensive catalogue of the old records with precise original references and critical evaluation is therefore needed. [Thompson 1943–1958, referred to as "Thompson catalogue" in the text, is incomplete and in part erroneous.]

Comment is separated from the information quoted from the original paper either by parentheses (nomenclatory changes, corrected determinations) or by a dash. An asterisk after the serial number indicates that the parasite specimen(s) have been seen and redetermined [usually by the author, but occasionally also other reliable identifiers were meant with the asterisk].

[Annotations of HPT:

When Benno Herting died several years ago (for obituary see Tschorsnig 2004), he left a large set of unformatted ASCII-files (written on an older electronic type-writer), each comprising about three pages of text. The text was widely finished, but several gaps were present. In particular the reference section was completely missing (it did not exist because Benno Herting and HPT had an agreement that the latter would write it one day when the manuscript was finished). So HPT has contributed all References, and added also the Abstract, Zusammenfassung, Acknowledgements, Abbreviations, and Acronyms of depositories. HPT also succeeded in finding some literature which Benno mentioned but which he was unable to get.

Every record was, as far as this was possible, checked by HPT against the original source, and obvious mistakes (slips, spelling errors, wrong numbers, wrong or missing diacritics etc.) were corrected without a comment. Concerning the general text, however, especially the nomenclature of tachinids and hosts, HPT feels obliged to leave it as Benno Herting wanted to have it published. He also did not change Herting's specific terminology (e. g. "parasite" instead of "parasitoid"). A few weeks before Benno Herting died he put all his effort into explaining to HPT that he wanted to have the manuscript published "wie es aus meiner Feder stammt" (= "how I wrote it"). I interpret this as a kind of last will, so it should be respected. For the benefit of the user, it was, however, necessary to add annotations, e. g. when things were wrong, mistakable, very uncertain, or overlooked. HPT's comments are all written in *square brackets*, so they are unambiguously separated from Herting's text.

A few publication data of references needed correction, but because the author had already given consecutive numbers it was not possible to change the chronological order.

This chronological catalogue with annotations and rectifications has no systematic parasitoid or host sections, but the larger complete Palearctic tachinid-host catalogue which is currently being prepared by HPT and which will be published soon (Tschorsnig 2017), has it and can be used for this purpose. This major catalogue covers the Palearctic records up to the present and will be – as well as the present text – fully searchable as a pdf-file, which enables the finding of all records, including the

[1] completed and annotated by Hans-Peter Tschorsnig (HPT).

ones in the present paper. Contrary to HERTING's text the actual modern nomenclature of tachinids and hosts is applied throughout in this latter catalogue, and synonyms and aberrant spellings are given too, as well as the tachinid and host names in full (with author and year).]

Abbreviations

n. sp.	new species
misid.	misidentified, misidentification
prb.	probable, probably
prov.	province

International vehicle registration codes (D, F, GB etc.) are often used as abbreviations for countries.

Acronyms of depositories

BMNH	British Museum of Natural History, London, United Kingdom
CMBK	City Museum and Art Gallery, Bristol, United Kingdom
ETHZ	Entomologisches Institut der ETH Zürich, Switzerland
LEWA	Laboratorium voor Entomologie, Wageningen, The Netherlands
MNHN	Muséum National d'Histoire Naturelle, Paris, France
MZHF	Zoological Museum, University of Helsinki, Finland
MZUF	Museo Zoologico "La Specola", Firenze, Italy
NHMW	Naturhistorisches Museum, Wien, Austria
NHRS	Naturhistoriska Riksmuseet, Stockholm, Sweden
NMBA	Naturhistorisches Museum der Benediktiner-Abtei Admont, Austria
OXUM	University Museum Oxford, Hope entomological collection, United Kingdom
RMNH	Nationaal Natuurhistorisch Museum, Leiden, The Netherlands
SMNS	Staatliches Museum für Naturkunde, Stuttgart, Germany
TLMF	Tiroler Landesmuseum Ferdinandeum, Innsbruck, Austria
UBKW	Universität für Bodenkultur, Wien, Austria
USNM	National Museum of Natural History, Washington, USA
VIZR	All-Russian Institute for Plant Protection, St. Petersburg, Russia
ZMAN	Zoölogisch Museum Amsterdam, The Netherlands
ZMHB	Museum für Naturkunde, Humboldt Universität, Berlin, Germany
ZMUC	Zoological Museum Copenhagen, Denmark
ZSMC	Zoologische Staatssammlung München, Germany

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2 Chronological records

GOEDAERT 1662

(1) p. 160, and pl. LXXI: Host caterpillar with 12 legs (= prb. *Plusia gamma*) [on the host see VOLLENHOVEN 1877: 312], its pupa, 3 tachinid puparia and 3 adult flies (= prb. *Phryxe vulgaris*) [this remains assumption because the figures do not provide reliable characters]. The parasite larvae left the host pupa in August, the flies emerged on 7th September.

GOEDAERT 1669

(2) p. 10, and pl. F: Host caterpillar on cauliflower, pupa and adult moth (= *Mamestra brassicae*) [on the host see VOLLENHOVEN 1877: 317]. 12 tachinid larvae came out of one caterpillar on 10.IX.1663, they hibernated as puparia, the 12 flies emerged on 2.VII.1664 (= prb. *Siphona cristata*). – The drawing of the fly is very inexact, but the biological data suggest this determination.

[MERIAN 1679, see TSCHORSNIG 2017]

MERIAN 1683

In some of her pictures of the metamorphoses of Lepidoptera, the paintress has included parasitic flies that had appeared in the rearings. Identification is possible only in one case:

(3) p. 93, Taf. XLVII: *Voria ruralis* ex *Abrostola trigemina*. The picture shows the characteristic parallel arrangement of the puparia which are partly covered by the broken host skin. As stated in the text, the caterpillars were feeding on *Urtica*. [Two host species are figured on Taf. XLVII, *A. triplasia* L. (syn. *trigemina* Werneburg) on the left side and *A. tripartita* on the right side; according to the text on pp. 93, 94 the flies and the puparia belong to the right species.]

BLANKAART 1688

(4) p. 76, Pl. IX, fig. L: Parasitic fly (= prb. *Huebneria affinis*) ex Beir-Rups (= *Arctia caja*), 8–10 larvae in one host. – Misidentified as *Nemoraea* sp. by WEIJENBERGH 1869: 159. Locality prb. Amsterdam.

ALBIN 1720

(5) On pls. XIII (= *Cucullia verbasci*), XVII (= *Philudoria potatoria*), XIX (= *Malacosoma neustria*), and XXIV (= *Spilosoma lutea*), the painter has included parasitic flies reared from the caterpillars. – The drawings are inexact, an identification is not possible. ROBINEAU-DESVOIDY 1830: 49, states that ALBIN has figured *Echinomyia cuculliae* R.D. (= *Tachina lurida*) bred from *C. verbasci*, but the fly on pl. XIII looks different, particularly because of the marked stripes on the mesonotum. [Fig. m on pl. XIII gives well the impression of *Winthemia quadripustulata* which is the most common tachinid of *Cucullia verbasci*.]

MERIAN 1730

(6) pls. 26 (= *Inachis io*), 33 (= *Malacosoma neustria*), 44 (= *Aglais urticae*) include parasitic flies besides their hosts. – Identification of the flies is not possible, but they are referred to by DE GEER 1776: 25, as *Musca minor larvarum*. [Pls. 26, 33, and 44 are identical with Taf. 26, 33, 44 of MERIAN 1679. The fly on pl. 26 is prb. *Pelatachina tibialis*, concluded from the puparium which has prolongated hind stigmata.]

REAUMUR 1736

(7) pp. 440–444: Diptera (= Tachinidae of unknown identity) parasitic on larvae of Lepidoptera. Pl. 36: Illustrations. Fig. 4: grown-up larva, dissected from a caterpillar bearing an empty white planoconvex egg on its skin. Figs. 5–6: its head with mouth-hooks. Figs. 12–13: adult and puparium ex "chenille". Figs. 15–16: adult & puparium ex "chenille du maronnier".

Figs. 17, 18, 20: larva, its anterior part and adult ex "chenille du pin".

SWAMMERDAM 1738

(8) pp. 630–632: *Musca* (= ?*Phryxe vulgaris*) ex pupa of caterpillar in Tab. 37, III (= *Pieris brassicae*). Tab. 38, fig. X: D, E, F: full-grown larva, puparium, adult fly.

Locality prb. Amsterdam (NL).

DE GEER 1752

In the German translation by GOEZE 1778: 144–146, the names of the host and the parasitic fly are given in Linnean nomenclature in added footnotes. These names are quoted here.

(9) pp. 196–198, and pl. 11, figs. 22–24: *Musca larvarum* (= *Exorista larvarum*) ex *Phalaena Bombyx crataegi* (= *Trichiura crataegi*). – The data and figures agree with this tachinid and host species. Locality: Sweden.

SCOPOLI 1763

(10) pp. 331–332: *Musca larvarum* var. 1 (prb. misid. = prb. *Masicera pavoniae*) ex *Phalaena pavonia* (prb. *pavonia major* = *Saturnia pyri*). 20 parasites came out of a single host.

(11) – – var. 2 (= prb. *Compsilura concinnata*) ex *Papilio io* (= *Inachis io*). – *Sturmia bella* and *Phryxe vulgaris* are excluded by the description (Scutellum thoraci concolor).

(12a) – – var. 3 (identity unknown) ex *Phalaena* (= *Lasiocampa*) *quercus*.

(12b) – – var. 4 (small species, identity unknown) ex *P.* (= *Eriogaster*) *lanestris*.

Locality: Carniolia (= Slovenia).

ADMIRAL 1774

(13) On pls. 6 (= *Spilosoma lutea*), 7 (= noctuid sp.), 17 (= *Thecla betulae*), 18 (= *Dasychira pudibunda*), 23 (= *Vanessa atalanta*), the painter has included parasitic flies reared from the caterpillars. The drawings are inexact, an identification is not possible.

DE GEER 1776

(14) p. 24: *Musca major larvarum*, reference to DE GEER 1752: 196–198 (see above, no. 9), the figures of 1752 are reproduced on pl. 1, figs. 6–8. Host species are "plusieurs espèces de chenilles de grandeur médiocre, tant rases que velues". – The name has been used by DE GEER also for other species of similar size and colour (specimens from DE GEER's collection sent to me are *Sarcophaga* spp.).

(15) p. 25: *Musca minor larvarum* (= more than one species of unknown identity), reference to three plates of MERIAN 1730 (see no. 6). On p. 26, three host species reared by the author himself are cited: "Chenilles de l'Ortie" (= prb. *Aglais urticae*), "La hérissonne" (= prb. *Arctia caja*), and "Celle à piramide charnue sur le dos" (= prb. Sphingidae) [host interpreted as (*Amphipyra*) *pyramidea* (Noctuidae) by GOEZE 1782: 14 which seems to be more likely].

(16)* p. 38: *Musca geniculata* n. sp. (= *Siphona cristata*, not *S. geniculata* sensu auct.) ex "chenilles brunes et vertes qui se nourissent des feuilles du chou et du tabac" (= prb. *Mamestra* sp.). Pl. II, figs. 19–23, adult. – The name *geniculata* has been used by subsequent authors for the most common *Siphona* species, which is a parasite of Tipulidae larvae. ANDERSEN 1996: 94, has revised DE GEER's specimens (in NHRS) and identified them as *S. cristata*. For the species *S. geniculata* of authors he proposed the name *urbana* Harris 1780, but an application to the ICZN has been made to designate a neotype and to conserve the name *geniculata* sensu auct. [see Opinion 1975].

Locality: Sweden (Uppland). The page numbers in the German translation by GOEZE 1782 are 13, 14, 20.

SCHRANK 1776

(17) pp. 42–46 and pl. 2, figs. 5–12: Fliege aus der Kiensprossenmotte (= *Actia resinellae* ex *Petrova resinella*), biology. Fig. 6: larva (prb. 3rd stage, not full-grown). Fig. 8: puparium. Figs. 11, 12: adult fly: wing (veins correct, ciliation omitted), head from above. Figs. 5, 7, 10 show the same stages in natural size. – Cited by SCHRANK 1781: 478, as *Musca resinellae* n. sp., see no. 19. The name *Actia nudibasis* Stein has been used for this species until now [and is also used in the present paper by HERTING].

SCHRANK 1781

(18) p. 462: *Musca larvarum* (= *Exorista larvarum*, or misid.) ex *Sphinx* (= *Zygaena*) *filipendulae*. – A correct determination was not possible at that time, but *Exorista larvarum* is a common parasite of *Zygaena* spp.

(19) p. 478: *Musca resinellae* n. sp. (= *Actia resinellae*) ex *Tinea* (= *Petrova*) *resinella*, reference to SCHRANK 1776: 42, see no. 17.

Locality: prb. Bavaria (D).

KOB 1786

A mass-outbreak of *Phalaena Noctua piniperda* (= *Panolis flammea*) in pine forests in the area of Nürnberg (northern Bavaria, Germany). The second part of the book (pp. 49–58) is written by PANZER, who identified the insects sent to him.

(20) p. 12: Enormous numbers of blackish flies (= prb. *Ernestia rudis*) appeared simultaneously with the caterpillars of *Ph. N. piniperda* (= *Panolis flammea*).

(21) p. 55: *Musca fera* (prb. misid. = prb. *Tachina magnicornis*, see the picture on pl. II, fig. 6) ex *Ph. N. piniperda* (= *P. flammea*). – The observation on p. 13, that some flies emerge from moth pupae (i. e. from a puparium within an empty moth pupa) probably refers to this species. The record is cited by LINKER 1798: 468, and by BECHSTEIN & SCHARFENBERG 1805, vol. 2: 543, vol. 3: 1004.

SCHRANK 1803

(22) p. 119: Spinnerlarven-Borstenfliege. *Musca erucarum*, new name for *Musca major larvarum* of DE GEER 1776: 25 (see nos. 9, 14). – The name is missed out in subsequent revisions and catalogues of Diptera. It must not be confounded with *Tachina erucarum* Rondani (= *Exorista mimula*). I consider the reference to the figures of DE GEER (which represent *Exorista larvarum* Linnaeus) as a lectotype designation, so that *M. erucarum* Schrank becomes a synonym of the latter.

BECHSTEIN & SCHARFENBERG 1805

(23) vol. 3, pp. 756, 1005: *Musca larvarum* (misid., identity unknown) parasite (?) of *Tortrix hercyniana* (= *Epinotia tedella*). – The host is *Pyralis hercyniana* Uslar 1798, the name of which has been wrongly used for another species by TREITSCHKE 1830 (see RATZEBURG 1840: 220). It is correctly cited as *Coccyx comitana* by RONDANI 1872a: 149, but wrongly as *Olethreutes hercyniana* Tr. (= *Pseudohermenias abietina*) by BEZZI 1907: 335, and subsequent authors. *Epinotia tedella* is a small host and very rarely attacked by a tachinid, certainly not by a large species like *M.* (= *Exorista*) *larvarum*.

(24) p. 1003: *Musca phalaenarum* n. sp. (= ?*Winthemia quadripustulata*) ex *Noctua verbasci* (= *Cucullia verbasci*). – The red tip of the abdomen and the host suggest *W. quadripustulata*, but *M. phalaenarum* is classified in the group of species with pilose arista. The authors apparently have confounded different species (including *Sarcophaga* spp.) under this name, which is missed out in subsequent revisions and catalogues of Diptera.

(25) – – *M. phalaenarum* (identity unknown) ex *Geometra grossulariata* (= *Abraxas grossulariata*). – See preceding comment.

(26) p. 1004: *Musca fera* (= *Tachina fera*, or misid. = *T. magnicornis*) ex Königskerzeneule (= *Cucullia verbasci*).

Locality: Germany.

FISCHER 1821

(27) *Musca larvarum* (misid.) and *Musca erucarum* (= tachinid spp. of unknown identity) ex *Tenthredo pini* (= *Diprion pini*), Baden (SW Germany). – These two names were available at that time for any species with black and grey colour. *Musca* (= *Exorista*) *larvarum* in its established sense is not a parasite of Tenthredinoidea. *M. erucarum* Schrank (see no. 22) is a nomen dubium et oblitum and must not be confounded with *Tachina erucarum* Rondani (= *Exorista mimula*), which is quite a different species.

KLAUPRECHT 1821

(28) *Musca larvarum*, *M. phalaenarum* and *M. erucarum* (= tachinid spp. of unknown identity) ex *Tenthredo juniperi* (misid. = *Neodiprion sertifer*), Aschaffenburg on Main (D). – *Musca phalaenarum* Bechstein & Scharfenberg (no. 24) and *M. erucarum* Schrank (no. 22) are nomina dubia et oblita. *Musca* (= *Exorista*) *larvarum* in its established sense is not a parasite of Tenthredinoidea. The identification of the host has been rectified by LAUTERBORN 1928: 234, 243.

MEIGEN 1824

(29) p. 296: *Tachina larvarum* (= *Exorista larvarum*) ex *Tinea* (= *Hyponomeuta*) *evonymella*. – Very unlikely. *E. larvarum* is not a parasite of Microlepidoptera. The pupa of another host species may have been hidden in the webs of *Hyponomeuta*. [MEIGEN's statement "Ich erhielt sie *häufig* aus den Raupen der *Tinea evonymella*" indicates that it was rather a misidentification of the tachinid.]

(30) p. 380: *Tachina vertiginosa* (= *Thelymorpha marmorata*) ex *Bombyx caja* (= *Arctia caja*). Locality: prb. Stolberg (Nordrhein, Germany).

(31) p. 391: *Tachina vulgaris* (= *Phryxe vulgaris*) "aus Raupen" (= ex caterpillars, not specified). – The heading which should delimite the species-group with hairy eyes (pp. 388–400) within the section D. a. (pp. 370–400) is missed out. This misprint has caused wrong identifications of *T.* (*P.*) *vulgaris* by HARTIG (see no. 100) and BOIE (no. 127).

DUFOUR 1826

(32)* pp. 45–47: *Ocyptera cassidae* n. sp. (= *Dufouria chalybeata*) ex *Cassida viridis*, S France. – See also no. 35. Wrongly synonymized with *Labigaster forcipata*, a very different species, by RONDANI 1873: 143 (*Labidigaster uncinatus*) and BEZZI 1907: 330 (*Dionaea forcipata*). The type specimens are in MNHN.

MEIGEN 1826

(33)* p. 38: *Dexia leucozona* (= *Thelaira leucozona*) ex *Bombyx* (= *Arctia*) *caja*, prb. Stolberg (Nordrhein, Germany). – Type specimens in MNHN. Wrongly synonymized with *Thelaira nigripes* by BEZZI 1907: 435. The three European *Thelaira* species have been confounded until they were correctly separated by MESNIL 1975: 1337.

DUFOUR 1827

(34) pp. 250–260: *Ocyptera bicolor* (= *Cylindromyia bicolor*) parasite of *Pentatoma grisea* (= *Rhaphigaster nebulosa*). Biology and description of larva (3rd or 2nd stage). Pl. 11, fig. 2, f–g adult, h–m larva and funnel, n–o puparium.

(35 = 32)* p. 250: *Ocyptera cassidae* (= *Dufouria chalybeata*) ex *Cassida viridis*. Pl. 11, fig. 3, p–q adult, r–s puparium.

Locality: Southern France.

BOHEMAN 1828

(36) p. 165: *Tachina curvicauda* (misid. = *Freraea gagatea*) ex *Harpalus aulicus* (= *Amara aulica*), and (37) *Harpalus rufipes* (= *H. rufipes*). – Locality: Sweden.

GIMMERTHAL 1829

(38) p. 136: *Tachina quadripustulata* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*, SADOFFSKY. 23 parasites came out of one host pupa.

(39) p. 137: *Tachina affinis* (= *Huebneria affinis* or misid.) ex *Saturnia carpini* (= *S. pavonia*).

(40) p. 138: *Tachina pudibunda* n. sp. (= prb. *Compsilura concinnata*) ex *Orgyia* (= *Dasychira*) *pudibunda*. – The species was placed by GIMMERTHAL 1842: 675, in the genus *Phorocera* sensu MEIGEN 1838. Cited as doubtful species in *Phorocera* by BEZZI 1907: 319.

Locality: Latvia.

SCHWÄGRICHEN in HAPF 1829

(41) p. 30: *Musca larvarum* (misid., ?sarcophagid sp.) parasitic(?) on *Lyda pratensis* (= *Acantholyda posticalis*), Muskau, Niederlausitz (Sachsen, Germany). Two puparia were found when the host larvae were going into the soil for pupation. The flies emerged eight days later. – A parasitism of *Exorista larvarum* on sawfly larvae has never been confirmed, but this old record is quoted by RATZEBURG 1844: 75, and (without reference) in subsequent parasite-host lists.

MEIGEN 1830

(42) p. 368: *Tachina affinis* (= *Huebneria affinis*) ex *Arctia caja*. – Locality prb. Stolberg (Nordrhein, Germany).

ROBINEAU-DESVOIDY 1830

(43) p. 28: *Phryxe* sp. (identity unknown) ex adult *Sphinx ligustri*, CARCEL. No details, no description. – The genus *Phryxe* sensu ROBINEAU-DESVOIDY 1830 included also *Masicera* spp. (see nos. 58–62).

(44) p. 49: *Echinomyia cuculliae* n. sp. (= *Tachina lurida*) ex *Cucullia verbasci*. – Questionable, because there is hardly a seasonal coincidence between the activity of the flies and the presence of the host larvae. [HERTING 1960: 108 cites another record from this host.]

(45) p. 97: *Myobia* sp. (misid. = prb. Sarcophagidae, Miltogrammatinae) ex "Charansonites enfouis" (= Curculionidae stored in the nest of a Sphecidae), observation by SAINT-FARGEAU. The fly has not been seen by ROBINEAU-DESVOIDY and was tentatively referred by him to the genus *Myobia* (= *Solieria*).

(46) p. 107: *Latreillia cuculliae* n. sp. (= ?*Thelymorpha marmorata*) ex *Cucullia verbasci*. – Other *Latreillia* spp. described by ROBINEAU-DESVOIDY are *T. marmorata*, but this specimen was "avorté" (= misdeveloped). Its identity is therefore questionable.

(47) p. 108: *Salia bombycivora* n. sp. (= *Chaetogena obliquata*) ex *Bombyx* (= *Lasiocampa*) *trifolii*.

(48) p. 114: *Lydella hydrocampae* n. sp. (= prb. *Pseudoperichaeta nigrolineata*) [also *Eumea linearicornis* would be possible according to the host] ex *Hydrocampa urticalis* (= *Eurrhypara hortulata*). – *Lydella* sensu ROBINEAU-DESVOIDY 1830 is characterized by a long 3rd antennal joint. The character of the eyes (hairy or bare) is not yet used in this old classification. In 1863(II): 860, *L. hydrocampae* is quoted but not redescribed because the specimens had been lost. Synonymized with *Lydella* (= *Blondelia*) *nigripes* by BEZZI 1907: 292, but that species has a shorter antenna and has never been confirmed as parasite of *E. hortulata*.

(49) p. 134: *Phorocera prorsae* n. sp. (= *Compsilura concinnata*) ex *Vanessa prorsa* (= *Araschnia levana*).

(50) A specimen similar to *Ph. prorsae* (= *C. concinnata*) ex *Bombyx* (= *Thaumetopoea*) *processionea*.

(51) p. 135: *Ph. antiopis* n. sp. (= *C. concinnata*) ex *Vanessa* (= *Nymphalis*) *antiopa*.

(52) *Ph. iovora* n. sp. (= *C. concinnata*) ex *V.* (= *Inachis*) *io*, DUPONCHEL.

(53) *Ph. pygerae* n. sp. (= *C. concinnata*) ex *Pygaera* (= *Diloba*) *caeruleocephala*.

(54) *Ph. caiae* n. sp. (= *C. concinnata*) ex *Chelonia* (= *Arctia*) *caja*.

(55) p. 136: *Ph. bombycivora* n. sp. (= *C. concinnata*) ex *Bombyx* (= *Macrothylacia*) *rubi*.

(56) p. 151: *Zaida crataegellae* n. sp. (= ?*Bactromyia aurulenta*) [*Scythropia crataegella* is unknown as host of *B. aurulenta*, so it remains doubtful] ex *Tinea crataegella* (= *Scythropia crataegella*, Hyponomeutidae). – BEZZI 1907: 283 has cited the parasite as doubtful species in the genus *Masicera* and the host wrongly as *Scoparia crataegella* (Pyralidae).

(57) *Zaida falculae* n. sp. (= prb. *Bactromyia aurulenta*) ex *Platypteryx falcula* (= *Drepana falcataria*). – Cited as doubtful species in the genus *Masicera* by BEZZI 1907: 283. *B. aurulenta* frequently parasitizes *Drepana* spp.

(58) p. 164: *Phryxe lasiocampae* n. sp. (= *Masicera* sp., ?*M. sphingivora*) ex *Lasiocampa* (= *Gastropacha*) *quercifolia*. – Synonymized (?wrongly) with *Masicera silvatica* by BEZZI 1907: 282.

(59) p. 165: *Phryxe sphingivora* n. sp. (= *Masicera sphingivora*) ex *Sphinx* (= *Celerio*) *euphorbiae*. – Valid species, wrongly synonymized with *Masicera silvatica* by BEZZI 1907: 282. It has been separated from *M. silvatica* by MESNIL 1954: 307 under the name *M. cuculliae* Rob.-Desv.

(60) *Phryxe pavoniae* n. sp. (= *Masicera pavoniae*) ex *Pavonia major* (= *Saturnia pyri*). 12 parasites came out of one host. – Valid species, wrongly synonymized with *Masicera silvatica* by MACQUART 1834: 286, and BEZZI 1907: 282. It is *M. pratensis* of GIRSCHNER 1899: 179, and subsequent authors, but the true *pratensis* Meigen is a *Blepharipa*, not a *Masicera*.

(61) A species similar to *Phryxe pavoniae* ex *Sphinx* (= *Celerio*) *euphorbiae*, DEJEAN. – Described by ROBINEAU-DESVOIDY 1863(I): 882, as *Masicera puparum* n. sp. (= prb. *M. sphingivora*). Wrongly synonymized with *M. silvatica* by BEZZI 1907: 282.

(62) *Phryxe bombycivora* n. sp. (= *Masicera* sp.) ex *Bombyx* (= *Lasiocampa*) *quercus*. – Synonymized (wrongly?) with *M. silvatica* by BEZZI 1907: 281.

(63) p. 166: *Phryxe tiphaecola* n. sp. (= ?*Lydella stabulans*) [could as well be *L. thompsoni* which is also known from this host] ex *Nonagria typhae*, BOISDUVAL. – According to ROBINEAU-DESVOIDY 1863(I): 877, more slender than the preceding species. Wrongly synonymized with *Masicera silvatica* by BEZZI 1907: 282.

(64) *Phryxe larvicola* n. sp. (identity unknown) ex "chrysalide que je crois être celle de *Bombyx* (= *Arctia*) *caja*." – Cited as doubtful species in the genus *Exorista* by BEZZI 1907: 251 and as *Zenillia larvicola* in the THOMPSON catalogue.

(65) p. 167: *Phryxe athaliae* n. sp. (= *Phryxe vulgaris*) ex *Arginis athalia* (= *Melitaea athalia*). – Synonymized with *P. vulgaris* by ROBINEAU-DESVOIDY 1863(I): 358.

(66) p. 168: Specimens similar to *Phryxe velox* n. sp. (= prb. *P. vulgaris*) ex *Pieris* (= *Anthocharis*) *cardamines*. – According to ROBINEAU-DESVOIDY 1863(I): 326, *P. velox* is a "véritable *Phryxe*".

(67) p. 172: *Sturmia atropivora* n. sp. (= *Drino atropivora*) ex *Sphinx* (= *Acherontia*) *atropos*, SERVILLE. More than 80 specimens from one host.

(68) *S. vanessae* n. sp. (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*, DUPONCHEL.

(69) p. 175: *Winthemia catocalae* n. sp. (= *Winthemia* sp.) ex *Catocala nupta*. – ROBINEAU-DESVOIDY 1847: 265, repeats the short old description and adds, that the specimen was reared by LAURENT and kept in MNHN. BEZZI 1907: 231, has synonymized the species (wrongly?) with *Winthemia quadripustulata*. See also no. 106.

(70) p. 176: *W. vinulae* n. sp. (= prb. *Winthemia quadripustulata*) ex *Dicranura* (= *Cerura*) *vinula*, one small specimen. – Synonymized with *Winthemia quadripustulata* by ROBINEAU-DESVOIDY 1863(I): 210. Synonymized with *Exorista sanguinolenta* (= *W. quadripustulata*) by MACQUART 1849: 358, and cited under that name by WALKER 1874: 281.

(71) p. 178: *Carcelia puparum* (= prb. *Carcelia gnava*) ex *Sericaria* (= *Dasychira*) *pudibunda*. – Misid. of *Musca puparum* Fabricius, which is very different (*Ernestia*). Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 236.

(72) p. 180: *C. plusiae* n. sp. (= prb. *Huebneria affinis*) ex *Plusia* (= *Abrostola*) *asclepiadis*. "Cette espèce offre tous les charactères du *C. nigripes*." – Both *C. nigripes* and *C. plusiae* are transferred by ROBINEAU-DESVOIDY 1847: 605 to the genus *Huebneria*, and in 1863(I): 279, *C. nigripes* is placed as synonym of *H. affinis* whilst *C. plusiae* is omitted. The latter species is cited as doubtful species in the genus *Exorista* by BEZZI 1907: 253, and as *Zenillia plusiae* in the THOMPSON catalogue.

(73) p. 181: *C. bombycivora* n. sp. (= prb. *Senometopia separata*) ex *Bombyx versicolor* (= *Endromis versicolora*). – *S. separata* is the only *Carcelia*-like species that is surely known to parasitize *E. versicolora*. BEZZI 1907: 235, has wrongly synonymized *C. bombycivora* with *Carcelia* (= *Senometopia*) *excisa*.

(74) p. 275: *Erigone myophoroidea* ex *Bombyx* (= *Lymantria*) *dispar*. – This host record is an addendum to the description of *E. myophoroidea* n. sp. on p. 67. It is not cited again by the author in 1846: 35, nor in 1863(I): 155, where the species is synonymized with *Erigone* (= *Eurithia*) *consobrina*. Since no *Eurithia* species has been obtained in subsequent rearings of *L. dispar*, I consider it as a mistake.

Localities in France (Yonne or vicinity of Paris).

WINTHEM 1831

(75) p. 1014: *Tachina pacta* (= *Zaira cinerea*) ex *Carabus gemmatus* (= *C. hortensis*), and (76) *C. violaceus*, no details. – More information about this rearing in Denmark see BOIE 1838: 245 (nos. 137–140).

NEWMAN 1832

(77) p. 252: *Musca larvarum* (= tachinid sp., identity unknown) in *Phalaena* (= *Arctia*) *caja*, hyperparasitized, Britain.

BOUCHÉ 1833

(78) p. 162: *Tachina fera* ex Eulenraupen (= noctuid larvae).

(79) *T. lateralis* (misid., identity unknown) ex Eulen and Spinner. – Probably a misidentification of several tachinid species with yellow spots on the sides of the abdomen. *T. lateralis* is *Eriothrix rufomaculata*, a common species of which, however, only one sure host record is known (ex *Crambus* sp., leg. BAKKENDORF, in ZMUC*) ["*Crambus* sp." was recognized as *Chrysoteuchia culmella*, see ANDERSEN 1995].

(80) p. 163: *Tachina larvarum* (= *Exorista larvarum*) ex several species of nocturnal Macrolepidoptera (not specified). – RATZEBURG 1844: 171, has seen the specimens reared by BOUCHÉ and states that they belong to more than one tachinid species.

(81) *T. vertiginosa* (= *Thelymorpha marmorata*) ex *Bombyx* (= *Arctia*) *caja* and other Spinner.

(82) *T. vulgaris* (= *Phryxe vulgaris*, or misid.) ex Eulen (= Noctuidae) and Spinner. not specified.

(83) p. 164: *T. concinnata* (= *Compsilura concinnata*) ex *Sphinx* (= *Hyloicus*) *pinastri*.

Locality prb. Berlin area.

KRAUSE in GRAVENHORST 1833

(84) p. 71: *Tachina grossa* ex *Bombyx* (= *Lasiocampa*) *trifolii*, Silesia (now Poland). See also no. 311 (misquotation).

BOUCHÉ 1834

The 3rd instar larva and the puparium of all species are shortly described, only the first species is illustrated.

(85) p. 57: *Tachina concinnata* (= *Compsilura concinnata*) ex *Papilio* (= *Pieris*) *brassicae* (Taf. V, figs. 15–19: 3rd stage larva, anterior and posterior stigma, puparium), (86) ex *Sphinx* (= *Hyloicus*) *pinastri*, and (87) ex *Acronicta rumicis*.

(88) p. 58: *Tachina acronyctae* n. sp. ex *Acronicta rumicis*. – The characters of the adult agree with *Compsilura concinnata*, but the described larva seems to be another species (identity unknown). The host has been wrongly quoted by BRAUER & BERGENSTAMM 1894: 553, as *Acronicta megacephala*.

(89) *Tachina inflexa* n. sp. (= *Blondelia nigripes*) ex *Tenthredo grossulariae* (misid. = prb. *Nematus ribesii*). – The short description of the host larva by BOUCHÉ 1833: 38, fully agrees with *N. ribesii*, whereas the larva of the true *T. grossulariae* Klug (= *Ametastegia pallipes* Spin.) has different characters (see ENSLIN 1914: 239).

(90) p. 59: *Tachina spinipennis* (= *Triarthria setipennis*) ex *Noctua piniperda* (= *Panolis flammea*). – The host is probably wrong, this tachinid is a parasite of *Forficula*.

(91) p. 60: *Tachina quadripustulata* (= *Winthemia quadripustulata*) ex *Noctua* (= *Cucullia*) *verbasci*.

(92) p. 208: *Siphona geniculata* (misid. = a small *Siphona* sp., ?*S. collini*) ex *Agrotis* (= *Ochropleura*) *plecta*. – *S. geniculata* is a parasite of tipulid larvae.

Locality prb. Berlin area.

GIMMERTHAL 1834

(93) p. 99: *Tachina xylosteana* n. sp. (= prb. *Nemorilla* sp.) ex *Tortrix* (= *Archips*) *xylosteana*. Fig. 1 on tab.II.

(94) p. 100: *T. corylana* n. sp. (identity unknown) ex *Orgyia* (= *Colocasia*) *coryli*. Fig. 2 on tab.II, unrecognizable. – This and the preceding species were placed by GIMMERTHAL 1842: 674, in the genus *Nemoraea* sensu MEIGEN 1838, and tentatively (with ?) included in *Ernestia* by BEZZI 1907: 212, 216.

(95) p. 105: *T. lucorum* (prb. misid., identity unknown) ex *Acronicta aceris*.

(96) *T. praepotens* (= *Exorista larvarum*) ex *Acronicta tridens*.

Locality: Latvia.

HARTIG & HARTIG 1834

(97)* p. 568: *Tachina vulgaris* (misid. = *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri* pupae, common. – HARTIG 1838b: 295, has described the parasite as *Tachina erythrostoma* n. sp.

(98) – – (misid. = *Blondelia piniariae*) ex *Geometra piniaria* (= *Bupalus piniarius*) pupae, common. – Described as *Tachina piniariae* n. sp. by HARTIG 1838b: 284.

(99)* – – (misid. = *Phryxe nemea*) ex *Phalaena* (= *Abraxas*) *grossulariata* larvae. – The specimens in HARTIG's collection were labelled by MIK & WACHTL 1895: 245, as *Blepharidopsis hartigii* n. sp. (see no. 1364).

(100) – – (= *Phryxe vulgaris*, prb. correct) ex *Papilio* (= *Pieris*) *brassicae* pupae. – In his later studies of tachinids, HARTIG has been misled by a misprint in the book of MEIGEN 1824 (see no. 31). This has caused him to place *T. vulgaris* wrongly in a group of species with bare eyes, and to the wrong statement that he has never obtained it in rearings (HARTIG 1838b: 293).

(101) *Tachina concinnata* (= *Compsilura concinnata*) ex *Sphinx* (= *Hyloicus*) *pinastri*, common.

(102) *T. lucorum* (misid. = *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*. – HARTIG 1838b: 287, has described the parasite as *Tachina bimaculata* n. sp. (= *Drino inconspicua*) and corrected (p. 291) the previous misidentification.

(103) *T. spinipennis* (misid. = *Actia nudibasis*) ex *Tortrix pin(et)ana* (misid. = *Rhyacionia buoliana*). – Redetermined by HARTIG 1838b: 292, as *Tachina pilipennis* var. 3 (= *Actia nudibasis*). The host is cited there as *Tortrix pinetana* with *buoliana* in parentheses. The true *Tachina spinipennis* is *Triarthria setipennis*, parasite of *Forficula*.

(104) *T. selecta* with deeply cleft third antennal joint (misid. = *Peribaea fissicornis* ♂) ex *Geometra piniaria* (= *Bupalus piniarius*). – See also no. 187.

(105) p. 569: *Gonia nervosa* (= prb. *Gonia ornata*) ex *Agrotis* (= *Euxoa*) *cursoria* (prb. misid. = prb. *Agrotis vestigialis*). Puparium in the host pupa. – The determinations are changed in HARTIG 1838b: The host is cited as *Agrotis valligera* (= *A. vestigialis*) on pp. 278 and 298, and the parasite as *Gonia capitata* (prb. misid.) on p. 298.

Locality: Germany. *Specimens preserved in ZSMC.

MACQUART 1834

Host records are quoted from preceding literature. There is one lapse which has not been rectified in subsequent parasite-host catalogues.

(106) p. 298: *Senometopia meditata* Meigen, syn.: *Winthemia nobilis* Rob.-Desv., ex *Catocala nupta*. – Misquotation from ROBINEAU-DESVOIDY 1830: 175: *Winthemia catocalae* (not *W. nobilis* which follows on the same page) ex *C. nupta*, see no. 69. The host record is correctly quoted in MACQUART 1835: 107: *Senometopia catocalae* with its host and *S. meditata*, syn. *Winthemia nobilis*, without host. The synonymy is wrong: *Tachina meditata* Meigen is not a *Winthemia*, but *Huebneria affinis* Fallén (see HERTING 1972: 10). The misquoted host record of MACQUART 1834 is included in the catalogue of BEZZI 1907: 230 (*Winthemia meditata* ex *Catocala nupta*). MESNIL 1949: 74 has wrongly synonymized *W. meditata* with *Nemosturmia* (= *Timavia*) *amoena* and cited *Catocala nupta* wrongly as host of the latter species.

HARTIG 1837

All nominal tachinid species recorded in this paper are new species described by HARTIG in 1838b. Localities in Brandenburg and Mecklenburg (Germany).

Ex *Lophyrus* (= *Diprion*) *virens*, p. 123: (107) *Tachina bimaculata* (= *Drino inconspicua*).

Ex *L.* (= *D.*) *pallidus*, p. 131: (108) *T. gilva* (= *Drino gilva*) (common), (109) *T. inclusa* (= *Blondelia inclusa*) (rare), and (110) *T. bimaculata* (= *Drino inconspicua*) (rare).

Ex *L.* (= *D.*) *laricis*, p. 133: (111) *T. inclusa* (= *Blondelia inclusa*).

Ex *L.* (= *D.*) *frutetorum*, p. 137: (112) *T. janitrix* (= *Diplostichus janitrix*).

Ex *L.* (= *D.*) *variegatus* (host prb. misid. = prb. *D. frutetorum*, which is much more common; HARTIG confounded these two species, see ENSLIN 1917), p. 140: (113) *T. inclusa* (= *Blondelia inclusa*) (common), and (114) *T. bimaculata* (= *Drino inconspicua*) (only one specimen).

Ex *L.* (= *Diprion*) *pini*, p. 159: (115) *T. bimaculata* (= *D. inconspicua*) (very common), and (116) *T. gilva* (= *D. gilva*) (rare).

Ex *L.* (= *D.*) *similis*, p. 164: (117) *T. bimaculata* (= *D. inconspicua*).

Ex *L. rufus* (= *Neodiprion sertifer*), p. 166: (118) *T. bimaculata* (= *D. inconspicua*) (common), and (119) *T. gilva* (= *D. gilva*) (rare).

These records (nos. 107–119) are listed again by HARTIG 1838a: 274.

BOIE 1838

A paper neglected by tachinologists, so that most of the records are missing in the existing catalogues. Only the hosts of *T. viridis* (nos. 122–123) and *T. pacta* (nos. 137–140) which were quoted by ERICHSON 1839: 373 have become generally known.

(120) p. 241: *Siphona geniculata* ex grass-devastating larvae of *Tipula oleracea* (prb. misid. = prb. *T. paludosa*), many specimens.

(121) *Siphona tachinaria* (= *Siphona* sp.) ex *Geometra* (= *Erannis*) *defoliaria*. – Determined as *S. cristata* by STAEGER in ZETTERSTEDT 1849 (no. 322).

(122) *Tachina viridis* (= *Gymnochaeta viridis*) ex *Noctua airae* (= *Photedes minima*, syn.: *Petilampa arcuosa*), many specimens.

(123) p. 242: Larvae and pupae of *Geometra mensuraria* (= *Scotopteryx chenopodiata*, syn.: *Ortholitha limitata*) were found together with those of *Noctua airae*, but whether they also were parasitized by *Gymnochaeta viridis* was not ascertained.

(124) p. 243: *Tachina lateralis* (prb. misid. = prb. *Thelaira haematodes*) ex *Bombyx grammica* (= *Coscinia striata*) pupae. – *T. lateralis* (= *Eriothrix rufomaculata*) is a very common species, but the only confirmed host of it is a *Crambus* sp. (Pyralidae) [see above under no. 79].

(125) *Tachina tragica* (= *Elodia morio*) ex *Tortrix* sp. (= an undetermined tortricid).

(126) – – ex *Atychia* (= *Procris*) *pruni*. – The true host may have been a Microlepidoptera larva that was accidentally present in the rearing cage.

(127) *Tachina arvensis* (misid. = prb. *Phryxe vulgaris*) ex *Papilio* (= *Aglais*) *urticae*. – A misprint in MEIGEN 1824: 388, has made the identification of *T.* (= *P.*) *vulgaris* impossible, see no. 31. The true *T. arvensis* type in coll. MEIGEN (MNHN) is *Platymyia fimbriata*, but in coll. WINTHEM (NHMW) *Phryxe vulgaris* and *P. magnicornis* are misid. as *T. arvensis* (seen by me).

(128) – – (misid. = prb. *Phryxe vulgaris* or *P. nemea*) ex *Papilio* (= *Thecla*) *betulae*.

(129) – – (misid. = prb. *Phryxe vulgaris*) ex *Noctua* (= *Ochropleura*) *plecta*, several specimens.

(130) – – (misid. = prb. *Phryxe magnicornis*) ex *Zygaena trifolii*.

(131) *Tachina vulgaris* (misid. = ?*Thelymorpha marmorata*) [prb. too speculative because *T. marmorata* is unknown from this host] ex *Bombyx lubricipeda* (= *Spilosoma lutea*). – See no. 31. The species must have had the characters of group D. a. in MEIGEN 1824: 370 (bare eyes and a long third antennal joint).

(132) *Tachina ambigua* (sensu Meigen = *Athrycia curvinervis*) ex *Noctua perplexa* (= *Hadena perplexa*).

(133) *Tachina illustris* (= *Exorista larvarum*, or misid.) ex *Noctua* (= *Orthosia*) *gothica*, several specimens.

(134) p. 244: *Tachina neglecta* (= *Nemoraea pellucida* ♀) ex *Noctua* (= *Trachea*) *atriplicis*, several specimens.

(135) *Tachina radicum* (= *Eurithia anthophila*) ex *Papilio* (= *Aglais*) *urticae*. – Host wrong? The normal host are *Spilosoma* spp., which live on the same food-plant (*Urtica*).

(136) *T. libatrix* (= *Zenillia libatrix*) ex *Noctua* (= *Acronicta*) *menyanthidis*, two records, one from Hamburg. [this is prb. the indet. "*Tachina*" of BOIE 1835].

(137) p. 245: *Tachina pacta* (= *Zaira cinerea*) ex *Carabus violaceus*, (138) *Carabus hortensis*, (139) *C. clathratus*, and (140) *C. cancellatus*. – Records nos. 137–140 from Seeland (= Sjaelland, Denmark), DREWSEN. The adult hosts were parasitized.

(141) p. 246: *Tachina consobrina* (prb. misid., identity unknown) ex *Zygaena filipendulae*, RATZEBURG.

Localities prb. near Kiel (Holstein, Germany), unless otherwise stated.

HARTIG 1838(a+b) [a = pp. 246–274, b = pp. 275–306]

HARTIG worked at the Berlin University before he went to the Academy of Braunschweig in 1838. The remainder of his collection is kept in ZSMC and was revised by MIK & WACHTL 1895. At that time, the species *Tachina fera*, *puparum*, *nigra*, *flavescens*, *janitrix*, *bicolor*, *selecta*, *scutellaris* and *Gonia capitata* were already missing in it.

(142) pp. 260, 281: *Tachina fera* (prb. misid. = prb. *Tachina magnicornis*) ex *Noctua piniperda* (= *Panolis flammea*), very common, puparium in the empty skin of the caterpillars, flies emerged at the end of August. – The colour of legs and antennae, as described by HARTIG, agrees better with *T. magnicornis* than with *T. fera*. This has already been noticed by BAER 1925: 30.

(143) pp. 260, 281: *Tachina puparum* (misid. = *Ernestia rudis*) ex *Noctua piniperda* (= *Panolis flammea*), numerous, pupation in the soil, emerging after hibernation. – The identity of *T. puparum* sensu HARTIG with *Panzeria* (= *Ernestia*) *rudis* has been ascertained by ROBINEAU-DESVOIDY 1863(I):147, who had received a specimen from HARTIG.

(144) p. 281: *Tachina fulgens* (= *Linnaemyia comta* or misid. = *L. vulpina*) "soll in *Sphinx pinastri* vorkommen" (= is said to occur in *Hyloicus pinastri*). – A record of unknown origin, cited by HARTIG with doubt. The specimen standing in his collection under *T. fulgens* without further label (not reared from a host?) is a *L. vulpina*, as already stated by MIK & WACHTL 1895: 218.

(145) p. 282: *Tachina nigra* n. sp. (= *Thelaira haematodes*) ex *Bombyx* (= *Arctia*) *hebe*. – ROBINEAU-DESVOIDY 1863(I): 802–803, has given a more detailed description of HARTIG's specimen and created the genus *Phenicellia* for it.

(146) *Tachina flavescens* (= *Exorista larvarum*) ex *Bombyx* (= *Arctia*) *caja*.

(147) p. 283: *Tachina larvarum* (= *Exorista larvarum*, prb. correct) ex *Noctua piniperda* (= *Panolis flammea*), one specimen.

(148) – – ex hibernating caterpillars of *Bombyx* (= *Arctia*) *caja*, two thirds of them parasitized. The flies emerged April–May, 6–10 from each host.

(149) – – ex *B.* (= *Leucoma*) *salicis*. Cited also p. 278.

(150) – – ex *B.* (= *Lasiocampa*) *quercus*.

(151) – – ex *B.* (= *Malacosoma*) *neustria*, leg. MUSS.

(152) – – ex *Orgyia gonostigma* (= *O. recens*).

(153) – – ex *Sphinx* (= *Celerio*) *galii*, 10 larvae out of one host.

(154) – – ex *Vanessa* (= *Nymphalis*) *polychloros*. Cited also p. 278.

(155)* – – ex *Noctua* (= *Ochropleura*) *praecox*. – This single specimen is labelled with the host name, whereas all other specimens standing in HARTIG's collection bear no information, see no. 157.

(156) – – not ex *Bombyx* (= *Dendrolimus*) *pini*, and not ex *Lophyrus* (= *Diprion*) *pini*, although very large numbers of these two host species were reared. – ROBINEAU-DESVOIDY 1863(I): 963,

has misread this negative statement as a positive one, and has wrongly included both species in the host list of *Tachina larvarum* with reference to HARTIG.

(157)* Besides the labelled specimen cited here under no. 155, there are 1 ♂, 1 ♀ *Exorista larvarum* and 5 ♂♂, 2 ♀♀ *E. fasciata* standing without label under the name *T. larvarum* in HARTIG's collection. The preferred hosts of *E. fasciata* among forest Lepidoptera are *Dendrolimus pini* and *Lymantria monacha*. HARTIG has not recorded his *T. larvarum* from either of these two host species, but RATZEBURG obtained it from *L. monacha* in the following years. He called it *T. larvarum* in 1841 (no. 210c), but *T. monachae* n. sp. in 1844 (no. 233). The latter is prb. *E. fasciata*, at least in part. The unlabelled series in coll. HARTIG could have been bred from *L. monacha* after 1838, and there are also two specimens of the specific *Lymantria*-parasite *Parasetigena silvestris* (seen by MIK & WACHTL 1895: 247, as *Duponchelia segregata*, and by me) in coll. HARTIG.

(158)* p. 284: *Tachina piniariae* n. sp. (= *Blondelia piniariae*) ex *Geometra piniaria* (= *Bupalus piniarius*). Cited also p. 262.

(159) – – (misid. = *Blondelia nigripes*) ex *Geometra* (= *Abraxas*) *grossulariata*. – Other specimens ex *A. grossulariata* in coll. HARTIG are *Phryxe nemea* (see no. 99), but the description of *T. piniariae* excludes a confoundation with *Phryxe*. In outer morphology, *B. nigripes* and *B. piniariae* cannot be separated.

(160)* pp. 285, 279: *Tachina simulans* (misid. = *Blondelia inclusa* ♂) ex *Lophyrus variegatus* (prb. misid. = prb. *Diprion frutetorum*, see no. 113), and (161) ex *L.* (= *D.*) *pini*. – The true *T. simulans* is *Exorista mimula*.

(162)* pp. 286, 279: *Tachina inclusa* n. sp. (= *Blondelia inclusa* ♀) ex *Lophyrus variegatus* (prb. misid. = prb. *Diprion frutetorum*, see no. 113), (163) *L.* (= *D.*) *pini*, (164) *L.* (= *D.*) *laricis*, and (165) *L.* (= *D.*) *pallidus*.

(166)* p. 287: *Tachina bimaculata* n. sp. (= *Drino inconspicua*) ex *Bombyx* (= *Dendrolimus*) *pini*. Flies ex hibernated host caterpillars emerged in June, those from later collected caterpillars in August and September. p. 256: in small numbers.

(167) – – ex *B.* (= *Lymantria*) *monacha*. p. 259: in very small numbers.

(168) – – ex *B.* (= *L.*) *dispar*.

(169) – – ex *Noctua piniperda* (= *Panolis flammea*). Flies emerged in late July. p. 260: less common than *Tachina fera* (*magnicornis*) and *Ernestia rudis*.

(170)* – – ex *Lophyrus* (= *Diprion*) *pini*, most common.

(171) – – ex *L. rufus* (= *Neodiprion sertifer*).

(172) – – ex *L.* (= *Diprion*) *similis*.

(173) – – ex *L.* (= *D.*) *virens*.

(174) – – ex *L.* (= *D.*) *pallidus*.

(175)* pp. 289, 287: *Tachina gilva* n. sp. (= *Drino gilva*) ex *Lophyrus* (= *Diprion*) *pallidus*.

(176) – – ex *L.* (= *D.*) *laricis*.

(177) p. 287: – – ex *L. variegatus* (prb. misid. = prb. *Diprion frutetorum*). – HARTIG 1837, no. 114, has recorded *T. bimaculata* (= *Drino inconspicua*), not *gilva*, from this host.

(178)* pp. 290, 279: *Tachina janitrix* n. sp. (= *Diplostichus janitrix*) ex *Lophyrus* (= *Diprion*) *frutetorum*. Puparium inside the host cocoon, the fly emerging through a preformed lid in the cocoon wall in early August.

(179) p. 290: *Tachina affinis* (= *Huebneria affinis*) ex *Euprepia* (= *Arctia*) *caja*. The flies emerged mid July.

(180)* p. 291: *Tachina lucorum* (misid. = *Carcelia laxifrons*) ex *Laria* (= *Leucoma*) *salicis*.

(181) – – (– = –) ex *Laria* (= *Lymantria*) *dispar*, feeding together with *L. salicis* on *Salix* and *Populus*. – Very questionable, because a parasitism of *C. laxifrons* on *L. dispar* has never been confirmed.

(182) to nos. 180–181: In HARTIG's collection, only specimens of *Carcelia laxifrons* are standing under the name *Tachina lucorum*, but he states that the flies emerged from the puparia 2–4 weeks after the larvae had left the host. This does not correspond with the one-year life-cycle of *C. laxifrons* and indicates that another species (prb. *Carcelia gnava*) was also present in the rearing. ROBINEAU-DESVOIDY 1863(I): 221, had received a specimen from HARTIG (ex *L. salicis*) and found it identical with specimens that he himself had reared from *Dasychira pudibunda*. These were almost certainly *Carcelia gnava*, see no. 435.

(183) to nos. 180–181: BRAUER & BERGENSTAMM 1894: 567, have listed these two host records under *Parexorista lucorum* with reference to Z. K. M. III, 78 (= BRAUER 1883a: 78, where HARTIG is cited). BEZZI 1907: 234 and 236, has synonymized *Parexorista lucorum* B.B. with *Carcelia cheloniae* (= *C. lucorum*), and *Sisyropa lucorum* B.B. with *Carcelia* (= *Senometopia*) *excisa*, but he misplaced the hosts of *P. lucorum* from BRAUER & BERGENSTAMM's list (including the records of HARTIG) in the host list of *C.* (= *S.*) *excisa*. MIK & WACHTL 1895: 230, misidentified the specimens in HARTIG's collection (which are *Carcelia laxifrons*) as *Parexorista comata*, and that is quoted by BEZZI 1907: 240 (*Exorista comata*), with the two hosts. In BEZZI's catalogue, the records of HARTIG are thus cited twice in wrong places. The true *comata* Rondani is *C. lucorum*.

(184)* p. 292: *Tachina pilipennis* var. 3 (= *Actia nudibasis*) ex *Tortrix resinana* (= *Petrova resinella*). Cited also p. 268.

(185)* – – (= – –) ex *Tortrix pinetana* (misid. = *Rhyacionia buoliana*). – HARTIG has added *buoliana* in parentheses to the host name, and in 1838a: 267, he has used only the name *Tortrix buoliana*. The true *T. pinetana* is *Olethreutes schulziana*, which is therefore, but wrongly, cited as host of *Actia pilipennis* by BEZZI 1907: 390.

(186) *Tachina bicolor* (= *Ceromyia bicolor*) ex *Bombyx* (= *Lasiocampa*) *quercus*. The flies emerged in mid June.

(187) p. 293: *Tachina selecta* (misid. = *Peribaea fissicornis*, 1 ♂) ex *Geometra piniaria* (= *Bupalus piniarius*) caterpillar. Pupation in the soil, emerging 14 days later. The splitting of the 3rd antennal joint is mentioned. – The biological data on p. 262 apply only to *T.* (= *Blondelia*) *piniariae*.

(188) *Tachina vertiginosa* (= *Thelymorpha marmorata*) ex *Bombyx* (= *Arctia*) *caja*, emerging of the fly in beginning of July.

(189) *Tachina scutellaris* (misid. = prb. *Masicera sphingivora*) ex *Sphinx* (= *Mimas*) *tiliae* pupa, the fly emerging in June of next year. – Wrongly synonymized with *Masicera pavoniae* by ROBINEAU-DESVOIDY 1863(I): 880, and with *M. silvatica* by MIK & WACHTL 1895: 232, and BEZZI 1907: 282.

(190)* p. 294: *Tachina auronitens* (= *Frontina laeta*) ex *Bombyx* (= *Malacosoma*) *castrensis*, 25th July. – The host must be wrong, because *F. laeta* has a one year life-cycle with flight period in July–September, whereas the larvae of *M. castrensis* are feeding in May–June.

(191)* p. 295: *Tachina erythrostoma* n. sp. (= *Phryxe erythrostoma*) ex hibernated pupae of *Sphinx* (= *Hyloicus*) *pinastri*, 2–13 from one host, common in host samples collected in four different provinces. Puparium in the soil. Cited also on p. 269.

(192) – – not ex *Bombyx* (= *Dendrolimus*) *pini*, not a single specimen reared from many thousands of host larvae. – This negative statement has been misunderstood by ROBINEAU-DESVOIDY 1863(I): 319 (*Hemithaea erythrostoma*), as a positive record, and the wrong host has been cited in subsequent literature.

(193)* p. 296: *Tachina tenthredinum* n. sp. (= *Bessa selecta*) ex tenthredinid larvae on *Salix* and *Fraxinus*.

(194) *Tachina concinnata* (= *Compsilura concinnata*) ex *Pontia* (= *Pieris*) *brassicae*, (195) *Noctua* (= *Acronicta*) *tridens*, (196) *Bombyx* (= *Euproctis*) *chrysorrhoea*, and (197) *B.* (= *Leucoma*) *salicis*.

(198) p. 298: *Gonia capitata* (prb. misid. = prb. *Gonia ornata*) ex *Noctua* (= *Ochropleura*) *praecox*.

(199) – – (– = –) ex *Agrotis valligera* (= *A. vestigialis*). Puparium in the empty host pupa, emerging in 1st half of May. Cited also on p. 278, the parasite as *Gonia nervosa* (see also Hartig & Hartig 1834: no. 105).

Localities in Germany (not specified).

Dufour & Perris 1840

(200) p. 12: *Senometopia spinipennis* (misid.) ex *Osmia tridentata*, SW France. – The parasite larvae found inside the nest cells of this host were probably Sarcophagidae (Miltogrammatinae). *Tachina spinipennis* (= *Triarthria setipennis*) is a parasite of *Forficula*.

Ratzeburg 1840

The collection of Ratzeburg at Eberswalde has been destroyed during the war, but some specimens that he had given to Hartig are preserved in ZSMC.

(201) p. 98: *Tachina bimaculata* (= *Drino inconspicua*) ex *Bombyx* (= *Lymantria*) *monacha*, rare.

(202) p. 125: *Tachina ochracea* n. sp. (= *Zenillia libatrix*) ex *B.* (= *Thaumetopoea*) *processionea*, Rheinland and Westfalen. – Wrongly synonymized with *Myxexorista grisella* (= *Zenillia dolosa*) by Brauer & Bergenstamm 1894: 563.

(203)* *Tachina processioneae* n. sp. (= *Pales processioneae*, syn. *P. opulenta* Herting) ex *B.* (= *Th.*) *processionea*, Rheinland and Westfalen (on label: Köln). – Mik & Wachtl 1895: 238, have confounded this species with *Phorocera cilipeda* (= *Pales pavida*) and wrongly used *Phorocera processioneae* as valid name of the latter. Stein 1924: 66, has wrongly used the name processioneae in the genus *Carcelia* for a variety (parafacials bare) of *C. iliaca*, because the two species were confounded in Ratzeburg's collection at Eberswalde. Details see Herting 1990: 2.

(204)* *Tachina iliaca* n. sp. (= *Carcelia iliaca*) ex *B.* (= *Th.*) *processionea*, Rheinland and Westfalen.

(205) p. 152: *Tachina bimaculata* (= *Drino inconspicua*) ex *Bombyx* (= *Dendrolimus*) *pini*, common.

(206) pp. 174, 175: *Tachina glabrata* (misid. = *Ernestia rudis*) ex *Noctua piniperda* (= *Panolis flammea*), common.

Localities in Germany.

Roser 1840

(207)* p. 57: *Tachina ephippium* n. sp. (= *Tachina lurida*) ex *Sphinx euphorbiae* (misid. = *Orthosia cruda*). – The empty pupa of the host, which included the empty puparium of the parasite, is pinned together with the fly. I am grateful to the specialist J. Patočka, Zvolen (Slovakia), for the correct determination.

(208) *T. vulgaris* (misid. = ?*Zaira cinerea*) ex *Procrustes* (= *Carabus*) *coriaceus*. – Two unlabelled specimens of *Z. cinerea* are in the collection, but there is no indication that they have been reared. The species could have been misidentified as *T. vulgaris* because of a misprint in the paper of Meigen 1824, see no. 31.

(209)* p. 57: *Tachina atramentaria* (= *Stevenia atramentaria*, Rhinophoridae) ex *Oniscus asellus* (misid. = *Trachelipus brandti*, det. Schmalfuss). – The empty skin of the parasitized isopod is pinned together with the fly.

Localities in Württemberg (SW Germany). Specimens in SMNS.

Ratzeburg 1841

(210a) Taf. I, fig. 9, text p. 8: *Tachina laevigata* (misid. = *Ernestia rudis*) very common ex "Eulenpuppen" (= pupae of *Panolis flammea*). – Cited by Ratzeburg 1844, p. 171, as *Tachina glabrata* (no. 220).

(210b) Taf. I, fig. 10, text p. 8: *Tachina fera* (prb. misid. = *Tachina magnicornis*) [the narrow frons and the narrow abdominal stripe equals the true *T. fera*] ex Nonne (= *Lymantria monacha*). – See no. 218.

(210c) p. 69, footnote: *Tachina larvarum* (= *Exorista fasciata* or *E. larvarum*) ex Nonne (= *Lymantria monacha*), East Germany. From 500 full-grown host larvae, 44 flies were obtained after a short pupal period, from 75 puparia the flies did not emerge. – The latter were prb. *Parasetigena silvestris*, which remains in diapause until the next spring.

Audouin 1842

(211) p. 194: *Musca hortorum* (misid. = *Nemorilla* sp., prb. *N. maculosa*) ex *Pyralis vitana* (= *Sparganothis pilleriana*), Mâconnais (Saône-et-Loire, France). When the host larva began spinning the cocoon, it was killed by the internal parasite. – Audouin refers to *Musca hortorum* in Meigen 1826: 73, which is *Morellia hortorum* Fallén, a non-parasitic Muscidae. The picture of the fly (pl. 19, fig. 5) shows clearly a *Nemorilla*. Cited by Mayet 1890: 219 as *Tachina hortorum* Meigen, a combination which does not exist as nominal species. Wrongly synonymized with *Eristalis tenax* var. *hortorum* Meigen (Syrphidae) by Leonardi 1925: 28, and 1928: 143.

Wahlberg 1842

(212) p. 235: *Gonia fasciata* (= *Gonia picea*) pursued a flying *Bombus terrestris*. This observation is included in a report on the sarcophagid *Miltogramma oestraceum*, which follows its host *Megilla retusa* (= *Anthophora retusa*, Hym. Apidae) to the entrance of the nest and larviposits on it. – Wrongly quoted by Zetterstedt 1849: 3252, as *Gonia fasciata* ovipositing on *M. retusa*. Also misquoted by Schiner 1862: 441, who wrongly states that Wahlberg had found the larvae of *Gonia fasciata* in the nests of *B. terrestris* and *M. retusa*.

Heyden 1843

(213) p. 209: *Gymnosoma rotundata* [only "*Gymnosoma*" is stated, not "*rotundata*"] (possibly misid. = *Gymnosoma* sp.) ex *Pentatoma* sp. (= pentatomid indet.). Locality prb. near Frankfurt/Main.

Siebold 1843

(214) p. 391: Diptera larvae (= *Thrixion aberrans*) in *Bacillus rossii* ♀, Istria (Croatia), up to 13 parasites in one host. Pl. I, figs. 1–4: 3rd instar larva, head, antenna, anterior and posterior stigmata. – The drawings show the characteristics of *Thrixion* larvae.

Passerini 1844

(215)* p. 123: *Musca larvarum* (misid. = *Linnaemyia lithosiophaga*) ex *Lithosia* (= *Eilema*) *caniola*, Firenze (= Florence, Italy). From 40 host pupae more than 20 flies and only 6 moths were obtained. – Rondani 1859 (no. 388), has described the parasite from this rearing as *Micropalpus lithosiophagus* n. sp., specimens in MZUF.

Ratzeburg 1844

The author uses the generic names *Tachina* and *Gonia* only as subgenera of *Musca*. The collection of R. at Eberswalde has been destroyed during the war, but some specimens that he had given to Hartig are preserved in ZSMC.

(216) p. 166: *Tachina concinnata* (= *Compsilura concinnata*) ovipositing on two larvae of *Sphinx* (= prb. *Hyloicus pinastri*), observed by Bouché [recorded as reared from *Sphinx pinastri* by Bouché 1833, 1834].

(217) p. 168: *Tachina bimaculata* (= *Drino inconspicua*) ex Forleule (= *Panolis flammea*).

(218) p. 171: *Tachina fera* (prb. misid. = *T. magnicornis*, Taf. X, fig. 1F, black median stripe broadened on last abdominal segment) ex *Bombyx* (= *Lymantria*) *monacha*, a single specimen.

(219) *Tachina fera* (or misid. = *T. magnicornis*) ex *Noctua* (= *Lithosia*) *quadra*, GRAFF.

(220) *Tachina glabrata* (misid. = *Ernestia rudis*) ex hibernated pupae of *Noctua piniperda* (= *Panolis flammea*), very numerous, Boitzenburg (Uckermark). Taf. X, fig. 2.

(221) p. 172: *Tachina flaviceps* n. sp. (= *Ceromyia flaviceps*) ex Kienraupen (= *Dendrolimus pini*), mid July, in numbers. – The species is missing in the catalogue of BEZZI 1907. STEIN 1924: 134, has seen it in RATZEBURG's collection, he assumed that it was unpublished and described it with the same species name as *Actia flaviceps* n. sp.

(222) *Tachina hartigii* n. sp. (= *Goniocera versicolor*) ex *Bombyx* (= *Malacosoma*) *neustria*. – Cited by BEZZI 1907: 351, as doubtful species in the genus *Tachina*. On the identity see HERTING 1982: 8.

(223) *Tachina pilipennis* (misid. = *Actia nudibasis*) ex *Tortrix* (= *Rhyacionia*) *buoliana*, very common. Fig. 4A on Taf. X shows the characteristic wing of *Actia nudibasis* (vein r_1 ciliate only in its apical third), fig. 4T the puparium.

(224) – – (– = –) ex *Tortrix resinana* (= *Petrova resinella*), very common.

(225) – – (= *Actia pilipennis*, or misid.) ex *Tinea* (= *Hyponomeuta*) *evonymella*, BOUCHÉ. – A parasitism of an *Actia* on *Hyponomeuta* has never been confirmed.

(226) *Tachina crassicornis* (prb. misid., identity unknown) ex *Tortrix resinana* (= *Petrova resinella*), 1 specimen, 6.VI.

(227) *Tachina evonymellae* n. sp. (= *Bactromyia aurulenta*) ex *Tinea* (= *Hyponomeuta*) *evonymella*, July. – Host on *Prunus padus*, see RATZEBURG 1840: 249.

(228) *Tachina setipennis* (= *Triarthria setipennis*) ex *T.* (= *H.*) *evonymella*, BOUCHÉ. – The true host was probably a *Forficula*.

(229) *Tachina simulans* (misid. = *Blondelia inclusa* ♂) ex *Tenthredo* (= *Diprion*) *pini*, hibernated cocoons. [Also *Tenthredo* (= *Gilpinia*) *variegata* is recorded as host.]

(230) p. 173: *Tachina inclusa* (= *Blondelia inclusa* ♀) ex different *Lophyrus* (= *Diprion* spp., including *D. pini*), mid July.

(231)* *Tachina angusticornis* n. sp. (= *Baumhaueria goniaeformis*) ex *Bombyx* (= *Eriogaster*) *lanestris*. – A specimen is preserved in coll. HARTIG. The species was tentatively synonymized with *Thelymorpha vertiginosa* (= *Th. marmorata*) by BRAUER & BERGENSTAMM 1894: 575, and this wrong synonymy has been quoted by LEDERER 1925: 23.

(232) *Tachina larvincola* n. sp. (= prb. *Exorista larvarum*) ex *Bombyx* (= *Lymantria*) *dispar*. – Cited by BEZZI 1907: 352, as doubtful species in the genus *Tachina*. See also no. 1303.

(233) *Tachina monachae* n. sp. (= *Exorista fasciata* and/or *E. larvarum*) ex *Bombyx* (= *Lymantria*) *monacha*, common, adults emerging in autumn. – This is the species called *T. larvarum* in RATZEBURG 1841 (no. 210c). Cited by BEZZI 1907: 352 as doubtful species in the genus *Tachina*.

(234) – – (= prb. *Exorista larvarum*) ex *Bombyx* (= *Malacosoma*) *neustria*.

(235) – – (= – –) ex *B.* (= *Lymantria*) *dispar*.

(236) *Tachina neustriae* n. sp. (= ?*Thelymorpha marmorata*) ex *Malacosoma neustria*. The host is not mentioned, but the species name refers to it. – Cited by BEZZI 1907: 352, as doubtful species in the genus *Tachina*.

(237) *Tachina piniariae* (= *Blondelia piniariae*) ex *Geometra piniaria* (= *Bupalus piniarius*), solitary, hibernating as larva in the host pupa.

(238)* p. 174: *Tachina pinivorae* n. sp. (= *Blondelia nigripes*) ex *Bombyx* (= *Thaumetopoea*) *pinivora*. – 1 ♂ in HARTIG's collection. [*Blondelia pinivorae* is a valid species, see BERGSTRÖM & BYSTROWSKI 2011, the specimen in ZSMC (now lectotype) is a female according to these authors.]

(239) *Tachina crassiseta* n. sp. (= prb. *Masicera sphingivora*) ex *Bombyx* (= *Lymantria*) *dispar*, GRAFF. – The species is missing in the catalogue of BEZZI 1907. STEIN 1924: 92, has seen the specimen and identified it as *Masicera silvatica*. The male of *M. silvatica* sensu Stein has two pairs of proclinate orbital bristles (= *M. sphingivora*).

(240) *Tachina erythrostoma* (= *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, common, hibernating in the host pupa.

(241) *Tachina lucorum* (misid. = prb. *Carcelia gnava*) ex *Bombyx* (= *Leucoma*) *salicis*, common. – The description (arista thickened in basal half) agrees better with *C. gnava* than with other *Carcelia* spp.

(242) *Tachina ruficrus* n. sp. (= unknown sp.) ex *Sphinx* (= *Hyloicus*) *pinastri*, GRAFF. – The species is missing in the catalogue of BEZZI 1907.

(243) *Tachina ochracea* (= *Zenillia libatrix*) ex *Bombyx* (= *Thaumetopoea*) *processionea*, common, Lödderitz (near Dessau, Sachsen).

(244) p. 174 and fig. 7 on Taf. X: *Gonia piniperdae* n. sp. (= prb. *Gonia picea*) ex hibernated pupae of *Noctua piniperda* (= *Panolis flammea*). – Cited by BEZZI 1907: 353, as doubtful species in the genus *Tachina*. BAER 1921: 363 (reprint p. 143), recognized its probable identity with *Gonia fasciata* (= *G. picea*). The host record is questionable, because some pupae of *Cerapteryx graminis*, the normal host of *G. picea*, may have been collected together with the *Panolis*-pupae.

(245) p. 175: *Musca quinquevittata* (= *Agria affinis*, Sarcophagidae) ex *Bombyx* (= *Lymantria*) *monacha* and *B.* (= *L.*) *dispar*, very common. – Described as *Sarcophaga quinquevittata* n. sp. by HARTIG 1838b: 303, Host: *Bombyx* (= *Dendrolimus*) *pini*. Wrongly placed in the genus *Tachina* by RONDANI 1872a: 163, 335, and misspelled "*Tachina quinquevitalata* Hrtg." in the parasite list of *Porthetria* (= *Lymantria*) *dispar* by FERNALD in FORBUSH & FERNALD 1896 (no. 1383).

Localities in Germany (not specified).

ZETTERSTEDT 1844

The collection ZETTERSTEDT is well preserved, but the labels are tiny coloured plates referring only to localities, not to hosts. Specimens pinned together with the puparium were sent to me by courtesy of R. DANIELSSON. It is likely that the hosts mentioned in the publication belong to these specimens.

(246)* p. 1014: *Tachina fasciata* (= *Exorista fasciata*) ex *Arctia caja*, several specimens, Lund.

(247) p. 1039: *Tachina pacta* (= *Zaira cinerea*) ex *Carabus violaceus*, STAEGER, Denmark.

(248) p. 1042: *Tachina flavoscutellata* n. sp. (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) sp., MARKLIN. – The host is wrongly referred to *Blepharipa schineri* (= *flavoscutellata* sensu Schiner, not Zetterstedt) by MESNIL 1950: 140.

(249) p. 1078: *Tachina erinaceus* (prb. misid. = prb. *Triarthria setipennis*) "in *Tephritis* pupa parasita e fructu Rosae exclusa …, teste DAHLBOM". – Host certainly wrong. The tephritid living in rose hips is *Rhagoletis alternata*, but puparia of the *Forficula*-parasite *T. setipennis* are often found in small cavities, and the adult of that species has parafacial bristles like *Peteina*

erinaceus. The remark "teste Dahlbohm" may indicate that the specimen was not determined by ZETTERSTEDT.

(250) p. 1089: *Tachina grandis* n. sp. (= *Exorista grandis*) ex *Bombyx* (= *Arctia*) *caja*, one specimen, Lund.

(251) – – ex *Saturnia pavonula* (= *S. pavonia*), Östergotland, WAHLBERG.

(252) p. 1092: *Tachina pavoniae* n. sp. (= *Exorista grandis*) ex *Saturnia* (= *S. pavonia*), Gusum (Östergotland), WAHLBERG.

(253) p. 1105: *Tachina 4-pustulata* (?misid. = ?*Winthemia cruentata*) ex *Saturnia carpini* (= *S. pavonia*). – A specimen, pinned together with the puparium, is *W. cruentata*, but there is no label indicating the host.

(254) p. 1107: *Tachina affinis* (= *Huebneria affinis*) ex *Saturnia carpini* (= *S. pavonia*), and (255) *Arctia caja* (common).

(256) p. 1125: *Tachina assimilis* (= *Phorocera assimilis*) ex *Bombyx pavonella* (= *Saturnia pavonia*). [*P. assimilis* was never recorded again from this commonly reared host, so prb. misid. or host wrong.]

(257) p. 1127: *Tachina lata* n. sp. (= *Diplostichus janitrix*) ex *Lophyrus* (= *Diprion*) *pini*, DAHLBOM. – Cited as doubtful species in the genus *Phorocera* by BEZZI 1907: 319. The identity with *D. janitrix* has been stated by RINGDAHL 1934: 269.

(258)* p. 1267: *Dexia leucozona* (misid. = *Thelaira nigripes*) ex *Chelonia* (= *Arctia*) *caja*. – Several specimens labelled as *D. leucozona*, with puparia (host not indicated), are all *T. nigripes*. [*Arctia caja* is the typical host of the true *Thelaira leucozona*, hence it cannot be ruled out the specimens of *T. nigripes* with puparia might belong to the following host.]

(259) – – (– = –) ex *Chelonia lubricipeda* (= *Spilosoma lutea*). – See preceding note.

VERLOREN 1846

(260) p. 205: *Tachina glabrata* (misid. = *Ernestia rudis*) ex *Noctua piniperda* (= *Panolis flammea*), prov. Utrecht (NL). Further details in VERLOREN 1847: 131, 133. Up to 73 % of the hosts were parasitized by this tachinid. – Redetermined as *Nemoraea strenua* (= *Ernestia rudis*) by WULP 1869: 141.

GIMMERTHAL 1847

(261) p. 188: *Phorocera assimilis* (prb. misid., identity unknown) ex *Cossus ligniperda* (= *C. cossus*), KAWALL.

(262) *P. pumicata* (misid. = *Pales pavida*) ex *Noctua* (= *Plusia*) *gamma*, BÜTTNER.

Locality: Kurland (= W Latvia).

RATZEBURG 1847

(263) p. 61: *Tachina processioneae* (prb. misid. = prb. *Carcelia iliaca*) ex *Gastropacha* (= *Thaumetopoea*) *pinivora*, HERING. – The lectotype of *T. processioneae* in ZSMC is a *Pales* (see no. 203) but the specimens standing under this name in RATZEBURG's collection in Eberswalde and seen by STEIN 1924: 67 were all *iliaca*. R. had described the two species with unreliable characters and confounded them.

VERLOREN 1847 see VERLOREN 1846

BOIE 1848

(264) p. 338: *Tachina rudis*, det. WINTHEM and STAEGER (= *Ernestia rudis*), most common parasite of *Noctua piniperda* (= *Panolis flammea*), Holstein (N Germany). In 1846, adults of this tachinid were very abundant, and nearly 100 % of the host larvae were parasitized by it.

BRANTS 1848

(265) p. 74: tachinid larvae (= prb. *Ernestia rudis*) in *Trachea piniperda* (= *Panolis flammea*). Development of the respiratory funnel.

DUFOUR 1848

(266) p. 428: *Phasia crassipennis* (= *Ectophasia crassipennis*) ex *Pentatoma grisea* (= *Rhaphigaster nebulosa*), SW France.

HEEGER 1848

(267) p. 325: *Tachina bisignata* (= *Meigenia* sp.) ex *Paropsis sexpunctata* (= *Phytodecta fornicata*). – Cited also by ROSSI 1848: 47.

(268) p. 990: *T. bisignata* (prb. misid. = prb. *Nemorilla* sp.) ex *Epischnia* (= *Gymnancyla*) *canella*.

Locality: Mödling near Vienna (Austria).

MACQUART 1848

All rearings by BREMI, Zürich (CH).

(269)* p. 96: *Plagia transversa* n. sp. (= *Voria ruralis*, in ETHZ) ex *Plusia illustris* (= *Plusia variabilis*).

(270) p. 99: *Doria concinnata* (= *Compsilura concinnata*) ex *Bombyx* (= *Poecilocampa*) *populi*.

(271) p. 125: *Nemoraea analis* n. sp. (= *Winthemia quadripustulata*) ex *Cucullia verbasci*, and (272) *Elopia* (= *Ourapteryx*) *sambucaria*. – (273) to nos. 271–272: *N. analis* has been wrongly synonymized with *Winthemia crassicornis* (= *W. rufiventris*) by MESNIL 1949: 88 and both host records are wrongly cited by him under that species.

ROSSI 1848

Reared in Austria by SCHEFFER (= SCH.), DORFMEISTER (= DFM.) or by the author himself.

(274) p. 46: *Echinomyia rubricornis* (prb. misid. = prb. *Peleteria ferina*) ex *Euprepia* (= *Hyphoraia*) *aulica*, SCH. and ROSSI. – *E. rubricornis* Rob.-Desv. has been synonymized with *E.* (= *Tachina*) *fera*, and the host record is therefore cited by SCHINER 1862: 425, and in subsequent catalogues under the latter species, but this is probably wrong.

(275) p. 47: *Tachina larvarum* (= *Exorista larvarum*) ex *Melitaea didyma*, and (276) *Zygaena filipendulae*.

(277) *T. morosa* (= *Drino atropivora*) ex *Acherontia atropos*, puparia agglomerated to a compact disc in the soil. – The original *T. morosa* Meigen is a species of doubtful identity.

(278) *T. bisignata* (= *Meigenia* sp., prb. *mutabilis*) ex *Athalia spinarum* (= *A. rosae*), HEEGER. – Another host see no. 267.

(279) *T. doris* (misid. = *Sturmia bella*) ex *Vanessa cardui*, SCH. – The wrong determination was rectified and the host record referred to *Argyrophylax pupiphaga* (= *Sturmia bella*) by BRAUER & BERGENSTAMM 1894: 544. The true *T. doris* is *Lydella stabulans*, it was incorrectly synonymized with *Ceromasia senilis* (= *Lydella grisescens*) by BEZZI 1907: 287. See also no. 2605 (LEONARDI 1924: 6).

(280) *T. terminalis* (identity unknown) ex *"Lat." pyri* (= *Saturnia pyri*). – This record is not quoted by SCHINER 1862: 480, and subsequent authors. *T. terminalis* has been synonymized with *Phryxe vulgaris* by BEZZI 1907: 275, but the original description of MEIGEN 1824: 323, does not fit at all with this species.

(281) *T. bella* (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*.

(282) – – (= *S. bella*, or misid. = *Drino inconspicua*) ex *Liparis* (= *Lymantria*) *dispar*, DFM.

(283) to nos. 281–282: BEZZI 1907: 226, has wrongly synonymized *T. bella* with *Sturmia* (= *Drino*) *atropivora* and wrongly referred the two hosts *Vanessa io* and *Lymantria dispar* to the latter species.

(284) *Tachina agilis* (= *Blondelia nigripes*, or misid.) ex *Vanessa* (= *Inachis*) *io*, and (285) *V.* (= *Aglais*) *urticae*.

(286) p. 51: *Nemoraea quadripustulata* (= *Winthemia quadripustulata*) ex *Cucullia verbasci*, SCH.

(287) – – (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*.

(288) *Myobia aurea* (= *Leskia aurea*) ex *Sesia* (= *Bembecia*) *ichneumoniformis*, KOLLAR, and (289) *S. cynipiformis* (= *Synanthedon vespiformis*).

(290) p. 52: *Thryptocera spinipennis* (= *Triarthria setipennis*) ex *Noctua piniperda* (= *Panolis flammea*), SCH. – The true host was prb. a *Forficula*.

(291) *Thryptocera pilipennis* (prb. misid. = prb. *Actia crassicornis*) ex *Tinea* (= *Depressaria*) *liturella* (= *D. flavella*), SCH.

(292) *Thryptocera bicolor* (= *Ceromyia bicolor*, or misid.) ex *Ph. mediella* (= *Morophaga boleti*), SCH. – Questionable. The genus name *Phalaena* for a tineid indicates a very old record, and the host is abnormal for *C. bicolor.*

(293) p. 53: *Frontina vertiginosa* (= *Thelymorpha marmorata*) ex *Euprepia* (= *Arctia*) *villica*.

(294) p. 54: *Exorista affinis* (= *Huebneria affinis*, or misid.) ex *Liparis* (= *Lymantria*) *dispar.*

(295) *E. nemestrina* (misid. = ?*Phebellia clavellariae*) ex *Clavellaria amerinae*, SCH. – The true *nemestrina* Meigen is *Platymyia fimbriata*.

(296) *E. lucorum* (= *Carcelia lucorum*) ex *Euprepia* (= *Arctia*) *villica*, (297) *E.* (= *Phragmatobia*) *fuliginosa*, and (298) *E.* (= *Arctia*) *caja*.

(299) – – (= *Carcelia lucorum*, or misid. = *C. dubia*) ex *Euprepia* (= *Arctia*) *hebe*, DFM.

(300) – – (prb. misid., prb. *Senometopia separata*) ex *Endromis versicolora*. – The only species of *Carcelia* s. lat. definitely known to be a parasite of *E. versicolora* is *S. separata*.

(301) to nos. 296–300: *E. lucorum* with reference to ROSSI 1848: 54, has been wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 235, and the above mentioned five hosts have been wrongly attributed to that species.

(302) *E. albicans* (misid., identity unknown) ex *Acronicta rumicis*, SCH. – This host record is not quoted by SCHINER 1862: 467, and subsequent authors.

(303) *E. succincta* (prb. misid., identity unknown) ex *Saturnia carpini* (= *S. pavonia*).

(304) *E. apicalis* (prb. = *Winthemia* sp.) ex *S. carpini* (= *S. pavonia*). – MESNIL 1949: 74 has wrongly synonymized *apicalis* with *Nemosturmia* (= *Timavia*) *amoena* and wrongly transferred to that species the hosts listed by BEZZI 1907: 229, under *Winthemia apicalis* (including this one).

(305) *E. libatrix* (= *Zenillia libatrix*) ex *Brephos nothum*, DFM.

(306) *E. nemea* (= *Phryxe nemea*) ex *Thyatira batis*, DFM. – The determination of the fly is confirmed by BRAUER & BERGENSTAMM 1891: 329.

(307) p. 55: *Phorocera assimilis* (prb. misid. = prb. *Compsilura concinnata*) ex *Vanessa prorsa* (= *Araschnia levana*).

(308) *P. munda* (= *Compsilura concinnata*) ex *Pontia* (= *Pieris*) *brassicae*, KOLLAR.

(309) *P. pavida* (= *Pales pavida*) ex *Plusia gamma*.

SCHOLTZ 1848

Diptera parasitic on insects pp. 5–7: An abstract of literature data, no original host records.

(310) HERTING 1960: 135, has cited *Thelaira nigripes* ex *Arctia caja* with reference to SCHOLTZ, but the record was originally published by MEIGEN 1826, and the parasite was *Thelaira leucozona*, not *T. nigripes* (see no. 33).

APETZ 1849

(311) *Echinomyia grossa* (= *Tachina grossa*) larvae coming out of a killed female were placed on a *Bombyx* (= *Macrothylacia*) *rubi* caterpillar and bored into it. – BRAUER & BERGENSTAMM 1894: 577 have cited the host *Bombyx* (= *Lasiocampa*) *trifolii* (no. 84) with wrong reference to APETZ.

(312) – – assumed to be a parasite of *Euprepia* (= *Pericallia*) *matronula*. – Not confirmed by breeding.

LUCAS 1849

(313) p. XLIX: *Exorista glauca* (misid. = ?*Carcelia gnava or C. rasa*) ex *Orgyia* (= *Dasychira*) *pudibunda*, France.

MACQUART 1849

Reared in France by BELLIER DE LA CHAVIGNERIE, unless otherwise stated.

(314) p. 368: *Exorista gnava* (= *Carcelia gnava*) ex *Bombyx* (= *Malacosoma*) *neustria*.

(315) p. 379: *E. lucorum* (= *Carcelia lucorum*) [misid. = *Carcelia dubia* following MESNIL 1944: 48] ex *Chelonia* (= *Arctia*) *villica*. – Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 235.

(316) p. 381: *E. gibbicornis* n. sp. (identity unknown) ex *Gastropacha* (= *Philudoria*) *potatoria*, BREMI, Zürich (Switzerland). – Cited by BEZZI 1907: 251, as doubtful species in the genus *Exorista* (in the THOMPSON catalogue: *Zenillia*). Synonymized (prb. wrongly) with *Winthemia crassicornis* (= *W. rufiventris*) by MESNIL 1949: 88.

(317)* p. 387: *E. inclinata* n. sp. (= *Phryxe vulgaris*) ex *Vanessa* (= *Nymphalis*) *polychloros*, BREMI, Zürich (Switzerland). – Cited by BEZZI 1907: 251, as doubtful species in the genus *Exorista* (in the THOMPSON catalogue: *Zenillia*).

(318) p. 394: *E. libatrix* (= *Zenillia libatrix*) ex *Abrostola asclepiadis*.

(319) p. 397: *E. vulgaris* (= *Phryxe vulgaris*) ex *Plusia gamma*.

(320) p. 405: *E. acronyctarum* n. sp. (= *Nilea hortulana*) ex *Acronicta psi*. – Cited by BEZZI 1907: 248, as doubtful species in the genus *Exorista* (in the THOMPSON catalogue: *Zenillia*).

RATZEBURG 1849

(321) p. 133: *Tachina concinnata* (= *Compsilura concinnata*) ex *Orgyia* (= *Dasychira*) *pudibunda*, Saarbrücken (W Germany).

ZETTERSTEDT 1849

(322) p. 3213: *Siphona cristata* (= *Siphona* sp.) ex *Geometra* (= *Erannis*) ?*defoliaria*, BOIE, North Germany. (= no. 121).

(323) p. 3228: *Tachina tincta* (misid. = *Bessa parallela*) ex *Tinea* (= *Hyponomeuta*) *cognatella*, STAEGER, Denmark.

(324) p. 3252: *Gonia fasciata* (= *Gonia picea*) parasite of *Megilla* (= *Anthophora*) *retusa* (Hym. Apidae). – Misquotation of the text of WAHLBERG 1842 (no. 212).

BOHEMAN 1850 see BOHEMAN 1851

MACQUART 1850

(325) p. 458: *Masicera scutellata* (= *Blepharipa pratensis*, or misid.) ex *Sphinx* (= *Acherontia*) *atropos*, no locality.

(326) p. 476: *M. bremii* n. sp. (= prb. *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*, BREMI, Zürich. – Cited as doubtful species in *Masicera* by BEZZI 1907: 283.

(327) p. 477: *M. atropivora* (= *Drino atropivora*) ex *Sphinx* (= *Acherontia*) *atropos*, DEYROLLE, Italy.

ROBINEAU-DESVOIDY 1850

B.d.CH. = BELLIER DE LA CHAVIGNERIE. Localities in France, not specified.

*Specimens preserved in MNHN.

(328) p. 161: *Sturmia vanessae* (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*, B.d.CH.

(329)* p. 164: *Carcelia arion* (misid. = *Carcelia rasa*) ex *Orgyia antiqua* (B.d.Ch.), and (330) *Orgyia* (= *Dasychira*) *pudibunda* (Berce). – (331) to nos. 329–330: The description of these two specimens differs from the original description of *C. arion* Robineau-Desvoidy 1847: 275. They were therefore named *Carcelia amphion* n. sp. (= *C. rasa*) by Robineau-Desvoidy 1863(I), see nos. 446–447. The true *C. arion* is prb. *C. puberula*. Both *C. arion* and *C. amphion* were wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by Bezzi 1907: 235.

(332) *Carcelia gnava* (or misid.?) [this is probably the specimen described by Robineau-Desvoidy 1863(I): 237 as *C. orgyae*, the identification confirmed by Herting, see no. 443] ex *Bombyx* (= *Malacosoma*) *castrensis*, B.d.Ch.

(333) *C. puparum* (misid. = prb. *Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*, Berce. – Redetermined (but again misid.) as *Carcelia lucorum* by Robineau-Desvoidy 1863(I): 220. Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by Bezzi 1907: 236.

(334) p. 166: *Hubneria eruceti* n. sp. (identity unknown) ex chenille rouleuse du rosier (= tortricid sp. on *Rosa*). – Cited by Bezzi 1907: 250, without host record as doubtful species in the genus *Exorista*.

(335) p. 167: *H. cuculliae* n. sp. (identity unknown) ex *Cucullia lychnitis*, Guérin. – Cited by Bezzi 1907: 249, as doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia*).

(336) p. 168: *H. acronita* n. sp. (= *Nilea hortulana*) ex *Acronicta megacephala*, Berce. – Name emended to *acronyctae* and species designated as type of the new genus *Phorcida* by Robineau-Desvoidy 1863(I): 251. Cited by Bezzi 1907: 247, as doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia acronictae*). Confounded with *Tachina acronyctae* Bouché (= *Compsilura concinnata*, see no. 88) and host record wrongly listed under *Machaira serriventris* (= *C. concinnata*) by Brauer & Bergenstamm 1894: 553, 559.

(337) *Zenillia libatrix* ex *Bombyx* (= *Malacosoma*) *neustria*, B.d.Ch.

(338) p. 169: *Z. orgyae* n. sp. (= *Zenillia libatrix*) ex *Orgyia* (= *Dasychira*) *pudibunda*, Berce.

(339)* p. 170: *Tachina macroglossae* n. sp. (= *Exorista larvarum*) ex *Macroglossa stellatarum*, B.d.Ch. – Correctly synonymized with *T.* (= *E.*) *larvarum* by Robineau-Desvoidy 1863(I): 962.

(340) p. 171: *Erycia vanessae* n. sp. (= prb. *Masicera pavoniae* [Herting 1974a: 25 states – and HPT agrees – that this synonymy would be unlikely because of the untypical host]) ex *Vanessa* (= *Inachis*) io, Bagriot. – Placed in a separate genus *Beraldia* by Robineau-Desvoidy 1863(I): 906. Wrongly synonymized with *Erycia ferruginea* (sensu Bezzi, not Meigen = *E. fatua*) by Bezzi 1907: 297.

(341) p. 172: *Phryxe vanessae* n. sp. (= *Phryxe vulgaris*) ex *Vanessa* (= *Aglais*) *urticae*, Guérin.

(342) *Phryxe pieridis* n. sp. (= *P. vulgaris*) ex *Pieris rapae*, Guérin.

(343)* p. 174: *Phryxe flavipalpis* (= *Huebneria affinis*) ex *Chelonia civica* (= *Hyphoraia testudinaria*), B.d.Ch. – Placed in a separate genus *Celea* by Robineau-Desvoidy 1863(I): 273 (see no. 452). Cited by Bezzi 1907: 250, as doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia*).

(344) Sur les Phorocères. – The following seven "new species" have been synonymized with *Doria* (= *Compsilura*) *concinnata* by Robineau-Desvoidy 1863(I): 536, under the collective denomination "*Phorocera varia*" (p. 174 misprinted "p. 134"), and all host records (nos. 345–351) are included in the text of *D. concinnata* (p. 537). Bezzi 1907: 310 misunderstood the collective name and, under the synonyms of *C. concinnata*, cited "*Phorocera varia*" with reference to "Robineau-Desvoidy 1850: 134" (but the paper of 1850 does not contain this name). Moreover, he wrongly synonymized four of the seven species with *Phorocera assimilis* Fallén.

(345) p. 175: *Phorocera orthalidis* n. sp. (= *Compsilura concinnata*) ex "*Ortalis*" (= *Orthosia*) *stabilis*, B.d.Ch. – *Ortalis* is a genus of Diptera which does not contain a species named *stabilis*. The host is cited by Robineau-Desvoidy 1863(I): 537, correctly as *Orthosia stabilis*. The parasite is wrongly synonymized with *Phorocera assimilis* by Bezzi 1907: 316.

(346) p. 176: *P. orgyae* n. sp. (= *C. concinnata*) ex *Orgya* (= *Dasychira*) *pudibunda*, Berce. – Wrongly synonymized with *P. assimilis* by Bezzi 1907: 316.

(347) p. 177: *P. cuculliae* n. sp. (= *C. concinnata*) ex *Cucullia verbasci*, Berce. – Wrongly synonymized with *P. assimilis* by Bezzi 1907: 316.

(348) p. 178: *P. bercei* n. sp. (= *C. concinnata*) ex *Bombyx* (= *Thaumetopoea*) *processionea*, Berce. – Wrongly synonymized with *P. assimilis* by Bezzi 1907: 316.

(349) p. 179: *P. guerini* n. sp. (= *C. concinnata*) ex *Noctua rumicis* (= *Acronicta rumicis*), Guérin.

(350) p. 180: *P. pieridis* n. sp. (= *C. concinnata*) ex *Pieris brassicae*, Guérin.

(351) p. 181: *P. pusilla* n. sp. (= *C. concinnata*) ex *Pieris rapae*, Guérin.

Boheman 1851

(352) p. 154: *Tachina setipennis* (= *Triarthria setipennis*) ex *Forficula auricularia*. There is a preceding note (Boheman 1850: 214) on this rearing, but the parasite was then in the pupal stage and not yet identified. The puparium was formed in August, the fly emerged in May of the following year. Locality: Sweden.

Dufour 1851

(353)* p. 63: *Hyalomyia dispar* n. sp. (= *Rondania dispar*, in MNHN) ex adult *Brachyderes lusitanicus*, SW France. Further details see Dufour 1852 (no. 364). – Wrongly synonymized with *H.* (= *Phasia*, syn.: *Alophora*) *pusilla* by Rondani 1872c (no. 632) and Brauer & Bergenstamm 1894: 542. Wrongly placed in the genus *Tamiclea* (= *Strongygaster*) by Bezzi 1907: 568.

Lambert 1851, Robineau-Desvoidy 1851a

(354) *Rhinomyia lamberti* n. sp. (= *Perichaeta unicolor*) ex adult *Chrysomela* (= *Chrysolina*) *graminis*, 7–8 of ca. 300 hosts parasitized, Saumur (Maine-et-Loire, France). Lambert: rearing (parasite undetermined). Robineau-Desvoidy: description of *R. lamberti*. – Wrongly synonymized with *Rhinophora lepida* (Rhinophoridae) by Séguy 1950: 452.

(355) Robineau-Desvoidy, p. XXVII: Parasitic fly (= ?*Zaira cinerea*) trapped in the anus of an adult *Carabus splendens*, when leaving the dead host, only head visible, Pyrénées, Guérin-Méneville.

Robineau-Desvoidy 1851b

Rearings by Goureau. Locality: Yonne (France). *in MNHN.

(356) p. 148: *Carcelia puparum* (= prb. *Carcelia lucorum*) ex *Arctia* (= *Phragmatobia*) *fuliginosa*. – Redetermined as *C. lucorum* by Robineau-Desvoidy 1863(I): 221. Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by Bezzi 1907: 236.

(357) p. 149: *Carcelia apicalis* n. sp. (tibiae almost wholly black = prb. *Huebneria affinis*) ex *Arctia* (= *Phragmatobia*) *fuliginosa*. – Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by Bezzi 1907: 235.

(358)* *Thryptocera flavisquamis* n. sp. (= *Actia pilipennis*) ex tortricid on *Ulmus*.

(359) p. 151: *Gouraldia pupivora* n. sp. (= ?*Eumea linearicornis* ♀) ex *Tortrix laevigana* (= *Archips rosana*). – Cited by Bezzi 1907: 284, as doubtful species in the genus *Masicera*, with the following species as synonym.

(360) p. 152: *Gouraldia binotata* n. sp. (= the male of the preceding species) ex *Tortrix laevigana* (= *A. rosana*). – Cited by Goureau 1861: 199, as *Metopia bisignata* (n. comb. and misspelling, see no. 397).

(361) *Elophoria gouraldi* n. sp. (= prb. *Bessa parallela*) [listed as doubtful taxon under *Eumea* in Herting & Dely-Draskovits 1993: 226] ex *Tortrix laevigana* (= *Archips rosana*). – Cited by Goureau 1861: 199, as *Senometopia gouraldi*. Bezzi 1907: 319, has wrongly synonymized it with *Elophoria myoidea* Rob.-Desv. which he placed as doubtful species in the genus *Phorocera*. Cited with the same name (*P. myioidea*) under the host *Cacoecia rosana* by Baer 1921: 405 (reprint p. 185). In the Thompson catalogue, the species is confounded with *Masicera* (= *Lydella*) *myoidea* Rob.-Desv. sensu Coquillett 1897: 114 and wrongly synonymized with *Lydella grisescens*.

(362) p. 153: *Phorocera flavifrons* n. sp. (= *Compsilura concinnata*) ex *Pieris rapae*.

(363) *P. hadenae* n. sp. (= prb. *Compsilura concinnata*) ex *Hadena* (= *Mamestra*) *brassicae*. – Wrongly synonymized with *Phorocera assimilis* by Bezzi 1907: 316.

Dufour 1852

(364)* p. 443: *Hyalomyia dispar* (= *Rondania dispar*, in MNHN) ex *Brachyderes lusitanicus*, SW France. Further details on the parasite host relation. Pl. 8, III, figs. 1–3, larva (3rd or 2nd stage) and puparium. – See also no. 353.

Goureau 1852

(365) p. LXXX: *Erythrocera scutellata* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*. – The observed predacious Diptera larvae in the webs of the host do not belong to this tachinid, but to the sarcophagid *Agria mamillata* Pand.

Perris 1852

(366) p. 202: *Masicera atropicida* n. sp. (= *Drino atropivora*) ex *Sphinx* (= *Acherontia*) *atropos*, SW France.

Smith 1852

(367) p. 82: *Tachina nitidula* (misid. = *Billaea irrorata*) ex *Saperda populnea*, Hampstead (GB). A very high percentage of hosts was parasitized. – The few biological observations agree with *B. irrorata*.

Newport 1853

Rearings in Britain.

(368) p. 248: *Metopia forficulae* n. sp. (= prb. *Triarthria setipennis*) ex common earwig (= *Forficula auricularia*).

(369) *Exorista larvarum* (prb. misid. = prb. *Exorista grandis*) ex *Saturnia Pavonia minor* (= *S. pavonia*), 1–10 parasite pupae in one host cocoon.

Robineau-Desvoidy 1853

Rearings by Moret, Auxerre (Yonne, F).

(370) p. 533: *Carcelia bombycivora* (misid. = prb. *Carcelia gnava*) ex *Bombyx* (= *Malacosoma*) *neustria*. The description of *C. bombycivora* 1847, p. 280, is repeated here. – According to Robineau-Desvoidy 1863(I), p. 229, his use of the name in 1847 was wrong and concerned the new species *C. laevigata*, but this rearing is not mentioned. Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by Bezzi 1907.

(371) p. 534: *Hubneria flavescens* (= prb. *Nemorilla* sp.) [= nomen dubium in Herting & Dely-Draskovits 1993: 445; *Nemorilla* would be a guess] ex nymphe d'une pyrale qui roule les feuilles du rosier. – Cited by Bezzi 1907: 250, as doubtful species in the genus *Exorista*. The host is cited by him as "*Pyralis* sp.", but the name "pyrale" is used in French not only for Pyralidae, but also for Tortricidae.

(372)* p. 535: *Tachina moreti* n. sp. (= *Exorista larvarum*, in MNHN) ex *Bombyx* (= *Lymantria*) *dispar*. – An aberrant specimen with distinctly hairy eyes. This character has mislead Mesnil 1960: 600, to introduce the name *Exorista fasciata* var. *moreti* for the species *E. segregata* Rondani.

Bachmann 1855

(373) p. 12: *Echinomyia grossa* (= *Tachina grossa*) ex *Gastropacha* (= *Macrothylacia*) *rubi*, Insterburg (East Prussia, now Chernyakhovsk, Russia).

Goureau 1855

(374) p. XXXV: *Eurygaster pomariorum* n. sp., nomen nudum (= *Eurysthaea scutellaris*) ex *Hyponomeuta* spp. – A preliminary note. See the description by Goureau 1861 (no. 398).

Reissig 1855

Function of the ptilinum during the emergence of the adult fly from the puparium.

(375) p. 190: *Tachina gilva* (= *Drino gilva*) ex *Lophyrus* (= *Diprion*) *pini*.

(376) *T. pilipennis* (misid. = *Actia nudibasis*) ex *Tortrix resinana* (= *Petrova resinella*).

(377) *T. flaviceps* (*Ceromyia flaviceps*, prb. misid.) ex Eulenpuppen (= noctuid pupae).

(378) *T. fera* (prb. misid. = prb. *Tachina magnicornis*) ex *Noctua piniperda* (= *Panolis flammea*).

(379) *T. bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*.

Reissig was a forester in Darmstadt (Hessen, Germany).

Wulp & Vollenhoven 1856

Localities in the Netherlands. *Specimens in ZMAN.

(380) p. 93: *Nemoraea glabrata* (misid. = *Ernestia rudis*) ex *Trachea piniperda* (= *Panolis flammea*), Verloren (see no. 260) and Vollenhoven. – Redetermined as *Nemoraea strenua* (= *Ernestia rudis*) by Wulp 1869: 141.

(381)* *Senometopia lucorum* (misid. = *Carcelia gnava*, 1 ♀, pers. comm. by T. Zeegers) ex *Bombyx* (= *Malacosoma*) *neustria* or *B.* (= *Lymantria*) *monacha*, Graaf. – *Carcelia gnava* is a common parasite of *M. neustria*, which is therefore the probable host.

(382) *Eurigaster vulgaris* (prb. misid. = ?*Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*, Wulp. – It is likely that this specimen has been redetermined and recorded by Wulp & Meijere 1898: 81, as *Exorista lucorum* (misid., see no. 1421). The host record is cited by Baer 1921: 117 (reprint p. 151) under *Phryxe vulgaris*.

(383) p. 94: *Masicera bimaculata* (= *Drino inconspicua*) ex *Noctua piniperda* (= *Panolis flammea*) or *Lophyrus* (= *Diprion*) *pini*, Vollenhoven.

(384) *Tachina tibialis* (= *Pelatachina tibialis*) ex *Vanessa* (= *Aglais*) *urticae*, Empe, Van Eyndhoven.

(385)* *T. trepida* (misid. = *Athrycia impressa*, det. T. Zeegers and confirmed by me) ex pupa of *Anarta myrtilli*, Empe, Eyndh.

Barthélémy 1857

(386) p. 111: *Senometopia atropivora* (= *Drino atropivora*, or misid. = *Drino galii*) parasite of *Sphinx* (= *Celerio*) *euphorbiae*, Dep. Aude, S France. – A misidentification of *Masicera* or *Winthemia* is excluded, because the observed attack of the fly (riding on the host and rapidly distributing larvae on it) is different.

GOUREAU 1857

(387) p. XXIX: *Degeeria flavicans* n. sp., nomen nudum (= prb. *Bessa selecta*) ex *Nematus ribis* (= *N. ribesii*). – A preliminary note. See the description by GOUREAU 1861 (no. 394).

RONDANI 1859

Rearings in Italy. *in MZUF.

(388)* p. 67: *Micropalpus lithosiophagus* n. sp. (= *Linnaemyia lithosiophaga*) ex *Lithosia* (= *Eilema*) *caniola*, PASSERINI (no. 215) and RONDANI.

(389)* p. 138: *Exorista cheloniae* n. sp. (= *Carcelia lucorum*) ex *Chelonia* (= *Arctia*) *caja*.

(390) p. 164: *Phorocera polleniella* n. sp. (= *Clemelis pullata*) ex undetermined geometrid.

ZETTERSTEDT 1859

(391) p. 6077: *Tachina trepida* (= *Athrycia* sp.) ex *Lophyrus* (= *Diprion*) *pini*, Sweden. – Very unlikely. A parasitization of *Diprion* by this or a related genus has never been confirmed.

BIGOT 1860

(392)* p. 783: *Exorista lateralis* n. sp. (= 1 ♀ *Carcelia lucorum*, in OXUM) ex *Emydia coscinia* (= *Coscinia cribraria*), BELLIER DE LA CHAVIGNERIE, Sicily.

CASTELLANI 1860

(393) pp. 139–148: Fly (= prb. *Exorista sorbillans*) common parasite of the domestic silkworm (= *Bombyx mori*) in China. White eggs glued on the skin of the host, primary respiratory opening surrounded by a black spot. – GUÉRIN-MÉNEVILLE 1870: 180, has proposed the name *Tachina castellanii* (nomen nudum) for this fly. Wrongly synonymized with *Sturmia* (= *Blepharipa*) *sericariae* by BEZZI 1907: 225.

GOUREAU 1861

(394) p. 156: *Degeeria flavicans* n. sp. (= prb. *Bessa selecta*), parasite of *Nematus ribis* (= *N. ribesii*). – See no. 387.

(395) p. 173: *Sturmia atropivora* (= *Drino atropivora*, or misid. = *Masicera pavoniae*) [oviposition on the host, so – if correctly observed by GOUREAU – not *M. pavoniae*] ex *Saturnia pyri*, 17 parasites ex 1 host larva.

(396) p. 189: *Masicera flavicans* n. sp. (= *Cyzenis albicans*) ex *Cheimatobia* (= *Operophthera*) *brumata*. – The description and the biological data (puparium inside the host pupa, fly emerges in april) leave no doubt about the identity.

(397) p. 199: *Metopia bisignata* (new combination and misspelling of *Gouraldia binotata* Rob.-Desv. = ?*Eumea linearicornis*) ex *Tortrix laevigana* (= *Archips rosana*). – See ROBINEAU-DESVOIDY 1851b (no. 360). The name *Metopia bisignata* is also quoted by RONDANI 1873: 23. LEONARDI 1925: 30, and 1928: 147 confounded *Metopia bisignata* with *Meigenia bisignata* and wrongly listed the latter species (= *Meigenia mutabilis*) as parasite of *Cacoecia* (= *Archips*) *rosana*.

(398) p. 218: *Eurigaster pomariorum* n. sp. (= *Eurysthaea scutellaris*), parasite of *Hyponomeuta malinella*. – See no. 374. GOUREAU has wrongly associated the reared adults of this tachinid with the predacious larvae of the sarcophagid *Agria mamillata* in the webs of the host. *E. pomariorum* is wrongly synonymized with *Prosopodes fugax* (= *Bessa parallela*) by BEZZI 1907: 299, see no. 1398.

(399) p. 284: *Tachina hadenae* n. sp. (= prb. *Exorista larvarum*) ex *Hadena* (= *Mamestra*) *brassicae*.

(400) p. 289: *Tachina micans* n. sp. (= *Voria ruralis*) ex *Plusia gamma*. The parallel arrangement of the puparia partially covered by the broken host skin is described. – Wrongly cited by LEONARDI 1928: 153, as *Tachina micans* Macquart, which is a senior homonym and a different species (identity unknown).

KALTENBACH 1861

(401) p. 234: *Dilita nigra* Förster (nomen nudum = prb. *Phytomyptera nigrina*) ex *Pterophorus microdactylus* (= *Adaina microdactyla*) in stems of *Eupatorium*, several specimens. – A description of the tachinid has not been published, and FÖRSTER 1869: 340 has used the same generic name in correct spelling for a new genus and species (*Dilyta subclavata*) in Cynipidae, Alloxystinae. He states in a footnote, that the name *Dilyta means* "twice open" and refers to the wing venation (radial cell open on two sides). The tachinid genus *Phytomyptera* is likewise characterized by two open cells (absence of two cross-veins) in the wing. See also KALTENBACH 1874: 320.

KIRCHNER 1861

(402) p. 104: *Tachina erythrostoma* (= *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, Kaplitz (= Kaplice, Bohemia).

LABOULBÈNE 1861

(403)* p. 232: *Tachina villica* (= *Exorista larvarum*) ex *Hadena* (= *Mamestra*) *brassicae*, France. Figs. 1–8: 3rd instar larva. Figs. 9–12: puparium. Figs. 13–18: adult. p. 247: specimens deposited in the collection BIGOT (in OXUM, including two small individuals determined by BIGOT as *Tachina flaviceps* Macquart). – BRAUER & BERGENSTAMM 1894: 552, 583, have cited the host wrongly as *Arctia villica* and the parasite wrongly as *Eutachina villicae* Laboulbène. *T. villica* was described by ROBINEAU-DESVOIDY 1830: 188 (no host).

LANDOIS 1861

(404) p. 211: Tachinid eggs (= prb. *Winthemia cruentata*) found on larvae of Ligusterschwärmer (= *Sphinx ligustri*), 20–30, even ca.100 on the individual host.

(405) – – (= prb. *Exorista larvarum*) on larvae of Ringelspinner (= *Malacosoma neustria*), 5–10 eggs on the individual host.

Locality: Münster, Westfalen (D).

RONDANI 1861

Rearings in Italy. *in MZUF.

(406) p. 15: *Blepharipa atropivora* (= *Drino atropivora*) ex *Sphinx* (= *Acherontia*) *atropos*.

(407) p. 21: *Masicera silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*.

(408)* p. 33: *Roeselia yponomeutae* n. sp. (= *Eurysthaea scutellaris*) ex *Hyponomeuta cognatella*.

(409) p. 159: *Macherea serriventris* n. sp. (= *Compsilura concinnata*) ex *Vanessa* (= *Inachis*) *io*.

(410) p. 162: *Masicera gyrovaga* (prb. misid. = prb. *Drino inconspicua*) ex *Tenthredo* (= *Diprion*) *pini*, PASSERINI. – *M. gyrovaga* is *Drino vicina*, parasite of Sphingidae.

GOUREAU 1862

(411) *Siphona geniculata* (misid. = prb. *Siphona cristata*) ex *Hadena* (= *Mamestra*) *brassicae*. 2 specimens developed in one host larva together with parasitic Hymenoptera: 16 *Eulophus ramicornis* and 1 ichneumonid. The adult tachinid emerged from the hibernated puparia on 12th June. – Cited also by GOUREAU 1863: 120.

SCHINER 1862

The majority of the hosts cited in this book are quoted from the literature, and the reference is given in some, but not in all cases. The following records, except the nos. 415–417, are original.

(412)* p. 422: *Gymnopeza denudata* (misid. = *Eugymnopeza braueri*, in NHMW) ex *Carabus scheidleri*, TACCHETTI, no locality – On label: Ex *Carabus*, 5 May 55. TACCHETTI's domicile in 1855 was Breno in the Italian Alps N of Brescia. but he could have collected the host also in the Vienna area.

(413) p. 443: *Gonia flaviceps* (= *Onychogonia flaviceps*) ex *Noctua* (= *Mamestra*) *glauca*, SCHNEIDER, Silesia.

(414) p. 452: *Nemoraea xanthogastra* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*, EGGER.

(415) p. 462: *Exorista lucorum* ex *Chelonia* (= *Arctia*) *villica*, *Endromis versicolora*, *Arctia hebe*, *A.* (= *Phragmatobia*) *fuliginosa*, *A. caja*, *Liparis* (= *Leucoma*) *salicis*, and *L.* (= *Lymantria*) *dispar*. – The first five hosts are quoted from ROSSI 1848, nos. 296–300 (without reference), the last two from HARTIG 1838b, nos. 180–181 (the reference to RATZEBURG in *L. dispar* is wrong). MESNIL 1944: 42 has synonymized *E. lucorum* sensu Schiner (not Meigen) with *Carcelia excavata* (= *Carcelia gnava*). This is correct only for the record from *Leucoma salicis* (see no. 182), but wrong in all other cases. MESNIL inadvertently missed out *Arctia villica*.

(416) p. 474: *Tachina rustica* (= *Exorista rustica*) ex L. (= *Leucoma*) *salicis*, *B.* (= *Lasiocampa*) *quercus*, *B.* (= *Malacosoma*) *neustria* and *Vanessa* (= *Nymphalis*) *polychloros*. No reference. – Misquotation from RATZEBURG 1844: 171, who lists the four hosts in the same sequence under *Tachina larvarum* (= *Exorista larvarum*), with reference to HARTIG 1838b (nos. 149–151, 154). There is no host at all mentioned by SCHINER under *T. larvarum*. BRAUER & BERGENSTAMM 1894, have cited these four hosts correctly under *Eutachina larvarum* (pp. 552–553) and not under *Chaetotachina rustica* (p. 548), but in the lists of BEZZI 1907, BAER 1921, and subsequent authors, they are found under both parasite species. *Exorista rustica* is a parasite of Tenthredinidae, not of Lepidoptera.

(417) p. 481, footnote: *Tachina pinivorae* (= *Blondelia nigripes*) ex *Liparis* (= *Lymantria*) *dispar*. – Misquotation from RATZEBURG 1844: 174, who reared this parasite species from *Thaumetopoea pinivora* (no. 238). The error has been rectified by BAER 1921: 157 (reprint p. 123).

(418) p. 483: *Masicera pratensis* (misid.? = *Masicera* sp.) ex *Gastropacha* (= *Philudoria*) *potatoria*.

(419) – – (prb. misid. = prb. *Masicera sphingivora*) ex *Smerinthus populi*.

(420) – – (= *Masicera pavoniae*) ex *Saturnia pyri*.

(421) *M. silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia spini*.

(422) – – (– = –) ex *Saturnia pyri*.

(423) p. 519: *Thryptocera bicolor* (= *Ceromyia bicolor*) ex *Bombyx* (= *Lasiocampa*) *quercus*, in coll. SCHINER.

(424) p. 539: *Scopolia* sp. (= prb. *Periscepsia carbonaria*) ex *Agrotis* sp. (s. lat.).

ASSMUSS 1863

(425) p. 403: *Phorocera caesifrons* (misid., identity unknown) ex *Lyda populi* (misid., identity unknown), numerous specimens, Smolensk (Russia). No further data.

GOUREAU 1863

(426) p. 85: *Doria stupida* (? = *Compsilura concinnata* or *Myxexoristops blondeli*) ex *Lyda pyri* (= *Neurotoma saltuum*). – *D. stupida* Meigen is prb. *C. concinnata*, but *M. blondeli* is the special parasite of this sawfly.

GUÉRIN-MÉNEVILLE 1863

(427) p. 55: *Phorocera pumicata* (prb. misid. = prb. *Pales pavida*) ["grosse mouche" would fit better with *P. processioneae*] ex *Bombyx* (= *Samia*) *cynthia*, Calvados, 15 %, DEBAIZE. Also at Vincennes (Paris), GUÉRIN, and in the Touraine, LAMOTE. – Quoted without details by GIRARD 1864: 156.

MCLACHLAN 1863

(428) p. 106: *Hydrotachina limnephili* (nomen nudum, identity unknown) from a larva-case of *Limnephilus marmoratus* (Trichoptera), Exeter (GB), PARFITT. The fly had emerged through the water. – A parasitism of a tachinid on a species of Trichoptera has never been confirmed, and it is quite possible that the fly came from a puparium that was hidden in a plant piece or snail shell forming part of the case.

ROBINEAU-DESVOIDY 1863

B.d.CH. = leg. BELLIER DE LA CHAVIGNERIE. *Specimens in MNHN. [The given page numbers are those of volume I, the last six ones those of vol. II.] [Localities in France.]

(429) p. 136: *Bonellia tessellans* (= *Linnaemyia tessellans*, or misid. = *L. picta*) ex *Noctua* (= *Amathes*) *c-nigrum*, B.d.CH. – Wrongly synonymized with *Micropalpus* (= *Linnaemyia*) *haemorrhoidalis* by BEZZI 1907: 207.

(430) p. 154: *Erigone sedula* n. sp. (= prb. *Eurithia consobrina*) ex *Noctua* (= *Mamestra*) *brassicae*, B.d.CH. – Wrongly synonymized with *Ernestia radicum* (= *Eurithia anthophila*) by BEZZI 1907: 215 (host not cited).

(431) p. 175: *Nemoraea pellucida* ex *Noctua lubricipeda* (= *Spilosoma lutea*), and (432) *Amphidasis* (= *Biston*) *betularia* (both B.d.CH.).

(433) *Nemoraea fulva* n. sp. (= *N. pellucida*) ex *Noctua* (= *Euplexia*) *lucipara*, B.d.CH.

(434) p. 211: *Winthemia quadripustulata* ex *Plusia illustris* (= *P. variabilis*), B.d.CH.

(435) p. 221: *Carcelia lucorum* (prb. misid. = prb. *Carcelia gnava* or *C. rasa*) ex *Orgyia* (= *Dasychira*) *pudibunda*, BERCE and ROBINEAU-DESVOIDY. – Wrongly synonymized with *C.* (= *Senometopia*) *excisa* by BEZZI 1907: 235.

(436) p. 223: *Carcelia claripennis* n. sp. (= prb. *Carcelia dubia* or *C. lucorum*) ex *Callimorpha dominula*, B.d.CH. and MORET.

(437) – – var. with more yellowish pruinosity (= prb. *Carcelia bombylans*) ex *Arctia* (= *Phragmatobia*) *fuliginosa*, B.d.CH.

(438) to nos. 436–437: BEZZI 1907: 235, has wrongly synonymized *C. claripennis* with *C.* (= *Senometopia*) *excisa* and wrongly referred the two hosts *Callimorpha dominula* and *Phragmatobia fuliginosa* to that species.

(439)* p. 224: *Carcelia cantans* n. sp. (= *Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*, B.d.CH. – Wrongly synonymized with *C.* (= *Senometopia*) *excisa* by BEZZI 1907: 235.

(440) p. 231: *Carcelia callimorphae* n. sp. (= prb. *Carcelia dubia* or *C. lucorum*) ex *Callimorpha dominula*, B.d.CH. and MORET. – Wrongly synonymized with *C.* (= *Senometopia*) *excisa* by BEZZI 1907: 235.

(441) p. 232: *Carcelia susurrans* n. sp. (= prb. *Carcelia rasa*) ex *Orgyia* (= *Dasychira*) *pudibunda*, B.d.CH. – The larger body size of this species corresponds better to *C. rasa* than to *C. gnava*. Confounded with *Parexorista* (= *Senometopia*) *susurrans* Rondani by BRAUER & BERGENSTAMM 1894: 568, 590, and PORCHINSKI 1901: 23. Wrongly synonymized with *C.* (= *Senometopia*) *excisa* by BEZZI 1907: 236.

(442) *Carcelia scutellaris* (= prb. *Senometopia excisa* or *S. pilosa*) ex *Noctua urticae* (= *Abrostola tripartita*), B.d.CH. – Synonymized with *C.* (= *Senometopia*) *excisa* by BEZZI 1907: 236.

(443)* p. 237: *Carcelia orgyae* n. sp. (= *Carcelia gnava*) ex *Bombyx* (= *Malacosoma*) *castrensis*, B.d.CH.

(444) – – ex *Orgyia* (= *Dasychira*) *pudibunda*, B.d.CH.

(445) to nos. 443–444: BEZZI 1907: 236, has wrongly synonymized *C. orgyae* with *C.* (= *Senometopia*) *excisa* and wrongly referred the two hosts *M. castrensis* and *D. pudibunda* to that species.

(446)* p. 238: *Carcelia amphion* n. sp. (= *Carcelia rasa*) ex *Orgyia antiqua*, B.d.CH.

(447) – – ex *O.* (= *Dasychira*) *pudibunda*, B.d.Ch. [Robineau-Desvoidy 1850, p. 164 (nos. 329, 330) cites Berce as breeder for the same records, and months and gender of the specimens nos. 446, 447 are inverted.]

(448) to nos. 446–447: The reared specimens described as *C. amphion* were previously misidentified as *Carcelia arion* by Robineau-Desvoidy 1850: 164 (see nos. 329–330). Both *C. arion* and *C. amphion* have been wrongly synonymized with *C.* (= *Senometopia*) *excisa* by Bezzi 1907: 235, and the two hosts *O. antiqua* and *D. pudibunda* have been wrongly referred to that species.

(449) p. 239: *Carcelia bombylans* (prb. misid. = prb. *Carcelia gnava*) ex *Bombyx* (= *Malacosoma*) *neustria*, B.d.Ch.

(450) p. 254: *Phorcida campephaga* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 441] (= prb. *Nilea hortulana*) ex *Noctua* (= *Acronicta*) *tridens*, B.d.Ch. – Correctly synonymized by Bezzi 1907: 247, with *Phorcida acronyctae* Rob.-Desv. (= *Hubneria acronita* Robineau-Desvoidy 1850: 167, see no. 336), but the latter is cited by him as doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia*).

(451) p. 256: *Scotia saturniae* n. sp. (= prb. *Exorista grandis*) ex *Saturnia carpini* (= *S. pavonia*), Guérin.

(452)* p. 274: *Celea flavipalpis* (= *Huebneria affinis*) ex *Chelonia civica* (= *Hyphoraia testudinaria*), B.d.Ch. – Recorded as *Phryxe flavipalpis* by Robineau-Desvoidy 1850: 174, see no. 343. Cited by Bezzi 1907: 250, as doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia*).

(453) p. 280: *Huebneria affinis* ex *Saturnia pyri*, Zetterstedt. – Misquotation. The host recorded in Sweden was *Saturnia carpini* (= *S. pavonia*), see no. 254.

(454) p. 286: *Elbaea montana* n. sp. (identity unknown) ex *Plusia illustris* (= *P. variabilis*), B.d.Ch. – Cited by Bezzi 1907: 252, as doubtful species in the genus *Exorista*.

(455) p. 309: *Tlephusa noctuarum* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 451] (= prb. *Phryxe nemea*) [Herting's guess that it may be *Phryxe nemea* is probably based on the fact that *P. nemea* is the tachinid which is most often reared from *M. persicariae*, but it remains a guess] ex *Hadena* (= *Mamestra*) *persicariae*, B.d.Ch. – Cited by Bezzi 1907: 248, as synonym of *Tlephusa aurifrons* Rob.-Desv., doubtful species in the genus *Exorista* (in the Thompson catalogue: *Zenillia*). Wrongly synonymized with *Tlephusa diligens* (= *Tlephusa cincinna*) by Mesnil 1954: 328.

(456) p. 319: *Hemithaea erythrostoma* (= *Phryxe erythrostoma*) ex *Lasiocampa* (= *Dendrolimus*) *pini*, Hartig. – Wrong quotation, misreading of Hartig 1838b: 295 (no. 192), who states that the species was not bred from *D. pini*.

(457) p. 364: *Phryxe binotata* n. sp. (= prb. *Phryxe nemea*) ex *Triphaena* (= *Noctua*) *janthina*, B.d.Ch. – Bezzi 1907: 270, has synonymized the parasite (prb. wrongly) with *P. vulgaris* and cited (p. 269) the host wrongly as *Zygaena achilleae* ab. *janthina*.

(458) p. 365: *Phryxe aurocincta* n. sp. (= prb. *P. nemea*) ex *Hadena* (= *Mamestra*) *persicariae*, B.d.Ch. and Robineau-Desvoidy. – Wrongly synonymized with *P. vulgaris* by Bezzi 1907: 270.

(459) p. 366: *Phryxe pupivora* n. sp. (= prb. *P. nemea*) ex *Triphaena* (= *Noctua*) *janthina*, B.d.Ch. – Bezzi 1907: 274, has synonymized the parasite (prb. wrongly) with *P. vulgaris* and cited (p. 269) the host wrongly as *Zygaena achilleae* ab. *janthina*.

(460) p. 375: *Phryxe tenebricosa* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 457] (= prb. *Phryxe vulgaris*) ex *Cucullia asteris*, B.d.Ch.

(461) p. 380: *Phryxe noctuarum* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 451] (= prb. *P. vulgaris*) ex *Leucania lithargyria* (= *L. ferrago*), B.d.Ch.

(462) p. 381: *Phryxe puella* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 454] (= prb. *P. vulgaris*) ex *Vanessa* (= *Araschnia*) *levana*, B.d.Ch.

(463) *Phryxe educata* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 443] (= prb. *P. vulgaris*) ex *Ophiusa* (= *Lygephila*) *pastinum*, B.d.Ch.

(464)* p. 382: *Phryxe sororella* n. sp. (= *P. vulgaris*) ex *Aplecta advena* (= *Polia bombycina*), B.d.Ch.

(465) *Phryxe secutrix* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 456] (= prb. *P. vulgaris*) ex *Phlogophora* (= *Euplexia*) *lucipara*, B.d.Ch.

(466) p. 383: *Phryxe bellierella* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 440] (= prb. *P. vulgaris*) ex *Leucania albipuncta*, B.d.Ch.

(467) p. 384: *Phryxe berceella* n. sp. (= *Phryxe caudata*) ex *Bombyx* (= *Thaumetopoea*) *pityocampa*, Berce. – *P. caudata* is the specific parasite of *Th. pityocampa*. Wrongly synonymized with *P. vulgaris* by Bezzi 1907: 270.

(468) p. 390: *Phryxe miniata* n. sp. (= prb. *P. vulgaris*) ex *Aplecta advena* (= *Polia bombycina*), B.d.Ch.

(469) p. 410: *Phryxe vanessae* (= *P. vulgaris*) ex *Vanessa* (= *Inachis*) io (Guérin), and (470)* *V. prorsa* (= *Araschnia levana*) (Berce).

(471) p. 412: *Phryxe erucastri* n. sp. (= prb. *Phryxe caudata*), fly found on a nest of "*Bombyx processionea* L. du Pin" (= *Thaumetopoea pityocampa*) on the dunes of Hyères (Côte d'Azur). – The description of the fly by Robineau-Desvoidy is insufficient, and the only indication of its identity is the probable host species *Th. pityocampa*. Rondani 1872a, c: 163, 334, placed the species in the genus *Tachina* and wrongly interpreted the host as *Lasiocampa* (= *Dendrolimus*) *pini*. André 1879: 68, quoted Rondani, but misunderstood the host name as *Lophyrus* (= *Diprion*) *pini*. Brauer & Bergenstamm 1894: 570 (*Phryxe erucastri*) cited the host wrongly as *Cnethocampa* (= *Thaumetopoea*) *processionea* and inadvertently listed on p. 576 under the name *Tachina erucastri* also the misquotations by Rondani (ex *Lasiocampa pini*) and André (ex *Lophyrus pini*). Bezzi 1907: 271, has wrongly synonymized *Phryxe erucastri* with *P. vulgaris* and wrongly cited *Th. processionea* and *Dendrolimus pini* as host of the latter species.

(472) p. 472: *Zenillia aurea* n. sp. (= *Zenillia libatrix*) ex *Bombyx* (= *Thaumetopoea*) *processionea* (Berce), (473) *Bombyx* (= *Malacosoma*) *neustria* (Berce), and (474) *Orgyia* (= *Dasychira*) *pudibunda* (Berce and Moret).

(475) p. 492: *Phorinia aurifrons* ex *Noctua* (= *Diarsia*) *brunnea*, B.d.Ch.

(476) p. 516: *Phorocera vernalis* (= *Phorocera obscura*, or misid.) ex *Vanessa* (= *Araschnia*) *levana*, B.d.Ch.

(477) p. 520: *Pales bellierella* n. sp. (= prb. *Pales processioneae*) ex *Bombyx* (= *Thaumetopoea*) *processionea*. – Wrongly synonymized with *P. pavida* by Bezzi 1907: 312.

(478) p. 521: *Pales strenua* (= *Pales pavida*) ex *Noctua* (= *Amathes*) *rhomboidea* (syn. *stigmatica*), B.d.Ch.

(479) p. 529: *Pales caerulescens* n. sp. (= *P. pavida*) ex *Segetia* (= *Amathes*) *xanthographa*, B.d.Ch.

(480) p. 537: *Doria concinnata* (= *Compsilura concinnata*). Eleven species described by Robineau-Desvoidy 1830 and 1850 in the genus *Phorocera* are synonymized by him with *D.* (= *C.*) *concinnata* on p. 536 (those of 1850 under the collective name "*Phorocera varia*" see nos. 344–351), and their hosts are included in the list on p. 537.

New host records of *Doria* (= *Compsilura*) *concinnata*: (481) *Smerinthus populi* (Robineau-Desvoidy), (482) *Bombyx* (= *Thaumetopoea*) *processionea* (Robineau-Desvoidy) [= prb. no. 50],

(483) *Arctia* (= *Spilosoma*) *menthastri* (Guérin), (484) *Hadena* (= *Trachea*) *atriplicis* (B.d.Ch.), (485) *Catocala promissa* (B.d.Ch.), (486) *Vanessa* (= *Araschnia*) *levana* (B.d.Ch.), (487) *V.* (= *Nymphalis*) *antiopa* (B.d.Ch.), (488) "*Orthosia*" (= *Lithosia*) *quadra* (B.d.Ch.), (489) *Luperina* [misspelled *Superina*] *pinastri* (= *Dipterygia scabriuscula*) (B.d.Ch.), and (490) *Vanessa atalanta*, (Robineau-Desvoidy).

(491) p. 556: *Salia echinura* (= *Chaetogena obliquata*) ex *Saturnia pyri*, B.d.Ch. – This record is questionable because the larval period of the host hardly coincides with the flight period of *C. obliquata*.

(492)* p. 567: *Goedartia* [original spelling = *Gaedartia*, cf. Herting 1974a: 16] *praecox* n. sp. (= *Campylochaeta praecox*) ex *Thyatira batis*, B.d.Ch. – Synonymized with *G. tibialis* R.D. by Bezzi 1907: 320, and cited under that name as a doubtful species in the genus *Phorocera*.

(493)* p. 722: *Peribaea minuta* n. sp. (= *Peribaea tibialis*) ex *Ophiusa* (= *Lygephila*) *pastinum*, B.d.Ch. – Wrongly synonymized with *Actia* (= *Peribaea*) *apicalis* by Bezzi 1907: 386. The name *P. minuta* has been introduced by Andersen 1996: 70 as valid name for *P. apicalis* sensu Herting, but the bred specimen is the holotype (revised by me in MNHN) and is clearly a female of *P. tibialis*.

(494) p. 757: *Baumhaueria cuculliae* n. sp. (identity unknown) ex *Cucullia scrophulariae*, B.d.Ch. – This and the following species have been synonymized with *Baumhaueria goniaeformis* by Bezzi 1907: 358, but the larval period of the host does not coincide with the flight period (April–May) of *B. goniaeformis*.

(495) p. 758: *B. saturniae* n. sp. (identity unknown) ex *Saturnia pyri*, B.d.Ch. – See the preceding note.

(496) p. 779: *Thelaira leucozona* (= *Thelaira* sp.) ex *Cucullia scrophulariae*, Berce.

(497) p. 781: *Th. nigripes* (= *Thelaira* sp.) ex *C. scrophulariae*, Berce.

(498) p. 791: *Ramonda cuculliae* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 442] (= ?*Ramonda plorans*) [no reasons given for this assumption] ex *Cucullia caninae* (= *C. blattariae*) [*C. caninae* is a valid species], B.d.Ch., Dep. Lozère. – Bezzi 1907: 375, has (?wrongly) synonymized the parasite with *Wagneria fasciata* Robineau-Desvoidy (= *Ramonda spathulata*).

(499) p. 794: *Wagneria luperinae* n. sp. [= nomen dubium in Herting & Dely-Draskovits 1993: 449] (= ?*Wagneria gagatea*) [no reasons given for this assumption; *W. gagatea* has a single generation in spring, so "éclose en Juin" would be unlikely for this species] ex *Luperina "aurea"* (prb. *rurea* = *Apamea crenata*) [*Ramonda spathulata* is known to be reared from this host species], B.d.Ch. – Bezzi 1907: 374, has wrongly synonymized the parasite with *Wagneria costata*, and wrongly cited the host as *Plusia deaurata*.

(500)* p. 810: *Ateria nitida* n. sp. (= *Ramonda prunaria*) ex *Noctua* (= *Caradrina*) *alsines* (B.d.Ch.), and (501)* *Xanthia ferruginea* (= *Agrochola circellaris*) (Berce). – (502) to nos. 500–501: *A. nitida* Rob.-Desv. has been wrongly synonymized with *Wagneria* (= *Periscepsia*) *carbonaria* Panzer by Audcent 1942: 10, and Emden 1954: 39, and the two hosts are thus referred to the wrong parasite species.

(503) p. 829: *Voria ruralis* abundant on *Urtica* and assumed to be parasite of *Vanessa atalanta*. Not reared. – Wrongly cited by Brauer & Bergenstamm 1894: 570, and Bezzi 1907: 370, as valid host record.

(504) p. 831: *Athrycia erythrocera* (= *Athrycia curvinervis* or *A. impressa*) [prb. misid.; the true *A. erythrocera* is listed as synonym of *A. trepida* in Herting 1984: 153 (the reasons for it are given in Herting 1974a: 23)] ex *Cucullia lucifuga* Esp. (= *C. umbratica*), B.d.Ch. – The flight period of *Athrycia trepida* does not coincide with the seasonal occurrence of the host larvae. The host is wrongly cited as *Cucullia lucifuga* Hübner by Bezzi 1907: 371 (under *Paraplagia ruficornis*).

(505) p. 879: *Masicera cuculliae* n. sp. (= *Masicera sphingivora*) ex *Cucullia verbasci*, Robineau-Desvoidy. – Wrongly synonymized with *M. silvatica* by Bezzi 1907: 282.

(506) p. 881: *Masicera pavoniae* ex *Saturnia pyri*, B.d.Ch. and Moret.

(507) p. 882: *M. puparum* n. sp. (= prb. *Masicera sphingivora*) ex *Deilephila* (= *Celerio*) *euphorbiae*, Berce and Robineau-Desvoidy. – Wrongly synonymized with *M. silvatica* by Bezzi 1907: 282.

(508) p. 889: *Sturmia vanessae* (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io* (B.d.Ch. [see no. 328] and Berce), (509) *Bombyx* (= *Trichiura*) *crataegi* (B.d.Ch.), (510) *Argynnis* sp. (Berce), (511) *Vanessa atalanta* (B.d.Ch. and Robineau-Desvoidy), and (512) *V. prorsa* (= *Araschnia levana*) (Robineau-Desvoidy).

(513) p. 890: *Sturmia scutellata* (= *Blepharipa pratensis*), several rearings from *Acherontia atropos*, no collector name. – Questionable, confounded in the manuscript with the following species?

(514) p. 891: *S. atropivora* (= *Drino atropivora*) often bred from *Acherontia atropos*.

(515) p. 892: *Sturmia lophyri*. The name is intended to replace *Tachina simulans* sensu Hartig (misid. of *simulans* Meigen), and the two hosts of *T. simulans* recorded by Hartig 1838b: 285, nos. 159–160 are cited by Robineau-Desvoidy as hosts of *S. lophyri*. – In the sample which Robineau-Desvoidy obtained from Hartig, the specimens of *T. simulans* were, by mistake, labelled *Tachina bimaculata* (see Robineau-Desvoidy 1863(II): 44, *Schaumia*), and the true *T. bimaculata* (= *Drino inconspicua*) were labelled *T. simulans*. The species described from Hartig's sample as *Sturmia lophyri* on p. 892 is therefore *Drino inconspicua*. Rondani 1873: 220, and André 1879: 68, have cited it as *Masicera lophyri*. The listed hosts, however, belong to *Blondelia inclusa*.

(516) p. 963: *Tachina larvarum* (= *Exorista larvarum*) ex *Hadena* (= *Mamestra*) *brassicae*, B.d.Ch.

(517) – – ex *Lasiocampa* (= *Dendrolimus*) *pini* and *Lophyrus* (= *Diprion*) *pini*, Hartig. – Wrong quotation, misreading of Hartig 1838b: 283, who states that *T.* (= *E.*) *larvarum* has not been bred from these two hosts (see no. 156). *Dendrolimus pini* is parasitized by *E. fasciata* or *larvarum* (though not observed by Hartig), but *Diprion pini* is not a host of either species. The misquotation has never been rectified, and is included in the parasite lists of Rondani 1873: 220 (with ?), André 1879: 68, Brauer & Bergenstamm 1894: 552, Bezzi 1907: 335, and others.

(518)* p. 971: *Tachina festinata* n. sp. (= *Exorista grandis*) ex *Saturnia pyri* (on the label: *spini*), B.d.Ch. – Wrongly synonymized with *T. larvarum* (= *Exorista larvarum*) by Bezzi 1907: 336.

(519)* *Tachina marginalis* n. sp. (= *Masicera pavoniae*) ex *Saturnia pyri*, B.d.Ch., 3 ♂♂. – Wrongly synonymized with *T.* (= *Exorista*) *larvarum* by Bezzi 1907: 337.

(520) vol. II, p. 42: *Spinolia inclusa* (= *Blondelia inclusa*) ex *Lophyrus abietis*, Hartig. – The cited host name is a mistake, it was *L.* (= *Diprion*) *laricis* (no. 164).

(521) vol. II, p. 191: *Gymnosoma rotundata* (= *Gymnosoma* sp.) ex pentatomid sp.

(522) vol. II, pp. 855–868: The host-parasite list is compiled from the data in the full text, but two apparent mistakes have slipped into it (and from there into the list of Brauer & Bergenstamm 1894: 559, 553, and subsequent catalogues):

(522a) vol. II, p. 857: *Bombyx* (= *Thaumetopoea*) *pityocampa*, parasitized by *Doria concinnata* (= *Compsilura concinnata*). – The correct host cited in vol. I, p. 537, is *Bombyx* (= *Thaumetopoea*) *processionea*, see no. 482.

(522b) vol. II, p. 859: *Deilephila* (= *Celerio*) *euphorbiae*, parasitized by *Tachina larvarum* (= *Exorista larvarum*). – The correct host is *D.* (= *C.*) *galii*, cited in vol. I, p. 963, with reference to Hartig (see no. 153).

(523) vol. II, p. 918: Addendum: *Ceromyia bicolor* ex *Bombyx* (= *Lasiocampa*) *quercus*, Moret, Auxerre.

Wulp 1863

Rearings in the Netherlands by Eyndhoven (Eynd), Vollenhoven (Voll), Wttewaall (Wtt), and others. Records published already by Wulp & Vollenhoven 1856 are omitted in the following abstract. Localities are cited from Wulp 1866. *Specimens in ZMAN (Amsterdam) or RMNH (Leiden), redetermined by T. Zeegers (Z.) or by Herting (H.).

(524)* p. 43: *Micropalpus haemorrhoidalis* (misid. = *Linnaemyia olsufjevi*, 1 ♀, det. H., ZMAN) ex *Liparis* (= *Leucoma*) *salicis*, Empe, Eynd.

(525) *P. ruralis* (= *Voria ruralis*) ex *Plusia gamma*, Empe, Eynd. and Voorst, Wtt.

(526)* *Nemoraea maculosa* (misid. = *Nemorilla floralis*, det. Z., RMNH) ex *Plusia gamma*, Voorst, Wtt. [+ Eynd.].

(527)* – – (– = –, det. H., ZMAN) ex *Botys urticalis* (= *Eurrhypara hortulata*), Groningen, Gavere.

(528) *Exorista vulgaris* (= *Phryxe vulgaris*, or misid. = *P. magnicornis*) ex *Pyralis margaritalis* (= *Evergestis extimalis*), Eynd.

(529)* *E. fimbriata* (misid. = *Phryxe vulgaris*, det. Z., RMNH) ex *Leucania pallens*, Voorst, Wtt.

(530) *Tachina nigripes* (= *Blondelia nigripes*) ex *Leucania pallens*, Voorst, Wtt.

(531)* *T. vidua* (misid. = *Exorista fasciata*, det. Z., RMNH) ex *Bombyx* (= *Lasiocampa*) *trifolii*, The Hague, Voll.

(532) – – (= *Exorista larvarum* or misid. = *E. fasciata*) ex *Orgyia antiqua*, Leiden, Graaf.

(533) p. 44: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Pieris brassicae* (Leiden, Graaf, Utrecht, Six, and s'Gravenhage, Wulp), (534) *Pieris rapae*, (Voorst, Wtt), (535) *P. napi*, (Voorst, Wtt), (536) *Bombyx* (= *Phalera*) *bucephala*, (Voorst, Wtt), and (537) *B. lubricipeda* (*Spilosoma lutea*) (Leiden, Graaf).

(538) *Degeeria fascinans* (= *Bessa selecta*) ex *Nematus* (= *Pristiphora*) *erichsoni*, Brummen, Voll.

(539) *D. parallela* (prb. misid. = prb. *Bessa selecta*) ex *Cladius* (= *Trichiocampus*) *viminalis*, Voll.

(540)* *Medoria pullula* (misid. = *Anthomyiopsis plagioderae*, det. Z., RMNH) ex *Plagiodera armoraciae* (= *P. versicolora*), Voorst, Wtt. – *M. pullula* is *Anthomyiopsis nigrisquamata*. *A. plagioderae* (= *Ptilopsina nitens* sensu Villeneuve) has been confounded with it by Herting 1960: 117.

Becker 1864

(541) p. 478: *Tachina* sp. (misid. = prb. *Blaesoxipha gladiatrix*, Sarcophagidae) common parasite of *Caloptenus* (= *Calliptamus*) *italicus*, Saratov prov., Russia. The mature larva bores out through the neck of the grasshopper. – This behaviour agrees with the biology of *B. gladiatrix* as described by Léonide 1961: 150 (*Blaesoxipha laticornis* sensu auct. = *B. gladiatrix*).

Fallou 1864

(542) p. 680: *Thryptocera infantula*, det. Bigot (misid.), ex *Chelonia* (= *Orodemnias*) *cervini*, Gornergrat near Zermatt (Wallis, CH). – It is not impossible that this is the same specimen that Bigot has described later as *Germaria cervini* n. sp., see no. 710 (= *Onychogonia cervini*). *Germaria* was the first genus cited in the section Thryptoceratae Robineau-Desvoidy 1830: 82, which were reduced to generic status by Macquart 1834: 310, under the name *Thryptocera*.

Girard 1864, see Guérin-Méneville 1863

Millière 1864

(543) p. 385, pl. 46: *Morinia bigoti* n. sp. (= *Actia pilipennis*) ex *Tortrix* (= *Cacoecimorpha*) *pronubana*, S France. Determined by Bigot as an undescribed *Morinia* sp.

Boie 1865

(544) p. 242: Tachinid sp. similar to *Nemoraea rubrica* (= *Winthemia cruentata*) ex *Sphinx ligustri*, Germany. Between 16 and 27 eggs were found on each of three host larvae. The total number of flies reared was 30. – Wrongly cited as host record under *N. rubrica* (= *N. pellucida*) by Bezzi 1907: 223. *Nemoraea* is excluded because it is ovolarviparous.

Butler 1865

(545) p. 45: *Tachina consobrina* (prb. misid., identity unknown) ex *Saturnia pavonia* pupa, 1 specimen only. – Wrongly interpreted as a case of "non-destructive" parasitism. Although the parasite required only a small quantity of substance, the host died, and that prb. not, as the author believed, because of desiccation.

Desbrochers 1865

(546) p. XLIII: Eight puparia of a Dipterous parasite (= more likely a scavenger, ?*Sarcophaga* sp.) in the thorax of *Procrustes* (= *Carabus*) *coriaceus*, France. – The tachinid *Zaira cinerea* (parasite of adult Carabidae) pupates in the abdomen of the host.

Roo van Westmaas 1865

(547) p. 14: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Bombyx* (= *Samia*) *cynthia*. – Cited also by Wulp 1869: 153. Locality: Velp (NL).

Löw 1866

(548) p. 948: *Nemoraea quadripustulata* (= *Winthemia quadripustulata* or misid. = *W. cruentata*) ex *Sphinx ligustri*, one specimen.

(549) *Phorocera unicolor* (misid. = prb. *Myxexoristops stolida*) ex *Croesus laticrus* (= *C. septentrionalis*), one per host. Nearly all hosts were parasitized. – The misidentification could have been possible, if the pruinosity of the reared flies had become fatty so that their body was entirely black. *M. stolida* is the typical parasite of gregarious larvae of Nematinae, whereas *Perichaeta unicolor* parasitizes adult Chrysomelidae.

(550) *Masicera sylvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*.

Localities near Vienna (Austria).

Wulp 1866

Records published by the author already in 1856 and 1863 are omitted in the present abstract.

(551)* p. 156: *Exorista mitis* (misid. = *Eumea linearicornis*, 1 ♀ in ZMAN) ex *Noctua* (= *Cosmia*) *trapezina*, Graaf.

(552) p. 159: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Smerinthus* (= *Mimas*) *tiliae*, Sterkenburg, Kneppelhout.

(553) – – ex *Bombyx mori*, Leiden, 3 specimens.

(554) p. 163: *Degeeria fascinans* (= *Bessa selecta*) ex *Nematus* sp. on "roode bessen" (= *Ribes rubrum*), Wttewaall. – The host was prb. *N. ribesii*.

Localities in the Netherlands.

GOUREAU 1867

A paper not consulted by tachinologists, except RONDANI 1877/78. All new species described by GOUREAU are missed out in BEZZI 1907, but the host records of the other species are quoted there from RONDANI (l. c.).

(555) p. 123: *Tachina tremulina* n. sp. (= *Billaea irrorata*) ex *Saperda populnea*. The species is described as a *Tachina*, although it has a pubescent arista as mentioned in the description.

(556) p. 126: *Exorista dubia* (misid. = *Meigenia* sp.) ex *Chrysomela* (= *Melasoma*) *populi*. – The characters mentioned (bare eyes, body colour) and the date of adult emergence (middle of August) do not fit at all with *E.* (= *Lypha*) *dubia*. This wrong parasite record has been quoted by RONDANI and all subsequent host catalogues, except AUDCENT 1942: 11, who confounded *Melasoma populi* (Col. Chrysomelidae) with *Poecilocampa populi* (Lep. Lasiocampidae). EMDEN 1954: 42 did not realize the confusion and listed both wrong host species under *Lypha dubia*.

(557) p. 131: *Masicera proxima* (misid. = *Meigenia* sp., prb. *M. uncinata*) ex *Galeruca* (= *Agelastica*) *alni*. – The description (discal bristles on the abdomen) does not fit with *Masicera proxima* (= *Zaira cinerea*).

(558) p. 185: *Masicera media* n. sp. (= ?*Myxexoristops stolida*) ex *Nematus pavidus*. – The description is insufficient, but *M. stolida* is the normal parasite of this and other Nematinae. *M. media* Goureau is a junior homonym of *Masicera media* Macquart 1850 and thus an invalid name. The species of Macquart is a synonym of *Zaira cinerea*.

Locality: Dep. Yonne (France).

JEFFERY 1867

(559) p. 328: *Tachina puparum* (misid., identity unknown) ex *Odonestis* (= *Philudoria*) *potatoria*, Britain.

MILLIÈRE 1867

(560)* p. 284: *Exorista aemula*, det. BIGOT (= *Ethilla aemula*) ex *Nemoria aureliaria* (= *Eucrostes beryllaria*) on *Phillyrea angustifolia*, Cannes (Côte d'Azur, France), nearly 90 % of host larvae parasitized. – This old host record has been overlooked until now. Two specimens are preserved in the collection BIGOT in OXUM, they are not labelled as to origin and host, but the puparium pinned together with the fly indicates that they were bred. I am grateful to C. O'TOOLE for the loan that has enabled me to confirm the determination.

BLANCHARD 1868

(561) p. 654: *Gymnosoma rotundata* (or misid. = *Gymnosoma* sp.) parasite of *Pentatoma grisea* (= *Rhaphigaster nebulosa*), KÜNCKEL. Figure on p. 653: adult fly, 3rd stage larva, free and in the host (with respiratory funnel), puparium. Further details see KÜNCKEL D'HERCULAIS 1879 (no. 693).

CHARAULT 1868

(562) p. 691: *Eurigaster* sp. (misid. = ?*Compsilura concinnata*) ex *Liparis* (= *Lymantria*) *dispar*, Le Mans (France). – In a subsequent paper (CHARAULT 1869) this or another parasite of *L. dispar* is stated to be *C. concinnata* (no. 565).

MILLIÈRE 1868

(563) p. 32, Pl. 104: *Echinomyia fera* (= *Tachina fera*) ex *Xylocampa lithorhiza* (= *X. areola*). The picture of the fly shows the black median stripe not reaching the end of the abdomen.

(564) – – ex *Polyphaenis sericina* (= *P. sericata*).

Locality: France.

CHARAULT 1869

(565) p. LI: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Liparis* (= *Lymantria*) *dispar*, Le Mans (F).

NÖRDLINGER 1869

(566) p. 263: Small tachinid (= prb. *Bessa selecta*) ovipositing on a larva of *Tenthredo nigerrima* (= *Tomostethus nigritus*) on *Fraxinus*. White egg, three days later dark inboring hole visible. – Locality not stated, prb. Stuttgart (D).

WULP 1869

Tachinids reared in the Netherlands by: FR. = FRANSEN, Rotterdam. GAV. = De GAVERE, Groningen. GREB. = GREBNER, Amsterdam. LOD. = LODEESEN, Amsterdam. SNELL. = P. C. T. SNELLEN, various places. VOLL. = VAN VOLLENHOVEN. Redeterminations by T. ZEEGERS (Z., pers. comm.), or HERTING (H.).

(567) p. 138, 152: *Plagia aurifluae* n. sp. (= *Hyleorus elatus*) ex *Liparis auriflua* (= *Euproctis similis*), GAV.

(568) p. 141: *Nemoraea strenua* (= *Ernestia rudis*) ex *Trachea piniperda* (= *Panolis flammea*). Correction of the preceding misidentification as *N. glabrata* (VERLOREN 1846, no. 260, WULP & VOLLENHOVEN 1856, no. 380).

(569) p. 151, 153: *Thryptocera prasinanae* n. sp. (= *Bactromyia aurulenta*) ex *Halias* (= *Bena*) *prasinana*, Doorn, SNELL.

(570) p. 152: *Plagia ambigua* (= *Voria ruralis*) ex *Plusia gamma*, FR. and SNELL. – The identity with *V. ruralis* is confirmed by MEIJERE 1928a: 59.

(571)* *Exorista vulgaris* (misid. = *Phryxe erythrostoma*, in ZMAN, det. Z.) ex *Sphinx* (= *Hyloicus*) *pinastri*, Beekhuizen, KINKER.

(572)* – – (misid. = *P. heraclei*, 1 ♂ in ZMAN, det. H.) ex *Bombyx* (= *Philudoria*) *potatoria*, VOLL.

(573) – – (= prb. *Phryxe vulgaris*) ex *Cucullia verbasci*, Haarlem, BOOGAARD.

(574) *E. fimbriata* (prb. misid. = prb. *Phryxe nemea*) ex *Geometra* (= *Semiothisa*) *wauaria*, Haarlem, BOOGAARD. – *P. nemea* has been determined by WULP as *E. fimbriata* in no. 661 (WEIJENBERGH 1874), and the same misidentification has probably occurred in the present case.

(575) *E. excisa* (prb. misid. = prb. *Zenillia libatrix*) ex *Bombyx* (= *Thaumetopoea*) *processionea*, Voorst, WTTEWAALL. – This specimen is apparently lost, but ZEEGERS concluded the probable identity with *Z. libatrix* from other misidentifications by WULP.

(576) *E. lucorum* (prb. misid., identity unknown) ex *Sphinx ligustri*, GAV. – Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 235.

(577) *E. prominens* (= *Phryxe vulgaris*) ex *Bombyx* (= *Malacosoma*) *neustria*, FR. – The specimen was redetermined by STEIN as *P. vulgaris*, see MEIJERE 1928a: 59.

(578) *E. ferina* (= prb. *Phryxe vulgaris*) ex *Vanessa* (= *Aglais*) *urticae*, FR.

(579) *E. affinis* (= *Huebneria affinis*, or misid.) ex *Psyche* (= *Pachythelia*) *villosella*, Oosterbeek, BAKKER. – The host is atypical for *H. affinis*.

(580)* p. 153: *Meigenia bisignata* (= *Meigenia mutabilis*, 1 ♂, genitals prepared) ex *Athalia spinarum* (= *A. rosae*), Voorst, VOLL. – This specimen was found by Z. in LEWA and sent to me for determination.

(581) *Tachina larvarum* (= *Exorista larvarum*, prb. correct) ex *Papilio machaon* (FR.), and (582) *Acronicta rumicis* (FR.).

(583)* *T. vidua* (misid. = *Exorista fasciata*, in RMNH, det. Z.) ex *Bombyx* (= *Macrothylacia*) *rubi*, GAV.

(584) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Smerinthus* (= *Mimas*) *tiliae* (LOD.), (585) *Arctia lubricipeda* (= *Spilosoma lutea*) (GREB. and LOD.), (586) *Liparis auriflua* (= *Euproctis similis*) (Haarlem, WEIJENBERGH), (587) *Pygaera* (= *Clostera*) *anachoreta* (GREB. and LOD.), (588) *Acronicta tridens* (GREB. and LOD.), (589) *Acronicta aceris* (FR.), and (590) *Geometra amataria* (= *Timandra griseata*) (FR.).

(591) *Baumhaueria vertiginosa* (= *Thelymorpha marmorata*) ex *Arctia caja*, Fr.

(592) *Thryptocera pilipennis* (misid. = *Actia nudibasis*) ex *Retinia* (= *Petrova*) *resinella*, Oosterbeek, Bakker.

(593) *T. setipennis* (= *Triarthria setipennis*) ex *Notodonta* (= *Pheosia*) *tremula*, Fr. – The true host was prb. a *Forficula*.

(594) *Macquartia nitida* (misid. or host wrong) ex *Botys verticalis* (= *Sylepta ruralis*), Gav. – *M. nitida* is *M. tenebricosa*, a parasite of chrysomelid larvae. Wrongly synonymized with *Macquartia chalconota* by Bezzi 1907: 405.

(595)* *Degeeria parallela* (misid. = *Bessa selecta*, det. Z.) ex *Nematus virescens* (= *N. bergmanni*), Voorst, Voll. – Cited by Wulp & Meijere 1898: 87, as *Degeeria fascinans* and by Meijere 1907: 192 as *Ptychomyia selecta*. The host has been wrongly synonymized with *Nematus miliari*s by André 1879: 183, and both names (*virescens* and *miliaris*) are cited as different host species by Bezzi 1907: 301.

(596) – – (prb. misid. = prb. *Bessa selecta*) ex *Selandria sericans* (= *Pareophora plana*), Voll.

(597) *Scopolia latifrons* (= *Ramonda latifrons*) ex *Leucania lithargyria* (= *L. ferrago*), Fr.

(598) *S. ocypterina* (= *Ligeria angusticornis*) ex *Pterophorus lithodactylus*, Rotterdam, Snell.

Adams 1870

(599) p. XXII: Uji maggot (= *Blepharipa sericariae*) parasite of silkworms (= *Bombyx mori*) in Japan.

Cornalia 1870, see Rondani 1870a

Guérin-Méneville 1870

(600) p. 180: *Phorocera pumicata* (prb. misid. = prb. *Pales pavida* [or *processioneae*]) ex Ver à soie de l'Ailante (= *Samia cynthia*), France, more or less abundant.

(601) *Tachina oudji*, nomen nudum (= *Blepharipa sericariae*) parasite of Ver à soie (= *Bombyx mori*) in Japan.

Rondani 1870a

(602) p. 137: *Ugimyia sericariae* n. sp. (= *Blepharipa sericariae*) parasite of *Sericaria* (= *Bombyx*) *mori* in Japan. Description of the larva. – The adult is described by Cornalia in the same volume, p. 217, with 22 inexact figures. Host: filugello (= *B. mori*). *U. sericariae* has been wrongly synonymized with *Blepharipoda* (= *Blepharipa*) *zebina* by Mesnil 1950: 145.

Rondani 1870b

(603) p. 140: *Erynnia nitida* (misid. = *Erynniopsis antennata*) ex *Galeruca xanthomelaena* (= *Galerucella luteola*), Modena, Celi. Figs. 1–3: head, antenna and wing.

Rupertsberger 1870

Ex *Chrysomela* (= *Chrysolina*) *varians*, p. 842:

(604) *Macquartia nitida* (= *Macquartia tenebricosa*). – Wrongly synonymized with *Macquartia chalconota* by Bezzi 1907: 405.

(605) *M. praefica* (prb. misid.). – It is possible that the two sexes of *M. tenebricosa* have been determined as two different species.

(606) *Macquartia trimaculata* (misid. = *Meigenia* sp.). – The parasite has been redetermined by Brauer & Bergenstamm 1894: 562, as *Meigenia bisignata*.

Roebuck 1872

(607) p. 182: "*Anthomyia*" *larvarum* (prb. misid. = prb. *Exorista grandis*) ex *Saturnia carpini* (= *S. pavonia*), Leeds (England).

Rondani 1872b

(608) p. 210: *Tryptocera exoleta* (misid. = prb. *Peribaea tibialis*) ex *Polia* (= *Antitype*) *flavicincta*.

(609) p. 211: *Tricholyga properans* (prb. misid. = prb. *Townsendiellomyia nidicola*) ex *Liparis* (= *Euproctis*) *chrysorrhoea*.

(610) – – (– = –) ex *Liparis auriflua* (= *Euproctis similis*). – Wrong host? From the text it may be assumed that the two host species were kept together in a mixed rearing, and the parasite was (wrongly) attributed to both.

(611) to nos. 609–610: The true *T. properans* is *Erycia fatua* (*ferruginea* sensu Brauer & Bergenstamm 1894: 556, and Bezzi 1907: 295, not Meigen). The two hosts have been wrongly referred to this species in the literature.

(612) p. 212: *Cyrtophleba ruricola* ex *Spintherops* (= *Apopestes*) *spectrum*.

(613) *Masicera gyrovaga* (prb. misid. = prb. *Drino inconspicua*) ex *Lophyrus rufus* (= *Neodiprion sertifer*). – *M. gyrovaga* is *Drino vicina*.

Localities in Italy.

Rondani 1872(a, c)

A parasite catalogue, mainly compiled from the literature. No references are given. New records are marked as "obs. n." or "oss.n.".

(614) p. 148: *Myobia aurea* (= *Leskia aurea*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea* and *C.* (= *Th.*) *pityocampa*. Not marked as "obs. n." – Apparently quoted from Robineau-Desvoidy(I) 1863: *Zenillia aurea* (= *Zenillia libatrix*) ex *Bombyx processionea* (no. 472) and wrongly synonymized. In the parasite-host list (pp. 321–337) *Myobia aurea* is not mentioned, but *Exorista* (= *Zenillia*) *libatrix* is cited on p. 324 with *C. processionea* as one of its hosts. In the host-parasite list (p. 148), *E. libatrix* is missing among the parasites of *C. processionea*, and *Myobia aurea* is cited instead. *Leskia aurea* is a parasite of Sesiidae.

(615) *Tachina bellierella* Desv. ex *Cnethocampa* (= *Thaumetopoea*) *pityocampa*. – Wrongly quoted from Robineau-Desvoidy 1863(I): not *Phryxe bellierella*, see no. 466, but *Phryxe berceella*, see no. 467 (= *Phryxe caudata*). *Tachina* (*Phryxe*) *bellierella* Desv. (= *Phryxe vulgaris*) is cited by Rondani on p. 164 correctly under its host *Leucania albipuncta*.

(616) *Tachina bellierella* Desv. ex *C.* (= *Th.*) *processionea*. – Not identical with the preceding species. This is *Pales bellierella* Rob.-Desv. (= *Pales processioneae*), see no. 477. In the parasite-host list on p. 333, Rondani has confounded the three species *Phryxe bellierella*, *Phryxe berceella*, and *Pales bellierella* under the name *Tachina bellierella* Desv., citing *Cnethocampa* and *Leucania* as host genera. The entry of *Leucania* sp. as host of *Pales bellierella* in the list of Brauer & Bergenstamm 1894: 566, is a result of this confusion.

(617) *Exorista crassiseta* Rond. (= *Carcelia iliaca*) ex *C.* (= *Th.*) *processionea*. – A correct host record. Not marked as "obs. n.", but I have not found a record of *E. crassiseta* (described 1859) from this or another host before 1872.

(618) pp. 156, 327: *Masicera bombycivora* Desv. ex *Endromis versicolora*. – Wrongly quoted from Robineau-Desvoidy 1830: not *Phryxe* (= *Masicera*) *bombycivora*, see no. 62, but *Carcelia bombycivora*, see no. 73 (= prb. *Senometopia separata*). Rectified by Brauer & Bergenstamm 1894: 560.

(619) pp. 160, 331: *Plagia ruralis* (= *Voria ruralis*, or misid.) ex *Hadena* (= *Mamestra*) *brassicae*. – Not marked as new record, but I have not found a preceding publication.

(620) pp. 163, 333: *Tachina* (= *Meigenia*) *bisignata* ex *Ilithia carnella* F. (= *Oncocera semirubella*). On p. 333, the host is

cited with the generic name *Phycis* instead of *Ilithia*. – Wrongly quoted from HEEGER 1848, see no. 268. The host was *Epischnia* (= *Gymnancyla*) *canella* Hb. and the parasite very probably misidentified (= prb. *Nemorilla* sp.).

(621) pp. 163, 334: *Tachina erucastri* Desv. (= prb. *Phryxe caudata*) ex *Lasiocampa* (= *Dendrolimus*) *pini*. – Misunderstanding of the text of ROBINEAU-DESVOIDY 1863(I), see no. 471: "*Bombyx processionea* L. du Pin" is *Thaumetopoea pityocampa*. BEZZI 1907: 271, has wrongly synonymized *P. erucastri* with *Phryxe vulgaris*, and (p. 269) wrongly cited *Dendrolimus pini* as host of the latter species.

(622) pp. 163, 335: *Tachina pabulans* Fallén ex *Lasiocampa* (= *Dendrolimus*) *pini*. – Misspelling of *Musca* (= *Muscina*) *pabulorum* Fallén, which was recorded from this host by RATZEBURG 1844: 175. A Muscidae, placed in a wrong genus and family.

(623) *Tachina parasitica* Hrtg. ex *L.* (= *D.*) *pini*. – Described in the genus *Musca* and recorded from the host *L. pini* by HARTIG 1838b: 301. A muscid species of unknown identity, placed in a wrong genus and family.

(624) *Tachina quinquevittata* Hrtg. ex *L.* (= *D.*) *pini*, is *Sarcophaga quinquevittata* as described and recorded from this host by HARTIG 1838b: 303 (= *Agria affinis*, Sarcophagidae). Placed in a wrong genus and family.

(625) *Tachina stabulans* Fallén ex *L.* (= *D.*) *pini*, is *Musca* (= *Muscina*) *stabulans*, which was recorded from this host by HARTIG 1838b: 299. A Muscidae, placed in a wrong genus and family. Omitted on p. 336.

(626) pp. 164, 329: *Nemoraea pratensis* ex *Lasiocampa* (= *Philudoria*) *potatoria*. – Apparently quoted from SCHINER 1862, see no. 418. The genus name *Nemoraea* is an error, in RONDANI's two other citations from SCHINER (p. 328: ex *Saturnia*, ex *Smerinthus*) it is correctly given as *Masicera* (= *Masicera* sp.).

(627) p. 323: *Echinomyia fera* ex *Liparis* (= *Lymantria*) *dispar*. – The host is wrong. In the host-parasite catalogue (RONDANI 1873), *E. fera* is listed not under *L. dispar* (p. 164), but correctly under *L. monacha* (p. 4), as recorded by RATZEBURG 1844, see no. 218. (prb. misid. = prb. *Tachina magnicornis*).

(628) p. 323, and 1873, p. 25: *Echinomyia virgo* (prb. misid. = prb. *Tachina magnicornis*) ex *Trachea piniperda* (= *Panolis flammea*). – This is probably the record of HARTIG 1838b, see no. 142. *E. virgo* is a synonym of *Tachina fera*, but RONDANI is following ROBINEAU-DESVOIDY 1863(I): 631, 634, who has used the name *E. fera* wrongly for *Tachina magnicornis*, and *E. virgo* for the true *fera*.

(629) p. 324: *Exorista aurocincta* Desv. (= prb. *Phryxe nemea*) ex *Hadena* (= *Trachea*) *atriplicis*. – Misquotation. The host was *Hadena* (= *Mamestra*) *persicariae*, see ROBINEAU-DESVOIDY 1863(I), no. 458. In the host-parasite catalogue, *E. aurocincta* is listed correctly under *H. persicariae* (p. 161), not under *H. atriplicis* (p. 160). Rectified by BRAUER & BERGENSTAMM 1894: 553.

(630) p. 324, and 1873, p. 164: *Exorista crassiseta* (= *Carcelia iliaca*) ex *Liparis* (= *Lymantria*) *dispar*. – Misquotation. *E. crassiseta* Rondani is here confounded with *Tachina crassiseta* Ratzeburg (= prb. *Masicera sphingivora*), recorded by RATZEBURG 1844, no. 239, as parasite of *L. dispar*. The reverse confusion is found on p. 327, see no. 634, where *Masicera crassiseta* instead of *Exorista crassiseta* is cited as parasite of *Cnethocampa processionea*.

(631) p. 325: *Fischeria bicolor* bred from galls on *Pistacia terebinthus* and wrongly assumed to develop as a predator on the aphids inside the galls. – The true host, the predacious larva of the pyralid *Alophia combustella*, was detected later, see RONDANI 1874b (no. 655).

(632) p. 325, and 1873, p. 141: *Hyalomyia pusilla* ex *Brachyderes lusitanicus*. – *Hyalomyia dispar* (= *Rondania dispar*) recorded by DUFOUR 1851 (no. 353), is wrongly synonymized here with *H.* (= *Phasia*) *pusilla*.

(633) p. 326, and 1873, p. 143: *Labidigaster uncinatus* (= *Labigaster forcipata*) ex *Cassida viridis*. – *Ocyptera cassidae* (= *Dufouria chalybeata*) recorded by DUFOUR 1826 (no. 32), is wrongly synonymized here with the *Labigaster* species.

(634) p. 327: *Masicera crassiseta* ex *Cnethocampa* (= *Thaumetopoea*) *processionea*. – The genus name is wrong, it is *Exorista crassiseta* (= *Carcelia iliaca*) as correctly cited on p. 148 (see above, no. 617).

(635) p. 330, and 1874a, p. 64: *Ocyptera brassicaria* (= *Cylindromyia brassicaria*) ex *Rhaphigaster grisea* (= *R. nebulosa*). – Not marked as a new record. Possibly a misquotation from DUFOUR 1827, no. 34: *Ocyptera* (= *Cylindromyia*) *bicolor* ex *R. grisea* (which is, however, correctly cited one line before).

(636) p. 330: *Phorocera grandis* ex *Saturnia pyri*. – This is the record of ZETTERSTEDT 1844: 1125 (see no. 256) with the name of the parasite changed and the host species misquoted. In the host-parasite catalogue (RONDANI 1873: 18), *Phorocera grandis* (with *assimilis* in parentheses) is correctly listed as parasite of *Saturnia carpini* (= *S. pavonia*), not of *S. pyri*. *P. grandis* sensu Rondani comprises all *Phorocera* with yellow tip of the scutellum. The name has been restricted to an uncommon species by MESNIL 1946: 75, 78, MESNIL 1960: 639, and subsequent authors (lectotype designation by HERTING 1969: 195).

(637) p. 332, and 1873, p. 29: *Roeselia yponomeutae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*. Marked as a new record (obs. n.) on p. 29.

(638) p. 335: *Tachina noctuarum* Desv. ex *Leucania* and *Liparis*. – The first host record is correct (= no. 461), and cited also in the host-parasite catalogue, p. 164 (*Leucania lythargyria*). The second one is a misquotation, it is lacking in the host-parasite catalogue, unless it is *Exorista noctuarum* Desv. ex *Liparis* (= *Leucoma*) *salicis*, see no. 646.

WEIJENBERGH 1872

(639) p. LVIII: *Degeeria seria* (= *Admontia seria*) ex *Ctenophora ruficornis* (= *Tanyptera atrata*), and (640) *C.* (= *Flabellifera*) *pectinicornis*, Netherlands. – (641) to nos. 639–640: The name *seria* Meigen has been wrongly used for *Trichoparia* (= *Admontia*) *maculisquama* Zetterstedt by STEIN 1924: 147, and the two host records have been wrongly associated with that species.

LELIÈVRE 1873

(642) p. 102: Tachinid indet. (= prb. *Masicera pavoniae*) ex *Saturnia pyri*, 40 flies from 5 host pupae, synchronized with the double hibernation of the host, Amboise (Touraine, France).

NOWICKI 1873

(643) p. 27: *Exorista affinis* (= *Huebneria affinis*) ex *Euprepia* (= *Arctia*) *villica*, and (644) *Euprepia* (= *Phragmatobia*) *fuliginosa*, Lemberg (= Lwow, now Western Ukraine).

(645) *Nemoraea quadripustulata* (= *Winthemia quadripustulata*) ex *Cucullia scrophulariae*, Kraków (Poland).

RONDANI 1873

A continuation of the host-parasite catalogue of 1872.

(646) p. 4: *Exorista noctuarum* Desv. ex *Liparis* (= *Leucoma*) *salicis*. Not marked as new observation. – In the parasite-host catalogue (RONDANI 1872c: 324–325) only *Hadena* (= *Mamestra*) *persicariae* is listed as host of *E. noctuarum* Desv., correctly quoted from the original record, no. 455 (*Tlephusa noctuarum*). Because the well-known record no. 180, *Exo-*

rista (sensu Schiner) *lucorum* ex *L. salicis*, is missing here (p. 4), I suppose that RONDANI has cited the name *lucorum*, by lapse, as *noctuarum*. This distorted record is not included in the catalogues of BRAUER & BERGENSTAMM 1894 and BEZZI 1907, but LEONARDI 1924: 32, and 1928: 144 has cited it (following the synonymy stated by BEZZI 1907: 248), as *Exorista aurifrons* R.D. ex *Stilpnotia* (= *Leucoma*) *salicis*.

(647) *Masicera sylvatica* (prb. misid. = prb. *Masicera sphingivora*) ex *Liparis* (= *Leucoma*) *salicis*. Marked as "obs. n.".

(648) p. 20: *Tachina ruficrus* Hrtg. (identity unknown) ex *Smerinthus ocellatus*. Not marked as a new observation. – The species was bred from *Hyloicus pinastri* and described not by HARTIG, but by RATZEBURG 1844, see no. 242. An enigmatic species, unrecognized by all subsequent authors. The host *S. ocellatus* is probably a lapse in quotation.

(649) p. 164: *Chaetolyga segregata* (= *Exorista segregata*, or misid. = *Parasetigena silvestris*) ex *Liparis* (= *Lymantria*) *dispar*. – The genus name "*Chetolyga*" is a lapse for *Chaetogena*. Not marked as a new record, but I have not found a preceding publication. The species is cited in the supplement of the parasite-host catalogue (RONDANI 1877: 60) as *Phorocera segregata* with the same host.

(650) *Exorista erythrostoma* (= *Phryxe erythrostoma*) ex *Liparis* (= *Lymantria*) *dispar*. – Wrong host. The original record of *E.* (= *P.*) *erythrostoma* ex *Sphinx* (= *Hyloicus*) *pinastri* (HARTIG 1838b, no. 191) should have been listed under that host on p. 20, but is missing there. Apparently a misquotation concerning the host has occurred.

KALTENBACH 1874

(651) p. 320: *Delyta nigra* Frst./*Rhynchomyia*? *nigra* Frst. (= prb. *Phytomyptera nigrina*) ex *Pterophorus microdactylus* (= *Adaina microdactyla*). – See KALTENBACH 1861, no. 401. The tentatively changed generic name is misspelled *Rhynihomyia* in the text, but correctly given in the index on p. 840. *R. nigra* Förster in Kaltenbach (nomen nudum) has been wrongly synonymized with *Anachaetopsis ocypterina* (= *Ligeria angusticornis*) by BEZZI 1907: 373.

(652) p. 652: *Exorista libatrix* (= *Zenillia libatrix*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, numerous.

Locality prb. near Aachen, Rheinland, D.

RONDANI 1874a

The host-parasite catalogue of 1873 continued.

(653) vol. 5, p. 230: *Degeeria flavicans* (= *Bessa selecta*) ex *Tenthredo* (= *Macrophya*) *ribis*. – Misquoted from GOUREAU 1861, who has reared this parasite from *Nematus ribis* (= *N. ribesii*) (see no. 394).

(654) vol. 6, p. 64: *Gymnosoma rotundata* (= *Gymnosoma* sp.) ex *Rhaphigaster grisea* (= *R. nebulosa*), v. HEYDEN. – In the original publication (HEYDEN 1843, see no. 213), the host is identified as a *Pentatoma* sp. It is possible that RONDANI had obtained more precise information from the author of the breeding, but it may also be a lapse.

RONDANI 1874b

(655) p. 132: *Fischeria bicolor* ex *Ilithya palumbiella* n. sp. (= *Alophia combustella*) in aphid galls on *Pistacia*, MINA-PALUMBO. – See no. 631. The host is wrongly quoted as *Pempelia palumbella* Fabricius (a different species) by BRAUER & BERGENSTAMM 1894: 554, and BEZZI 1907: 418 (*Salebria*).

(656) p. 135: *Exorista lucorum* (misid. = prb. *Carcelia iliaca*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, APELLE DEI. – Wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 235. In RONDANI's collection there are only misidentified specimens including one *C. iliaca* standing under the name *Exorista lucorum*. The parasite is cited by RONDANI 1877: 56, and 1878: 14, not as *E. lucorum*, but as *E. gnava* (= *Carcelia gnava*).

(657) *Exorista libatrix* (= *Zenillia libatrix*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, leg. RONDANI.

(658) *Tricholyga caudata* (prb. misid. = prb. *Phryxe semicaudata*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*. – I have seen in the collection BRAUER in NHMW 1 ♂ of *P. semicaudata* given by RONDANI and determined by him as *caudata* (without indication of host).

WALKER 1874

A host list compiled from the literature, no references, no new records.

(659) In the catalogue of BRAUER & BERGENSTAMM 1894: 563, 567, three hosts of *Myxexorista* (= *Zenillia*) *libatrix* and three hosts of *Parexorista* (= *Carcelia*) *lucorum* are cited with reference to WALKER 1874: 281, but these are originally recorded in preceding literature (nos. 337, 305, 318 and nos. 298–300, respectively) and quoted already by SCHINER 1862: 464, 462.

WEIJENBERGH 1874

(660) p. 156: *Exorista vulgaris* (= *Phryxe vulgaris*) ex *Cucullia verbasci*.

(661)* *E. fimbriata* (misid. = *Phryxe nemea*) ex *Zerene* (= *Abraxas*) *grossulariata*, 1–5 parasites from each host. – In ZMAN, 1 ♀, Haarlem, 2.VII., seen by me.

(662) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Z.* (= *A.*) *grossulariata*, solitary parasite.

(663) *Ph. stupida* (= *C. concinnata*) ex *Porthesia auriflua* (= *Euproctis similis*). – Apparently an earlier determination of the parasite which was already published correctly by WULP 1869: 145, 153, see no. 586.

Localities not stated. WEIJENBERGH lived in Haarlem (NL).

MELDOLA 1876

(664) p. XXXV: *Tachina augusta* (identity unknown) ex *Pieris brassicae*, England. – Probably a misspelling and misidentification of *Tachina angusta* Macquart (= *Exorista mimula*, a parasite of Tenthredinidae larvae). [The synonym of *Exorista mimula* would be "*angustifasciata* Macquart", whereas "*angusta* Macquart" is a synonym of *Phorinia aurifrons* (cf. HERTING & DELY-DRASKOVITS 1993: 126, 141). Provided that the latter was meant by the breeder, it was possibly a misidentification of *Compsilura concinnat*a, a common parasitoid of *Pieris brassicae*.]

RONDANI 1877/78

A supplement to the preceding catalogue (1872–1874). In the present abstract, the page number of the parasite-host list (1877) is cited first, the page number of the host-parasite list (1878) in the second place. A missing citation in one of the two lists is indicated by a bar. RONDANI's collection is in MZUF, but the specimens are not labelled as to date, locality and host.

(665) pp. 56, 12: *Echinomyia abdominalis* (= *Peleteria abdominalis*) ex *Bombyx* (= *Lasiocampa*) *trifolii*, MINA-PALUMBO, Sicily. – Wrongly synonymized with *Peleteria ferina* by BEZZI 1907: 199. The host record is cited by MESNIL 1970 twice: correctly under *P. abdominalis* (p. 959) and erroneously under *Peleteria meridionalis* (p. 962, with reference to RONDANI).

(666) pp. 56, 22: *Echinomyia conjugata* (= *Tachina magnicornis*) ex *Liparis* (= *Lymantria*) *dispar*. – Questionable, because this parasite-host relation has never been confirmed.

(667) pp. 56, 12: *Echinomyia grossa* (= *Tachina grossa*) ex *Bombyx* (= *Lasiocampa*) *quercus*. – New record? Not marked as "obs. n.".

(668) pp. 56, 21: *Echinomyia praeceps* (= *Tachina praeceps*) ex *Liparis* (= *Euproctis*) *chrysorrhoea*.

(669) pp. 56, 13: *Exorista cheloniae* (= *Carcelia lucorum*) ex *Chelonia* (= *Arctia*) *villica*.

(670) pp. 56, 11: *Exorista confundens* (misid. = prb. *Carcelia lucorum*) ex *Arctia* (= *Phragmatobia*) *fuliginosa*. – Besides the field-collected type-series (males of *Senometopia confundens*) there are 1 ♀ of *Carcelia lucorum* and 1 ♀ of *C. falenaria* standing under this name in RONDANI's collection in MZUF. *C. lucorum* is a common parasite of Arctiidae.

(671) pp. 56, 21: *Exorista fauna* (misid. = prb. *Nilea innoxia*) ex *Liparis* (= *Euproctis*) *chrysorrhoea*, leg. APELLE DEI.

(672) pp. –, 21: *Exorista fugax* (identity unknown) ex *L.* (= *E.*) *chrysorrhoea*. – In RONDANI's collection there are single specimens of four ["three" in HERTING 1969: 194] different species placed under the name *E. fugax*. The lectotype (= *Drino lota*) was not reared from a host.

(673) pp. 56, 14: *Exorista gnava* (prb. misid. = prb. *Carcelia iliaca*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*. – This is probably the record of RONDANI 1874b: 135, but there the parasite was stated to be *Exorista lucorum*.

(674) pp. 56, –: *Exorista libatrix* (= *Zenillia libatrix*) ex *Liparis* (= *Lymantria*) *dispar*. – Original?

(675) pp. 57, 22: *Exorista susurrans* (prb. misid. = prb. *Senometopia separata*) ex *Liparis* (= *Lymantria*) *dispar*.

(676) pp. 57, 18: *Frontina instabilis* (= *Prosopea nigricans*) ex *Euchelia* (= *Tyria*) *jacobaeae*.

(677) pp. 59, 109: *Masicera media* (= ?*Myxexoristops stolida*) ex *Emphytus* (= *Allantus*) *ruficinctus*. – Wrong quotation from GOUREAU 1867: 185. The host is not *Emphytus pavidus* (= *ruficinctus*, feeding on *Rosa* and *Rubus*), but *Nematus pavidus* on *Salix*. This is confirmed by RONDANI's remark: "rodono le foglie dei salici" (1878: 109). ANDRÉ 1879: 255, has repeated the wrong quotation.

(678) pp. 59, 32: *Masicera pupiphaga* (= *Sturmia bella*) ex *Vanessa l-album* (= *Nymphalis vaualbum*).

(679) pp. 60, 12: *Phorocera gramma* (prb. = *Chaetogena obliquata*) ex *Bombyx* (= *Lasiocampa*) *trifolii*. – The true *gramma* Meigen is *C. obliquata*, a typical parasite of *L. trifolii*. BEZZI 1907: 316, has cited *gramma* wrongly as synonym of *Phorocera assimilis*, and LEONARDI 1928: 149 therefore has wrongly referred the host to the latter species.

(680) pp. 62, –: *Tachina erythrocephala* Hrtg. (= *Phryxe erythrostoma*, name misspelled) ex *Sphinx* (= *Hyloicus*) *pinastri*. – This is the record of HARTIG 1838b: 295 (no. 191). The species name is correctly cited in the host-parasite catalogue (RONDANI 1878: 29). The misspelled name is included without correction in the list of BRAUER & BERGENSTAMM 1894: 576, 607.

(681) pp. –, 18: *Tachina nympharum* (prb. misid. = prb. *Exorista larvarum*) ex *Euchelia* (= *Tyria*) *jacobaeae*. – The true *T.* (= *Exorista*) *nympharum* belongs to the *Exorista rustica*-complex and is very probably a parasite of Tenthredinidae larvae.

(682) pp. 62, 21: *Tricholyga confinis* (= *Aplomyia confinis*, or misid.) ex *Leuconea* (= *Aporia*) *crataegi*, APELLE DEI.

(683) pp. 62, 19: *Tricholyga fidoniae* Desv. ex *Fidonia piniaria* (= *Bupalus piniarius*). – Wrong citation. ROBINEAU-DESVOIDY 1863(II): 37–38, has cited HARTIG's 1838 record of *Tachina piniariae* (= *Blondelia piniariae*) ex *Geometra piniaria* (no. 158) with changed generic names: *Gervaisia piniariae* ex *Fidonia piniaria*. The species name *fidoniae* seems to be only a lapse for *piniariae*.

(684) pp. 62, 21: *Tricholyga vulgaris* (= *Phryxe vulgaris*) ex *Leuconea* (= *Aporia*) *crataegi*. – New record? Not marked as obs. n.

SIEBKE 1877

(685) p. 84: *Tachina vivida* (= *Eurithia vivida*, or misid.) ex *Bombyx* (= *Arctia*) *caja*. [The commonly reared *A. caja* would be an unlikely host.]

(686) p. 85: *T. affinis* (= *Huebneria affinis*) ex *B.* (= *A.*) *caja*.

(687) p. 86: *T. vulgaris* (= *Phryxe vulgaris*) ex *Aporia crataegi*.

(688) *T.* (= *Phryxe*) *magnicornis* (prb. misid. = prb. *Nilea rufiscutellaris*) ex *Acronicta rumicis*. [The guess "*N. rufiscutellaris*" seems to be very speculative because there is only a single record known from this host, but several records for *N. innoxia* and *N. hortulana*.]

Localities in Norway.

BIRCHALL 1878

(689) p. 77: *Tachina caesia* (misid. = prb. *Eurithia anthophila*) ex *Arctia lubricipeda* (= *Spilosoma lutea*), 164 specimens from 500 host larvae, Isle of Man (Britain).

BRANTS 1878

(690)* p. LXXXVIII: *Phorocera cilipeda* (misid. = *Pales processioneae*, in ZMAN, det. T. ZEEGERS, pers. comm.) [see ZEEGERS 1997] ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, Arnhem (NL). [*Phorocera cilipeda* is a synonym of *Pales processioneae* according to CERRETTI 2004: 231, so not "misid." in this case.]

MEADE 1878

(691) p. 180: *Exorista hortulana* (= *Nilea hortulana*) ex *Acronicta alni*, Wakefield (Yorkshire), PORRITT. – Published also by MEADE 1879b: 23, and PORRITT 1879: 44. Redetermined by MEADE 1892: 18, as *Exorista acronyctarum* (= *N. hortulana*).

RONDANI 1878, see RONDANI 1877

ANDRÉ 1879

The parasites are compiled from the literature without references. The following citation is wrong:

(692) p. 68: *Tachina erucastri* ex *Lophyrus* (= *Diprion*) *pini*. – This is evidently a misquotation from RONDANI 1872a, c: 163, 334, where *Lasiocampa pini* is (also wrongly) cited as host. The original is no. 471. The mistake is included uncorrected in the list of BRAUER & BERGENSTAMM 1894: 576.

KÜNCKEL D'HERCULAIS 1879

(693) p. 354: *Gymnosoma rotundata* parasite of *Rhaphigaster griseus* (= *R. nebulosa*). Eggs on the upper side of the last abdominal tergites. Pl. X, fig. 1: position of the parasite larva in the host. Figs. 2–4: larva (prb. 2nd stage), total, anterior and posterior part. Fig. 5: hind spiracles. Fig. 6: puparium.

MEADE 1879a

All specimens reared by BIGNELL.

(694) p. 121: *Tachina larvarum* (misid. = *Exorista fasciata*) ex *Zygaena filipendulae*. – Redetermined by MEADE 1892: 37, as *Tachina latifrons* Rond. (= *E. fasciata*).

(695) *Exorista vulgaris* (prb. misid. = prb. *Phryxe magnicornis*) ex *Z. filipendulae*. – The rearing of the two parasite species from *Z. filipendulae* is also published by BIGNELL 1880a: 17.

(696) *Exorista grandis* ex *Saturnia carpini* (= *S. pavonia*).

(697) *Masicera atropivora* (= *Drino atropivora*) ex *Acherontia atropos*. Host found by a sailor in South Europe.

MEADE 1879b and PORRITT 1879, see MEADE 1878

WACHTL 1879

Rearings in Galicia (= SW Poland). – On label: Bestwin (near Bielsko-Biała).

(698)* p. 102: *Pachystylum bremii* (misid. = *Pseudopachystylum gonioides*, in UBKW) ex *Lyda vafra* (misid. = *Acantholyda posticalis*). – The identity of the host is clearly indicated, because WACHTL cites the synonyms *stellata* Christ and *pratensis* Fabricius. BEZZI 1907: 357, 361, has quoted it wrongly as *Pamphilius vafer* L., and that not only under the correct parasite, *Pseudopachystylum gonioides* (p. 357), but also under the wrong parasite, the true *Pachystylum bremii* (p. 361).

(699)* p. 102: *Tachina larvarum* (= *Exorista larvarum*) ex *Ocneria* (= *Lymantria*) *dispar* (in TLMF), (700)* *Leucoma salicis* (in TLMF), and (701) *Vanessa* (= *Inachis*) *io*.

YAROSHEVSKI 1879 [= YAROSHEVSKI 1880]

(702) p. 143: *Nemoraea speciosa* (= *Winthemia speciosa*) found in numbers near Kharkov (Ukraine) in a forest which was heavily attacked by *Ocneria* (= *Lymantria*) *dispar*. In a rearing of a large number of *dispar* pupae, other parasitic Diptera (not specified) were obtained, but not a single *W. speciosa*. – BEZZI 1907: 233, with reference to YAROSHEVSKI, cites *L. dispar* as host of *W. speciosa*. MESNIL 1949: 98 has wrongly synonymized *W. speciosa* with *Winthemia venusta* and wrongly cited the alleged host under the latter name.

BERTKAU 1880

(703) p. 332: *Tachina* sp. (misid. = *Sarcophaga* sp.) ex eggsac of *Epeira cornuta* (= *Araneus cornutus*), Bonn, Germany. – The fly has been identified by MIK 1890: 153, as *Sarcophaga* ?*clathrata* ♂.

BIGNELL 1880a see MEADE 1879a

BIGNELL 1880b

(704) p. 246: *Exorista vulgaris* (prb. misid. = prb. *Phryxe nemea*) ex *Abraxas grossulariata*.

BIGOT 1880

(705)* p. CLI: *Anoxycampta hirta* n. sp. (= *Phryxe hirta*, in OXUM) ex *Heterogynis penella*, BELLIER DE LA CHAVIGNERIE, Basses-Alpes (F). – The name *A. hirta* has been wrongly used by STEIN 1924: 89 for the species *Pseudoperichaeta palesoidea* (syn.: *trizonata* Zetterstedt), and because of this confusion, *Heterogynis penella* has been wrongly cited as a host of the latter species in the THOMPSON catalogue (under *Anoxycampta trizonata*) and by MESNIL 1954: 411 (under *Phryxe palesioidea*).

BUGNION 1880

(706) p. 17: *Meigenia bisignata* (= *Meigenia* sp.) ex *Lina* (= *Melasoma*) *tremulae*, Fermens near Morges (Vaud, CH). – Fig. 1: adult ♀. Fig. 2: 3rd stage larva, total. Fig. 3: puparium in empty host skin. Fig. 4: 3rd stage larva, head and 2 thoracic segments. Fig. 5: last segments from below. Fig. 6: pharyngeal skeleton. Fig. 7: anterior spiracles. Fig. 8: spinules of the skin. Fig. 9: puparium, anterior part. Figs. 10, 11: upper and lower lid. Figs. 12, 13: hind end from below and in profile. Fig. 14: hind spiracle.

(707) p. 26: Undetermined tachinid (= prb. *Masicera pavoniae*) ex *Saturnia pyri*, 17 parasite puparia in one host pupa.

(708) p. 27: *Meigenia bisignata* (= *Meigenia* sp., prb. *M. uncinata*) ex *Agelastica alni*, KOWARZ, prb. Slovakia.

SEGVELT 1881

(709) p. 10: *Phorocera agilis* R.D. (misid., identity unknown) ex *Arctia caja*, Malines (= Mechelen, Belgium). 31 puparia in the dead caterpillar, the flies emerged a few days later – The true *P. agilis* is *P. assimilis*, a solitary parasite with one year life-cycle, pupation and hibernation in the soil.

BIGOT 1881

(710)* p. 365: *Germaria cervini* n. sp. (= *Onychogonia cervini*, in OXUM) ex *Nemeophila* (= *Orodemnias*) *cervini*, Gornergrat (near Zermatt, Switzerland), FALLOU. – Wrongly synonymized with *Onychogonia flaviceps* Zetterstedt by BRAUER 1898: 510, and with *O. interrupta* (= *O. flaviceps*) by MESNIL 1956: 539 and HERTING 1960: 104. *Onychogonia cervini* is *O. flaviceps* sensu Mesnil, not Zetterstedt.

LUCAS 1881 see LUCAS 1888

MEADE 1881

Tachinids reared by BIGNELL (BGN.), FLETCHER (FLT.), and others. Localities in Britain. The author admits that 2–3 distinct species may be confounded under the name *Exorista* (= *Phryxe*) *vulgaris*. In 1891: 326, he does not repeat the host list, but mentions again the "variability" of this species: facialia in some individuals nearly or quite bare (= *Phryxe nemea*), scutellum in others entirely black (= *Pseudoperichaeta*). In the present abstract the host records have therefore been rearranged according to the probably identity of the parasite species concerned.

(711) p. 288: *Exorista vulgaris* (= *Phryxe vulgaris*, prb. correct) ex *Vanessa* (= *Aglais*) *urticae* (BGN.), (712) *Pieris rapae* (FLT.), and (713) *Anthocharis cardamines* (MOSLEY).

(714) *Exorista vulgaris* (= *Phryxe vulgaris* or misid. = *P. nemea*) ex *Polia* (= *Antitype*) *flavicincta* (BGN.), (715) *Notodonta camelina* (= *Ptilodon capucina*) (BGN.), (716) *Eubolia cervinaria* (= *Larentia clavaria*) (BGN.), (717) *Sphinx ligustri* (BRIDGMAN), (718) *Simyra venosa* (= *S. albovenosa*) (FITCH), and (719) *Phlogophora meticulosa* (FITCH).

(720) *Exorista vulgaris* (prb. misid. = prb. *P. nemea*) ex *Taeniocampa* (= *Orthosia*) *stabilis* (BGN.), and (721) *Abraxas grossulariata* (BGN. and FLT.) [see also BIGNELL 1880b].

(722) *Exorista vulgaris* (prb. misid. = prb. *P. nemea* or *P. magnicornis*) ex *Hybernia* (= *Erannis*) *defoliaria*, BGN.

(723) *Exorista vulgaris* (prb. misid. = prb. *Pseudoperichaeta nigrolineata* or *Phryxe nemea*) ex *Tortrix* (= *Pandemis*) *ribeana*, BGN.

(724) *Exorista vulgaris* (prb. misid. = prb. *Phryxe magnicornis*) ex *Zygaena filipendulae*, FITCH.

(725) *Exorista vulgaris* (prb. misid. = prb. *Phryxe heraclei*) ex *Odonestis* (= *Philudoria*) *potatoria*, MOSLEY and PORRITT.

(726) *Exorista grandis* ex *Saturnia carpini* (= *S. pavonia*), BGN., FITCH, MOSLEY, and SANG.

(727) p. 289: *Exorista hortulana* (= *Nilea hortulana*) ex *Acronicta alni*, BRIDGMAN and PORRITT.

(728) *Exorista affinis* (misid. = *Nilea hortulana*) ex *A. alni*, BRIDGMAN and FITCH. – The identity of this species with the preceding one was suspected by MEADE himself, and in 1892: 18, he united them under the name *E. acronyctarum*.

(729) *Exorista lota* (misid. = *Nilea hortulana*) ex *Acronicta psi* (FLT.), and (730) *Taeniocampa* (= *Orthosia*) *stabilis* (DALE).

(731) *Exorista parens* (misid. = prb. *Phryxe nemea*) ex *Polia* (= *Antitype*) *flavicincta*, BGN. – In *E. parens* RONDANI 1859: 145 (= *Phebellia nigripalpis*), the facial bristles are not ascending. The specimens were redetermined as *Exorista vulgaris* var. by MEADE 1892: 35.

(732) *Nemoraea notabilis* (= *Nemorilla floralis*) ex *Botys verticalis* (= *Sylepta ruralis*), COOKE and *PORRITT.

(733) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Acronicta aceris*, FLT.

(734) *Baumhaueria vertiginosa* (= *Thelymorpha marmorata*) ex *Chelonia* (= *Arctia*) *caja*, FITCH.

(735) *Scopolia ocypterina* (= *Ligeria angusticornis*) ex *Pterophorus* (= *Leioptilus*) *tephradactylus*, BUTLER.

(736) *Thelaira leucozona* (prb. misid. = prb. *Thelaira nigripes* or *T. solivaga*) ex *Chelonia* (= *Arctia*) *caja*, BUTLER. – Up to our knowledge, *T. leucozona* does not exist in Britain. [*T. leucozona* is known from this country (BERGSTRÖM 2004) and following the host prb. correctly identified in this case.]

ALTUM 1882

(737) p. 103: *Tachina monachae* (prb. misid. = *Parasetigena silvestris*) effective parasite of *Liparis* (= *Lymantria*) *monacha* in a mass-outbreak, Eberswalde (East Germany). – *T. monachae* is *Exorista larvarum* or *E. fasciata*.

BIGNELL 1882

(738) p. 140: *Thryptocera bicolor* (= *Ceromyia bicolor*) ex *Bombyx* (= *Lasiocampa*) *quercus*, ca. 50 parasite larvae from one host, Britain.

MEADE 1882

BGN. = BIGNELL, FLT. = FLETCHER.

(739) p. 24: *Exorista lota* (misid. = *Nilea hortulana*) ex *Acronycta psi*, BGN.

(740) *Scopolia ocypterina* (= *Ligeria angusticornis*) ex *Pterophorus* (= *Leioptilus*) *tephradactylus*, BGN.

(741) *Exorista vulgaris* (= *Phryxe vulgaris*, prb. correct) ex *Pieris rapae*, BGN.

(742) *Exorista vulgaris* (prb. misid. = prb. *Phryxe nemea*) ex *Mamestra persicariae*, (743) *Taeniocampa* (= *Orthosia*) *populeti*, and (744) *Oporabia* (= *Oporinia*) *dilutata*, all BGN.

(745) *Exorista gnava* (= *Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*, BGN.

(746) *E. fauna* (misid. = prb. *Xylotachina diluta*) ex *Cossus ligniperda* (= *C. cossus*), BGN. – *Exorista fauna* in the sense of of BEZZI 1907: 278 (= *Nilea innoxia*) does not exist in Britain. The parasite is cited by AUDCENT 1942: 4, as *Zenillia libatrix*, because WAINWRIGHT 1928: 246, has listed "*fauna*" as probable synonym of "*libatrix*", but the description of "*fauna*" ex *Cossus* by MEADE 1892: 17 (abdomen grey dusted with a longitudinal black stripe and black margins of the tergites) does not fit with *Zenillia libatrix*. With the subsequent records nos. 956 and 1489 there are three breedings of the same species from this peculiar host in Britain and its is therefore likely that it was *Xylotachina diluta*, the only tachinid known to be a regular *Cossus*-parasite.

(747) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Notodonta chaonia* (= *Drymonia ruficornis*), BGN.

(748) *Exorista vulgaris* (= *Phryxe vulgaris*, prb. correct) ex *Plusia gamma*, and (749) *Vanessa* (= *Aglais*) *urticae*, all FLT.

(750) *Thryptocera setipennis* (= *Triarthria setipennis*) ex *Coccyx* (= *Cydia*) *strobilella*, FLT. – The true host was very likely a *Forficula*.

(751) *Degeeria* sp. (= prb. *Elodia ambulatoria*) ex *Tinea* (= *Nemapogon*) *cloacella*, FLT.

Localities in Britain.

WACHTL 1882

The collection WACHTL is kept partly in UBKW, partly in TLMF. The published locality Austr. infer. (= Lower Austria) is wrong in some cases in which the label indicates Bestwin (near Bielsko-Biała, SW Poland), where WACHTL worked as forester. [See also TSCHORSNIG & HERTING 2005.]

(752)* p. 277: *Thelaira leucozona* (misid. = *Thelaira nigripes*) ex *Dianthoecia capsincola* (= *Hadena bicruris*). – TLMF, on label: Austr. inf. (= Lower Austria), 8.5.1880.

(753)* *Macquartia prolixa* (= *Eriothrix prolixa*) ex *Botys* (= *Pyrausta*) *porphyralis*. – UBKW, 1 ♂ with narrow frons without lateroclinate prevertical bristle. On label: Austr. inf., 12.5.80, Host on *Origanum*.

(754)* *Thryptocera crassicornis* (misid. = *Actia nudibasis*) ex *Retinia* (= *Petrova*) *resinella*. – TLMF, on label: Bestwin, 25.–28.4.80 (SW Poland) and Gutenstein, 26.4.80 (Lower Austria).

(755)* – – ex *Retinia* (= *Rhyacionia*) *buoliana*, Moravia. – TLMF, on label: Znaim (= Znojmo), 17.6.82.

(756) p. 278: *Thryptocera cognata* (= *Eurysthaea scutellaris*) ex *Hypena rostralis*.

(757)* *Thryptocera pilipennis* (misid. = *Actia crassicornis*) ex *Depressaria costosa* (= *D. nervosa*). – TLMF, on label: Bestwin, 22.6.76.

(758) *Leskia aurea* ex *Sesia* (= *Synanthedon*) *formicaeformis*.

(759)* *Baumhaueria vertiginosa* (= *Thelymorpha marmorata*) ex *Ocneria* (= *Lymantria*) *dispar*. – TLMF, on label: Bestwin, 23.7.74.

(760)* *Phorocera concinnata* (= *Compsilura concinnata*) ex *Phalera bucephala*, Galicia (= SW Poland). – UBKW, on label: Saybusch (= Zywiersz), 16.4.74.

(761)* – – ex *Stauropus fagi*. – TLMF, Austr. inf., 12.4.80.

(762)* – – ex *Acronicta aceris*. – UBKW, Austr. inf., 10.8.76.

(763)* – – ex *A.* (= *Craniophora*) *ligustri*. – TLMF, Austr. inf., 21.4.80.

(764)* – – ex *Vanessa* (= *Araschnia*) *levana*. – TLMF, Austr. inf., 16.3.82.

(765)* *Phorocera cilipeda* (= *Pales pavida*) ex *Panolis piniperda* (= *P. flammea*). – UBKW, TLMF, Bestwin, 7.–12.7.75.

(766) – – ex *Acronicta tridens*. [Listed in HERTING 1960: 70 under *Nilea hortulana*, but no material could be found in the collection WACHTL by TSCHORSNIG & HERTING 2005.]

(767) *Phorocera pumicata* (misid. = prb. *Pales processioneae*) ex *Thaumetopoea processionea*, Austr. infer.

(768)* *Masicera bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, Schönkirchen, Austria infer., numerous (UBKW, TLMF).

(769)* *M. pratensis* (misid. = *Masicera sphingivora*) ex *Deilephila* (= *Celerio*) *euphorbiae*. – TLMF, Bestwin, VIII.75, numerous.

(770)* – – (= *Masicera pavoniae*) ex *Acherontia atropos*, Austr. inf. – UBKW, 1 ♂, 1 ♀, April 1882, leg. NADLER & MÜLLER.

(771)* *Tachina agilis* (= *Blondelia nigripes*) ex *Agrotis candelarum* (= *Amathes ashworthii*). – UBKW, 1 ♂, 1 ♀, Austr. inf., 30.5.81.

(772) *Tachina doris* (misid. = prb. *Sturmia bella*) ex pupa of *Plusia* sp.

(773)* *Exorista confinis* (= *Aplomyia confinis*) ex *Thecla quercus*, Austria infer. – TLMF, 12.6., no further dates.

(774) *E. tritaeniata* (prb. misid., identity unknown) ex *Pygolopha lugubrana*, Hungary. – My assumption (HERTING 1960: 78) that it could be *Catagonia aberrans* is probably wrong.

(775)* *Exorista cheloniae* (= *Carcelia lucorum*) ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*. – TLMF, no locality, 24.4.80.

(776)* – – ex *Arctia villica*. – TLMF, Prater (Vienna), V.1881, many specimens.

(777)* p. 279: *Nemorilla notabilis* (= *Nemorilla floralis*) ex *Tachyptilia* (= *Anacampsis*) *populella*, Austr. infer. – TLMF, 1 ♂, Prater, 23.6.80.

(778)* *Nemorilla maculosa* ex *Myelois* (= *Eurhodope*) *suavella*, Moravia. – UBKW, 1 ♀, Znaim (= Znojmo), 12.6.82, Host on *Prunus spinosa*.

(779)* – – (misid. = *Nemorilla floralis*) ex *Psecadia* (= *Ethmia*) *bipunctella*. – UBKW, 1 ♀, Prater, 26.4.81, Host on *Echium*.

(780)* – – (– = –) ex *Botys* (= *Sylepta*) *ruralis*. – UBKW, 1 ♀ Prater, 31.7.80.

(781) *Tricholyga major* (= prb. *Exorista sorbillans* or *E. grandis*) ex *Sphinx ligustri*.

YAROSHEVSKI 1882 [= YAROSHEVSKI 1883]

(782) p. 484: *Exorista vulgaris* (= *Phryxe vulgaris*) ex *Vanessa* (= *Inachis*) *io*.

(783) p. 488: *Tachina bella* (= *Sturmia bella*) ex *V.* (= *I.*) *io*.

(784) – – ex *V.* (= *Aglais*) *urticae*.

(785) – – ex *Vanessa cardui*. 47 caterpillars of this host were all parasitized, the number of tachinid larvae per host varied between 1 and 10.

(786) p. 491: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Ocneria* (= *Lymantria dispar*).

Locality: Kharkov prov. (Ukraine). The last-mentioned species was bred by the author himself, the others by SHEVYREV.

BRAUER 1883a

Host records of tachinids compiled from the literature (referred to as Z. K. M. III in the catalogue of BRAUER & BERGENSTAMM 1894). There is one original record and one misquotation:

(787) p. 76: *Dexia ferina* (= *Dinera ferina*) ex medium-sized Lamellicornia larva in wood, ?*Dorcus parallelepipedus*, Austria.

(788) p. 78: *Nemoraea* (= *Winthemia*) *quadripustulata* ex *Saturnia spini*, reference to ZETTERSTEDT, vol. III, p. 1105. – Wrong quotation, see no. 253. The host was *Saturnia carpini* (= *S. pavonia*). Not rectified in subsequent catalogues.

BRAUER 1883b

(789) p. 875: *Phorostoma latum* (= *Billaea pectinata*) ex *Rhizotrogus* (= *Amphimallon*) *solstitialis*, Wienerwald (Vienna forest, Austria). Taf. II, fig. 13: 3rd stage larva with respiratory funnel; figs. 14, 15, 18: head; fig. 16: anterior spiracle; fig. 17: hind spiracle; fig. 19: anus.

(790) p. 877: *Dexia rustica* ex *R.* (= *A.*) *solstitialis*.

HÜMMER 1883

(791) p. 18: Undetermined tachinid ex adult *Saturnia pavonia*, Switzerland.

INCHBALD 1883

(792) p. 195: *Exorista cheloniae* (= *Carcelia lucorum*) ex *Arctia caja*, Britain.

CHOLODKOVSKY 1884

(793) pp. 316, 317: Tachinid larvae (= prb. *Zaira cinerea*) in *Carabus cancellatus*.

(794) – – in *Carabus glabratus*.

(795) p. 317: Tachinid larvae (= prb. *Freraea gagatea*) in *Harpalus ruficornis* (= *H. rufipes*), gregarious. – *Zaira cinerea* lives solitary in small Carabidae, see NIELSEN 1918: 253.

Locality prb. St. Petersburg, Russia.

BRISCHKE 1885

(796) p. 15: *Echinomyia grossa* (= *Tachina grossa*) ex *Gastropacha* (= *Macrothylacia*) *rubi*.

(797) *E. fera* (prb. misid. = prb. *Tachina magnicornis*) ex *Panolis piniperda* (= *P. flammea*).

(798) *Tachina silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*, Zara (Dalmatia).

(799) – – (prb. misid. = ?*Masicera sphingivora*) ex *Spintherops* (= *Apopestes*) *spectrum*, Italy.

(800) – – (prb. misid. = prb. *M. sphingivora*) ex *Sphinx* (= *Celerio*) *galii*.

(801) *Tachina pratensis* (misid. = prb. *Drino* sp., ?*D. inconspicua*) ex *Sphinx* (= *Hyloicus*) *pinastri*. – The description of the puparium excludes *Masicera* (*pratensis* sensu auct. = *M. pavoniae*), the single bristle at the base of r_{4+5} suggests a *Drino* species.

(802) p. 16: *Tachina scutellata*? (misid. = prb. *Drino inconspicua*) ex *Lasiocampa* (= *Dendrolimus*) *pini*. – The single bristle at the base of r_{4+5} and the description of the puparium fit with *D. inconspicua*. The record is omitted in BEZZI 1907 and BAER 1921, but cited as *Masicera scutellata* by VASIL'EV 1905a: 60 (1913: 59), and (from there) in the THOMPSON catalogue. The true *T. scutellata* Zetterstedt is *Xylotachina diluta*.

(803) – – (– = –) ex *Bupalus piniarius*.

(804) *Tachina flavescens* (= *Exorista larvarum*) ex *Zygaena filipendulae*, and (805) *Dasychira selenitica*.

(806) *Tachina nigripes* (= *Blondelia nigripes*) ex *Panolis piniperda* (= *P. flammea*), (807) *Dianthoecia echii* (= *Hadena irregularis*), and (808) *Cucullia argentea*.

(809) *Tachina nigripes* (= prb. *Blondelia piniariae*) ex *Bupalus piniarius*.

(810) – – (= prb. *B. inclusa*) ex *Lophyrus* (= *Diprion*) sp.

(811) *Nemoraea neglecta* (= *Nemoraea pellucida*) ex *Noctua* (= *Trachea*) *atriplicis*.

(812) *N. strenua* (= *Ernestia rudis*) ex *Panolis piniperda* (= *P. flammea*).

(813) *N. rudis* (misid. = prb. *Eurithia connivens*) ex *Cucullia abrotani* (= *C. artemisiae*). – Wrongly synonymized with *Ernestia* (= *Eurithia*) *consobrina* by BEZZI 1907: 211. The specimens that PANDELLÉ 1896: 35–36 had received from East Prussia (= from BRISCHKE) and named *consobrina* were in reality *E. connivens*, because he says that they differed from typical *consobrina* by a smaller keel on the male syncercus ("lancette basilaire du mésolobe périneal plus petite").

(814) *Nemoraea maculosa* (= *Nemorilla* sp.) ex *Tinea* (= *Acrobasis*) *consociella*.

(815) *Myobia aurea* (= *Leskia aurea*) ex *Sesia cynipiformis* (= *Synanthedon vespiformis*)[, Switzerland].

(816) *Tryptocera crassicornis* (prb. misid. = prb. *Actia pilipennis*) ex *Tortrix viridana*.

(817) *T. pilipennis* (= *Actia pilipennis*) ex *Tortrix viridana*.

(818) – – (misid. = *Actia nudibasis*) ex *Retinia resinana* (= *Petrova resinella*).

(819) *T. bicolor* (= *Ceromyia bicolor*) ex *Gastropacha* (= *Lasiocampa*) *quercus*.

(820) *T. infantula* (= *Actia infantula*, or misid. = *A. nigroscutellata*) ex *Grapholitha* (= *Cydia*) *servillana*.

(821) *Exorista lucorum* (misid. = prb. *Carcelia gnava*) ex *Gastropacha* (= *Malacosoma*) *neustria*.

(822) – – (prb. misid., not *Carcelia*?, identity unknown) ex *Sphinx* (= *Hyloicus*) *pinastri*.

(823) – – (misid. = prb. *Carcelia gnava*) ex *Dasychira pudibunda*.

(824) – – (misid. = prb. *Senometopia excisa*-complex) ex *Psilodontis palpina* (= *Pterostoma palpina*).

(825) to nos. 821–823: BEZZI 1907: 235 has wrongly synonymized *E. lucorum* with *Carcelia* (= *Senometopia*) *excisa* and wrongly cited the hosts *M. neustria*, *H. pinastri* and *D. pudibunda* under that species.

(826) *Exorista apicalis* (= *Winthemia quadripustulata*) ex *Gastropacha* (= *Malacosoma*) *neustria*, (827) *Charaeas* (= *Cerapteryx*) *graminis*, (828) *Dianthoecia capsincola* (= *Hadena bicruris*), and (829) *Ortholitha cervinaria* (= *Larentia clavaria*).

(830) to nos. 826–829: MESNIL 1949: 74 has wrongly synonymized *E. apicalis* with *Nemosturmia* (= *Timavia*) *amoena*, and cited (p. 75) the hosts nos. 826, 828, 829 (from BEZZI 1907: 229, who missed out no. 827: *C. graminis*) wrongly under that species.

(831) *E. quadripustulata* (misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*.

(832) *E. vulgaris* (= *Phryxe vulgaris*) ex *Pieris brassicae*.

(833) – – (prb. misid. = prb. *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*.

(834) – – (– = –, host wrong?) ex *Lasiocampa* (= *Dendrolimus*) *pini*.

(835) – – (= *Phryxe vulgaris*, or misid.) ex *Halias* (= *Bena*) *prasinana*.

(836) p. 17: *Exorista straminifrons* (= *Phryxe nemea*) ex *Halia* (= *Semiothisa*) *wauaria*, (837) *Hibernia* (= *Erannis*) *defoliaria*, (838) *Abraxas grossulariata*, (839) *Eupithecia lariciaria* (= *E. lariciata*, misspelled), (840) *Calymnia* (= *Cosmia*) *trapezina*, and (841) *Tortrix* (= tortricid) sp.

(842) *Exorista straminifrons* var. (wing veins dark lined = prb. not *Phryxe*, identity unknown) ex *Zonosoma trilinearia* (= *Cosymbia linearia*).

(843) to nos. 836–842: Bezzi 1907: 275, has wrongly synonymized *E. straminifrons* sensu Brischke with *Phryxe vulgaris* and cited the hosts nos. 836–842 wrongly under that species (p. 269). Moreover, he has wrongly interpreted the host no. 839 as *Boarmia laricaria* Doubleday (= *Ectropis bistortata*).

(844) *Exorista fimbriata*? (misid. = prb. *Myxexoristops stolida*) ex *Nematus cheilon* (= *Pristiphora geniculata*). – Wrongly synonymized with *Zenillia* (= *Paratryphera*) *barbatula* by Bezzi 1907: 277, 278.

(845) *Exorista fulva* (prb. misid. = ?*Senometopia intermedia*) [could also be *S. excisa* which is also known from this host] ex *Zerene* (= *Abraxas*) *sylvata*. – The true *fulva* Fallén is *Zenillia libatrix*. Bezzi 1907: 235, has wrongly listed it (with ?) as a synonym of *Carcelia* (= *Senometopia*) *excisa* and omitted the host record.

(846) *Plagia ruralis* (= *Voria ruralis*) ex *Plusia gamma*.

(847) *P. curvinervis* (= *Athrycia curvinervis*, or misid.) ex *Plusia gamma*.

(848) *P. trepida* (prb. misid. = prb. *Cyrtophleba ruricola*) ex *Spintherops* (= *Apopestes*) *spectrum*, Italy. – The almost globular puparium is typical for *C. ruricola*.

(849) *Micropalpus vulpinus* (= *Linnaemyia vulpina*) ex *Hadena porphyrea* (= *Blepharita satura*). – In the Thompson catalogue, the host is wrongly cited as *Mniotype* (= *Blepharita*) *adusta*.

(850) *Masicera aurulenta* (= *Bactromyia aurulenta*) ex *Smerinthus populi* (questionable), (851) *Halias* (= *Bena*) *prasinana*, (852) *Zerene sylvata* (= *Abraxas sylvata*), and (853) *Eupithecia actaeata*.

(854) *Masicera aurulenta* var. (identity unknown) ex *Selandria luteola* (= *Monostegia abdominalis*).

(855) *Degeeria vertiginosa* (= *Thelymorpha marmorata*) ex *Leucoma salicis*, and (856) *Gastropacha* (= *Malacosoma*) *neustria*.

(857) *Dexia nigripes* (= *Thelaira* sp.) ex *Sphinx* (= *Deilephila*) *porcellus*.

(858) p. 18: *Siphona tachinaria* (= *Siphona* sp.) obtained in a rearing of *Anthomyia* (= *Pegomyia*) *nigritarsis*. – The true host is unknown. The parasite has been synonymized (wrongly?) with *Bucentes* (= *Siphona*) *cristata* by Bezzi 1907: 381.

(859) *Tachina nigrifrons* n. sp. (= ?*Drino vicina*) ex *Sphinx* (= *Deilephila*) *porcellus*. – Wrongly synonymized with *Tachina* (= *Exorista*) *larvarum* by Bezzi 1907: 337. The description of the puparium (hind spiracles gibbose) disagrees with that species, but fits with *Drino vicina*, a typical *porcellus* parasite. The presence of two bristles at the base of r_{4+5}, however, would be an abnormity in the genus *Drino*.

(860) p. 19: *Tachina ripae* n. sp. (= *Lydella ripae*) ex *Leucania* (= *Photedes*) *elymi*.

(861) – – ex *Apamea suffuruncula* (= *Mesoligia literosa*).

(862) – – ex *Apamea litorea* (= prb. misspelling of *literosa*) in *Elymus arenarius*. – A species '*litorea*' exists in another genus, it is a junior synonym of *Acosmetia caliginosa* which does not live on *Elymus*.

(863) – – (?misid. = ?*Lydella stabulans*) ex *Leucania* sp. (= prb. *Nonagria* sp.) in *Typha* stalks.

(864) to nos. 860–863: Bezzi 1907: 292, has wrongly synonymized *Tachina ripae* Brischke with *Lydella* (= *Blondelia*) *nigripes* and wrongly cited the host records nos. 860–862 (including *Acosmetia caliginosa*) under that species (p. 290). Brischke, however, mentions the presence of a single bristle at the base of r_{4+5} and that excludes *Blondelia*. Pandellé 1896: 52, has synonymized *T. ripae* with *Tachina*, subg. *Masicera*, *agrestis* Rob.-Desv. (= *Lydella grisescens*). Herting 1959: 426, has shown that *ripae* and *grisescens* are different species.

(865) *Tachina omnivora* n. sp. (= prb. *Blondelia nigripes*) ex *Vanessa* (= *Nymphalis*) *polychloros*). – Synonymized with *Tachina*, subg. *Masicera*, *ignota* Perris (= *Blondelia nigripes*) by Pandellé 1896: 51.

(866) – – ex *Porthesia auriflua* (= *Euproctis similis*).

(867) *Tachina geometrae* n. sp. (= prb. *Blondelia nigripes*) ex *Ortholitha cervinaria* (= *Larentia clavaria*). – Synonymized with *Tachina*, subg. *Masicera*, *ignota* Perris (= *Blondelia nigripes*) by Pandellé 1896: 51.

(868) p. 20: *Tachina papilionis* n. sp. (= *Buquetia musca*) ex *Papilio machaon*. – Synonymized with *Bigonichaeta setifacies* (= *Buquetia musca*) by Pandellé 1896: 70.

(869) *Phorocera abnormis* n. sp. (= *Nilea rufiscutellaris*) ex *Acronicta auricoma*. Four flies from one host. – Wrongly synonymized with *Phryxe vulgaris* by Bezzi 1907: 269. Cited by Pandellé 1895: 336, as a variety of *vulgaris* with higher ascending facial bristles.

(870) p. 21: *Phorocera flavibarbata* n. sp. (= *Chaetogena obliquata*) ex *Gastropacha* (= *Lasiocampa*) *trifolii*. – Synonymized with *Zenillia*, subg. *Spongosia*, *occlusa* (= *C. obliquata*) by Pandellé 1895: 343.

(871) *Plagia setosa* n. sp. (= *Hyleorus elatus*) ex *Porthesia auriflua* (= *Euproctis similis*). 13 flies from one host. – Synonymized with *Zenillia*, subg. *Spongosia*, *elata* (= *H. elatus*) by Pandellé 1895: 345.

(872) p. 22: *Degeeria flavifrons* n. sp. (= *Bessa selecta*) ex *Blennocampa rosarum* (= *Pareophora plana*). – The host is wrongly cited by Baer 1921: 160 (reprint p. 126), as *Monophadnus pallescens* (syn. *B. rosarum* Konow, not sensu Brischke).

(873) – – ex *Nematus cheilon* (= *Pristiphora geniculata*).

(874) – – (prb. misid. = prb. *Bessa parallela*) ex *Tortrix vitana* (= *Sparganothis pilleriana*), Karlsruhe (Baden, D). – The host is wrongly synonymized with *Acalla* (= *Acleris*) *cristana* (syn.: *vittana* Stephens) by Bezzi 1907: 300 [and by Herting 1960: 44].

Locality: Danzig or East Prussia, unless otherwise stated.

Haase 1885

(875) p. 252: Undetermined Dipteran species (attached eggs and endoparasitic larva observed) in *Iulus fallax* (*Diplopoda*), Zuckmantel (= Zlaté Hory, Silesia, CZ). – A. C. Pont has informed me that, according to the given data and figures, the species is the parasitic Muscidae *Eginia ocypterata*.

Horváth 1885

Parasitic Diptera reared from Hemiptera by G. Pungur, Hungary.

(876) p. 238: Undetermined puparium (= prb. Phasiinae sp.) ex *Acanthosoma haemorrhoidale*. The adult was not obtained.

(877) p. 239: *Leucostoma simplex* ex *Nabis lativentris* (= *N. myrmecoides*).

STEIN 1885

(878) p. 309: *Macquartia* sp. (prb. misid. = prb. *Cleonice calllida*) ex *Lina* (= *Melasoma*) *tremulae*. – The description of the puparium (two protruding hind spiracles) fits with *Cleonice*, not with *Macquartia*. The record has been wrongly referred to *Macquartia praefica* by BEZZI 1907: 407, who had overlooked the letters 'sp.' in BRAUER & BERGENSTAMM 1894: 560 in the line following *M. praefica*.

BELING 1886

(879) p. 178: *Siphona cristata* (prb. misid. = prb. *Siphona geniculata*) ex *Tipula gigantea* (= *T. maxima*), Harz mts. (Germany), 10 specimens from 3 or 4 host larvae.

BUCKLER 1886

The tachinid records in this volume I, p. 199, have been published already by MEADE, see nos. 712, 741.

MEINERT 1886

(880) p. 191: Tachinid larvae (= *Cleonice callida*) in *Lina* (= *Melasoma*) *populi*. – The larvae preserved in ZMUC were studied by NIELSEN 1909: 24 (footnote) and identified as *Steiniella* (= *Cleonice*) *callida*.

MIK 1886

(881) p. 203: *Exorista excavata* (prb. misid. = prb. *Carcelia lucorum*) ex *Arctia villica*. The fly has been collected in the field, the host larva has been identified from its hairs which were sticking in the ptilinal suture of the fly. – BEZZI 1907: 235 (with reference to MIK), has wrongly synonymized *E. excavata* with *Carcelia* (= *Senometopia*) *excisa*. The true *excavata* is *Carcelia gnava*.

NEUHAUS 1886

(882) p. 166: *Echinomyia praeceps* (misid. = prb. *Tachina magnicornis*) ex *Noctua piniperda* (= *Panolis flammea*).

(883) p. 183: *Masicera aurulenta* (prb. misid. = prb. *Drino inconspicua* or *D. gilva*) ex *Lophyrus* (= *Diprion*) *pini*.

Locality: Mark Brandenburg (D).

WACHTL 1886

(884)* p. 307: *Phorostoma parvula* (= *Billaea irrorata*) ex galls of *Saperda populnea*, Galicia (= SW Poland) and Moravia. – UBKW: Bestwin (near Bielsko-Biała), 18.5.[18]74. TLMF: Znaim (= Znojmo), 30.6.[18]83.

(885)* *Masicera agilis* (= prb. *Blondelia piniariae*) ex pupae of *Bupalus piniarius*, Moravia, numerous. – TLMF, UBKW: Bisenz (= Bzenec), April–May 1885.

(886)* *Exorista flavicans* (misid. = *Senometopia pollinosa*) ex pupae of *Bupalus piniarius*, Moravia, several specimens. – UBKW: Bisenz (= Bzenec), May 1885. *E. flavicans* sensu authors is *S. confundens*.

(887)* *Nemorilla notabilis* (= *Nemorilla floralis*) ex *Aspis* (= *Epiblema*) *uddmanniana*, Austria sup. – UBKW: 2 ♂♂, Braunau (am Inn), July [18]82.

(888)* *Nemorilla maculosa* ex *Tortrix* (= *Choristoneura*) *murinana*, Austria inf. – UBKW: 1 ♀, Baden, 1.7.[18]77.

BEUTHIN 1887

Locality: NW Germany, vicinity of Hamburg.

(889) p. 79: *Frontina laeta* ex pupa *Smerinthus ocellatus*, SAUBER. – See no. 907.

(890) *F. pacta* (= *Zaira cinerea*) ex *Carabus hortensis*, KOLTZE. – See no. 908.

(891) p. 80: *Exorista fimbriata* (misid. = prb. *Eumea linearicornis* or *E. mitis*) ex *Tortrix* "*rosea*" (= *Archips rosana*), SAUBER. – The parasite is wrongly synonymized with *Zenillia* (= *Paratryphera*) *barbatula*, and the host wrongly interpreted as *Cochylis roseana* Haw. by BEZZI 1907: 277 (with reference to BEUTHIN on p. 278). In the list of Microlepidoptera of the Nieder-Elbe area (SAUBER 1875), *Tortrix rosana* L. is recorded on p. 153, whereas *roseana* Haw. is not mentioned, neither under *Tortrix*, nor in the genus *Cochylis* on p. 154. KRÖBER 1910: 61, has wrongly cited the host as *Thalpochares* (= *Eublemma*) *rosea*, but this noctuid does not occur in Germany.

(892) *Exorista polychaeta* (= *Huebneria affinis* or misid.) ex *Orgyia gonostigma* (= *O. recens*), SAUBER.

(893) *Exorista hortulana* (prb. misid. = ?*Epicampocera succincta*) ex *Pieris brassicae*, SAUBER.

BUCKLER 1887

The five tachinid records in this volume II, pp. 167–169, have been published already by MEADE 1879a, 1881, 1882, see nos. 694, 695, 715, 717, 746, 747.

GREEVEN 1887

(894) p. 57: 'Udji' (= *Blepharipa sericariae*) parasite of 'Seidenraupe' (= *Bombyx mori*), Japan. pp. 59–63: Oviposition on leaves of the food-plant, description of egg, larva hatches only in the midgut of the host, not outside under various experimental conditions. – Independent of SASAKI and possibly prior to him, GREEVEN discovered the peculiar life-history of micro-oviparous Tachinidae. He published a preliminary short note on it in the "Japan Times" of 4th May 1878 (not seen by me, but cited by SASAKI 1887: 2).

SASAKI 1887

(895) *Ugimyia sericariae* (= *Blepharipa sericariae*) parasite of *Bombyx mori*, Japan. A careful study of morphology, anatomy and life-history, 80 figures. – The species is very close to the European *B. schineri*. It has been wrongly synonymized with *Blepharipoda* (= *Blepharipa*) *zebina* by MESNIL 1950: 145.

(896) p. 38: – – ex kuwako (= *Bombyx mandarina*).

(897) – – ex *Laurion atratus* (= *Pidorus glaucopis*). [Host unlikely, see SHIMA 1999: 46.]

LUCAS 1888

(898) *Myobia pumila* (misid. = *Meigenia* sp., ?*M. simplex*) parasite of *Crioceris asparagi*, Calvados (France), common. Biology, puparium.

(899) – – of *C.* (= *Lilioceris*) *merdigera*, reference to LUCAS 1881: XCVIII. – In this earlier observation, "coques d'un brun foncé" were found, but not identified as puparia of a tachinid. Locality: Chambourcy.

MEINERT 1888

(900) p. 116: *Tachina pacta* (= *Zaira cinerea*) parasite of adult *Carabus clathratus*, Jylland (Denmark), ENGELHART. Two flies emerging from puparia inside the host were trapped between the elytra and the last abdominal segment of the pinned beetle.

RÖDER 1888

(901) p. 221: *Exorista nemea* (= *Phryxe nemea*) ex *Thyatira batis*.

SIEBECK 1888

(902) p. 218: *Gonia foersteri* found in places where *Arctia caja* was common. – Cited by BEZZI 1907: 364, with ? as a host record. Not ascertained by rearing.

[STEIN 1888, see TSCHORSNIG 2017]

BRAUER & BERGENSTAMM 1889

*Specimens in NHMW.

(903) p. 134: *Chaetolya setigena* (= *Chaetina setigena*) ex *Athroolopha chrysitaria*, Sicily. – Wrongly placed in the genus

Carcelia in the THOMPSON catalogue (genus names *Chaetolya* and *Chaetolyga* confounded).

(904)* p. 165: *Diplostichus tenthredinum* n. sp. (= *Diplostichus janitrix*) ex *Lophyrus* sp. (= *Diprion* sp.) [see also HERTING 1974b: 142, = *Diprion pini* and *D. similis* after BRAUER & BERGENSTAMM 1894: 551].

(905)* p. 166: *Admontia podomyia* (misid. = *Admontia grandicornis*, rev. HPT) ex *Tipula* (= tipulid) *larvae*, SCHUMMEL, Silesia. – Wrongly synonymized with *A. amica* by BEZZI 1907: 393.

BUCKLER 1889

Of the seven tachinid records in this vol. III, pp. 77–79, six were published already by MEADE and BIGNELL, see nos. 745, 734, 736, 738, 725, 726. One original record:

(906) p. 78: *Exorista vulgaris* (= *Phryxe vulgaris* or misid.) ex *Clisiocampa* (= *Malacosoma*) *neustria*, NORGATE.

GERCKE 1889

Details of two host records already listed by BEUTHIN 1887 (nos. 889, 890).

(907) p. 221: *Frontina laeta* ex *Smerinthus ocellatus*, SAUBER.

(908) *F. pacta* (= *Zaira cinerea*) ex *Carabus gemmatus* (= *C. hortensis*).

WACHTL 1889

*Specimens in TLMF.

(909)* p. 57: *Thryptocera evonymellae* (= *Eurysthaea scutellaris*) ex pupae of *Hyponomeuta padella* (Austria inf. = Lower Austria), (910)* *H. evonymella* (Austria inf.), and (911)* *H. rorella* (Hungary).

[ALTUM 1890, see TSCHORSNIG 2017]

KUHLMANN 1890

(912) p. 74: Numerous tachinids (= prb. *Masicera pavoniae*) ex (*Saturnia*) *pyri*, hosts collected in Dalmatia and kept over winter outdoors at Frankfurt/Main.

MAYET 1890

(913) p. 259: *Echinomyia prompta* (misid. = *Peleteria rubescens*) ex *Agrotis exclamationis*, Languedoc (S France), common. – The eggs glued on the host skin do not belong to this species, but probably to *Exorista larvarum*.

MEINERT 1890(a+b)

Two almost identical publications: a in Danish, b in English.

(914) *Ugimyia sericariae* (= *Blepharipa sericariae*) in *Bombyx mori*, parasitized specimens sent from Japan. In 1890a 10 figures on 2nd and 3rd larval stages, anterior and posterior spiracles. – The biological data are partly erroneous: The respiratory funnel is not "a portion of the tracheal system of the silkworm tinged brown by the excrement of the parasite". The number of larval stages is three, not four.

(915) 1890a, p. 177: Undetermined tachinid larva, in 1890b, p. 111 tentatively det. as *Tachina pacta* (= *Zaira cinerea*, prb. correct) in the abdomen of *Carabus* (in a) *nemoralis*, (in b) *hortensis*. Respiratory funnel on a tracheal stem of the host. Locality: prb. Denmark. – The *Carabus*-species is cited in the Danish and the English text with different names which are not synonyms.

MIK 1890

(916) p. 312: *Crossocosmia sericariae* (= *Blepharipa sericariae*) parasite of *Bombyx mori* in Japan. Description of the adult.

PABST 1890a[+b]

(917) p. 137, footnote: Numerous tachinids (= prb. *Drino atropivora*) ex *Acherontia atropos*, Dalmatia. Majority of collected hosts parasitized. [Also mentioned in PABST 1890b.]

PERAGALLO 1890

(918) p. 39: *Blepharipa scutellata* (= *Blepharipa pratensis*) ex *Sericaria* (= *Lymantria*) *dispar*, food-plant *Schinus molle*, in a garden at Nice (Côte d'Azur, F), 60 % of the hosts parasitized.

SAJÓ 1890

(919) p. 256: A parasitic larva, similar to the larva of *Gymnosoma rotundata* as figured by KÜNCKEL D'HERCULAIS 1879, was found in the body of *Stauronotus* (= *Dociostaurus*) *maroccanus* in Hungary. The adult was not reared. – It was probably a *Blaesoxipha* sp. (Sarcophagidae).

BEZZI 1891

(920) p. 74: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Hepialus humuli*, and (921) *Liparis* (= *Lymantria*) *dispar*. – Locality: Provincia di Padua (Italy).

BILLUPS 1891a, b, c

Localities in Britain. All these records have also been published by MEADE (1891, 1892), who determined the tachinid species.

(922) pp. 22, 60, 164: *Masicera sylvatica* (misid. = *Masicera pavoniae*) ex *Saturnia carpini* (= *S. pavonia*), FENN. – A specimen of this rearing in the Tring Museum has been identified by WAINWRIGHT 1932, 407, as a male of *M. pratensis* (= *M. pavoniae*).

(923) – – (prb. misid. = prb. *M. pavoniae*) ex *Pieris brassicae*, WINKLEY. – This specimen is also preserved in the Tring Museum, it is a female and was tentatively determined by WAINWRIGHT (l. c.) as *M. silvatica*. As far as we know, *M. silvatica* and *M. sphingivora* do not exist in Britain[, and *M. pavoniae* neither].

(924) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Vanessa* (= *Aglais*) *urticae*, FROHAWK and WINKLEY.

(925) *Trixa variegata* (= *Trixa conspersa*) ex *Cheimatobia boreata* (= *Operophthera fagata*), SOUTH. – Very unlikely. *Trixa* is a parasite of hepialid larvae.

(926)* pp. 60, 164: *Nemoraea notabilis* (= *Nemorilla floralis*) ex *Plusia festucae*, WELLMAN.

(927) *Tachina tibialis* (= *Pelatachina tibialis*) ex *Vanessa* (= *Aglais*) *urticae*, FROHAWK.

(928) p. 164: *Chaetolyga nigrithorax* (misid. = prb. *Winthemia quadripustulata*) [prb. too speculative because *W. quadripustulata* was never obtained with certainty from the commonly reared *Saturnia*] ex *Saturnia carpini* (= *S. pavonia*), FENN, 3 ♀♀. – *Winthemia variegata* (syn.: *nigrithorax*) is excluded by the abdominal chetotaxy described by MEADE 1891: 264, who had obtained a specimen from this rearing. MESNIL 1949: 96 has wrongly synonymized *nigrithorax* with *Winthemia venusta*, and wrongly cited this host record under that species (p. 98).

(929) *Plagia curvinervis* (= *Athrycia curvinervis*, or misid.) ex *Paedisca* (= *Epinotia*) *sordidana*, ADKIN. – Host unlikely.

(930) *Hypostena medorina* (= *Medina luctuosa*, or misid.) ex *Paedisca* (= *Epinotia*) *sordidana*, ADKIN, 1 ♀. – Host wrong. *Medina* spp. are parasites of adult Coleoptera.

BRAUER & BERGENSTAMM 1891

*Specimens in NHMW. Coll. BERGENSTAMM (BGST.), ROGENHOFER (RGH.), R. v. STEIN (R.v.ST.).

(931)* p. 323: *Parexorista glirina* (misid. = *Phebellia glauca*) ex *Acronicta tridens*, R.v.ST.

(932)* p. 326: *Parexorista clavellariae* n. sp. (= *Phebellia clavellariae*) ex *Clavellaria amerinae*, R.v.ST. [See also HERTING 1961, 1974b.]

(933)* – – ex *Cimbex variabilis* (= Cimbicidae sp.). – Not bred by R.v.ST., inexact determination of host?

(934)* p. 327: *Parexorista magnicornis* (= *Eumea linearicornis*) ex *Cucullia ceramanthea* (= *C. prenanthis*). – Wrongly synonymized with *Zenillia* (= *Eumea*) *mitis* in the THOMPSON catalogue.

(935)* p. 329: *Catachaeta depressariae* n. sp. (= *Phryxe nemea*) [see HERTING 1974b: 136] ex *Depressaria heydenii*, KREITHNER, Schneeberg.

(936)* *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Abraxas grossulariata*, BGST. – Bred by R.v.ST. see BRAUER & BERGENSTAMM 1894: 545.

(937)* – – ex *Thyatira batis*, ROSSI. = no. 306.

(938)* p. 332: *Myxexorista roseanae* n. sp. (= *Pseudoperichaeta nigrolineata*) [see HERTING 1974b: 141] ex *Tortrix roseana* (= *Cochylis roseana* Haworth or *Archips rosana* Hübner, misspelled), BGST. – The host is cited by BRAUER & BERGENSTAMM 1894: 564 and 609, as *T. roseana* Hb. (= Hübner).

(939)* p. 333: *Prosopaea abbreviata* (= *Periarchiclops scutellaris*) ex *Noctua euphrasiae* (= *Acronicta euphorbiae*).

(940)* p. 338: *Ceratochaeta secunda* n. sp. (= *Phryxe caudata*) [see HERTING 1974b: 142] ex *Gastropacha* (= *Thaumetopoea*) *pityocampa*, KOLLAR.

(941)* p. 343: *Xylotachina ligniperdae* n. sp. (= *Xylotachina diluta*) [see HERTING 1974b: 139] ex *Cossus ligniperda* (= *C. cossus*), RGH.

(942)* p. 344: *Argyrophylax galii* n. sp. (= *Drino galii*) ex *Sphinx* (= *Celerio*) *galii*, BGST. – Wrongly synonymized with *Drino vicina* (*Erycia gyrovaga*) by BAER 1921: 158 (reprint p. 124) and subsequent authors including HERTING 1960: 79. Corrected by HERTING 1961: 6.

(943)* *A. cursitans* (= *Drino inconspicua*) ex *Lophyrus rufus* (= *Neodiprion sertifer*), R.v.ST.

(944)* p. 384: *Sesiophaga glirina* (= *Bithia glirina*) ex *Sesia* spp. (= Sesiidae), RGH. – The exact host species of this rearing are cited by BRAUER & BERGENSTAMM 1894 (see nos. 1282, 1283).

BUCKLER 1891

The tachinid records in this vol. IV, pp. 114–115, have been published already by MEADE, see nos. 729, 739, 733, 727, 728, 718, 742.

HENSCHEL 1891

(945) p. 10, footnote: *Parasetigena segregata*, det. BRAUER (= *Parasetigena silvestris*) common parasite of "Nonne" (*Lymantria monacha*), Northern Austria and Bohemia.

MEADE 1891

The records published already in preceding papers by MEADE 1879–1882 and by BILLUPS 1891a, b, c are omitted in the following abstract.

(946) p. 91: *Micropalpus vulpinus* (= *Linnaemyia vulpina*) ex *Sphecia bembeciformis*, NORGATE. – Questionable.

(947)* p. 126: *Siphona cristata* (misid. = *Siphona variata*, revised by S. ANDERSEN) ex *Leucania littoralis* (= *Mythimna litoralis*), BIGNELL.

(948) p. 329: *Exorista gnava* (= *Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*, also bred by DALE. The character "arista thickened along half its length" is mentioned in the description.

(949) *Exorista cheloniae* (= *Carcelia lucorum*) ex *Arctia lubricipeda* (= *Spilosoma lutea*), INCHBALD. – The breeding of the same parasite species from *Arctia caja* (INCHBALD 1883, see no. 792) is also cited here.

WACHTL 1891

Ex *Psilura* (= *Lymantria*) *monacha*, no details, pp. 169–170: (950) *Masicera bimaculata* (= *Drino inconspicua*), (951) *Tachina larvarum* (= *Exorista larvarum*), and (952) *T. nympharum* (misid. = *E. larvarum*). – Specimens determined as *T. nympharum* in coll. WACHTL (UBKW) are small individuals of *E. larvarum*.

BEZZI 1892

Ex *Vanessa* (= *Inachis*) *io*, Pavia prov. (Italy), p. 127: (953) *Masicera pupiphaga* (= *Sturmia bella*), and (954) *Phorocera concinnata* (= *Compsilura concinnata*).

MARINI 1892

(955) pp. 241–244: 7 flies, tentatively det. as *Senometopia pumicata* (misid., identity unknown) emerged from puparia in one silk worm (*Bombyx mori*) cocoon, Campli (prov. Teramo, Italy).

MEADE 1892

The records published already in preceding papers by MEADE 1879–1882 and by BILLUPS 1891a, b, c and cited here again are omitted in the following abstract.

(956) p. 17: *Exorista fauna* (misid. = prb. *Xylotachina diluta*) ex *Cossus ligniperda* (= *C. cossus*), also bred by DALE. – Previously bred by BIGNELL, see the comment on the identity of the species under no. 746. *Exorista fauna* sensu auct. (= *Nilea innoxia*) does not exist in Britain.

(957) p. 18: *Exorista acronyctarum* (= *Nilea hortulana*) ex *Acronicta alni* and/or *A. psi*, MOSLEY, PORRITT, FITCH, BRIDGMAN, and others.

(958) *E. ruficauda* (= *Lypha ruficauda*) ex *Ypsipetes* (= *Hydriomena*) *impluviata*, FITCH.

(959) p. 19: *Exorista lota* (misid. = *Nilea hortulana*) ex *Acronicta tridens*, also bred by FITCH. – The characters used by MEADE to separate the alleged species *acronyctarum*, *lota*, and *noctuicida* are individual variation in *N. hortulana*.

(960) *Exorista grandis* ex *Saturnia carpini* (= *S. pavonia*), also bred by DALE.

(961) p. 20: *E. noctuicida* (= *Nilea hortulana*) ex *Acronicta tridens*, FITCH.

(962) p. 37: *Tachina noctuarum* (= *Exorista larvarum*) ex *Odonestis* (= *Philudoria*) *potatoria*. – The facial bristles not reaching the descending frontals are mentioned in the description.

(963) *Tachina latifrons* (= *Exorista fasciata*) ex *Zygaena filipendulae*, BIGNELL. – The characters separating this species from the preceding one are correctly stated. Recorded by MEADE 1879a (no. 694), as *Tachina larvarum*.

(964) – – ex *Liparis* (= *Euproctis*) *chrysorrhoea*, FITCH.

(965) to nos. 963 and 964: *Tachina latifrons* Rondani has not been synonymized by BEZZI 1907: 337, and BAER 1921. It is wrongly cited as *Euthryptocera latifrons* (= *Goniocera versicolor*, Syn: *Tachina latifrons* Meigen) with the above two hosts in the THOMPSON catalogue.

(966) p. 75: *Brachycoma smerinthi* n. sp. (= *Billaea irrorata*) ex *Smerinthus populi*, NORGATE. – Wrong host, see WAINWRIGHT 1938: 182. The host was *Saperda populnea*. MEADE has misunderstood the label (unclear writing, genus name abbreviated to initial letter).

(967) p. 210: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Abraxas grossulariata*, SAUNDERS.

(968) – – ex *Acronicta tridens*, BIGNELL.

BEZZI 1893

(969) p. 93 [reprint pagination]: *Masicera sylvatica* (prb. misid. = prb. *M. pavoniae*) ex *Saturnia pyri*, BERTOLINI, Trento (I).

BOUVIER & DELACROIX 1893

(970) p. 246: *Doria meditabunda* (= *Compsilura concinnata*) ex *Bombyx mori*. The adult flies could not escape from the cocoon of the host.

(971) – – common parasite of *Acronicta psi*. Locality: France.

BUCKLER 1893

The three tachinid records in this vol. V, p. 89, have been published already by MEADE, see nos. 743, 720, 730.

ECKSTEIN 1893

Ex *Lophyrus* (= *Diprion*) *pini*, p. 639: (972) *Phorocera assimilis* (misid. = prb. *Diplostichus janitrix* ♂), (973) *Exorista vulgaris* (misid. = prb. *Diplostichus janitrix* ♀), (974) *Plagia ruralis* (= *Voria ruralis*, or misid.) (very unlikely; *V. ruralis* is a parasite of Noctuidae), (975) *Masicera* sp. (misid. = prb. *Drino inconspicua*), and (976) *Tachina* sp. (misid. = ?*Blondelia inclusa*).

FALLOU 1893

(977) p. 84: *Tachina mimula* (misid. or host wrong, identity unknown) ex *Psyche atra* Esp. (= *Oreopsyche angustella*), Auvergne, mountainous regions, HENNEGUY. – *Exorista mimula* is a parasite of Tenthredinidae. The drawing of the fly in fig. 6 on p. 81 is inexact, the species unrecognizable.

GIARD 1893a

(978) p. CCXIV: *Thryptocera lithobii* n. sp. (= *Eloceria delecta*) ex *Lithobius* sp. [cited also by GIARD 1893b].

GOLD 1893

(979) p. 302: *Masicera silvatica* (misid. = *Parasetigena silvestris*, figures of ♂♀) common parasite of *Psilura* (= *Lymantria*) *monacha*, NE Bohemia (CZ).

(980) p. 303: *Tachina rustica* (misid. = prb. *Exorista larvarum*) ex *P.* (= *L.*) *monacha*, Belohrad (CZ).

LANG 1893

(981) p. 10: Tachinid indet. (= prb. *Myxexoristops abietis*) parasite of *Lyda hypotrophica* (= *Cephalcia abietis*), up to 6 %, Fichtelgebirge (N Bavaria).

POKORNY 1893

(982)* p. 5: *Parastauferia alpina* (= *Hyalurgus cruciger*, in NHMW) ex Tenthredinidae larvae (on label: green sawfly larvae on *Larix*), L. v. HEYDEN, Pontresina (Engadin, CH).

STROBL 1893

(983) p. 90: *Sturmia cursitans* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, SCHMIDT-GÖBEL, Lemberg (= Lwow, now W Ukraine).

WACHTL & KORNAUTH 1893

(984) p. 15: *Duponchelia segregata* (= *Parasetigena silvestris*) important parasite of *Psilura* (= *Lymantria*) *monacha*, Moravia. Pl. II, figs. 4, 5: Eggs glued on the skin of the host.

BILLUPS 1894

(985) p. 136: *Degeeria pulchella* (misid. = *Elodia morio*) ex *Peronea* (= *Acleris*) *maccana*, ADKIN. – The specimen is preserved in the MEADE collection and has been identified as *Pentamyia tragica* (= *Elodia morio*) by WAINWRIGHT 1938: 157. The true *D. pulchella* Meigen is *Admontia blanda*, but BEZZI 1907: 399, has wrongly synonymized it with *D.* (= *Medina*) *luctuosa* and wrongly cited the host under that species.

BOAS 1894

(986) p. 132: *Dexia rustica* ex *Melolontha vulgaris* (= *M. melolontha*), Denmark. Figs. 1–2: 3rd stage larva. Fig. 3: mouthhook. Fig. 4: hind spiracles and spine belts. Fig. 5: fore spiracle. Fig. 6: arrangement of spines on the last segment.

BRAUER & BERGENSTAMM 1894

A catalogue of parasitic Diptera Calyptrata and their hosts. Records quoted from literature are marked by a dagger, they are omitted here except in case of misquotation. Original records (parasite determined by BRAUER & BERGENSTAMM) are printed in bold type, these are included in the following abstract as far as Palearctic Tachinidae are concerned and the record is not published by BRAUER & BERGENSTAMM already in 1889 (nos. 903–905) or 1891 (nos. 931–944).

Abbreviations: Coll. BERGENSTAMM (= BGST.) or ROGENHOFER (= RGH.), various localities, or reared by R. v. STEIN, Chodova, NW Bohemia (= R.V.ST.). The specimens preserved in NHMW have been redetermined and published by me (HERTING 1960), but some problematic cases have been revised recently again by H.P. TSCHORSNIG (= rev. HPT) or myself.

(987)* p. 542: *Ammobia glabriventris* (misid. = *Exorista fasciata*) ex *Parnassius apollo*, RGH. The true *A.* (*Deuterammobia*) *glabriventris* is *Chaetogena acuminata*.

(988)* p. 543: *Argyrophylax atropivora* (= *Drino atropivora*) ex *Acherontia atropos*, RGH. and BGST. (on labels: KOLLAR, Wien, and MANN, Dalmatia).

(989)* *Argyrophylax bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pallidus*, R.V.ST.

(990) – – ex *L.* (= *D.*) *pini*, BGST.

(991)* – – ex *L. rufus* (= *Neodiprion sertifer*), HENSCHEL, Galicia (= SW Poland), and R.V.ST.

(992)* – – ex *L.* (= *Diprion*) *socius*, RGH., Brühl (near Wien).

(993)* – – ex *L.* (= *D.*) *variegatus* (prb. misid. = prb. *D. frutetorum*), RGH. [= R.V.ST. in HERTING 1960: 80].

(994)* – – ex *L.* (= *D.*) *virens*, R.V.ST.

(995)* *Argyrophylax galii* (= *Drino galii*) ex *Sphinx* (= *Celerio*) *galii*, also in coll. RGH.

(996)* *Argyrophylax gilva* (= *Drino gilva*) ex *Lophyrus* (= *Diprion*) *pallidus*, R.V.ST.

(997)* – – ex *L.* (= *D.*) *pini*, RGH. (on label: Holland).

(998) – – ex *L. rufus* (= *Neodiprion sertifer*), NITSCHE, Tharandt (Sachsen, D).

(999) – – ex *L.* (= *Diprion*) *variegatus* (prb. misid. = prb. *D. frutetorum*), R.V.ST.

(1000)* – – (misid. = *Drino inconspicua*) ex *Ocneria* (= *Lymantria*) *dispar*, SCHLERETH (Wien).

(1001)* – – (misid. = *D. inconspicua*) ex *Stauropus fagi*, RGH. (on label: Wien).

(1002)* p. 544: *Argyrophylax pupiphaga* (= *Sturmia bella*) ex *Vanessa* (= *Nymphalis*) *antiopa* (BGST.), (1003)* *Vanessa atalanta* (RGH.), (1004)*. (= *Inachis*) *io* (BGST.), (1005)* *V.* (= *Aglais*) *urticae*, BGST., and (1006)* *V. ichnusa* (= *Aglais urticae* subsp. *ichnusa*) (MANN, Corsica).

(1007) *Atropidomyia parvula* (= *Billaea irrorata*) ex *Saperda populnea*, BGST.

(1008) *Bactromyia scutelligera* (= *Bactromyia aurulenta*) ex *Hyponomeuta variabilis* (= *H. padella*), RGH.

(1009) *Bigonichaeta spinipennis* (= *Triarthria setipennis*) ex *Panolis piniperda* (= *P. flammea*), RGH. – Host prb. wrong, prb. a *Forficula*.

(1010) p. 545: – – ex *Bombyx* (= *Lasiocampa*) *quercus*, RGH. – Host prb. wrong, prb. a *Forficula*.

(1011)* *Blepharidea vulgaris* (misid. = *Huebneria affinis*) ex *Arctia hebe*, RGH.

(1012)* – – (– = –) ex *Arctia* (= *Parasemia*) *plantaginis*, BGST.

(1013)* – – (= *Phryxe vulgaris*) ex *Argynnis lathonia*, R.V.ST.

(1014)* – – (misid. = *Phryxe nemea*) ex *Brotolomia* (= *Phlogophora*) *meticulosa*, RGH.

(1015) – – (= *Phryxe vulgaris*) ex *Cucullia anthemidis* (= *C. dracunculi*), BGST. – Host name perhaps incorrectly cited. The only *Phryxe vulgaris* ex *Cucullia* that I have seen in coll. BGST was bred from *C. abrotani* (= *C. artemisiae*).

(1016)* – – (misid. = *Phryxe nemea*) ex *Geometra* (= *Abraxas*) *grossulariata*, Bgst.

(1017)* – – (– = –) ex *Hybernia* (= *Erannis*) *defoliaria*, Bgst.

(1018)* – – (– = –) ex *Naenia typica*, Schummel (on label: Winthem).

(1019) – – ex *Mamestra typica* (= *Heliophobus reticulata*), Rgh. – Not present in the collection, possibly a wrong citation of the preceding record?

(1020)* – – (= *Phryxe vulgaris*) ex *Neuronia* (= *Tholera*) *cespitis*, R.v.St.

(1021)* – – ex *Pieris brassicae*, R.v.St.

(1022)* – – ex *P. daplidice*, Rgh.

(1023)* – – (misid. = *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, v. Heyden.

(1024)* – – (= *Phryxe vulgaris*) ex *Sphinx* (= *Deilephila*) *porcellus*, Rgh.

(1025)* – – ex *Vanessa* (= *Nymphalis*) *antiopa*, Bgst. [= R.v.St. in Herting 1960: 72].

(1026)* – – ex *V.* (= *Araschnia*) *levana*, Rgh. [= R.v.St. in Herting 1960: 72].

(1027)* – – ex *V.* (= *Aglais*) *urticae*, Rgh.

(1028)* – – ex *V.* (= *Nymphalis*) *xanthomelas*, Rgh.

(1029)* – – (misid. = *Phryxe prima*) ex *Zygaena filipendulae*, Rgh. (Steyr).

(1030)* *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Habryntis* (= *Phlogophora*) *scita* (Rgh.), and (1031)* *Thyatira batis* (Rgh.).

(1032)* p. 546: *Blepharipoda scutellata* (misid. = *Sturmia bella*) ex *Vanessa* (= *Nymphalis*) *antiopa*, Rgh.

(1033)* *Bothria pascuorum* (= *Bothria frontosa*) ex *Mesogona acetosellae*, Rgh.

(1034)* p. 547: *Ceratochaeta prima* (= *Phryxe prima*) ex *Psyche viciella*, Bgst. – Host questionable.

(1035)* *Ceratochaeta secunda* (= *Phryxe caudata*) ex *Cnethocampa* (*Thaumetopoea*) *pityocampa*, Bgst, Rgh.

(1036)* *Chaetolyga analis* (= *Winthemia quadripustulata*) ex *Cucullia asteris*, Rgh. (on label: Winthem).

(1037)* – – ex *Cucullia umbratica*, R.v.St.

(1038) – – ex *Thais* (= *Zerynthia*) *polyxena*, Mann.

(1039) to nos. 1036–1038: Mesnil 1949: 88 has wrongly synonymized *C. analis* with *Winthemia crassicornis* (= *W. rufiventris*), and wrongly cited the hosts *Cucullia asteris*, *C. umbratica* and *Thais* (= *Zerynthia*) *polyxena* under that species.

(1040)* *Chaetolyga quadripustulata* (= *Winthemia quadripustulata*) ex *Argynnis aglaja*, R.v.St.

(1041)* – – ex *Cucullia prenanthis*, Rgh.

(1042)* – – ex *C. verbasci*, Rgh.

(1043)* – – ex *Mamestra pisi*, R.v.St.

(1044) – – ex *Saturnia spini*, Z. K. M. III, 78 (= Brauer 1883a, see no. 788). – Misquotation from Zetterstedt 1844. The host was *Saturnia carpini* (= *S. pavonia*), the parasite possibly *W. cruentata*, see no. 253.

(1045)* – – (misid. = *Winthemia cruentata*) ex *Sphinx ligustri*, Rgh. (on label: Winthem).

(1046)* *Chaetolyga xanthogastra* forma *cruentata* (misid. = *Winthemia rufiventris*, 1 ♀, rev. HPT) ex *Saturnia pyri*, Damianitsch. – Cited by Bezzi 1907: 230, under *Winthemia cruentata*. Misid. by Herting 1960: 66, as *W. cruentata*.

(1047)* *C. xanthogastra* (= *Winthemia rufiventris*, 1 ♂ no locality or date) ex *Catocala sponsa*, Rgh. – Misid. by Herting 1960: 66, as *W. cruentata*.

(1048)* – – (misid. = *Winthemia bohemani*) ex *Smerinthus ocellatus*, Rgh. – Two different breedings: N. Oestr. (= Lower Austria), VII.1887, Neuhaus, and Manhartsberg, Siebeck.

(1049)* – – (= *Winthemia rufiventris*, rev. HPT) ex *Smerinthus populi*, Rgh. Misid. by Herting 1960: 66, as *W. cruentata*.

(1050)* – – (misid. = *Winthemia cruentata*) ex *Sphinx ligustri*, Rgh.

(1051)* – – (misid. = *Winthemia variegata*) ex *Asteroscopus cassinea* (= *Brachyonycha sphinx*), Rgh. (on label: host collected VII.1839, flies emerged 20.IV.1840).

(1052) to nos. 1046–1051: The true *xanthogastra* is *W. rufiventris*. Mesnil 1949: 87 has wrongly synonymized *C.* (= *W.*) *xanthogastra* with *W. bohemani*, and wrongly cited the hosts *Brachyonycha sphinx*, *Catocala sponsa*, *Smerinthus populi*, *Sphinx ligustri* and the following one (*Acronicta tridens*) under that species.

(1053)* *Chaetolyga* sp. (= *Winthemia quadripustulata*) ex *Acronicta tridens*, Rgh. (on label: Winthem). – Bezzi 1907: 233 has overlooked the 'sp.' in the text of Brauer & Bergenstamm and cited this record wrongly under *Winthemia xanthogastra*. See also the note no. 1052.

(1054)* – – (= – –) ex *Cucullia abrotani* (= *C. artemisiae*), Rgh.

(1055)* – – (= – –) ex *C. scrophulariae*, Rgh.

(1056)* p. 548: *Chaetotachina rustica* (= *Exorista rustica*) ex *Allantus notus* (= *Tenthredo arcuata*) [*Tenthredo notha* is a valid species, not a synonym of *T. arcuata*], R.v.St.

(1057)* – – ex *Tenthredopsis scutellaris* (= *T. palmata*) [*palmata* auct. sensu Herting 1960 (nec *palmata* Geoffroy = *nassata* Linnaeus)], R.v.St.

(1058)* – – ex *T. coqueberti*, R.v.St.

(1059) – – ex *Tenthredo scalaris* (= *Rhogogaster viridis*), R.v.St.

(1060)* – – (misid. = *Exorista mimula*, rev. HPT) ex *Nematus "flavicornis"* (on label: *flavicomus* = *Pristiphora pallidiventris*), R.v.St. – 1 ♂, Chodau 26.7.87. The host is wrongly synonymized with *Tenthredo flava* Poda by Bezzi 1907: 342, and with *Tenthredella flavicornis* Fabricius by Baer 1921: 359 (reprint p. 139). The parasite has been misid. as *Exorista rustica* by Herting 1960: 39.

(1061)* *Chrysosoma auratum* (= *Chrysocosmius auratus*) ex *Cidaria* (= *Horisme*) *tersata*, Rgh.

(1062)* *Cnephalia bisetosa* (= *Spallanzania hebes*) ex *Agrotis segetum*, Rgh.

(1063) – – ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, Rgh.

(1064)* pp. 550, 618: *Cyrtophlebia buccata* n. sp. (= *Cyrtophleba ruricola*) [1 ♂, see Herting 1974b: 136] ex *Caradrina taraxaci* (= *C. blanda*), Bgst.

(1065)* p. 550: *Cyrtophleba ruricola* ex *Euclidia glyphica* (Bgst.), (1066) *Euclidia mi* (Rgh.), (1067)* *Mamestra serena* (= *M. bicolorata*) (Rgh.), and (1068)* *Spintherops* (= *Apopestes*) *spectrum* (Rgh. [= Damianitsch in Herting 1960: 133]).

(1069)* *Cyrtophleba nigripalpis* (= *C. ruricola*) ex *S.* (= *A.*) *spectrum*, Rgh.

(1070) p. 551: *Dexia rustica* ex *Melolontha vulgaris* (= *M. melolontha*), Rgh.

(1071)* *Dexodes machairopsis* (= *Blondelia nigripes*) [misid. = *Blondelia pinivorae* Ratzeburg, see Bergström & Bystrowski 2011] ex *Cnethocampa* (= *Thaumetopoea*) *pinivora*, Nitsche, Tharandt (Sachsen, D).

(1072) – – ex *Cucullia asteris*, Rgh.

(1073)* – – ex *Eupithecia virgaureata*, Rgh.

(1074) – – (prb. misid. = prb. *Blondelia piniariae*) ex *Geometra piniaria* (= *Bupalus piniarius*), Nitsche, Tharandt (Sachsen, D).

(1075)* – – (= *Blondelia nigripes*) ex *Hadena* (= *Mamestra*) *pisi*, Rgh.

(1076)* – – ex *Heliothis scutosa*, Rgh.

(1077)* – – (misid. = *Blondelia inclusa*) ex *Lophyrus* (= *Diprion*) sp. (WINTHEM, Hamburg).

(1078)* – – (= *Blondelia nigripes*) ex *Plusia gamma*.

(1079)* – – ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, BGST.

(1080) – – ex *Sphinx* (= *Celerio*) *euphorbiae*.

(1081)* – – ex *Vanessa* (= *Aglais*) *urticae*.

(1082)* *Dexodes spectabilis* (misid. = *Blondelia nigripes*) ex *Ammoconia caecimacula*, BGST.

(1083)* – – (= *Oswaldia spectabilis*) ex *Sphinx* (= *Deilephila*) *porcellus*, RGH. – On label: Host collected 19.VII, parasite larvae pupated 22.VII, flies emerged after hibernation.

(1084) – – ex *Notodonta* (= *Pheosia*) *tremula*, RGH.

(1085) – – ex *N. trepida* (= *Peridea anceps*), RGH.

(1086)* *Diplostichus tenthredinum* (= *Diplostichus janitrix*) ex *Lophyrus* (= *Diprion*) *pini*, (RGH.), and (1087) *L.* (= *D.*) *similis*, (RGH.).

(1088)* *Diplostichus janitrix* ex L. (= *D.*) *similis*, R.V.ST.

(1089)* – – ex *L.* (= *D.*) *frutetorum*, R.V.ST.

(1090) p. 552: – – ex *L.* (= *D.*) *hercyniae*, R.V.ST. – Host questionable.

(1091)* – – ex *L.* (= *D.*) *pini*, R.V.ST.

(1092)* – – ex *L.* (= *D.*) *variegatus* (prb. misid. = prb. *D. frutetorum*), R.V.ST.

(1093)* – – ex *L.* (= *D.*) *virens*, R.V.ST. [rev. HPT].

(1094)* *Discochaeta cognata* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*, RGH.

(1095)* *Discochaeta incana* (= *Bactromyia aurulenta*) ex *Platypteryx unguicula* (= *Drepana cultraria*), RGH.

(1096) *Erigone radicum* (= *Eurithia anthophila*) ex *Notodonta camelina* (= *Ptilodon capucina*), WINTHEM.

(1097) – – with *rudis* Mg. in parentheses, ex *Panolis piniperda* (= *P. flammea*), reference to "Rdi. J. p." (= RONDANI 1872c: 332, *Platychira rudis* Mgn. ex *Trachea piniperda*). – The original record is the one of BOIE 1848 (no. 264), and the tachinid species is *Ernestia rudis* Fallén. RONDANI has cited it without reference (prb. from SCHINER 1862: 451), and *rudis* Meigen is a lapse in the author name. BRAUER & BERGENSTAMM 1893: 224 considered *rudis* sensu Meigen as a misidentification of *radicum* Fabricius (= *Eurithia anthophila*), but that is wrong at least in this case.

(1098)* – – (= *Eurithia anthophila*) ex *Spilosoma menthastri*, R.V.ST.

(1099)* *Eupogona setifacies* (= *Buquetia musca*) ex *Papilio machaon*, RGH.

(1100)* *Eurythia caesia* (misid. = *Eurithia fucosa*, rev. HPT) ex *Dianthoecia* (= *Hadena*) *caesia*, RGH.

(1101)* *Eutachina larvarum* (misid. = *Exorista fasciata*) ex *Bombyx* (= *Malacosoma*) *castrensis*, BGST.

(1102)* – – (misid. = *E. f.*) ex *Bombyx* (= *Macrothylacia*) *rubi*, RGH.

(1103)* – – (misid. = *E. f.*, rev. HPT) ex *Catocala fraxini*, R.V.ST.

(1104)* – – (= *Exorista larvarum*) ex *Cucullia ceramanthea* (= *C. prenanthis*), BGST.

(1105)* – – (misid. = *Exorista fasciata*, rev. HPT) ex *Dasychira fascelina*, RGH. – 1 ♂ from Ch. (= Chodova, R.V.ST.), 1 ♂ from Leiden (Holland).

(1106)* – – (misid. = *E. f.*) ex *Lasiocampa* (= *Dendrolimus*) *pini*, BGST.

(1107)* – – (= *Exorista larvarum*) ex *L.* (= *Philudoria*) *potatoria*, RGH.

(1108)* – – ex *L.* (= *Gastropacha*) *quercifolia*, RGH.

(1109)* – – ex *Leucoma salicis*, WACHTL (1 ♂, July 1875), R.V.ST. (4 ♂♂, 4 ♀♀, 26.VII.–12.VIII.1882).

(1110)* – – ex *Macroglossum stellatarum*, BGST.

(1111) p. 553: – – ex *Melitaea didyma*, RGH.

(1112) – – ex *Ocneria detrita*, RGH.

(1113)* – – (misid. = *Exorista fasciata*, rev. HPT) ex *Orgyia ericae*, RGH. (on label: WINTHEM). – Misid. as *Exorista larvarum* by HERTING 1960: 35.

(1114)* – – (= *Exorista larvarum*) ex *Orthosia* (= *Agrochola*) *humilis*, BGST.

(1115)* – – ex *Plusia jota*, R.V.ST.

(1116)* – – ex *Vanessa* (= *Nymphalis*) *antiopa*, BGST.

(1117)* – – ex *V.* (= *Aglais*) *urticae*, BGST. [misid. = *Exorista fasciata* (1 small female), rev. HPT].

(1118) p. 554: *Fabricia ferox* (= *Nowickia ferox*) ex *Hadena polyodon* (= *Apamea monoglypha*), BGST. – The host *H. polyodon* Linnaeus is wrongly cited as *Chloantha* (= *Actinotia*) *polyodon* Clerck by BEZZI 1907: 196, and subsequent authors. It has been correctly synonymized by AUDCENT 1942: 11.

(1119)* *Frontina laeta* ex *Smerinthus ocellatus*, RGH.

(1120) p. 555: *Glaucophana amasiae* (= *Neaera atra*) ex *Depressaria veneficella*, MANN.

(1121)* *Gymnopareia bicolor* (misid. = *Ceranthia pallida*) ex *Eupithecia campanulata* (= *E. denotata*), DORFMEISTER.

(1122)* *Gymnopareia crassicornis* (= *Actia crassicornis*) ex *Depressaria heydenii*, RGH. (on label: KREITHNER, Schneeberg).

(1123) *Gymnopareia exoleta* (misid. = prb. *Peribaea tibialis*) ex *Polia* (= *Antitype*) *flavicincta*, RGH.

(1124) *Gymnopareia pilipennis* (prb. misid. = prb. *Actia crassicornis*) ex *Depressaria liturella* (= *D. flavella*) [this is prb. not the correct synonymy because BRAUER & BERGENSTAMM give "Tr. Hb." as authors of "*liturella*"], SCHEFFER (cited already by ROSSI 1848, see no. 291).

(1125) p. 556: – – (misid. = *Actia nudibasis*) ex *Tortrix resinana* (= *Petrova resinella*), RGH.

(1126) – – (misid. = *A. nudibasis*) ex *T. pinetana* (misid. = *Rhyacionia buoliana*), reference to R.D. (= ROBINEAU-DESVOIDY 1863(I): 716, who quotes the record of HARTIG 1838b, see no. 185). – Both HARTIG and ROBINEAU-DESVOIDY have added "*buoliana*" in parentheses to the host name, but BRAUER & BERGENSTAMM cite only "*pinetana* Htg.". The true *Tortrix pinetana* Hübner is a synonym of *Olethreutes schulziana*, and the latter is therefore wrongly listed as host of *Actia pilipennis* by BEZZI 1907: 390.

(1127) *Gymnosoma rotundata* (prb. correct) ex *Pentatoma dissimilis* (= *Palomena prasina*), HANDLIRSCH.

(1128)* *Hemimasicera ferruginea* (misid. = *Erycia fatua*) ex *Melitaea athalia*, BGST. – This record has been wrongly referred to *Ceromasia rubrifrons* by MESNIL 1954: 314.

(1129) – – (misid. = prb. *Townsendiellomyia nidicola*) ex *Porthesia* (= *Euproctis*) *chrysorrhoea*, HORVÁTH.

(1130)* *Hemimasicera gyrovaga* (= *Drino vicina*) ex *Sphinx oenotherae* (= *Proserpinus proserpina*), RGH, BGST.

(1131)* *Homoeonychia lithosiophaga* (= *Linnaemyia lithosiophaga*) ex *Lithosia* (= *Eilema*) *caniola*, RGH., Görz (= Gorizia).

(1132)* *Hypochaeta longicornis* (= *Campylochaeta inepta*) ex *Lithosia gilveola* (= *Eilema unita*), RGH.

(1133) – – ex *Pygaera curtula* (= *Clostera curtula*), RGH.

(1134) p. 558: *Hyria tibialis* (= *Pelatachina tibialis*) ex *Mamestra oleracea*, R.V.ST., SCHUMMEL.

(1135)* – – ex *Vanessa* (= *Aglais*) *urticae*, BGST.

(1136)* *Leskia aurea* ex *Sesia asiliformis* (= *Synanthedon vespiformis*), RGH.

(1137) – – ex *S.* (= *Synanthedon*) *conopiformis*, RGH.

(1138) – – ex *S. cynipiformis* (= *Synanthedon vespiformis*), RGH.

(1139) – – ex *Tortrix* (= *Rhyacionia*) *buoliana*, BGST. – The host is probably wrong.

(1140) *Lomacantha parra* (misid. = prb. *Chaetogena rondaniana*) ex *Athroolopha chrysitaria*, RGH. – Corrected by BRAUER 1898 (see no. 1398), and cited by BEZZI 1907: 317, as *Phorocera*, subg. *Eggeria*, *parra* B.B. nec Rond.

(1141) *Lophyromyia clausa* (= *Blondelia inclusa*) ex *Lophyrus* (= *Diprion*) sp., SCHUMMEL, Silesia.

(1142) – – ex *L.* (*D.*) *variegatus* (prb. misid. = prb. *D. frutetorum*), BGST.

(1143)* pp. 559–560: *Machaira serriventris* (= *Compsilura concinnata*) ex *Acronicta aceris*, RGH.

(1144) – – ex *Acronicta cuspis*, RGH.

(1145) – – ex *Bombyx* (= *Malacosoma*) *neustria*, BGST.

(1146)* – – ex *Cimbex axillaris*, RGH. – On label: *Cimbex* on *Salix caprea* (= prb. *C. lutea*) [also *C. femoratus* is known from *Salix*], R.V.ST. Cited by BEZZI 1907: 309, as *Cimbex humeralis* (= *C. quadrimaculata*) but the larva of that species lives on *Crataegus*.

(1147)* – – ex *Cucullia lactucae*, RGH. (on label: HANDLIRSCH).

(1148) – – ex *Libythea celtis*, RGH.

(1149)* – – ex *Lithosia quadra*, RGH. (on label: FRAUENFELD).

(1150)* – – ex *Mamestra oleracea*, R.V.ST.

(1151) – – ex *Ocneria* (= *Lymantria*) *dispar*, HORVÁTH.

(1152) – – ex *Phalera bucephala*, RGH.

(1153)* – – ex *Pieris brassicae*, HANDLIRSCH.

(1154)* – – ex *P. rapae*, RGH.

(1155) – – ex *Plusia gamma*, RGH.

(1156)* – – ex *Trichiocampus eucera* (= *T. viminalis*), R.V.ST.

(1157)* – – ex *Vanessa* (= *Nymphalis*) *antiopa*, BRAUER ["HANDLIRSCH" in HERTING 1960: 55].

(1158) – – ex *V.* (= *Inachis*) *io*, R.V.ST.

(1159)* – – ex *V.* (= *Araschnia*) *levana*, RGH, BGST (on label: R.V.ST.).

(1160)* – – ex *V.* (= *Aglais*) *urticae*, BGST.

(1161)* – – ex *V.* (= *Nymphalis*) *xanthomelas*, BGST.

(1162)* p. 561: *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*, EGGER, HANDLIRSCH etc.

(1163)* – – ex *Saturnia spini*, BGST.

(1164)* – – (misid. = *Masicera sphingivora*) ex *Sphinx* (= *Celerio*) *euphorbiae*, RGH., BGST.

(1165)* *Masicera silvatica* (misid. = *Masicera sphingivora*) ex *Lasiocampa* (= *Gastropacha*) *quercifolia*, BGST.

(1166)* – – (misid. = *Masicera pavoniae*) ex *Saturnia pyri*, BGST. (on label: R.V.ST.).

(1167)* – – (misid. = *M. p.*) ex *S. spini*.

(1168)* – – (misid. = *Masicera sphingivora*) ex *Sphinx* (= *Celerio*) *euphorbiae* (on label: SAALMÜLLER, Villach).

(1169)* – – (misid. = *M. sph.*) ex *S.* (= *Celerio*) *vespertilio*. (locality: Switzerland).

(1170)* *Meigenia floralis* (misid. = *Meigenia simplex*, rev. HPT) ex *Crioceris quatuordecimpunctata*, DAMIANITSCH.

(1171)* *Meigenia bisignata* (misid. = *Meigenia dorsalis*, rev. HPT) ex *Gonioctena rufipes* (= *Phytodecta decemnotata*), BGST.

(1172)* p. 562: *Meriania argentifera* (= *Ernestia argentifera*) ex *Mesogona oxalina* (on label: *M. acetosellae*).

(1173)* *Micronychia ruficauda* (= *Lypha ruficauda*) ex *Cidaria* (= *Hydriomena*) *impluviata*, DORFMEISTER.

(1174) – – ex *Notodonta torva*, RGH. – A notodontid host of this tachinid is unconfirmed and unlikely. The species has been wrongly synonymized with *Notodonta phoebe* (= *N. tritophus*) by BEZZI 1907: 220.

(1175) *Micropalpus haemorrhoidalis* (= *Linnaemyia* sp.) [supposed to be *L. retroflexa* = *L. picta* by HERTING 1960: 110] ex *Agrotis* (= *Amathes*) *c-nigrum*, PARREIS.

(1176)* *Microtachina erucarum* (= *Exorista mimula*) ex *Cladius comari* (= *C. pectinicornis*), R.V.ST.

(1177)* – – (misid. = 1 ♀ *Exorista larvarum*, only 5 mm long) ex *Zygaena* sp., BGST. – On label: STEIN 20.7.80.

(1178) *Mintho praeceps* (= *Mintho rufiventris*) ex *Polia* (= *Antitype*) *polymita*, RGH. – Host questionable.

(1179)* p. 563: *Myiocera ferina* (= *Dinera ferina*) ex ?*Dorcus parallelepipedus*, FRAUENFELD. – See also no. 787. A second or the same rearing?

(1180)* *Myxexorista fauna* (= *Nilea innoxia*) ex *Acronicta rumicis*, BGST.

(1181)* – – ex *Smerinthus ocellatus*, RGH. – On label: Wien, 10.4.82, HANDL(IRSCH).

(1182)* *Myxexorista grisella* (= *Zenillia dolosa*, 1 ♀) ex *Cidaria* (= *Hydriomena*) *impluviata*, RGH. (on label: KREITHNER, 12.4.1884).

(1183) – – ex *Hyponomeuta evonymella*, KOLAZI.

(1184)* – – ex *H. padella*, HANDLIRSCH, Mödling.

(1185)* – – (misid. = *Zenillia libatrix*) ex *Pygaera reclusa* (= *Clostera pigra*), RGH.

(1186) – – (– = –) ex *Cnethocampa* (= *Thaumetopoea*) processionea, SCHIESSER, Wien.

(1187) to nos. 1182–1184: BEZZI 1907: 279, has wrongly synonymized *M. grisella* with *Zenillia libatrix* and wrongly placed the *Hyponomeuta* spp. and *H. impluviata* (under the name *Larentia autumnalis*) in the host list of the latter species.

(1188) *Myxexorista libatrix* (= *Zenillia libatrix*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, RGH. and NITSCHE, Tharandt (D).

(1189)* p. 564: *M. macrops* (= *Zenillia libatrix*) ex *Pygaera* (= *Clostera*) *curtula*, RGH. – The host has been synonymized with *P.* (= *C.*) *anachoreta* by BEZZI 1907: 280, maybe correctly because the two species have been confounded by some authors.

(1190)* – – ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, BGST.

(1191) *Nemoraea conjuncta* (= *Nemoraea pellucida*) ex *Spilosoma lubricipeda* (= *S. lutea*). This line is misprinted in bold type without dagger. It is not an original record, but refers to ROBINEAU-DESVOIDY 1863(I) (no. 431). In the host-parasite list (p. 607) under *S. lubricipeda* it is correctly printed.

(1192)* *N. nigroscutellata* (= *N. pellucida*) ex *Mamestra* (= *Conisania*) *leineri*, RGH.

(1193)* *N. nupta* (= *N. pellucida*) ex *Demas* (= *Colocasia*) *coryli* (RGH.), and (1194) *Mamestra aliena* (RGH.).

(1195)* *Nemorilla maculosa* (misid. = *Nemorilla floralis*, rev. HPT) ex *Botys verticalis* (= *Sylepta ruralis*), BGST.

(1196)* – – (= *Nemorilla maculosa*, rev. HPT) ex *Myelois* (= *Eurhodope*) *suavella*, RGH.

(1197) p. 565: *Onychogonia corsica* (= *Pseudogonia parisiaca*) ex *Trichosoma corsicum* (= *Ocnogyna corsica*), MANN. – The host (Arctiidae) is wrongly cited as *Orgyia trigotephras* var. *corsica* (Lymantriidae) by BEZZI 1907: 362.

(1198)* *Onychogonia interrupta* (= *Onychogonia flaviceps*) ex *Mamestra glauca*, RGH.

(1199) p. 566: *Panzeria rudis* (= *Ernestia rudis*) ex *Panolis piniperda* (= *Panolis flammea*), RGH.

(1200)* *Paraplagia trepida* (= *Athrycia trepida*) ex *Hadena* (= *Tholera*) *popularis*, RGH.

(1201) *Parasetigena segregata* (= *Parasetigena silvestris*) ex *Psilura* (= *Lymantria*) *monacha*, HENSCHEL (= no. 945), Bohemia.

(1202)* *Parexorista affinis* (= *Huebneria affinis*) ex *Arctia caja*.

(1203)* *P. bisetosa* (= *Paratryphera bisetosa*) ex *Geometra vernaria* (= *Hemistola chrysoprasaria*).

(1204)* *P. brevifrons* (misid. = *Phryxe nemea*) ex *Taeniocampa instabilis* (= *Orthosia incerta*). – Cited by BEZZI 1907:

240, as valid species in the genus *Exorista*. The type specimen of *P. brevifrons* (not bred) has been correctly identified as *Huebneria affinis* by VILLENEUVE 1907: 251, and the host of this different specimen has therefore (but wrongly) been referred to that species by BAER 1921: 147 (reprint p. 113).

(1205)* *P. capillata* (= *Alsomyia capillata*) ex *Zygaena* sp., HANDLIRSCH.

(1206)* *P. cheloniae* (= *Carcelia lucorum*) ex *Arctia caja*, BGST, HANDLIRSCH.

(1207)* – – ex *Arctia hebe*, BGST. – 1 ♂.

(1208)* – – ex *Arctia purpurea* (= *Rhyparia purpurata*), BGST, RGH.

(1209)* – – ex *Arctia villica*, RGH, BGST.

(1210)* – – ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, RGH.

(1211)* – – ex *Bombyx* (= *Macrothylacia*) *rubi*, BGST. – 4 ♂♂, 2 ♀♀, no locality, no date. – Host atypical for this tachinid, therefore questionable.

(1212)* – – (= *C. lucorum*) ex *Ammoconia caecimacula*, BGST. – 2 ♂♂ on a single pin. Host prb. wrong.

(1213)* – – ex *Hadena didyma* (= *Apamea secalis*), BGST. – 1 ♂, host prb. wrong.

(1214)* – – ex *Orthosia pistacina* (= *Agrochola lychnidis*), BGST. – 1 ♂, host prb. wrong.

(1215) to nos. 1212–1214: *Carcelia lucorum* is a parasite of Arctiidae, several flies developing in one host caterpillar. Records from other hosts species have never been confirmed. These specimens in coll. BGST. belong together because they are identically labelled: "Oesterr." (= Austria) without further data. The association with the three noctuid hosts is probably due to an error.

(1216)* – – (misid. = *Carcelia atricosta*) ex *Cimbex betulae* (= *C. femorata*), R.V.ST. – Misid. by HERTING 1960: 87, as *Carcelia puberula*. Correction by HERTING 1961: 8. The host is unusual for a *Carcelia* and presumably wrong.

(1217)* – – (misid. = *Myxexoristops bonsdorffi*) ex *Lyda stellata* (= *Acantholyda posticalis*), R.V.ST.

(1218)* – – (misid. = *Carcelia laxifrons*) ex *Leucoma salicis*, R.V.ST.

(1219)* *Parexorista confinis* (= *Aplomyia confinis*) ex *Thecla* (= *Callophrys*) *rubi*. – Locality: Fischamend (E of Vienna).

(1220)* p. 567: *Parexorista dubia* (= *Carcelia dubia*) ex *Arctia hebe*, RGH. – Brühl.

(1221)* – – ex *Euchelia* (= *Tyria*) *jacobaeae*, RGH. – Gloggnitz.

(1222) – – (misid.?) ex *Habryntis* (= *Phlogophora*) *scita*.

(1223)* *P. lucorum* (misid. = *Carcelia iliaca*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, v. HEYDEN.

(1224)* – – (misid. = *Carcelia gnava*) ex *Dasychira pudibunda*. – Wien.

(1225)* – – (misid. = *Carcelia thalpocharidis*) ex *Thalpochares* (= *Eublemma*) *pannonica*, RGH.

(1226) to nos. 1223 and 1224: MESNIL 1944: 45 has wrongly referred these two hosts (*Th. processionea* and *D. pudibunda*) to *Carcelia laxifrons*, because VILLENEUVE 1912b: 90, has cited *P. lucorum* apud B.B. as synonym of *C. laxifrons*, but the latter statement is valid only for an alleged "type" specimen of *lucorum* (not reared) in the WINTHEM collection.

(1227) to nos. 1223–1225: In the catalogue of BEZZI 1907, *Parexorista lucorum* is cited correctly as synonym of *Carcelia cheloniae* on p. 234, and *Sisyropa lucorum* wrongly as synonym of *C.* (= *Senometopia*) *excisa* on p. 236, but all hosts records listed for *Parexorista lucorum* by BRAUER & BERGENSTAMM (p. 567, including those from preceding literature) are wrongly referred by BEZZI also to *C.* (= *S.*) *excisa*.

(1228)* *Parexorista grossa* (misid. = *Nilea hortulana*) ex *Arctia* (= *Parasemia*) *plantaginis*, RGH. – The true *P. grossa* is *Phebellia glauca*.

(1229)* – – (– = –) ex *Acronicta psi*, WINTHEM.

(1230)* – – (– = –) ex *A. tridens*, RGH. – There are ca.30 specimens bred from these two *Acronicta* species.

(1231)* – – (misid. = *Phebellia glirina*) ex *Abia sericea*, R.V.ST.

(1232)* *P. polychaeta* (= *Huebneria affinis*) ex *Arctia caja*.

(1233)* – – (misid. = *Nilea hortulana*) ex *Acronicta tridens*, R.V.ST.

(1234)* – – (= *Huebneria affinis*) ex *Geometra* (= *Artiora*) *evonymaria*.

(1235)* p. 568: *Parexorista susurrans* (misid. = *Nilea hortulana*) ex *Acronicta psi*.

(1236)* – – (misid. = *Alsomyia capillata*) ex *Zygaena minos* (= *Z. purpuralis*), SCHUMMEL.

(1237) to nos. 1235–1236: *P. susurrans* sensu Brauer & Berg. has been synonymized with *Carcelia leucophaea* auct. (= *Senometopia confundens*) by VILLENEUVE 1912b: 89, and the hosts *A. psi* and *Z. purpuralis* are therefore wrongly cited under *C. leucophaea* by BAER 1921: 146 (reprint p. 112).

(1238)* *P. temera* Rdi. (misid. = *Eumea mitis*) ex *Nematus oligospilus*, R.V.ST. – The host is questionable. BEZZI 1907 has omitted the record and cited *temera* Meigen correctly as synonym of *Phryxe vulgaris* (p. 275). BAER 1921: 147 (reprint p. 113) has used the name *Exorista temera* Rondani for *E.* (= *Platymyia*) *fimbriata* and listed *Pteronidea oligospila* wrongly as host of this species.

(1239)* *P. tritaeniata* (= *Cadurciella tritaeniata*) ex *Thecla* (= *Callophrys*) *rubi*, R.V.ST.

(1240)* *Peleteria ferina* ex *Arctia* (= *Hyphoraia*) *aulica*, RGH.

(1241)* *P. tessellata* (= *Peleteria rubescens*) ex *Papilio machaon* (KOLLAR), (1242)* *Agrotis segetum* (RGH.), and (1243) *A. vestigialis*, (SAALMÜLLER).

(1244)* *Peteina erinaceus* ex *Cucullia asteris*, SCHUMMEL (on label: WINTHEM).

(1245)* – – ex *Plusia gamma*, R.V.ST.

(1246)* *Petinops schnablii* (= *Ramonda plorans*) ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, RGH. – Misid. by HERTING 1960: 132, as *Wagneria* (= *Ramonda*) *ringdahli* Vill.

(1247) – – (misid.?) ex *Eccrita* (= *Lygephila*) *ludicra*, RGH. – *A specimen labelled ?*schnabli* with puparium, but without host name, is a *Ramonda spathulata*.

(1248)* *Phorichaeta cunctans* (misid. = *Ramonda prunaria*) ex *Grammesia trilinea* (= *Meristis trigrammica*), RGH.

(1249)* p. 569: *Phorichaeta lugens* (misid. = *Ramonda prunaria*) ex *Trachea* (= *Caradrina*) *blanda*, RGH. – The true *P. lugens* is *Wagneria costata*.

(1250)* *Phorocera cilipeda* (= *Pales pavida*) ex *Attacus lunula*, reared in Vienna, RGH.

(1251)* – – (misid. = *Pales processioneae*, rev. HPT) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, RGH. – Misidentified by HERTING 1960: 94, as *Pales pavida*.

(1252)* – – (misid. = *P. processioneae*) ex *C.* (= *Th.*) *processionea*, NITSCHE. – The specimens (including 1 ♂ with extended genitals) are in the collection in Tharandt.

(1253)* – – (= *Pales pavida*) ex *Bombyx* (= *Eriogaster*) *catax*, RGH.

(1254)* – – ex *Emphytus cingillum* (= *Allantus truncatus*), R.V.ST. – The host is questionable, because a parasitism of *Pales* on a Tenthredinidae has never been ascertained. It is wrongly interpreted as *Tenthredo amoena* (syn.: *cingulum* Klug, not *cingillum* Klug) by AUDCENT 1942: 3, and EMDEN 1954: 95.

(1255)* – – ex *Orgyia ericae*, RGH.

(1256) – – ex *Porthesia* (= *Euproctis*) *chrysorrhoea*, RGH.

(1257)* *Phorocera pumicata* (misid. = *Pales processioneae*, rev. HPT) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, BGST. – Misidentified by HERTING 1960: 94, as *Pales pavida*.

(1258) p. 570: *Phryxe erucastri* ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, ROBINEAU-DESVOIDY 1863(I): 412. – The probable host is "*Bombyx processionea* du Pin" (= *Thaumetopoea pityocampa*), and the parasite prb. *Phryxe caudata*, see no. 471. *P. erucastri* has been wrongly synonymized with *Phryxe vulgaris* by BEZZI 1907: 271, and *Th. processionea* is wrongly included in the host list of the latter species.

(1259) *Phryxe bellierella* (= prb. *Phryxe vulgaris*) ex *Leucania unipuncta*. – The host was *Leucania albipuncta*, see no. 466. In the host-parasite list, p. 596, it is correctly cited.

(1260)* *Phytomyptera nitidiventris* (= *Phytomyptera nigrina*, 1 ♂) ex *Cochylis* (= *Eupoecilia*) *zebrana*, SAALMÜLLER. – On label: 12.5.79, no locality.

(1261) – – ex *Eudemis botrana* var. *daphniana* (= *Lobesia botrana* on *Daphne gnidium*), MANN, Livorno (Italy).

(1262)* *Plagia ambigua* (misid. = *Athrycia trepida*) ex *Hadena* (= *Tholera*) *popularis*, RGH. – The true *ambigua* is *Voria ruralis*.

(1263)* *P. curvinervis* (misid. = *Athrycia trepida*) ex *Taeniocampa stabilis* or *T. instabilis* (= *Orthosia stabilis* or *O. incerta*), SCHUMMEL ["SAUER 1845" is given on the label, not "SCHUMMEL"]. – This is the information on the label. BR. & BERG. have listed the two host names incorrectly as separate records.

(1264)* *P. ruralis* (misid. = *Athrycia impressa*) ex *Anarta myrtilli*, R.V.ST.

(1265)* – – (= *Voria ruralis*) ex *Arctia hebe*, R.V.ST.

(1266)* – – ex *Plusia chrysitis*, RGH.

(1267)* – – ex *Plusia gamma*, RGH.

(1268)* *Prosopaea abbreviata* (= *Periarchiclops scutellaris*) ex *Acronycta rubiginosa* (= *Conistra rubiginea*) ["*rubiginea*" (see also HERTING 1960: 76) is wrong because the label clearly reads "*N. rubiginosa*" (pers. comm. P. SEHNAL)], R.V.ST.

(1269)* *P. nigricans* (misid. = *Periarchiclops scutellaris*) ex *Acronicta euphorbiae*, RGH.

(1270)* – – (= *Prosopea nigricans*) ex *Lithosia quadra*, RGH.

(1271)* p. 571: *Prosopodes fugax* (= *Bessa parallela*) ex *Hyponomeuta evonymella*, BGST.

(1272)* – – ex *H. malinella*, BGST.

(1273)* – – (misid. = *Bessa selecta*) ex *Hemichroa rufa* (= *H. crocea*), R.V.ST.

(1274) *Ptychomyia selecta* (misid. = *Bessa parallela*, or host wrong) ex *Geometra piniaria* (= *Bupalus piniarius*), RGH.

(1275) – – (= *Bessa selecta*) ex *Lophyrus* (= *Diprion*) *polytomus*.

(1276) – – ex *Nematus grossulariae*, BGST. – The host has been interpreted by BEZZI 1907: 301, as *N. appendiculatus* (= *Pristiphora pallipes*), but it could also have been the common *Nematus ribesii*. [*Nematus grossulariae* is a synonym of *N. ribesii*.]

(1277)* – – ex *N. hypogastricus* (= *Platycampus luridiventris*), BGST.

(1278)* – – (misid. = *Bessa parallela*) ex *Ocneria detrita*, NITSCHE, Tharandt (Sachsen, D). – The specimens are in the collection in Tharandt.

(1279)* – – (= *B. selecta*) ex *Priophorus albipes* (= *P. pallipes*), R.V.ST.

(1280) *Rhinotachina proletaria* (= *Bithia proletaria* or misid. = *B. modesta*) ex *Sesia* sp. (= Sesiidae indet.), P. STEIN, San Remo (= no. 2657).

(1281) p. 573: *Servillia lurida* (= *Tachina lurida*) ex Lepidoptera pupa found in the soil, ?*Acronicta aceris*, RGH. – Very unlikely, because the larval period of this noctuid does not coincide with the flight period (early spring) of the parasite.

(1282)* p. 574: *Sesiophaga glirina* (= *Bithia glirina*) ex *Sesia* (= *Chamaesphecia*) *empiformis*, RGH.

(1283)* – – ex *S.* (= *Ch.*) *leucospiformis* [= *leucopsiformis*], RGH.

(1284) *Siphona cristata* (= *Siphona* sp.) ex *Cnethocampa* (= *Thaumetopoea*) *pityocampa*, RGH. – Host questionable.

(1285) *Siphona* sp. ex *Plusia gamma*, North America. – BEZZI 1907: 381, cited this record wrongly under *Bucentes* (= *Siphona*) *cristata*, because he had overlooked the "sp." in BR. & BERG. list.

(1286)* – – ex *Mamestra pisi*, R.V.ST. – Cited (perhaps correctly) under *Bucentes* (= *Siphona*) *cristata* by BEZZI 1907: 381.

(1287)* – – (= *Siphona collini*) ex *Noctua sagittifera* (= *Ochropleura candelisequa*), RGH.

(1288)* *Sisyropa angusta* (misid. = *Carcelia gnava*) ex *Dasychira pudibunda*, RGH. – Cited by BEZZI 1907: 233, as valid species in *Carcelia*. The lectotype of *S. angusta* is a *C. rasa*.

(1289)* – – (= *Carcelia rasa*) ex *Orgyia gonostigma* (= *O. recens*), RGH. – BAER 1921: 145 (reprint p. 111) has wrongly synonymized *S. angusta* with *Carcelia* (= *Senometopia*) *excisa* and wrongly referred the host to that species.

(1290)* *Sisyropa excisa* (misid. = *Senometopia pollinosa*) ex *Bupalus piniarius*, RGH.

(1291) – – (= *Senometopia excisa*, or misid.) ex *Cucullia scrophulariae*, RGH.

(1292)* – – (= prb. *Senometopia pilosa*) ex *Plusia triplasia* (= *Abrostola trigemina*), BGST. – The specimen is a female, and the species *excisa* or *pilosa* differ only in the males. But in no. 3337 and an unpublished rearing in the Gipsy Moth Laboratory at Budapest (specimens kept in USNM, genitals prepared by me) the parasite of *Abrostola* was *pilosa*.

(1293) – – (prb. misid., identity unknown) ex *Saturnia pyri*, BGST.

(1294)* *Sisyropa lucorum* (misid. = *Carcelia dubia*) ex *Arctia hebe*, RGH. – Brühl.

(1295)* – – (misid. = *Carcelia puberula*) ex *Psilura* (= *Lymantria*) *monacha*, HENSCHEL.

(1296)* – – (misid. = *C. gnava*) ex *Leucoma salicis*, BGST.

(1297)* – – (misid. = *C. atricosta*) ex *Orgyia antiqua*, R.V.ST., 4 specimens. – Misid. by HERTING 1960: 87, as *Carcelia puberula*. Correction by HERTING 1961: 8.

(1298) to nos. 1294–1297: *S. lucorum* B.B. has been wrongly synonymized with *Carcelia* (= *Senometopia*) *excisa* by BEZZI 1907: 236, and he has wrongly included *A. hebe*, *L. monacha*, *L. salicis* and *O. antiqua* in the host list of *excisa* on p. 234.

(1299)* p. 575: *Spongosia occlusa* (= *Chaetogena obliquata*) ex *Bombyx* (= *Lasiocampa*) *quercus*, WINTHEM, HANDLIRSCH, RGH.

(1300)* *Staurochaeta gracilis* (= *Staurochaeta albocingulata*) ex *Lophyrus* (= *Monoctenus*) *juniperi*, TSCHEK and R.V.ST.

(1301)* *Stomatomyia filipalpis* (= *Chaetogena filipalpis*) ex *Psyche graminella* (= *Canephora unicolor*) (RGH.), and (1302)* *Psyche* (= *Canephora*) *unicolor*, (HANDLIRSCH).

(1303) p. 576: *Tachina larvicola* Htg. Rdi. J. p. (= *Exorista larvarum*, see no. 232) ex *Ocneria* (= *Lymantria*) *dispar*. – Misspelling of *Tachina larvincola* Ratzeburg, which was wrongly quoted with the author Hartig by RONDANI 1872c: 334. Included with ? in the parasite list of *Porthetria* (= *Lymantria*) *dispar* by FERNALD in FORBUSH & FERNALD 1896: 392.

(1304)* p. 577: *Tachina fera* ex *Agrotis* (= *Paradiarsia*) *glareosa* (RGH.), (1305)* *Mamestra pisi* (R.V.ST.), and (1306)* *Leucania obsoleta* (RGH.).

(1307)* *Tachina grossa* ex *Sphinx* (= *Hyloicus*) *pinastri*, RGH.

(1308)* – – (misid. = *Gonia foersteri*) ex *Bombyx dumeti* (= *Lemonia dumi*), RGH. – Only the puparium inside the broken host pupa. The adult fly in it was nearly fully developed and could be dissected from it. The determination was ascertained by careful comparison. [The dissection was made by HPT and the result was that it is *Gonia* sp., but if it really belongs to *G. foersteri* was not ascertained.]

(1309)* *Tachina praeceps* ex *Macroglossa* (= *Hemaris*) *fuciformis*. – Not printed in bold type, but the absence of the dagger indicates, that it is an original record. The specimen (1 ♂) is in NHMW (rev. HPT).

(1310) AUDCENT 1942: 11 has overlooked the name *T. praeceps* (not printed in bold type) in this list and wrongly referred the two hosts – *Euproctis chrysorrhoea* (no. 668) and *Hemaris fuciformis* – to the preceding species *Tachina grossa*. EMDEN 1954: 54 has quoted this wrong information from AUDCENT, and MESNIL 1966: 914 has quoted EMDEN.

(1311)* *Tachina magnicornis* ex *Hadena* (= *Blepharita*) *adusta*, RGH.

(1312)* – – ex *Agrotis* sp. (= Agrotinae indet.), RGH.

(1313) *Thelaira intuenda* (= *Thelaira* sp.) ex *Smerinthus populi*, SCHUMMEL.

(1314)* p. 578: *Thelaira leucozona* ex *Arctia caja*, WINTHEM. (prb. = MEIGEN 1826, see no. 33).

(1315) – – (misid.? = *Thelaira* sp.) ex *Spilosoma lubricipeda* (= *S. lutea*), RGH.

(1316) *Thelaira nigripes* (or misid.) ex *Bombyx* (= *Macrothylacia*) *rubi*, RGH.

(1317)* – – (misid. = *Thelaira solivaga*, rev. HPT) ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, DORFMEISTER.

(1318)* – – (– = –, rev. HPT) ex *Trichosoma corsicum* (= *Ocnogyna corsica*), MANN, Corsica.

(1319)* *Thelymorpha vertiginosa* (= *Thelymorpha marmorata*) ex *Arctia caja*, R.V.ST.

(1320) – – ex *Arctia* (= *Orodemnias*) *quenseli*, POKORNY, Passo di Stelvio.

(1321)* – – ex *Gonioctena rufipes* (= *Phytodecta decemnotata*), RGH. – The fly is correctly identified, but the host is probably wrong. On the label it is marked with a query.

(1322) p. 579: *Tricholyga major* (prb. misid. = prb. *Exorista segregata*) ex *Cnethocampa* (= *Thaumetopoea*) *pityocampa*, MANN.

(1323) – – (= prb. *Exorista grandis* or *E. sorbillans*) ex *Mamestra oleracea*, RGH.

(1324) – – (– –) [rev. HPT = *Exorista larvarum*] ex *Mamestra pisi*, BGST.

(1325)* – – (= *Exorista grandis*) ex *Saturnia carpini* (= *S. pavonia*), RGH.

(1326) – – ex *Saturnia pyri*, RGH.

(1327) – – ex *S. spini*, RGH.

(1328)* – – ex *Vanessa* (= *Inachis*) *io*, BGST.

(1329) *Tricholyga* sp. (prb. misid. = prb. *Diplostichus janitrix*) ex *Lophyrus* (= *Diprion*) sp., MANN, Corsica. – Wrongly cited as *Tricholyga corsica* B.B. by BEZZI 1907: 354.

(1330) – – (= prb. *Exorista grandis* or *E. sorbillans*) ex *Smerinthus populi*, RGH.

(1331)* *Tryphera succincta* (= *Tryphera lugubris*) ex *Noctua cribrum* (= *Coscinia cribraria*), WINTHEM, North Germany.

(1332)* *Tryphera lugubris* (misid. = *Paratryphera palpalis*) ex *Scodiona* (= *Dyscia*) *conspersaria*, RGH., Brühl near Vienna.

(1333)* *Viviania pacta* (= *Zaira cinerea*) ex *Carabus rugosus*, PELIKAN, Dalmatia.

[COAZ 1894, see TSCHORSNIG 2017]

DALE 1894

(1334) p. 196: *Macquartia affinis* (= *Macquartia tenebricosa*) ex *Chrysomela* (= *Chrysolina*) *varians*, Plymouth, KEYS. – Wrongly synonymized with *Macquartia chalconota* by BEZZI 1907: 405.

GIARD 1894

(1335) p. CLXXX: *Exorista vulgaris* (= *Phryxe vulgaris*) ex *Plusia gamma*.

(1336) *Tachina larvarum* (= *Exorista larvarum* or misid. = *E. fasciata*) ex *Bombyx* (= *Macrothylacia*) *rubi*, Wimereux (Normandie, France).

MEADE 1894

The host records on p. 107 and p. 158 are those published by DALE 1894: 196, and BILLUPS 1894: 136.

PORCHINSKI 1894

p. 9 of the reprint: The parasite complexes (Diptera only) of *Lymantria dispar* and *L. monacha*. It is not stated which species were observed during the outbreaks in Russia or Ukraine, but the following records are apparently new (not found by me in publications before 1894).

Ex *Lymantria dispar*: (1337) *Exorista fulva* (prb. sensu Schiner = *Zenillia libatrix*), and (1338) *Masicera bella* (= *Sturmia bella* or misid. = *Drino inconspicua*). – PORCHINSKI 1901: 22, footnote, states that *M. bella* was identified by him as parasite of *L. dispar* in Kharkov prov. (Ukraine), leg. YAROSHEVSKI.

Ex *Lymantria monacha*: (1339) *Exorista fulva* (prb. sensu Schiner = *Zenillia libatrix*), and (1340) *Phorocera cilipeda* (= *Pales pavida*).

RUDOW 1894(a+b)

(1341) p. 65: *Tachina nana* (misid. = prb. *Actia nudibasis*) ex *Retinia resinana* (= *Petrova resinella*), 20.–24.IV. emerged from puparia found inside the host galls. – The true *Tachina nana* in MACQUART 1835 is *Guerinia nana* Rob.-Desv. 1830 (= prb. *Meigenia* sp. ♀).

(1342) *Tachina inclusa* (misid. or host wrong) ex *R. resinana* (= *P. resinella*). – *Blondelia inclusa* is a parasite of *Diprion*.

(1343) p. 118: *Echinomyia* spp. (= *Tachina* spp., see nos. 2012–2014, misid. or host wrong) ex *Bombyx* (= *Dendrolimus*) *pini*, and (1344) *Sphinx* (= *Hyloicus*) *pinastri*.

[STANDFUSS 1894, see TSCHORSNIG 2017]

STROBL 1894

The specimens ex *Arctia caja*, Seitenstetten, were reared by STROBL, the others by SCHIEFFERER, Graz (Austria).

(1345) p. 21: *Exorista cheloniae* (= *Carcelia lucorum*) ex *Arctia villica*, and (1346) *A. caja* (Seitenstetten).

(1347) *E. polychaeta* (= *Huebneria affinis*) ex *Arctia villica*, and (1348) *A. caja* (Seitenstetten).

(1349) p. 25: *Sturmia pupiphaga* (= *Sturmia bella*) ex *Vanessa atalanta*.

(1350) p. 26: *Machaira concinnata* (= *Compsilura concinnata*) ex *Acronycta alni*, and (1351) *Vanessa prorsa* (= *Araschnia levana*).

(1352)* p. 43: *Tryptocera versicolor* (misid. = *Ceranthia abdominalis*) ex *Platypteryx* (= *Drepana*) *lacertinaria*.

BUCKLER 1895

Of the tachinid records in this Vol. VI, pp. 138–140, five have been published already by MEADE 1881/82 and BILLUPS 1891b, c, see nos. 714, 719, 731, 748, 926. Two records are original:

(1353) p. 139: *Gonia ornata* (prb. misid. = prb. *Gonia capitata*) ex *Hadena* (= *Mamestra*) *pisi*, SHORT. – Referring to the same breeding record, BILLUPS 1896 (no. 1379) cites the parasite as *Gonia trifaria* (= *G. capitata*). *G. ornata* can hardly parasitize *M. pisi*, because the seasonal activity of that tachinid species (in spring) does not coincide with the presence of the host larvae (VII–IX). [BELSHAW, during his revisions of British museums, did not find a *G. capitata* reared from *C. pisi*. However, it cannot be ruled out that BELSHAW's (1993: 86) confirmed record of *Gonia ornata* from this host (according to pers. comm. BELSHAW in Museum Manchester, coll. "Bill") belongs to this material. If his identification is correct, it can only be presumed that the host was misidentified.]

(1354) p. 140: *Exorista vulgaris* (prb. misid. = prb. *Phryxe nemea*) ex *Mania* (= *Naenia*) *typica*, MANSBRIDGE. – Also published by BILLUPS 1896 (no. 1377).

CUÉNOT 1895

(1355) p. 323: Diptera larva, prb. *Thryptocera setipennis* (misid. = prb. *Ocytata pallipes*) in *Forficula auricularia*. – The larva was found not fixed in a funnel, but free in the body cavity of the host. This is characteristic for *O. pallipes* (syn.: *Rhacodineura antiqua*, misid. as *Ceromasia rufipes*), as already pointed out by PANTEL 1910: 159, and NIELSEN 1915: 214, footnote. Locality prb. Nancy (F).

GILSON 1895

(1356) p. 332: "Muscid" larvae (= prb. *Dexia rustica*) in *Melolontha melolontha*, Louvain (Belgium). True parasites, primary respiratory opening in the skin of the host.

GOLD 1895

(1357) p. 197: *Nemorea erythrura* (misid. = ?*Senometopia pollinosa*) common parasite of *Fidonia piniaria* (= *Bupalus piniarius*), Königgrätz (Hradec Králové, CZ). – *N. erythrura* is a *Winthemia*, close to or conspecific with *W. quadripustulata*.

(1358) *Tachina silvatica* (misid. = *Parasetigena silvestris*) common parasite of *Psilura* (= *Lymantria*) *monacha*, NE Bohemia.

MIK 1895

(1359) p. 93: *Thryptocera cognata* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*, HORVÁTH, Hungary.

MIK & WACHTL 1895

The text includes parasite-host records from rearings by WACHTL (nos. 1360–1363) and HARTIG (no. 1364):

(1360)* p. 221: *Dexodes piniariae* (= *Blondelia piniariae*) ex *Bupalus piniarius*, Bohemia and Moravia (= no. 885), numerous.

(1361)* p. 228: *Zygobothria gilva* (= *Drino gilva*) ex *Lophyrus* (= *Diprion*) *pallidus*, Galicia (= SW Poland). – On label: Bestwin (near Bielsko-Biała).

(1362)* p. 229: *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) *pini*. – On label: Znaim (= Znojmo), Moravia.

(1363)* – – ex *L.* (*D.*) *similis*. – Bestwin (near Bielsko-Biała, SW Poland).

(1364)* p. 245: *Blepharidopsis hartigii* n. sp. (= *Phryxe nemea*) ex *Abraxas grossulariata*, HARTIG (see no. 99), several specimens.

MOKRZECKI 1895

(1365) pp. 6–7 of the reprint: Phasiinae larvae (= prb. *Ectophasia oblonga*) in adult *Eurygaster maura* (prb. misid. = prb. *E. integriceps*), Kuban (Ciscaucasia, Russia). – Assumed to be *Phasia crassipennis* (= *Ectophasia* sp.) by VASIL'EV 1904: 23, and confirmed by MOKRZECKI 1926: 99.

PANDELLÉ 1895

(1366)* p. 318: *Silbermannia genistae* n. sp. (= *Macquartia tessellum*) ex *Gonioctena litura* (= *Phytodecta olivacea*).

(1367) p. 342: *Zenillia media* (misid. = prb. *Diplostichus janitrix*) [see HERTING 1978: 6] ex *Lophyrus* (= *Diprion*) *pini*, Dep. Allier. – Other specimens misid. as *Z. media* by PANDELLÉ are *Parasetigena silvestris*, but a parasitization of *Diprion* by that species is very unlikely.

BERLESE 1896

(1368) p. 352: Eight young larvae of a tachinid (= prb. *Metacemyia calloti*) found in the posterior part of the thorax and the abdomen of a male *Acridium lineola* (= *Anacridium aegyptium*), Portici near Naples (Italy). – See also RIBAGA 1902 (no. 1514). The parasite record has been wrongly referred to *Acomyia* (= *Acemyia*) *acuticornis* by BEZZI 1907: 333.

BILLUPS 1896

(1369) pp. 81–82: *Exorista gnava* (prb. misid., identity unknown) ex *Eupithecia helveticaria* (sensu auct. = *Eupithecia intricata*), ADKIN.

(1370)* p. 82: *Exorista affinis* (misid. = *Nilea hortulana*) ex *Agrotis* (= *Amathes*) *ashworthii*, ADKIN. – The specimen has been seen and correctly redetermined by WAINWRIGHT 1938: 155.

(1371) *Exorista* "*iota*" (*lota* sensu Meade = *Nilea hortulana*) ex *Agrotis* (= *Amathes*) *ashworthii*, ADKIN.

(1372) *Tachina larvarum* (= *Exorista larvarum*) ex *Odonestis* (= *Philudoria*) *potatoria*, ADKIN.

(1373) p. 83: *Exorista* "*iota*" (*lota* sensu Meade = *Nilea hortulana*) ex *Acronicta psi*, BARKER.

(1374) p. 84: *Nemorilla floralis* (as "*Nemoriaea*") ex *Saturnia pavonia* (BILLUPS), (1375) *Porthesia similis* (WELLMAN), and (1376) *Pieris brassicae* (BILLUPS). – All three hosts are questionable, because *N. floralis* is mainly parasitic on Microlepidoptera.

(1377 = 1354) p. 85: *Exorista vulgaris* (prb. misid. = prb. *Phryxe nemea*) ex *Mania typica* (= *Naenia typica*), MANSBRIDGE.

(1378) – – (– = –) ex *Abraxas grossulariata*, MANSBRIDGE, numerous.

(1379) *Gonia trifaria* (= *Gonia capitata*) ex *Hadena* (= *Mamestra*) *pisi*, SHORT. – See also no. 1353.

(1380) p. 87: *Exorista vulgaris* (= *Phryxe vulgaris*, or misid.) ex *Euchelia* (= *Tyria*) *jacobaeae*, WILLIAMS.

FERNALD in FORBUSH & FERNALD 1896

p. 392: List of European Dipterous parasites of *Porthetria* (= *Lymantria* or *Liparis*) *dispar* "compiled from various sources" (= mainly BRAUER & BERGENSTAMM 1894, and RONDANI 1872a, c). The following species must be deleted:

(1381) *Tachina noctuarum* R.D. and *T. rustica* Fall. – These two species are recorded in RONDANI's parasite-host list (1872c: 335, 336) from the host genus *Liparis*, but cited in his more detailed host-parasite list under *L. salicis* (1873: 4), not under *L. dispar* (1873: 164). The record of *Tachina rustica* Fall. ex *Liparis* is a misquotation by SCHINER 1862, see no. 416. *T.* (= *Exorista*) *rustica* is a parasite of Tenthredinidae, not of Lepidoptera. *Tachina noctuarum* Rob.-Desv. ex *Liparis* is a misquotation by RONDANI, see no. 646. HOWARD & FISKE 1911: 88, have wrongly cited it as *T. noctuarum* Rondani (which is a synonym of *Exorista larvarum*).

(1382) *Tachina quinquevitalata* Hrtg. is a misspelling of *quinquevittata* = *Agria affinis*, sarcophagid, see no. 245). – Wrongly placed in the genus *Tachina* by RONDANI 1872a, c (no. 624) and recorded from the host genus *Liparis*, but missed out in his host-parasite catalogue under *L. dispar* (1873: 164).

(1383) *Meigenia bisignata* (= *Meigenia* sp.). – I have not found this host record in preceding literature. It is almost certainly wrong, because *Meigenia* is a parasite of chrysomelid larvae (Col.), not of Lepidoptera.

LAMPERT 1896

(1384)* p. XI: Undetermined tachinids (= *Siphona collini*) ex *Charaeas* (= *Cerapteryx*) *graminis*, Ravensburg, KOST, and ex *Agrotis* (= *Euxoa*) *tritici*, Neckarweihingen, STEUDEL. – The specimens (8 ex *C. graminis* and 6 ex *A. tritici*) are preserved in the SNMS. Localities in SW Germany.

MARCHAND 1896

(1385) p. 134: *Echinomyia fera* (= *Tachina fera*) ex *Cucullia xeranthemi*, Germany. The two hosts recorded in France by MILLIÈRE 1868 (nos. 563, 564), are also cited.

(1386) – – ex *Pieris rapae*. Experimental host, several small adults of *E. fera* were obtained. – The assumption that the parasite larva penetrates through a stigma of the host is wrong. It has been refuted already by PANTEL 1910: 74.

MARSHALL 1896

(1387) p. 265: A large maggot believed to be an Ichneumonidae (but possibly Tachinidae) was found in an adult *Acherontia atropos* that was bred in captivity from a larva found in a potato field.

MEIJERE 1896

(1388) p. XLII: *Echinomyia grossa* (= *Tachina grossa*) ex *Bombyx* (= *Lasiocampa*) *quercus*, Nederveen Cappel [no locality but part of the breeder's name] (NL), VOS.

PANDELLÉ 1896

(1389)* p. 24: *Exorista laxiceps* n. sp. (= *Phebellia clavellariae*) ex *Clavellaria amerinae*, Danzig (= Gdansk, PL).

(1390)* p. 46: *Roeselia*, subg. *Frontina*, *breviseria* n. sp. (= *Lydella breviseria*) ex *Chilo cicatricellus*.

(1391) p. 56: *Tachina*, subg. *Masicera*, *brevis* Macq. (= *Eurysthaea scutellaris*) ex *Hyponomeuta vigintipunctata*. – Cited by BEZZI 1907: 283, as doubtful species of *Masicera*.

(1392) p. 59: *Tachina cursitans* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*.

(1393) p. 118: *Erynnia cineraria* (= *Cestonia cineraria*) ex caterpillar on *Astragalus bayonnensis*.

Localities in Southern France, unless otherwise stated.

BUCKLER 1897

The only tachinid record in this Vol. VII, p. 174, has been published already by BIGNELL 1880b (no. 704).

PANTEL 1897

(1394) p. 472: *Thrixion halidayanum* (= *Thrixion aberrans*) ex *Leptynia hispanica*, Uclès (Spain). – A short note preceding the very detailed study of this parasite-host relation by PANTEL 1898, see no. 1407.

PORCHINSKI 1897

(1395) pp. 791–792: *Microphthalma europaea* important parasite of *Anisoplia austriaca*, Dnepropetrovsk prov., Ukraine.

RODZIANKO 1897

(1396) p. 72: *Roeselia antiqua* (= *Ocytata pallipes*) ex *Forficula tomis*, Poltava, Ukraine.

SAJÓ 1897

(1397) p. 76: *Tachina bimaculata* (= *Drino inconspicua*) ex *Lophyrus rufus* (= *Neodiprion sertifer*), Hungary.

[SINTENIS 1897, see TSCHORSNIG 2017]

BRAUER 1898

(1398)* p. 504: *Erythrocera pomariorum* ex *Hyponomeuta* "*melina*" (= *H. malinella*) in coll. BIGOT (OXUM), no locality (label in French). Two specimens in bad condition, ?*Prosopodes fugax* (= *Bessa parallela*). – One of the two is indeed *B. parallela*, but the more damaged one is an *Eurysthaea scutellaris*. BEZZI 1907: 299, has cited *pomoriorum* Bigot with reference to BRAUER as syn. of *Prosopodes fugax*. He did not know the original description of *E. pomariorum* Goureau (see no. 398) which fits with *E. scutellaris*.

(1399 = 1140) p. 524: not *Lomacantha parra*, but an *Eggeria* sp. similar to *E. fasciata* ex *Athroolopha chrysitaria*. Correction of BRAUER & BERGENSTAMM 1894: 558. – The few morphological differences from *E. fasciata* mentioned by BRAUER agree with *Chaetogena rondaniana*. The species is cited as *Phorocera*, subg. *Eggeria*, *parra* B.B. by BEZZI 1907: 317, and as *Phorocera parra* B.B. by BAER 1921: 354 (reprint p. 133). In the THOMPSON catalogue (with reference to BAER) it is wrongly cited as *Phorocera parva* Bigot (Nearctic species of uncertain systematic position). MESNIL 1960: 616 has wrongly synonymized it with *Spoggosia echinura* (= *Chaetogena obliquata*) and wrongly listed the host (as *Eurrhanthis pennigeraria* var. *chrysitaria*) under that species on p. 618.

(1400a)* *Eggeria* sp. (misid. = *Chaetogena obliquata*, in NHMW) ex *Bombyx* (= *Lasiocampa*) *trifolii*, Berlin.

(1400b) *Eggeria* sp. (identity unknown) ex *Cucullia umbratica*.

(1400c) – – (– –) ex *Sphinx* (= *Celerio*) *euphorbiae*.

(1401) to nos. 1400a, b, c: The hosts *Lasiocampa trifolii*, *Cucullia umbratica* and *Celerio euphorbiae* have been wrongly cited under *Eggeria* (= *Chaetogena*) *fasciata* by BEZZI 1907: 317.

(1402) p. 543: *Bactromyia scutelligera* (= *Bactromyia aurulenta*) ex *Platypteryx* (= *Drepana*) *falcataria*, Berlin.

CHAPMAN 1898

(1403)* p. 143: A tachinid species (= *Phryxe hirta*, in OXUM) frequently emerging from cocoons of *Heterogynis penella*, Digne (Basses-Alpes, F). It was determined by three dipterists differently as *Demoticus plebejus* (misid.), *Blepharidea* near *vulgaris* (approximately correct) or *Ceromasia* sp. (misid.).

FLAMMARY 1898

(1404) p. 31: *Tachina silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*, Mâcon (Sâone-et-Loire, F), ca. 20 out of one host.

JABLONOWSKI 1898

(1405) p. 45: *Ceromasia interrupta*, det. BRAUER (prb. misid. = prb. *Lydella thompsoni*) ex *Botys* (= *Ostrinia*) *nubilalis*, Hungary.

(1406)* – – (= *Lydella stabulans*) ex *Helotropha* (= *Celaena*) *leucostigma*, no locality – I have seen 1 ♀ of *L. stabulans* bred from *H. leucostigma* and determined as *C. interrupta* in coll. BRAUER in NHMW (HERTING 1960: 82).

PANTEL 1898

(1407 = 1394) pp. 43–75: *Thrixion halidayanum* (= *Thrixion aberrans*) parasite of *Leptynia hispanica*, Spain, biology and larval morphology. Fig. 1: egg with young larva in it. Fig. 2: 1st stage larva total. Fig. 3: pharyngeal skeleton. Fig. 4: hind spiracles. Fig. 5: first 3 segments from below. Fig. 6: early 2nd stage total. Fig. 7: hind end from above. Fig. 8: hind spiracle. Fig. 9: older 2nd stage, hind spiracles. Fig. 14: pharyngeal skeleton. Fig. 16: larval head. Fig. 10: 3rd stage total. Fig. 11: larval head and antennae.

Fig. 15: the same, more enlarged. Fig. 12: puparium from above. Fig. 13: the same, anterior view. Fig. 17: host with parasite eggs on metanotum and hind femur, respiratory openings of parasite larvae on the sides of the abdominal segments II–IV. Fig. 18: atrophied ovaries of a parasitized host. Figs. 20–104: internal anatomy and histology of 3rd and 2nd larval stages of *Thrixion*.

RIEDEL 1898

(1408)* p. 56: *Chaetolyga xanthogastra* (misid. = *Winthemia cruentata*) ex *Acherontia atropos*, ca. 12 specimens from one host. – Published again by RIEDEL 1899: 277, and 1908: 134. Bred by KORTHALS, Rügenwalde (now Darłowo, Poland). 1 ♀ is preserved in coll. RIEDEL, ZMHB.

(1409) – – (– = – –?) ex *Gastropacha* (= *Dendrolimus*) *pini*, SCHWÖRER, Leipzig. – Host wrong? *Hyloicus pinastri*? A *Winthemia* as parasite of *D. pini* has never been confirmed. MESNIL 1949: 88 has wrongly synonymized *W. xanthogastra* with *W. bohemani*, and in addition to *D. pini* he cites the hosts *Smerinthus ocellatus* and *S. populi* with wrong reference to RIEDEL. He has apparently misunderstood the host list of *W. xanthogastra* in BAER 1921: 141 (reprint p. 107), in which *D. pini* with reference to RIEDEL is preceded by the two *Smerinthus* hosts without reference (i. e. quoted from BEZZI 1907: 233). Their original records are the nos. 1048 and 1049.

STROBL 1898

Specimens in the collection of the Museum Sarajevo (Bosnia).

(1410) p. 600: *Exorista excisa* (prb. misid. = ?*Carcelia bombylans*) ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*.

(1411) p. 601: *Masicera pupiphaga* (= *Sturmia bella*) ex *Lasiocampa* (= *Gastropacha*) *quercifolia*, and (1412) *Vanessa cardui*.

(1413) *Masicera ferruginea* (sensu Brauer = *Erycia* sp.) ex *Melitaea provincialis* (= *M. aurinia*). – In other cases, *E. furibunda* has been bred from *M. aurinia*.

WULP & MEIJERE 1898

Rearings in the Netherlands. Records published already in preceding papers (WULP 1869, MEIJERE 1896) are omitted in the following abstract. *Specimens in ZMAN.

(1414) p. 79: *Plagia aurifluae* (= *Hyleorus elatus*) ex *Liparis auriflua* (= *Euproctis similis*), 's Gravenhage, WULP.

(1415)* p. 81: *Exorista vulgaris* (misid. = *Phryxe erythrostoma*, 2 ♂♂ seen) ex *Sphinx* (= *Hyloicus*) *pinastri*, Doesburg, MEIJERE.

(1416) *E. confinis* (= *Aplomyia confinis*) ex *Thecla* (= *Nordmannia*) *ilicis*, de Steeg, MEIJERE.

(1417) *E. fimbriata* (prb. misid. = prb. *Phryxe nemea*) ex *Thamnonoma* (= *Semiothisa*) *wauaria*, Rotterdam, FRANSEN.

(1418) *E. excisa* (prb. misid. = prb. *Zenillia libatrix*) ex *Cnethocampa* (= *Thaumetopoea*) *processionea*, Breda, HEYLAERTS. – Misidentification of *Z. libatrix* as *E. excisa* by WULP see no. 575.

(1419) – – (– = –) ex *Pygaera* (= *Clostera*) *curtula*, Breda, HEYLAERTS.

(1420)* *E. lucorum* (misid. = *Carcelia atricosta*, 1 ♂) ex *Orgyia antiqua*, Haarlem, RITSEMA.

(1421) – – (misid. = *Carcelia gnava*, det. SIJSTERMANS, pers. comm. by DE JONG) ex *Orgyia* (= *Dasychira*) *pudibunda*, 's Gravenhage, WULP.

(1422)* – – (misid. = *Senometopia separata*) ex *Endromis versicolora*, Putten, OUDEMANS. – I have seen 1 ♂ and 1 ♀, bred V.1890, and in addition 3 ♀♀, bred 1920, same host, locality and breeder.

(1423)* *E. agnata* (misid. = *Phryxe nemea*) ex *Abraxas grossulariata*, Amsterdam, MEIJERE. – Correctly determined by MEIJERE 1907, no. 1625. *E. agnata* is *Phebellia nigripalpis*. BAER 1921: 146 (reprint p. 112) wrongly cites *E. agnata* as probable synonym of *E.* (= *Phebellia*) *glauca*, because he has misunderstood the remark of VILLENEUVE 1907: 263. LUNDBECK 1927: 317, has adopted this mistake and included *A. grossulariata* wrongly in the host list of *glauca*.

(1424) p. 83: *Masicera bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, VOLLENHOVEN.

(1425) *Phorocera concinnata* (= *Compsilura concinnata*) ex *Papilio machaon*, (1426) *Bombyx* (= *Malacosoma*) *neustria*, (1427) *Plusia festucae*, (1428) *Hyponomeuta variabilis* (= *H. padella*), (1429) *Vanessa* (= *Nymphalis*) *polychloros*, (1430) *Vanessa* (= *Inachis*) *io*, (1431) *Bombyx* (= *Trichiura*) *crataegi*, (1432) *Hadena* (= *Mamestra*) *oleracea*, (1433) *H.* (= *M.*) *persicariae*, (1434) *H.* (= *M.*) *brassicae*, (1435) *Pieris brassicae*, and (1436) *Abraxas grossulariata*. – 1425–1428 bred by FRANSEN, 1429 by SCHEPMAN, 1430–1434 by OUDEMANS, and 1435–1436 by MEIJERE.

(1437)* p. 85: *Thryptocera pilipennis* (misid. = *Actia crassicornis*) ex *Depressaria scopariella*, Arnhem, SNELLEN. – Only thorax and wings are preserved in the two specimens.

(1438) *Thryptocera setipennis* (= *Triarthria setipennis*) ex *Notodonta dictaea* (= *Pheosia tremula*), Maastricht, MAURISSEN. – The true host was very likely a *Forficula*.

(1439) *Thryptocera infantula* (misid. = *Actia nudibasis*, redetermined by MEIJERE 1928a: 61) ex *Retinia* (= *Petrova*) *resinella*, and (1440) *Grapholitha* (= *Cydia*) *cosmophorana*, both Exaeten, WASMANN. – The two hosts are listed by BEZZI 1907: 389, and BAER 1921: 372 (reprint p. 152) under *Actia infantula*, but the THOMPSON catalogue, by lapse, quotes *Actia frontalis* (= *A. lamia*) as parasite of *Laspeyresia* (= *Cydia*) *cosmophorana*, with reference to BAER. MESNIL 1963: 825 has wrongly referred this host to *Actia nigroscutellata* (syn. *A. infantula* sensu Stein, not Zetterstedt). The parasite was *A. nudibasis*, as stated under no. 1439.

(1441) p. 87: *Degeeria fascinans* (= *Bessa selecta*) ex *Hylotoma rosarum* (= *Arge ochropa*), Leiden, RITSEMA. – The identity of *D. fascinans* with *Ptychomyia* (= *Bessa*) *selecta* has been confirmed by MEIJERE 1919: 193. Wrongly cited in the THOMPSON catalogue (reference to BAER 1921) as *Medina* "*fasciata*".

YERBURY 1898

(1442) p. XVIII: *Phorocera concinnata* (= *Compsilura concinnata*) ex *Pieris brassicae*, Hyères (Côte d'Azur, F).

AURIVILLIUS 1899

(1443) p. 281: *Tachina fasciata* (= *Exorista fasciata*) ex *Lymantria monacha*, RAMSTEDT, Sweden.

GIRSCHNER 1899

Most of the specimens were reared by RIEDEL. Those marked by asterisk (seen by me) are preserved either in coll. RIEDEL (ZMHB), or in coll. GIRSCHNER (BMNH). Localities in Germany (not stated). [According to collection data of material stored in ZMHB, Riedel collected near Leipzig in 1893 and 1894, but lived in Rügenwalde (= Darłowo, Poland) from 1895 on, so his own breedings are not necessarily all from Germany.]

(1444) p. 177: *Atropidomyia parvula* (= *Billaea irrorata*) ex *Saperda populnea*.

(1445)* *Gymnoparea pilipennis* (= *Actia pilipennis*) ex *Tortrix viridana* (ZMHB).

(1446) – – (misid. = *Actia nudibasis*) ex *T.* (= *Petrova*) *resinella*.

(1447) – – (misid. = *A. nudibasis*) ex *T.* (= *Rhyacionia*) *buoliana*.

(1448) *Prosopodes fugax* (= *Bessa parallela*) ex *Tortrix viridana*.

(1449)* p. 178: *Phorichaeta cunctans* (misid. = *Ramonda prunicia*) ex *Agrotis* sp. (= Agrotinae indet.) (ZMHB).

(1450) *Erigone radicum* (= *Eurithia anthophila*) ex *Sphinx* (= *Celerio*) *galii*, (1451) *Sphinx* (= *Deilephila*) *elpenor*, and (1452) *Vanessa* (= *Inachis*) *io*.

(1453) *Compsilura concinnata* ex *Vanessa* (= *Araschnia*) *levana* (Reichert), (1454) *V.* (= *Nymphalis*) *antiopa*, and (1455) *V.* (= *Aglais*) *urticae*.

(1456)* *Myxexorista resinellae* n. sp. (= *Diplostichus janitrix* ♂) ex *Retinia* (= *Petrova*) *resinella* (host wrong). (BMNH). – Cited by Bezzi 1907: 280, as valid species in the genus *Zenillia*. Mesnil 1954: 326 wrongly synonymized it with *Z. libatrix*, he cites the host *Evetria resinella* with reference to Girschner in the host list of that species, but the name *M. resinellae* is missing in the list of synonyms of *Z. libatrix* on p. 324. *D. janitrix* is a parasite of *Diprion* spp.

(1457) *Dexodes piniariae* (= *Blondelia piniariae*) ex *Bupalus piniarius*.

(1458) – – (misid. = *Blondelia nigripes*) ex *Hybernia* sp. (= *Erannis* sp.).

(1459)* *Parexorista polychaeta* (= *Huebneria affinis*) ex *Vanessa* (= *Aglais*) *urticae* (BMNH).

(1460)* *P. confinis* (= *Aplomyia confinis*) ex *Thecla quercus* (ZMHB).

(1461) – – (or misid.) ex *Arctia* (= *Rhyparia*) *purpurea*, Wagner. – The host is atypical for this tachinid.

(1462) *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Hesperia* (= *Thymelicus*) *lineola*.

(1463) *Masicera sylvatica* (prb. misid. = prb. *Masicera sphingivora*) ex *Sphinx ligustri*, Schwörer.

(1464)* p. 179: *Hemimasicera gyrovaga* (misid. = *Drino galii*) ex *Sphinx* (= *Celerio*) *galii* (ZMHB, BMNH).

(1465) *Sturmia bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*.

(1466) p. 185: *Sisyropa lucorum* (prb. misid. = prb. *Senometopia separata*) ex *Endromis versicolora*, Wagner.

(1467) *Sisyropa gnava* (= *Carcelia gnava*) ex *Bombyx* (= *Leucoma*) *salicis*.

(1468) – – (prb. misid. = prb. *C. rasa*) ex *Orgyia antiqua*, Junkel.

Meijere 1899

(1469)* p. 29: *Tachina larvarum* (misid. = *Exorista fasciata*, ZMAN, 5 ♂♂ seen) ex *Bombyx* (= *Macrothylacia*) *rubi*, Polak, Schoonoord in Drenthe (NL), numerous.

Novak 1899

(1470) p. 90: Tachinid sp. (= prb. *Drino atropivora*) ex *Acherontia atropos*, very large numbers, one third of the host larvae parasitized. – According to Pabst 1899: 107 the locality was Dalmatia (Croatia).

Sasaki 1899

(1471) p. 25: *Tachina rustica* (misid. = prb. *Exorista sorbillans*) parasite of silkworms (= *Bombyx mori*), east coast of China [+ Japan, following Shima 1999]. A few data on life history, 4 figures.

(1472) p. 27: prb. the same species parasitizes *Theophila* (= *Bombyx*) *mandarina* in Japan.

Seurat 1899

(1473) p. 140: *Siphona cristata* (= *Siphona* sp., ?*collini*) ex *Agrotis segetum*, Marne (F).

Tutt 1899

(1474) p. 24: *Blepharidea vulgaris* (prb. misid. = prb. *Phryxe magnicornis*) ex *Anthrocera trifolii* var. *palustris* (= *Zygaena trifolii*), Rennes (Bretagne, France).

Bezzi 1900

(1475) p. 97: *Steinia protuberans* (= *Cleonice callida*) frequent on *Populus tremula* and presumed to be parasite of *Lina* (= *Melasoma*) *populi* and *L.* (= *M.*) *tremulae*. – Quoted by Bezzi 1907: 411, with ? as host records. Verified by Nielsen 1909.

Del Guercio 1900a

Ex *Agrotis ypsilon*, Piana di Bientina (Toscana, I), p. 292. The adult flies are illustrated in figs. 19–24: (1476) *Gonia ornata*, fig. 21 (♂), (1477) *Cnephalia hebes*, fig. 23 (= *Spallanzania hebes*, ♀), and (1478) *Echinomyia conjuncta*, fig. 19 (misid. = prb. *Peleteria rubescens*). – *E. conjuncta* is *Tachina magnicornis*, but fig. 19 shows the characters of *P. rubescens* (broad parafacials and the abdominal tergite 2 without dorsal marginal bristles).

(1479) *Micropalpus sophia*, fig. 24 (= prb. *Linnaemyia comta*). – Fig. 24 has the wing venation and the prominent frons of *L. comta* [but the abdomen with its sharply delimited bands of pruinescence clearly differs from this genus]. *Linnaemyia sophia* Rob.-Desv. is a species of unknown identity.

(1480) *Chetolyga pilifera*?, fig. 20 (misid. = prb. *Spallanzania hebes* ♂). – The true *C. pilifera* Rondani is *Timavia amoena*, but the head and wing venation of that species is quite different from fig. 20.

Del Guercio 1900b

(1481) p. 322: *Masicera casta* (= *Cadurcia casta*) ex *Simaethis* (= *Anthophila*) *nemorana*, Lecce and/or Calabria (I). Fig. 14: adult.

Del Guercio 1900c

(1482) p. 155: *Tachina noctuarum* (= *Exorista larvarum*) ex *Heliothis armigera*, Piana di Bientina (Toscana, Italy).

Myslovski 1900

(1483) p. 3: *Microphthalma longifacies* (= *Microphthalma europaea*) ex *Melolontha hippocastani*, Ufa prov. (Bashkiria, Russia). – Cited also by Tarnani 1900: XLIX.

Porta 1900

(1484) p. 39: *Viviania pacta* (= *Zaira cinerea*) ex *Zabrus tenebrioides*, Parma (I) [cited also by Porta 1901].

Speiser 1900

(1485) p. 277: *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Vanessa* (= *Nymphalis*) *polychloros*.

(1486) *Chaetolyga cruentata* (= *Winthemia cruentata*, or misid.) ex *Dasychira pudibunda*, Jonas.

Locality: Königsberg, East Prussia (now Kaliningrad, Russia).

Tarnani 1900

(1487) p. XLVIII: *Dexia rustica* ex *Melolontha melolontha*, Radom (Poland).

Villeneuve 1900

(1488) p. 159: *Exorista gnava* (= *Carcelia gnava*) ex *Orgyia* (= *Dasychira*) *pudibunda*.

Buckler 1901

The Appendix of Vol. IX includes the following two tachinid records:

(1489) p. 386: *Exorista fauna* (misid. = prb. *Xylotachina diluta*) ex *Cossus ligniperda* (= *C. cossus*), emerged after hibernation of the (host) larvae, Bignell. – This is apparently a

renewed breeding by BIGNELL, independent of the first record which was published by MEADE 1882: 24 (no. 746), and cited in BUCKLER 1887: 168. Details about the misidentification of the parasite see under no. 746.

(1490) p. 387: *Tachina larvarum* (= *Exorista larvarum*, or misid. = *E. fasciata*) ex *Lasiocampa* (= *Macrothylacia*) *rubi*, emerged after hibernation of the (host) larvae, before pupating, CLUTTEN.

CHAPMAN 1901

(1491) p. 62: Tachinid sp. (= prb. *Chaetogena filipalpis*, see CHAPMAN 1902a) ex *Acanthopsyche opacella* (= *A. atra*). – The locality Locarno (Switzerland) is stated in a preceding paper on *A. opacella* (CHAPMAN 1900: 403).

GIRSCHNER 1901

(1492) p. 70: *Uclesia fumipennis* n. sp. ex "*Chondrostoma*" (= *Chondrostega*) *vandalicia*, PANTEL, Spain.

PORCHINSKI 1901

The parasite or host lists are those of BRAUER & BERGENSTAMM 1894, supplemented by other literature data and new records from the author's own determinations. There are neither references nor annotations, except in one case (p. 22). I cite here the records not found in preceding publications:

p. 7: Ex zlatoguzki (= *Euproctis chrysorrhoea*). – Three new records: (1493) *Tachina larvarum* (= *Exorista larvarum*), (1494) *Chaetotachina rustica* (= *E. rustica*, prb. misid., identity unknown), and (1495) *Dexodes nigripes* (= *Blondelia nigripes*).

p. 15, footnote [and p. 17]: Hosts of *Dexodes nigripes* (= *Blondelia nigripes*). – One new host: (1496) *Aporia crataegi*.

p. 17: Ex boyaryshnitsa (= *Aporia crataegi*). – Two new records: (1497) *Echinomyia praeceps* (= *Tachina praeceps*), and (1498) *Compsilura concinnata*.

p. 19: Hosts of *Blepharidea vulgaris* (= *Phryxe vulgaris*). – One new record (prb. misid.): (1499) *Pyralis silacealis* (= *Ostrinia nubilalis*). – The parasite was prb. not *P. vulgaris*, but *Pseudoperichaeta nigrolineata*.

p. 22, footnote: (1500 = 1338) *Masicera bella* (= *Sturmia bella*, or misid. = *Drino inconspicua*) ex neparnogo shelkopryada (= *Lymantria dispar*), YAROSHEVSKI, Kharkov.

p. 24: Rearings at Kharkov (Ukraine): (1501) *Argyrophylax pupiphaga* (= *Sturmia bella*) ex *Vanessa* (= *Aglais*) *urticae*, and (1502) *V.* (= *Inachis*) *io*.

SEREBRYANIKOV 1901

(1503) p. 102: *Zygobothria bimaculata* (= *Drino inconspicua*) ex *Gastropacha* (= *Dendrolimus*) *pini*, Yaroslavl prov. (Russia), up to 7 parasite larvae in one host.

SOKOLOV 1901

(1504) pp. 70–71: Phasiinae larvae (= prb. *Ectophasia oblonga*) parasitic in adult *Eurygaster maura* (prb. misid. = prb. *E. integriceps*), Kuban and Terek regions (Ciscaucasia). – VASIL'EV 1904: 23, identified the larvae given to him by SOKOLOV as belonging to *Phasia crassipennis* (= *Ectophasia* sp.).

TARNANI 1901[a]

(1505) pp. 3, 8–32: *Dexia rustica* parasite of *Melolontha vulgaris* (= *M. melolontha*), Radom prov. (Poland). Fig. 1: egg. Fig. 3: 1st stage larva. Figs. 6–9: 2nd stage. Figs. 10–16: 3rd stage and puparium. Fig. 17: funnel.

(1506) pp. 3, 16, 19: *Dexia vacua* larvae accepted *M. melolontha* grubs in experiment, 2nd stage was observed, success of parasitism not ascertained. Fig. 2: egg. Fig. 4: 1st stage larva.

(1507) pp. 3, 16, 17: *Dexiosoma canina* larvae bored into *M. melolontha* grubs in experiment, success of parasitism not ascertained. Fig. 5: 1st stage larva.

pp. 9–11: Occurrence of the adults of the three species in natural habitats.

[Records cited also by TARNINI 1901b.]

BENGTSSON 1902

Ex *Lymantria monacha* in Södermanland (Sweden), reared in summer without hibernation, p. 168: (1508) *Tachina fasciata* (= *Exorista fasciata*), (1509) *T. pumicata* (misid. = prb. *Pales pavida*), and (1510) *Exorista* sp. similar to *E.* (= *Phryxe*) *vulgaris* (identity unknown).

CHAPMAN 1902a

(1511)* p. 111: *Stomatomyia filipalpis* (= *Chaetogena filipalpis*, in OXUM) ex *Acanthopsyche atra*. From the newly reared specimens he concluded that the previously observed crippled tachinid (CHAPMAN 1901: 62) was probably also *S. filipalpis*. – The locality (Locarno, Switzerland, see CHAPMAN 1900: 403) is not mentioned. The host is wrongly cited as *Oreopsyche atra* (= *O. plumifera*) by BEZZI 1907: 355. EMDEN 1954: 69 cites *Pachythelia opacella* H. S. (= *A. atra*) as host of *Stomatomyia* (= *Chaetogena*) *acuminata*, with the remark "as *Stom. filipalpis*" in parentheses. He wrongly supposed this record to be a British one and assumed a misidentification of the tachinid, because *S.* (= *C.*) *filipalpis* does not occur in Britain.

CHAPMAN 1902b

(1512)* p. 122: Tachinid with exaggerated characters of the *Plagia*-group (= *Hyleorus nudinerva*) ex *Albarracina korbi* (= *A. warionis*), Sierra de Albarracin (Spain), all collected host larvae parasitized. – The specimens are kept in the collection WAINWRIGHT in BMNH, and two of them were sent to me for revision. VILLENEUVE 1920b: 200, has described the species as *Plagia elata* var. *nudinerva*, n. var. from that collection, but he does not mention the host.

PANTEL 1902

(1513) p. 56: *Meigenia floralis* (= *Meigenia* sp.) parasite of *Crioceris asparagi*, Vals near Le Puy (Haute-Loire) [locality from footnote in PANTEL 1910: 161]. Biology.

RIBAGA 1902

(1514) p. 179: *Acemyia subrotunda* (prb. misid. = prb. *Metacemyia calloti*) ex *Acridium lineola* (= *Anacridium aegyptium*), Portici near Naples (Italy). More than 20 parasite larvae in one host. *Acemyia subrotunda* is *A. acuticornis*.

STROBL 1902

All specimens reared by WINNEGUTH in Yugoslavia.

(1515) p. 547: *Exorista lota* (misid. = *Townsendiellomyia nidicola*) ex *Bombyx neustria* (prb. wrong = prb. *Euproctis chrysorrhoea*), Gabela (Bosnia). – It is stated in STROBL's handwritten catalogue (NMBA) that the specimen has been identified by VILLENEUVE as *Hemimasicera schnabli* (= *Townsendiellomyia nidicola*). The flight period of this parasite is in late summer, when no larvae of *Malacosoma neustria*, but young caterpillars of its normal host *Euproctis chrysorrhoea* are present.

(1516) *Masicera atropivora* (= *Drino atropivora*) ex *Notodonta trepida* (= *Peridea anceps*, host wrong?), Domanovici (Hercegovina), 46 specimens. – One larva of this host species is much too small to produce such a number of flies. The normal host of this parasite is *Acherontia atropos*, and on a badly written label, '*atropos*' could have been misread as '*trepida*'.

THALHAMMER 1902

A paper on the Diptera of Transsylvania (Romania), but the two host records were obtained "itthon" (= at home), probably in Kalocsa (Hungary).

(1517) p. 16: *Eupogona setifacies* (= *Buquetia musca*) ex *Papilio machaon*.

(1518) *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Aporia crataegi*, many specimens.

VASIL'EV 1902a

Locality: SW part of Ufa prov. (Bashkiria), unless otherwise stated.

(1519) pp. 21–24: *Thryptocera latifrons* (= *Goniocera versicolor*) ex boyaryshnitsa (= *Aporia crataegi*), first adult reared 27th April. Ovolarviparous species, females collected in an oak forest on a nest of *Malacosoma* accepted *Aporia* larvae in captivity, the deposited parasite larvae bored into the host (fig. 8), description of the larvae, 1st stage (fig. 9).

(1520) – – common parasite of kolchatago shelkopryada (= *Malacosoma neustria*). Behaviour of ovipositing females in a nest of young caterpillars: sitting besides the host, erecting the body and stretching the ovipositor forward to the skin of the host. The full-grown parasite larvae left the hosts 17th to 28th June, the puparia hibernated.

(1521) pp. 24–26: *Setigena assimilis* (= *Phorocera assimilis*) eggs often found on *Aporia crataegi* larvae from 4th May onwards. Oviparous, the eggs (fig. 11) are of the unincubated, planoconvex, dehiscent type. Oviposition was observed in the field and in captivity, the flies jumped on the caterpillar in a quick attack. 1st stage larva described (fig. 12). The rearing failed because the hosts bearing eggs of *Phorocera* were already killed at the end of May by the following species:

(1522) pp. 26–28: *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Aporia crataegi*, numerous. Ovolarviparous species, quick attack by jumping on the caterpillar, 1st stage larva described (fig. 14).

(1523) p. 27: – – ex *Clisiocampa* (= *Malacosoma*) *neustria*.

(1524) – – ex *Orgyia antiqua*.

(1525) p. 26: *Parexorista lucorum* (prb. misid. = ?*Senometopia separata*) ex *Ocneria* (= *Lymantria*) *dispar*. Also cited on p. 29.

(1526) – – (prb. misid. = prb. *Carcelia gnava*) ex *Clisiocampa* (= *Malacosoma*) *neustria*.

(1527) p. 27: *Phorocera processioneae* (sensu MIK & WACHTL 1895: 238 = *Pales pavida*) ex *Orgyia antiqua*.

(1528) p. 29: *Eutachina larvarum* (= *Exorista larvarum*) ex *Ocneria* (= *Lymantria*) *dispar*.

(1529) p. 33: *Masicera cespitum* (= *Ceromasia rubrifrons*, or misid.) ex *Aporia crataegi*, DUSKE (locality ?).

(1530) p. 33, footnote: *Dexodes nigripes* (= *Blondelia nigripes*) ex *Aporia crataegi*, orchards in Kiev (Ukraine), numerous, TORSKY and LEBEDEV.

VASIL'EV 1902b

Ex *Lasiocampa* (= *Dendrolimus*) *pini*, Kupyansk, Ukraine, p. VIII, footnote: (1531) *Eutachina larvarum* (= *Exorista larvarum* or misid. = *E. fasciata*), (1532) *E. winnertzi* (= *Exorista xanthaspis*), (1533) *Masicera sylvatica* (prb. misid. = prb. *Masicera sphingivora*), and (1534) *Zygobothria bimaculata* (= *Drino inconspicua*).

Ex *Lyda pratensis* (= *Acantholyda posticalis*), Starobelsk, Ukraine, p. IX: (1535) Undetermined tachinids (= prb. *Pseudopachystylum gonioides* and/or *Myxexoristops bonsdorffi*) parasitizing up to 30 % of the overwintering larvae.

[YERBURY 1902, see TSCHORSNIG 2017]

BERLESE 1903, see MARTELLI 1903

FITCH 1903

(1536) p. 11: *Exorista vulgaris* (prb. misid. = prb. *Phryxe nemea*) most frequent tachinid parasite of *Abraxas grossulariata*, Britain. No details.

MARTELLI 1903

(1537) p. 368: *Parasetigena segregata* (prb. misid. = prb. *Exorista segregata*) ex *Pieris brassicae*, Cortino (Teramo, Italy), 54 of 150 hosts parasitized. Up to 37 eggs found on one host. – Illustrations in BERLESE 1903: Tav. I, fig. 8: puparium in empty host pupa. Tav. II, fig. 15: adult fly.

[NIWA 1903, see SHIMA 1999]

ROSSIKOV 1903

Ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*, Ukraine and Southern Russia:

(1538) pp. 65, 69, 74, 75: *Eutachina erucarum* (misid. = *Exorista civilis*), most common parasite. Fig. 21: adult fly. – This host record is wrongly listed under *Exorista pratensis* (= *E. mimula*) by MESNIL 1960: 567.

(1539) pp. 66, 74: *Tritochaeta polleniella* (= *Clemelis pullata*). Fig. 10: puparium in the pupal skin of the host. Fig. 20: adult fly.

(1540) pp. 66, 75: *Nemorilla maculosa* (prb. correct), the rarest one of the Dipterous parasites. Fig. 9: puparium besides remnants of the caterpillar in the host cocoon. Fig. 19: adult fly.

SCHNABL & MOKRZECKI 1903

(1541) p. 212: *Thryptocera pomonellae* n. sp. (= *Neoplectops pomonellae*) ex *Carpocapsa* (= *Cydia*) *pomonella*, Crimea.

SPARKE 1903

(1542) p. 318: *Blepharidea vulgaris* (= *Phryxe vulgaris* or, more likely, misid. = *Phryxe nemea*) ex *Abraxas grossulariata*, second generation, Tooting (London).

SPEISER 1903

(1543) p. 163: *Compsilura concinnata* ex *Vanessa* (= *Nymphalis*) *polychloros*, East Prussia (now Russia [or Poland]), STURMHOEFEL.

VANEY & CONTE 1903

(1544) p. 1275: *Degeeria funebris* (prb. misid. = prb. *Medina luctuosa*) parasite of adult *Haltica ampelophaga*, Saint-Chamond (Loire, F), up to 35 %. – Wrongly synonymized by BAER 1921: 373 (reprint p. 153) with *Arrhinomyia* (= *Leiophora*) *innoxia* (see also no. 2094).

TARNANI 1904

Locality: Novo Aleksandriya (= Puławy, Poland).

(1545) p. XIX: *Chaetolyga xanthogastra* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*, 48 adults and 43 dead parasite larvae from one host.

(1546) p. XX: *C. quadripustulata* (= *Winthemia quadripustulata*) ex *Cucullia verbasci*.

VASIL'EV 1904

The numbers after the slash are the pages and figures in the third edition (VASIL'EV 1913a).

(1547) pp. 23–30/33–40: *Phasia crassipennis* (misid. = *Ectophasia oblonga*) parasite of vrednaya cherepashka (= *Eurygaster integriceps*), Kharkov prov., Ukraine. Figs. 3/9: adult fly. Figs. 4–5/10–11: egg and its location on the host. Figs. 6–8/12–14: 2nd stage larva, anterior part and hind spiracles. Figs. 9–11/15–

17: hind spiracles and posterior part of 3rd stage, puparium. – According to Dupuis 1963: 226–228, the deposition of the eggs on the dorsolateral surface of the first abdominal segments of the host indicates that the parasite was not *Ectophasia rostrata* (= *E. crassipennis*), but *E. rubra* (= *E. oblonga*).

pp. 30–31/40–41: Alternative hosts for the second generation of *P. crassipennis* (= prb. *Ectophasia oblonga*) are: (1548) *Carpocoris fuscispinus* (= *C. pudicus*), (1549) *C. nigricornis* (= *C. pudicus*), (1550) *Mormidea* (= *Dolycoris*) *baccarum*, and (1551) *Aelia* sp. – The parasite hibernates as 2nd stage larva in these species.

(1552) pp. 31–34/41–44: *Anantha lateralis* (= *Elomyia lateralis*) parasite of *Eurygaster integriceps* in Transcaspia (= Turkmenia). Figs. 12/18: wing. Figs. 13–14/19–20: egg, hooks at its posterior end. Figs. 15/21: pharyngeal skeleton of 3rd stage larva. Figs. 16–17/22–23: 2nd stage, anterior and posterior part. Figs. 18/24: 3rd stage seen from the ventral side.

Friederichs 1905

(1553) p. 494: *Exorista vulgaris* (misid. = *Phryxe caudata*) ex *Thaumetopoea pityocampa*, numerous, Villafranca (= Villefranche, Côte d'Azur, France).

Jenner 1905

(1554) p. 222: *Alophora hemiptera* (= *Phasia hemiptera*) ex *Bombyx* (= *Malacosoma*) *neustria*, Felpham (Sussex, GB). – The host is certainly wrong, because the *Phasia* are parasites of Hemiptera Heteroptera.

[Matsumura 1905, see Shima 1999]

Porchinski in Vasil'ev 1905a

p. 59: Host list of *Tachina larvarum* (= *Exorista larvarum*) without references.

The following hosts have not been found by me in preceding literature and their record is probably based on specimens seen and determined by Porchinski: (1555) ex *Simyra dentinosa*, (1556) *Calocampa exoleta*, and (1557) *Cucullia verbasci*.

Rodzianko 1905

(1558) p. 696: *Hypostena setiventris*, det. Yaroshevski (= *Leiophora innoxia*) ex larvae of *Tettix* (= *Tetrix*) *bipunctatus*, Lubny near Poltava, Ukraine. – Belanovsky 1953: 206 has seen 1 ♂ of *Elodia* (= *Leiophora*) *innoxia* reared 6.V.1888 from *Acridium* (= *Tetrix*) *bipunctatum*. He cites it as bred by Yaroshevski, but it probably came from the rearing of Rodzianko.

Rudow 1905

Parasites of *Bombyx* (= *Dendrolimus*) *pini*, Perleberg (Brandenburg, Germany): (1559) p. 69: *Echinomyia fera* (= *Tachina fera*), (1560) *E. ferox* (prb. misid. = prb. *T. magnicornis*), and (1561) *E. tessellata* (= *T. magnicornis*). – All records of this author are very questionable and in most cases wrong.

Schreiner 1905

(1562) p. 24: *Nemorilla maculosa* (= *Nemorilla* sp.) ex *Carpocapsa pomonella*, Russia.

Silant'ev 1905

(1563) p. 106: *Phorichaeta carbonaria* (= *Periscepsia carbonaria*) ex *Agrotis* (= *Euxoa*) *tritici*, Sevastopol (Crimea).

Vasil'ev 1905a(+b)

Ex *Dendrolimus pini*, Kharkov prov. (Ukraine):

(1564) p. 60: *Tachina winnertzi* (= *Exorista xanthaspis*) effective parasite in 1904. The egg is glued in most cases on the head of the caterpillar, fig. 11. In the 2nd edition (Vasil'ev 1913b) p. 59, fig. 14.

(1565) *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*), one of the most common parasite, hibernating as puparium (Vasil'ev 1905b: 175).

(1566) p. 61: *Argyrophylax bimaculata* (= *Drino inconspicua*), the female pursues the crawling caterpillar and larviposits on it (observed by Serebryanikov). In cases of delayed development of the host, the parasite hibernates a second time.

p. 55: The list of tachinid parasites of *Dendrolimus pini* is compiled by Porchinski from literature data and own determinations. The following records are (up to my knowledge) not published previously, but there is no indication, that they are based on rearings of Vasil'ev:

(1567) p. 58: *Echinomyia grossa* (= *Tachina grossa*), uterus of the female with mature eggs, figs. 8–9. In the 2nd edition (Vasil'ev 1913b) p. 57, figs. 11–12.

(1568) *Panzeria rudis* (= *Ernestia rudis*). – Puparia of this species may have been dug out from the soil, but their host was almost certainly *Panolis flammea*, not *Dendrolimus pini*.

(1569) p. 60: *Chaetotachina rustica* (= *Exorista rustica*). – Very unlikely. A parasite of Tenthredinidae, not of Lepidoptera.

(1570) p. 61: *Masicera cespitum* (?misid. = ?*Masicera sphingivora*, specimens in immature state with not fully darkened legs). – The true *M. cespitum* is *Ceromasia rubrifrons*.

Ex *Dendrolimus segregatus* (= *D. superans sibiricus*), Shadarinsk taiga, Irkutsk district (Siberia), p. 82 (1913: 81):

(1571) *Masicera cespitum* (?misid. = ?*Masicera sphingivora*, specimens in immature state, see above). – *M. sphingivora* (syn.: *M. zimini* Kolomiets) is a common parasite of *D. superans sibiricus*.

(1572) *Panzeria rudis* (= *Ernestia rudis*). – Host prb. wrong, not confirmed in later investigations, see Kolomiets 1962: 11.

Wainwright 1905a

(1573)* p. 72: *Prosopaea* sp. (misid. = *Gymnophryxe carthaginiensis*, in BMNH) ex *Ocnogyna baetica*, Madrid (Spain), Chapman. – The male has a broad frons with proclinate orbitals and was therefore mistaken by Wainwright to be a female. The reference and record is cited with ? under *Prosopea nigricans* by Bezzi 1907: 299.

Wainwright 1905b

(1574) p. 203: *Roeselia pallipes* (misid. = *Hebia flavipes*) ex *Taeniocampa* (= *Orthosia*) *miniosa*, Moore. – Determination corrected by Wainwright 1928: 203.

(1575) p. 206: *Tricholyga major* (= *Exorista grandis*) ex *Saturnia pavonia*.

Localities in Britain.

Willcocks 1905

(1576) p. 39: *Eutachina larvarum* (= *Exorista larvarum*) ex *Prodenia* (= *Spodoptera*) *littoralis*, Egypt.

(1577) p. 101: *Gonia capitata* common parasite of *Agrotis ypsilon*, Egypt.

Xambeu 1905

(1578) p. 57: *Exorista aristella* (misid. = *Phryxe prima*) parasite of *Zygaena fausta*, Pyrénées-Orientales. Some details on biology. – Cited also by Xambeu 1907: 185. Correct determination by Villeneuve 1908a: 100 (no. 1741).

Zschokke 1905

(1579a) p. 20: Tachinid larvae (identity unknown) in caterpillars of "Springwurm" (= *Sparganothis pilleriana*), Ellerstadt and Neustadt a. d. Haardt, up to 23 %.

(1579b) p. 21: Tachinid larvae (identity unknown) in hibernating pupae of "Sauerwurm der einbindigen Art" (= *Eupoecilia ambiguella*), Neustadt and Maikammer.

Localities in Rheinland-Pfalz, Germany.

BAER 1906

(1580)* p. 66: *Gymnopareia pilipennis* (misid. = *Actia nudibasis*, in Tharandt) ex *Dioryctria splendidella* on *Pinus strobus*, Zittau (Sachsen, Germany).

CZIŽEK 1906

(1581) p. 216: *Phorocera concinnata* (= *Compsilura concinnata*) ex Seidenspinner (= *Bombyx mori*) larvae, Brünn (= Brno, Moravia).

(1582) p. 217: *Masicera silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*, Adamstal (= Adamov near Brno).

HOWARD 1906

Parasites of *Ocneria* (= *Lymantria*) *dispar* sent by LEONARDI from Sardinia to USA, p. 132: (1583) *Tachina larvarum* (= *Exorista larvarum*), and (1584) a large number of puparia (= prb. *Blepharipa pratensis*) resting in diapause for hibernation.

MORLEY 1906

(1585) p. 270: *Exorista jucunda* (misid. = prb. *Carcelia gnava*) ex *Liparis* (= *Leucoma*) *salicis*, Sudbury (Suffolk), RANSOM. – According to WAINWRIGHT 1928: 246, *E. jucunda* of British authors is a *Carcelia* sp. The type of *E. jucunda* Meigen has been revised by VILLENEUVE 1907: 247, who stated its identity with *Bavaria mirabilis* B.B. This species does not occur in Britain, its valid name is *Cyzenis jucunda*, and its host is still unknown. It is cited by BEZZI 1907: 259 as *Nemorilla mirabilis*.

(1586) p. 271: *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Pieris rapae*, Epsom (Surrey), MORLEY.

(1587)* – – (misid. = *Phryxe nemea*, rev. BELSHAW) ex *Thecla quercus*, Wateringbury (Kent), GOODWIN.

(1588) – – (prb. misid. = prb. *Phryxe nemea*) ex *Abraxas grossulariata*, Tottenham (Middlesex), GIMINGHAM. Also bred by SPARKE (see no. 1542).

(1589) – – (misid.?, identity unknown) ex *Acronicta psi*, Methley (Yorkshire), WIGIN.

(1590) A doubtful species. similar to *B.* (= *P.*) *vulgaris* (identity unknown) ex *Hadena* (= *Mamestra*) *pisi*, PHILLIPS.

(1591) – – ex *Mamestra brassicae*, PHILLIPS.

(1592) *Frontina fugax* (= *Bessa parallela*, or misid.) ex *Acronicta psi*, Methley (Yorkshire), WIGIN. – FORDHAM 1935: 116, AUDCENT 1942: 7 and EMDEN 1954: 70 have synonymized the tachinid wrongly with *Bessa* (*Ptychomyia*) *selecta*. BAER 1921: 147 (reprint p. 113) has cited this breeding record wrongly under *Exorista* (= *Phebellia*) *glauca*, because he confounded *Frontina fugax* Rond. with *Exorista fugax* Rond., which VILLENEUVE 1907: 262 has synonymized (wrongly) with *E. glauca*.

(1593) pp. 271–272: *Phorocera serriventris* (= *Compsilura concinnata*) ex *Acronicta aceris*, Chiswick (London), HAGGART and SICH.

(1594) – – ex *Acronicta psi*, SICH.

(1595) – – ex dug pupa of *Taeniocampa* (= *Orthosia*) *gothica*, High Wycombe, Bucks., PEACHELL.

(1596) – – ex *Liparis* (= *Euproctis*) *chrysorrhoea*, DADD, Belgium.

(1597) – – ex *Spilosoma menthastri*, PHILLIPS.

(1598) p. 272: *Sisyropa hortulana* (= *Nilea hortulana*) ex *Acronicta psi*, WIGIN. – BAER 1921: 146 (reprint p. 112) has wrongly placed this record under *Carcelia* (= *Paratryphera*) *bisetosa*, because VILLENEUVE 1912b: 89 has cited *hortulana* Egg. (= sensu Egger, not Meigen) as synonym of *C. bisetosa*.

(1599)* *Tachina larvarum* (misid. = *E. fasciata*, in BMNH, rev. BELSHAW and seen by me) ex *Macrothylacia rubi*, Galashiels (Selkirk, Scotland), HAGGART.

(1600) – – (= *Exorista larvarum*, prb. correct) ex *Malacosoma neustria*, Bungay (Suffolk), CLUTTEN.

(1601) *Tachina rustica* (misid., identity unknown) ex *Acronicta aceris*, (1602) *Hadena* (= *Mamestra*) *oleracea*, and (1603) *Mamestra brassicae*. All three host species were reared by PHILLIPS, and the flies determined as probably referable to *T. rustica* by PIFFARD. – *Exorista rustica* is a parasite of Tenthredinidae, not of Lepidoptera.

(1604) *Thelymorpha vertiginosa* (= *Thelymorpha marmorata*) ex *Malacosoma neustria*, Bungay (Suffolk), CLUTTEN.

(1605) p. 273: Two puparia (identity unknown) ex *Spilosoma lubricipeda* (= *S. lutea*), CLUTTEN. Mentioned in one sentence with the following record under the heading *Myobia inanis*, but it is stated that the adult was not obtained and the species was not determined. – Wrongly cited as host of *M.* (= *Solieria*) *inanis* by AUDCENT 1942: 11 and EMDEN 1954: 45 (under *Leskia*).

(1606) *Myiobia inanis* (= *Solieria* sp., or misid.) ex dug pupae of *Taeniocampa instabilis* (= *Orthosia incerta*), Burnley (Lancashire), CLUTTEN. – Host prb. wrong. The known hosts of *Solieria* spp. are *Olethreutes* spp. larvae living on the roots of low plants.

(1607) *Erigone radicum* (= *Eurithia anthophila*) ex *Arctia lubricipeda* (= *Spilosoma lutea*), 11 specimens, Methley (Yorkshire), WIGIN. Emergence of the adults after hibernation in June.

(1608) *Plagia ruralis* (= *Voria ruralis*) ex *Plusia jota*, Burnley (Lancashire), CLUTTEN. The empty skin of the host larva was distended by 6 close-packed puparia.

(1609) *Digonochaeta spinipennis* (= *Triarthria setipennis*) emerged in a box containing *Scolytus intricatus*, Ipswich (Suffolk), MORLEY. – The bark beetle cannot be the host, it must have been a *Forficula*.

Localities in Britain, unless otherwise stated.

RAYNOR 1906

(1610) p. 297: *Euchloe* (= *Anthocharis*) *cardamines* heavily infested with grubs of a Dipteron, tentatively det. as *Exorista vulgaris* (= *Phryxe vulgaris*), Hazeleigh (GB).

ROUBAUD 1906

(1611) p. 1438: *Siphona cristata* (prb. misid. = prb. *Siphona geniculata*) parasite of *Tipula gigantea* (= *T. maxima*), France. – Parasites from a recent rearing of this host (Locality: Rheinland, Germany) [see IOBC-List 12] submitted to me for determination were *S. geniculata* with absent or small dorsal marginal bristles on the second abdominal tergite. Such specimens would run to *S. cristata* in the old keys.

SAHLBERG 1906

(1612)* p. 19: *Thryptocera crassicornis* (misid. = *Actia pilipennis*, in MZHF) ex *Simaethis* (= *Anthophila*) *pariana*, Karislojo (Finland).

TAVARES 1906

(1613) p. 89: *Thrixion halidayanum* (= *Thrixion aberrans*) ex *Bacillus gallicus* (= *Clonopsis gallica*), and (1614) *Leptynia attenuata*, Extremadura (Portugal).

VIMMER 1906

(1615) p. 89: *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia carpini* (= *S. pavonia*), KUDLIČKA, Bohemia.

BEZZI 1907

In this catalogue of Palearctic Diptera, host records of Tachinidae are listed as footnotes. They are compiled from the literature, but the references are missing or hidden in the bibliography of the species. BEZZI's attempt to synonymize the previously used tachinid names has resulted in many mistakes, which have been noted in the present revision already in the cases concerned, see nos. 32, 33, 48, 58–63, 69, 71, 73, 183, 189, 279, 280,

283, 301, 315, 331, 333, 340, 344–348, 356, 357, 363, 370, 393, 398, 415, 429, 430, 435, 438–440, 441, 445, 448, 449, 457–459, 467, 471, 477, 493, 498, 499, 505, 507, 518, 519, 544, 576, 594, 604, 621, 651, 656, 813, 825, 843, 844, 858, 859, 864, 869, 878, 881, 891, 905, 1053, 1126, 1187, 1227, 1258, 1285, 1286, 1298, 1334, 1368, 1391, 1402, 1456, 1573. In other cases, the name of the host has been wrongly interpreted: nos. 23, 56, 185, 457, 459, 471, 499, 504, 874, 891, 1060, 1118, 1146, 1174, 1197, 1329, 1511. The following records are not found in preceding literature or are not Palearctic:

(1616) p. 203: *Linnaemyia comta* ex *Agrotis ypsilon*. – This record is probably cited from Coquillett 1897: 18, California. Its inclusion in the Palearctic catalogue is justified because the parasite and the host are Holarctic. Rearings in Europe have confirmed it.

(1617) p. 230: *Winthemia quadripustulata* ex *Heliothis armigera*, recorded from Texas by Quaintance & Brues 1905. The host is the Nearctic species *Heliothis zea* Boddie, wrongly identified with the Palearctic *H. armigera*, and the identity of the associated *Winthemia* species in North America is doubtful. Not Palearctic.

(1618) p. 289: *Lydella ambulans* (= *Xylotachina diluta*) ex *Cossus cossus*, Villeneuve i. litt. – Published later by Villeneuve himself (see no. 1737).

(1619) p. 381: *Bucentes cristata* (= *Siphona* sp.) ex *Pyrausta aurata*. – I have not found the origin of this record.

Brindley 1907

(1620) p. 103: Tachinid sp. (= prb. *Phryxe caudata*) attacking *Cnethocampa pinivora* (misid. = *Thaumetopoea pityocampa*) caterpillars in their procession before pupating in the sand, Cap Ferret (SW France). – The behaviour of the ovipositing tachinid is described, it is the same as figured for *P. caudata* by Biliotti 1958: 29 (Figs. 1–3). The species was not caught for determination, it was wrongly assumed to be *Dexodes machairopsis* (see no. 1071).

Emel'yanov 1907

(1621) p. 27 (reprint): *Compsilura concinnata* common parasite of *Euproctis chrysorrhoea*, Kharkov prov. (Ukraine).

Hewitt 1907

(1622) p. 80: *Exorista* ?*agnata* (misid. = prb. *Phryxe nemea*) ex *Abraxas grossulariata*, Manchester, parasitization 6 % and more. Some details on life history.

Martelli 1907

Ex *Pieris brassicae*, Abruzzo Teramano (Italy) p. 210: (1623) *Masicera serriventris* (= *Compsilura concinnata*), and (1624) *Parasetigena segregata* (prb. misid. = prb. *Exorista segregata*) [the latter based on the material of Martelli 1903 = no. 1537]. Details on biology.

Meijere 1907

(1625)* p. 161: *Blepharidopsis nemea* (= *Phryxe nemea*, in ZMAN) ex *Abraxas grossulariata*, Amsterdam. – Misid. by Wulp & Meijere 1898: 81, as *Exorista agnata*.

(1626) *Ptychomyia selecta* (= *Bessa selecta*) ex *Trichiocampus viminalis*, Putten in Gelderland, Oudemans.

(1627) *Spongosia occlusa* (misid. = *Diplostichus janitrix*, corrected by Meijere 1919: 181, 193) ex *Lophyrus* (= *Diprion*) sp., Montferland, Rossum. – *Spongosia occlusa* is *Chaetogena obliquata*.

(1628)* *Discochaeta cognata* (= *Eurysthaea scutellaris*, in ZMAN) ex *Zerene* (= *Abraxas*) *adustata*, Wijk aan Zee, Oudemans.

Localities in the Netherlands.

Meissner 1907(a+b)

(1629) pp. 79, 115: Tachinid sp. (= prb. *Phebellia glauca*) ex *Cimbex betulae* (= *C. femorata*), Potsdam (Germany). – The biological data correspond to this species.

Theobald 1907

(1630) *Thelymorpha vertiginosa* (= *Thelymorpha marmorata*) common parasite of *Porthesia* (= *Euproctis*) *chrysorrhoea* in East Kent 1901. – Original not seen by me, cited by Hewitt 1907: 82.

Torka 1907

(1631) pp. 34–35: Fly (= *Winthemia quadripustulata*) ovipositing on last instar larvae of *Cucullia verbasci*, NE prov. Posen (= Poznań, W Poland). – In a subsequent note (see no. 1943) the parasitic fly is misidentified as *Nemoraea puparum*, but the error has been rectified by Baer 1921: 135 (reprint p. 101), footnote.

Vimmer 1907

(1632) p. 1: *Exorista vulgaris* (= *Phryxe vulgaris*) ex *Vanessa* (= *Aglais*) *urticae*, and (1633) *Vanessa* (= *Inachis*) *io*.

(1634) pp. 1–2: *Exorista affinis* (= *Huebneria affinis*) ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*, Praha-Krč.

(1635) – – ex *Arctia hebe*.

(1636) – – (or misid.) ex *Dasychira pudibunda*.

(1637) p. 2: *Parexorista gnava* (= *Carcelia gnava*) ex *Dasychira pudibunda*, Dobřichovice.

(1638) – – (prb. misid. = prb. *Carcelia lucorum*) ex *Arctia caja*, Ouvaly.

(1639) *Exorista polychaeta* (= *Huebneria affinis*) ex *Arctia caja*, Ouvaly.

(1640) – – ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*.

(1641) – – (or misid.) ex *Bombyx* (= *Malacosoma*) *neustria*.

(1642) *Sisyropa excavata* (= *Carcelia gnava*) ex *Dasychira pudibunda*, Praha-Michle. – Wrongly synonymized with *Carcelia excisa* by Vimmer 1913: 58 (host not cited in that paper, but in 1923: 56, and 1928: 49), and Baer 1921: 145 (reprint p. 111).

(1643) *Sisyropa excisa* (prb. misid. = prb. *Carcelia gnava*) puparia numerous in the cocoons of *Bombyx* (*Malacosoma*) *neustria*.

(1644) *Chaetotachina nigricans* (misid., identity unknown) ex *Leucoma salicis*, Praha-Michle. – The true *nigricans* is synonym of *Exorista mimula* (parasite of Tenthredinidae).

(1645) *Tachina ferina* (= *Peleteria ferina*) ex *Nemeophila* (= *Parasemia*) *plantaginis*.

(1646) *Eutachina vidua* (= *Exorista larvarum*) ex *Arctia hebe*. – Referred (prb. wrongly) to *Exorista fasciata* by Mesnil 1960: 600.

(1647) – – ex *Spilosoma* (= *Phragmatobia*) *fuliginosa*. – Referred (prb. wrongly) to *Exorista fasciata* by Mesnil 1960: 600.

(1648) *Eutachina larvarum* (= *Exorista larvarum*) ex *Arctia hebe*, same rearing data as no. 1646.

(1649) – – ex *Zygaena ephialtes*.

(1650) *Setigena caesifrons* (= *Phorocera obscura*) and (1651) *S.* (= *P.*) *assimilis* (prb. both misid., identity unknown) ex *Arctia hebe*.

(1652) p. 3: *Phorocera rufipalpis* (= prb. *Compsilura concinnata*) ex pupa *Acronicta aceris*, Praha-Pankrác.

(1653) – – ex *Sphinx ligustri*.

(1654) *Masicera rutila* (misid. = *Ceromasia rubrifrons*) ex *Zygaena fausta*. [The host was prb. not *Z. fausta*, but a different species of *Zygaena*, see Vaňhara et al. 2009.] – Wrongly synonymized with *Erycia fatua* by Baer 1921: 157 (reprint p. 123).

The true *rutila* Meigen is an *Erycilla*, found only near Torino and in the Tessin, host unknown. VIMMER 1923: 56, and 1928: 50, cites the parasite of *Z. fausta* as *Ceromasia florum* (which is a synonym of *C. rubrifrons*). In 1925: 244, he calls the species with the wrong name *Ceromasia ferruginea* Meigen (which is an *Erycilla*), wrongly citing *C. florum* Rondani as synonym.

(1655) *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pavonia*.

(1656) – – (prb. misid. = prb. *Masicera sphingivora*) ex *Smerinthus ocellatus*. – Cited by VIMMER 1913: 59, as *M. silvatica*, but in 1923: 56, and 1928: 49, again as *M. pratensis*.

(1657) *Chaetolyga erythrura* (= *Winthemia quadripustulata*) ex *Cucullia verbasci*.

(1658) *Leskia aurea* ex *Sesia asiliformis* (= *Synanthedon vespiformis*).

(1659) *Tachina* sp. similar to *T. opaca* (identity unknown) ex *Saperda populnea*. – The true *T. opaca* is *Blondelia nigripes*.

Localities in Bohemia.

WACHTL 1907

Parasites of *Lymantria monacha*, p. 21: A list of species names, no details. The records nos. 950–952, 984, 1295 are cited again and the following species added:

(1660) *Phorocera processioneae* (in the sense of MIK & WACHTL 1895: 238, = *Pales pavida*).

XAMBEU 1907

Diptera det. GOBERT. Locality: Pyrénées-Orientales (F).

(1661) p. 184: *Phytomyptera halidayanum* (= *Thrixion aberrans*) ex *Bacillus rossii*.

(1662) p. 185: *Phorocera segregata* (= prb. *Exorista segregata*) ex *Zygaena* sp.

(1663) *P. concinnata* (= *Compsilura concinnata*) ex *Heterogynis penella*.

(1664) *Masicera silvatica* (misid. = *Masicera pavoniae*) and *M. pratensis* (= *M. pavoniae*) ex *Attacus Pavonia major* (= *Saturnia pyri*). – The two sexes have obviously been mistaken for different species.

(1665 = 1578) *Exorista aristella* (misid. = *Phryxe prima*) ex *Zygaena fausta*.

[AKASHI 1908, see SHIMA 2006]

[AKASHI et al. 1908(a+b), see SHIMA 1999]

[FOUNTAIN 1908, see WAINWRIGHT 1908]

FUCHS 1908

(1666) p. 274: *Panzeria rudis* (= *Ernestia rudis*) most important parasite of Forleule (= *Panolis flammea*), Heideck, Petersgmünd, Allersberg (near Nürnberg, D).

KRASILSHCHIK 1908

(1667) pp. 378, 385: *Anisoplia austriaca* was preferred as host by larvae of *Microphthalma longifacies* (= *Microphthalma europaea*) in experiments. (1668) *Rhizotrogus* (= *Amphimallon*) *solstitialis* and (1669) *Phyllopertha horticola* were less readily accepted.

LEIGH 1908

(1670) p. 113: *Blepharidea vulgaris* (prb. misid. = prb. *Phryxe nemea*) ex *Abraxas grossulariata*.

(1671) p. 114: Twelve puparia much larger than *Phryxe* (= prb. *Eurithia anthophila*) obtained in September out of 100 *Spilosoma lubricipeda* (= *S. lutea*) larvae. The attempt to force the emergence of the flies by keeping them at warm temperature during six weeks failed (because this species needs a winter diapause).

(1672) p. 115: *Pelatachina tibialis* ex *Sesia* (= *Synanthedon*) *tipuliformis*, L. W. NEWMAN. – Very unlikely. A mistake either in the determination of the parasite or in its association with the host?

Localities in Britain.

LOOS 1908

(1673) p. 4: Tachinid indet. (= *Parasetigena silvestris*) important parasite of Nonne (= *Lymantria monacha*), Liboch (= Libechov near Melnik, N Bohemia). Data on biology. – Identified as *P. segregata* (= *P. silvestris*) in LOOS 1909 (no. 1758).

RIEDEL 1908

*Specimens in ZMHB, revised by me. JU. = JUNKEL, Crimmitschau (Sachsen). WAG. = WAGNER, Crimmitschau.

(1674) p. 134: *Lypha dubia* ex *Cyaniris* (= *Celastrina*) *argiolus*, WAG. – The host is accidental or wrong.

(1675)* *Sturmia bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, 1 ♀, 18.VII.1900, JU.

(1676) *Winthemia xanthogastra* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*, JU.

(1677)* *Carcelia excisa* (misid. = *Zenillia libatrix*) ex *Drepana harpagula*, Meerane (Sachsen), LEHRBAUM. – The specimen (1 ♀) has been correctly identified and labelled as *Z. libatrix* by STEIN (unpublished).

(1678) *Carcelia cheloniae* (= *Carcelia lucorum*, or misid.) ex *Phalera bucephala*, Leipzig. – Host atypical.

(1679)* *Exorista affinis* (= *Huebneria affinis*) ex *Arctia villica*, Breslau (now Wrocław, Poland), JU.

(1680)* – – ex *Vanessa* (= *Aglais*) *urticae*, JU. – Published already by GIRSCHNER 1899, with identical date, see no. 1459.

(1681) *Exorista polychaeta* (= *Huebneria affinis*) ex *Phragmatobia fuliginosa*, JU.

(1682) *Phryxe vulgaris* ex *Vanessa* (= *Inachis*) *io*, JU.

(1683)* *Zenillia libatrix* (misid. = *Zenillia dolosa*) ex *Phlyctaenodes* (= *Sitochroa*) *verticalis* (on label: *Botys verticalis* = *Sylepta ruralis*), WAG. – The host has been wrongly interpreted by RIEDEL.

(1684) – – (prb. misid. = prb. *Z. dolosa*) ex *Sylepta ruralis*, JU.

(1685) – – (– = –) ex *Hyponomeuta rorella*, JU.

(1686)* *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*, LEHRBAUM.

(1687) – – (prb. misid. = prb. *M. sphingivora*) ex *Deilephila elpenor*, JU.

(1688) – – (– = –) ex *D.* (= *Celerio*) *euphorbiae*, JU.

(1689)* *Masicera silvatica* (misid. = *Masicera pavoniae*) ex *Saturnia pyri*, Dalmatia, NAUMANN.

(1690)* *Lydella nigripes* (= *Blondelia nigripes*) ex *Acronicta rumicis*, JU.

(1691)* *Bactromyia aurulenta* (misid. = *Drino inconspicua*, a small specimen) ex *Lophyrus* (= *Diprion*) sp., KONOW.

(1692) *Prosopodes fugax* (= *Bessa parallela*) ex *Tortrix viridana*, JU. and WAG.

(1693) p. 137: *Compsilura concinnata* ex *Vanessa* (= *Inachis*) *io* (WAG.), (1694)* *V.* (= *Aglais*) *urticae* (JU.), (1695)* *Malacosoma neustria* (JU.), (1696) *Himera* (= *Colotois*) *pennaria* (JU.), and (1697) *Brachyonycha sphinx* (WAG.).

(1698)* *Pales pavida* ex *Dasychira selenitica* (WAG.), (1699) *Malacosoma neustria* (JU.), and (1700)* *Stilpnotia* (= *Leucoma*) *salicis* (JU.).

(1701) *Phorocera assimilis* ex *Malacosoma franconica*, Switzerland, KABISCH.

(1702)* *Tachina larvarum* (= *Exorista larvarum*) ex *Malacosoma neustria* (JU.), and (1703) *Cosmotriche* (= *Philudoria*) *potatoria* (KRIEGER, Rochlitz, and WAG.).

(1704) *Bucentes cristata* (= *Siphona* sp.) ex *Collix* (= *Anticollix*) *sparsata*, Ju.

(1705)* *Actia pilipennis* (misid. = *Actia nudibasis*) ex *Evetria* (= *Petrova*) *resinella*, Ju., several rearings in subsequent years. – Determination corrected by Stein 1924: 136. The preserved specimens (1 ♂, 3 ♀♀) are labelled as syntypes of *A. nudibasis*.

(1706)* *Pelatachina tibialis* ex *Saperda populnea*, Wag. – The tachinid (1 ♀) is correctly identified, but the host is very unlikely.

[no. 1707 was missing in the manuscript.]

(1708) *Leskia aurea* ex *Sesia asiliformis* (= *Synanthedon vespiformis*), Leipzig, Kabisch.

(1709)* *Billaea irrorata* ex *Saperda populnea*, Ju., very common.

(1710)* *Syntomocera petiolata* (= *Estheria petiolata*) ex *Rhizotrogus* (= *Amphimallon*) *solstitialis*, Werdauer Wald, Ju. – The puparium resembles *E. picta*, because the hind spiracles are sunk in an excavation.

Localities in Sachsen, Germany, unless otherwise stated.

Sicard 1908

(1711) p. 941: *Parerynnia vibrissata* (misid. = *Erynnia ocypterata*) ex *Oenophthira* (= *Sparganothis*) *pilleriana*, Montpellier (F), up to 60 % parasitization. – The true *E. vibrissata* Rondani is *Ligeria angusticornis* Loew.

Touvay 1908

(1712) p. 66: *Masicera sylvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*, 8–12 parasites from each host cocoon. The adult flies emerged 3–4 weeks later than the adult hosts.

Townsend 1908a

(1713) p. 99: *Zygobothria nidicola* n. sp. (= *Townsendiellomyia nidicola*) ex *Euproctis chrysorrhoea*, Mokrzecki, Simferopol (Crimea), and several rearings at the Gipsy Moth Laboratory, material from Germany (Erfurt and Dresden), Austria (Vienna) [+ Slovenia] and South Tirol (= Trentino) .

(1714) p. 108: *Tachina utilis* n. sp. (= *Exorista larvarum*, small specimens) ex *Euproctis chrysorrhoea*, Germany.

(1715) – – ex *Porthetria* (= *Lymantria*) *dispar*, Germany. Rearings at the Gipsy Moth Laboratory.

Townsend 1908b

[More detailed information on these rearings is given by Howard & Fiske 1911.]

(1716) pp. 95, 97, 118: *Parexorista cheloniae* (misid. = *Carcelia laxifrons*) parasite of *Euproctis chrysorrhoea*.

(1717) pp. 95, 99, 118: *Blepharipa scutellata* (= *Blepharipa pratensis*) parasite of *Porthetria* (= *Lymantria*) *dispar*. Eggs microtype.

(1718) p. 101: *Masicera* sp. (= prb. *Masicera sphingivora*, see Howard & Fiske 1911, no. 1978) ex *Euproctis chrysorrhoea*. Eggs microtype.

(1719) pp. 101, 117: ?*Phorocera* sp. (misid., identity unknown) ex *E. chrysorrhoea*. Eggs microtype.

(1720) pp. 102, 118: *Dexodes nigripes* (= *Blondelia nigripes*) parasite of *E. chrysorrhoea*.

(1721) – – ex *Porthetria* (= *Lymantria*) *dispar*.

(1722) *Compsilura concinnata* parasite of *E. chrysorrhoea*.

(1723) p. 103: *Eupeleteria magnicornis* (prb. misid. = prb. *Tachina praeceps*) ex ? (host not stated). Larviposition on leaf-stems or leaf-ribs, usually near silken threads left by the host caterpillar. Fig. 27a: larva in waiting position; fig. 27b: pharyngeal skeleton. – *E.* (= *Tachina*) *magnicornis* has a nearly straight pharyngeal skeleton (see Thompson 1923b: 191, fig. 10) unlike Townsend's drawing, which fits much better with *T. praeceps* (Thompson 1923b: 195, fig. 38). A parasitization of *T. magnicornis* on *Euproctis chrysorrhoea* has never been confirmed, but the Mediterranean species *T. praeceps* has often been reared from this host in warmer parts of Europe. The country from which Townsend obtained the specimens is not stated.

(1724) p. 105: *Zygobothria nidicola* (= *Townsendiellomyia nidicola*) ex *E. chrysorrhoea*.

(1725) *Z. gilva* (misid. = *Drino inconspicua*) ex *Porthetria* (= *Lymantria*) *dispar*.

(1726) *Carcelia gnava* (more likely misid. = *Senometopia separata*) ex *P.* (= *L.*) *dispar*. – According to Sellers 1943: 47, the *Carcelia* (s. lat.) recovered from *dispar* is usually *S. separata*, *C. gnava* being a very rare and accidental parasite of this host.

(1727) – – ex *Euproctis chrysorrhoea*. – This record is probably a mistake because neither *C. gnava* nor *S. separata* have ever been confirmed as parasite of this host species.

(1728) p. 106: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of *Porthetria* (= *Lymantria*) *dispar*.

(1729) pp. 106, 118: *Tricholyga grandis* (misid. = *Exorista segregata*) parasite of *Euproctis chrysorrhoea*.

(1730) p. 106: ?*Hemimasicera* sp. (= *Exorista xanthaspis*) ex *Euproctis chrysorrhoea*. – The species is described as *Cyclotaphrys anser* n. sp. by Townsend 1909: 246, with host record, and the identity with ?*Hemimasicera* sp. is stated by Townsend 1911: 154.

(1731) p. 107: *Tachina* sp. (= *Exorista japonica*) ex *Porthetria* (= *Lymantria*) *dispar*, Japan.

(1732) pp. 107, 118: *Crossocosmia* sp. (= *Blepharipa sericariae*) ex *P.* (= *L.*) *dispar*, Japan.

(1733) p. 107: *Pales* sp. near *pavida* ex *P.* (*L.*) *dispar*, Japan.

(1734) p. 111: *Tachina* sp. from Japan (= *Exorista japonica*) oviposits on *Euproctis chrysorrhoea*.

Localities in Europe, unless otherwise stated.

Villeneuve 1908a

(1735) p. 97: *Masicera sylvatica* var. *pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*, and (1736) *Saturnia pavonia*.

(1737) *Dexodes dilutus* (= *Xylotachina diluta*) ex *Cossus ligniperda* (= *C. cossus*).

(1738) p. 98: *Argyrophylax atropivora* (= *Drino atropivora*) ex *Sphinx* (= *Acherontia*) *atropos*, Toulouse, 12 from one host.

(1739) p. 100: *Blepharidea erythrostoma* (= *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, Lichtwardt, Berlin.

(1740) *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Hadena* (= *Mamestra*) *oleracea*.

(1741 = 1578) *Ceratochaeta prima* (= *Phryxe prima*) ex *Zygaena fausta*, Pyrénées-Orientales, Xambeu.

(1742) p. 101: *Myxexorista dolosa* (prb. misid. = prb. *Zenillia libatrix*) ex *Liparis* (= *Euproctis*) *chrysorrhoea*, Vitry-sur-Seine.

(1743) *Sisyropa angusta* (= *Carcelia rasa*) ex *Orgyia* (= *Dasychira*) *pudibunda*, and (1744) *Orgyia antiqua*.

Localities in France, unless otherwise stated.

Villeneuve 1908b

(1745 = 1515) p. 287: *Hemimasicera schnabli* n. sp. (= *Townsendiellomya nidicola*) ex *Bombyx neustria* (prb. wrong = prb. *Euproctis chrysorrhoea*), in coll. Strobl. – Details see no. 1515.

Wainwright 1908 [see also Fountain 1908]

(1746) p. 71: *Tachina larvarum* (= *Exorista larvarum* or *E. fasciata*) ex *Lasiocampa quercus*, Fountain, Britain.

[Akashi 1909, see Shima 1999]

Bezzi 1909

(1747) p. 58: *Tricholyga grandis* (prb. misid. = prb. *Exorista segregata*) ex *Orgyia dubia*, Alexandria, Egypt, Beraud.

(1748) *Fischeria bicolor* ex predacious caterpillar (= prb. *Alophia combustella*) in *Tetraneura*-galls on *Pistacia*, same locality and collector.

Collin 1909

Ex *Tortrix* (= *Cacoecimorpha*) *pronubana*, Britain, Adkin leg.: (1749) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) [published also by Adkin 1909: 86], and (1750) *Nemorilla maculosa* (misid. = *Nemorilla floralis*).

Donisthorpe 1909

(1751) p. 208: *Meigenia floralis* (= *Meigenia* sp.) ex *Phytodecta pallida*, Chilworth (Britain).

[Escher-Kündig 1909, see Tschorsnig 2017]

[Joannis 1909, see Tschorsnig 2017]

Kleine 1909

(1752) p. 14: *Meigenia bisignata* (misid. = prb. *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*.

(1753) *Meigenia floralis* (misid. = prb. *Acemyia acuticornis*) ex *Stenobothrus* (= *Chorthippus*) *parallelus*.

(1754) p. 15: *Exorista polychaeta* (= *Huebneria affinis*, or misid.) ex *Arctia esperi* (= *Arctia fasciata*), Spain.

(1755) – – ex *Ocnogyna baetica*, Spain.

(1756) *Parexorista saltuum* (= prb. misid., identity unknown) ex *Catocala sponsa*. – The flight period of *Thelymyia saltuum* (July–August) and the larval period of *Catocala* spp. (May–June) do not coincide.

(1757) *Demoticus* sp. (misid. = prb. Sarcophagidae, subfamily Miltogrammatinae) ex *Odynerus parietinum*.

Localities near Halle a. d. Saale (Germany), unless otherwise stated.

Loos 1909

(1758) p. 427: *Parasetigena segregata* (= *Parasetigena silvestris*) ex Nonne (= *Lymantria monacha*), Ješovice and Tupadly near Melnik, N Bohemia. Quantitative data.

Nielsen 1909

(1759)* pp. 29, 104: *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *Hyponomeuta evonymella* on *Evonymus* (prb. misid. = prb. *H. cognatella*), Fredensborg and Adserbo (Sjaelland). pp. 33–34: Position of eggs on the host. Fig. 47: empty egg-shell, primary respiratory opening and funnel. Fig. 11: pharyngeal skeleton of full-grown 1st stage larva. Figs. 13, 16: pharyngeal skeleton of 2nd and 3rd stage. Figs. 12, 15, 49: hind spiracles of 1st, 2nd, and 3rd stage. Figs. 14, 17: fore spiracles of 2nd and 3rd stage. Biology p. 33. – Larvae of the early 1st stage with the basal plates of the pharyngeal skeleton not yet grown to large size (fig. 19) have been wrongly referred by Nielsen to the following species.

(1760) p. 46: *Bactromyia aurulenta* ex *Hyponomeuta evonymella* (prb. misid. = prb. *H. cognatella*), Adserbo. Description of 3rd stage. Fig. 20: pharyngeal skeleton. Fig. 51: hind spiracles and neighbouring spines. – Nielsen wrongly assumed that *Bessa* and *Bactromyia* had the same type of eggs, and he mistook the early 1st stage of *Bessa* (fig. 19) for that one of *Bactromyia*. His statement about the simultaneous presence of both parasite species in three individual hosts (p. 48) is therefore wrong.

(1761) pp. 48, 106: *Panzeria rudis* (= *Ernestia rudis*) ex *Taeniocampa* (= *Orthosia*) *stabilis*, Hald, up to 80 %. Fig. 21: pharyngeal skeleton of 2nd stage. Figs. 22, 53: fore and hind spiracles of 3rd stage. Biology p. 51. – The incomplete description of the 1st stage (p. 49, and fig. 52) appertains to another species (identity unknown).

(1762) p. 52: *Steiniella callida* (= *Cleonice callida*) ex *Lina* (= *Melasoma*) *populi*, Hald. Figs. 54, 64: 1st stage, cuticular armatures. Figs. 23, 24: pharyngeal skeleton of 1st and 2nd stage. Figs. 25, 27: fore spiracles, 2nd and 3rd stage. Fig. 26: hind spiracles, 2nd stage. Figs. 55, 65: hind spiracles, 3rd stage. Biology p. 55.

(1763) p. 56: *Carcelia gnava* (misid. = *Carcelia laxifrons*) ex *Malacosoma castrensis*, Tisvilde. Description of 3rd stage larva. Fig. 30: pharyngeal skeleton. Fig. 31: fore spiracle. Figs. 56, 57: hind spiracles. One-year life-cycle, hibernation as puparium. – The description of the egg and its position on the host (p. 58) appertains to *Exorista fasciata* (see no. 1764). Rectification by Nielsen 1911: 2, who later found the stalked eggs of *C. laxifrons* (misid. there as *C. comata*) on the host. The descriptions of the 1st stage (not figured) and 2nd stage (Figs. 28, 29) are doubtful as to the species concerned.

(1764)* pp. 60, 63: *Tachina larvarum* (misid. = *Exorista fasciata*, 1 ♂ bred August 1908, ZMUC, loan by courtesy of S. Andersen) ex *Malacosoma castrensis*, Tisvilde. – The eggs of this species were wrongly attributed to the *Carcelia* (no. 1763) parasitizing the same host. The data on pp. 58–59 thus refer to the eggs and the 1st stage larvae of *E. fasciata*. The biological data on p. 62 with reference to *Malacosoma* appertain partly to *Exorista* and partly to *Carcelia*. On the other hand, the larval stages described on pp. 60–62 under the name *Tachina* (= *Exorista*) *larvarum* belong in reality to *Eurithia anthophila*, see no. 1766.

(1765) – – (prb. = *Exorista larvarum*) ex *Spilosoma lubricipeda* (= *S. lutea*). – The biological data on p. 62 with reference to this host appertain partly to *Exorista* and partly to the following species. Both have been confounded, because they parasitized the same host species.

(1766) – – larvae (misid. = *Eurithia anthophila*) dissected out of *S. lubricipeda* (= *S. lutea*). Figs. 32, 33: pharyngeal skeleton of 2nd and 3rd stage. Fig. 34: fore spiracle of 3rd stage. – The wrong association of larvae and adult has been detected and rectified by Nielsen himself (1913b: 372, no. 2091).

(1767) p. 65: Undetermined tachinid (= ?*Leucostoma crassa*) ex *Lygaeus saxatilis*, Sicily. – *L. crassa* is a common parasite of *Lygaeus* spp. in South Europe.

(1768) pp. 72, 106: *Viviania cinerea* (= *Zaira cinerea*) ex *Carabus violaceus*, and (1769) *C. hortensis*, Nyraad (Sjaelland), 2 % of the hosts parasitized. Figs. 36, 37: 2nd stage, pharyngeal skeleton and fore spiracle. Figs. 38, 39: 3rd stage, fore and hind spiracles. Biology pp. 74–76.

(1770) – – ex *Procrustes* (= *Carabus*) *coriaceus*.

(1771) pp. 77, 107: *Ocyptera brassicaria* (= *Cylindromyia brassicaria*) parasite of adult *Dolycoris baccarum*, Fredensborg, 3 % in May, 40 % in September. Figs. 40, 41, 43: pharyngeal skeleton of 1st, 2nd, and 3rd stage. Figs. 42, 68: hind spiracles, 2nd and 3rd stage. Figs. 60, 61: plates and spines on the skin of 3rd stage. Biology pp. 79–81.

(1772) p. 84: Undetermined tachinid (= *Eloceria delecta*) in *Lithobius* sp., Dyrehaven. Figs. 44, 45: fore and hind spiracles, 3rd stage. – The identity of the parasite with *Discochaeta lithobii* (= *E. delecta*) was already suspected by Nielsen 1911: 19, footnote. I have verified it by comparing Nielsen's figures with the spiracles of an *E. delecta* puparium (loan of the BMNH by courtesy of N. P. Wyatt, the fly has been reared by R. Evans from an unidentified centipede).

Localities in Denmark, unless otherwise stated.

PANTEL 1909

(1773) pp. 273, 294: *Tach. V.* (= *Tachina vandaliciae*, provisory nomen nudum, identity unknown) in *Chondrostega vandalicia*, Spain.

(1774) pp. 275, 290: *Gonia atra* in undetermined Noctuidae and Bombycidae (= Lasiocampidae) larvae, laboratory hosts.

RABAUD 1909

(1775) p. 101: *Meigenia bisignata* (= *Meigenia* sp., ?*M. simplex*) ex *Lina* (= *Melasoma*) *populi*, Tarn-et-Garonne, F.

ROSSIKOV 1909

Ex *Agrotis segetum*, Ryasan prov. (Russia).

(1776) pp. 47–54, 70–71: *Gonia capitata* common parasite. Figs. 15–17: uterus and eggs. Figs. 18–20: 1st, 2nd, 3rd stage. Fig. 21: posterior stigmata of puparium. Pl. I, fig. 4: adult.

(1777) pp. 47, 54–56: *Cnephalia bucephala* (= *Spallanzania hebes*). Fig. 22: adult. Fig. 23: hind spiracles of puparium. Bred from the same host also by SCHREINER, Ekaterinoslav prov., and by BEZVAL, Kiev prov. (Ukraine).

(1778) pp. 47, 56–57: *Tachina larvarum* (= *Exorista larvarum*). Fig. 24: adult.

(1779) pp. 47, 57–58: *Dexiomorpha picta* (= *Estheria picta*), only two specimens. Fig. 25: adult. Description of puparium. – *Agrotis segetum* is almost certainly not the host, because *E. picta* parasitizes scarabaeid grubs. The author wrongly assumed that the larva would live as a predator in the soil and would attack various prey.

Ex scarabaeid grubs, Ufa prov.

(1780) p. 58: *D.* (= *E.*) *picta* parasite of maiskago khrushcha (= *Melolontha hippocastani*).

(1781) – – of iunskago khrushcha (= *Amphimallon solstitialis*).

(1782) – – (misid. = *Microphthalma europaea*, see ROSSIKOV 1910) parasite of *Polyphylla fullo*.

RÜBSAAMEN 1909

Ex *Oenophthira* (= *Sparganothis*) *pilleriana*, Germany, p. 86: (1783) *Prosopodes fugax* (= *Bessa parallela*), and (1784) *Nemorilla maculosa* (or misid. = *N. floralis*). [The two records are prb. based on SCHWANGART's 1909 rearings, see nos. 1786, 1787.]

SCHEIDTER 1909

(1785) p. 106: Tachinid sp. (= prb. *Meigenia* sp.) parasite of *Agelastica alni*, Aschaffenburg (Germany), ca. 50 % of the last instar host larvae bearing tachinid eggs.

SCHWANGART 1909

Ex Springwurm (= *Sparganothis pilleriana*), Pfalz (W Germany), p. 31 (reprint): (1786) *Prosopodes fugax* (= *Bessa parallela*), (1787) *Nemorilla maculosa* (or misid. = *N. floralis*), and (1788) *Gymnoparia pilipennis* (= *Actia pilipennis*).

Ex *Carpocapsa* (= *Cydia*) *pomonella*: (1789) *Prosopodes fugax* (= *Bessa parallela*) [unlikely host].

SEABRA 1909

(1790) p. 132: *Sarcophaga arvensis* (misid. = ?*Exorista segregata* or another tachinid) ex *Aglaope infausta*, Portugal. The species was reared in numbers from the host cocoons and was apparently a true parasite. – In SEABRA 1910: 6, the species name is omitted and a ? put against the genus name *Sarcophaga*.

STROBL 1909 [= STROBL 1910]

(1791) p. 131: *Chaetolyga quadripustulata* (= *Winthemia quadripustulata*) ex *Arctia caja*, SCHIEFERER, Graz, Austria.

TOWNSEND 1909

(1792)* p. 246: *Cyclotaphrys anser* n. sp. (= *Exorista xanthaspis*) ex *Euproctis chrysorrhoea*, MOKRZECKI, Simferopol (Crimea). – I have seen the allotype ♂, sent to me from USNM by C. W. SABROSKY.

(1793) p. 247: *Tachina japonica* n. sp. (= *Exorista japonica*) ex *Porthetria* (= *Lymantria*) *dispar*, vicinity of Tokyo, Japan.

VILLENEUVE 1909a

(1794 = 1739) p. 46: *Hemithaea erythrostoma* (= *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, LICHTWARDT (= VILLENEUVE 1908a: 100).

VILLENEUVE 1909b

(1795) p. 677: *Cyrtophlebia elata* (= *Hyleorus elatus*) ex *Liparis auriflua* (= *Euproctis similis*).

(1796) *Tricholyga grandis* (= *Exorista grandis*) ex *Cossus cossus*, SCHNABL, Warsaw. – The host is unusual, because in its normal habitat it is not accessible to the ovipositing fly.

VIMMER 1909

(1797) p. 65: *Parexorista polychaeta* (= *Huebneria affinis*) ex *Arctia villica*, ŘEHÁČEK, puparium in April, adult 12–14 days later.

(1798) *Machaira serriventris* (= *Compsilura concinnata*) ex pupa *Papilio* (= *Iphiclides*) *podalirius*, Praha-Krč, ZEMAN.

(1799) *Parasetigena segregata* (prb. misid. = prb. *Exorista grandis*) ex *Saturnia carpini* (= *S. pavonia*), HARTMANN. Other specimens from the same rearing were determined as *Phorocera* sp. – *P. segregata* (= *P. silvestris*) or *Phorocera* sp. are not cited as *Saturnia*-parasite in the list of VIMMER 1928.

(1800) *Thelaira leucozona* (= *Thelaira* sp.) ex *Deilephila elpenor* (ZEMAN), and (1801) *Smerinthus populi* (VIMMER).

(1802) *Micropalpus comptus* (= *Linnaemyia* sp., prb. not *L. comta*) ex *Saturnia carpini* (= *S. pavonia*), KLAPÁLEK. – See also no. 2024.

Localities in Bohemia.

WANACH 1909

(1803) p. 40: *Phorocera assimilis* (misid. = identity unknown) ex *Arctia caja*, numerous, Berlin. – *P. assimilis* is excluded because the flies emerged in mid July.

WESCHÉ 1909

(1804) p. 453: *Phorocera serriventris* (= *Compsilura concinnata*) ex *Leucoma salicis*, and (1805) *Bombyx* (= *Malacosoma*) *neustria*, both in BMNH.

ESCHERICH & BAER 1910

Ex Kiefernspinner (= *Dendrolimus pini*), E Germany, pp. 161–162: (1806) *Argyrophylax bimaculata* (= *Drino inconspicua*), (1807) *Tachina larvarum* (= *Exorista larvarum* or misid. = *E. fasciata*), and (1808) *Sturmia scutellata* (= *Blepharipa pratensis*), Zeithain near Riesa (Sachsen) [locality = "Kleintrebnitzer Heide" (Brandenburg)].

Ex Kieferneule (= *Panolis flammea*), bred from puparia dug out of the soil (150 m²), Ottendorf-Okrilla (near Dresden), p. 165: (1809) *Panzeria rudis* (= *Ernestia rudis*) (363 specimens), and (1810) *Chaetolyga amoena* (= *Timavia amoena*) (9 specimens).

KLEINE 1910

(1811) p. 217: *Sarcophaga albiceps* (prb. misid. = prb. *Billaea irrorata*) ex *Saperda populnea*, SCHEIDTER, Bavaria.

KRAMER 1910

Rearings by SCHÜTZE, Rachlau (Oberlausitz, Sachsen, D), unless otherwise stated.

(1812) p. 30: *Xylotachina ligniperdae* (= *Xylotachina diluta*) ex *Cossus cossus*.

(1813) *Winthemia quadripustulata* ex *Nonagria geminipuncta*, and (1814) *Chaerocampa* (= *Deilephila*) *elpenor*.

(1815) *Exorista affinis* (= *Huebneria affinis*) ex *Arctia caja*.

(1816) *Phryxe vulgaris* ex *Vanessa* (= *Nymphalis*) *antiopa*, (1817) *Vanessa* (= *Aglais*) *urticae*, (1818) *Diphthera* (= *Moma*) *alpium*, (1819) *Dianthoecia cucubali* (= *Hadena rivularis*), (1820) *Larentia dotata* (= *Eulithis populata*), and (1821) *Moma orion* (= *M. alpium*).

(1822) *Masicera silvatica* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pavonia*.

(1823) p. 31: *Lydella lepida* (prb. = *Lydella stabulans*) ex *Gortyna ochracea* (= *G. flavago*).

(1824) *Lydella nigripes* (= *Blondelia nigripes*) ex *Euproctis chrysorrhoea*, and (1825) *Plusia gamma*.

(1826) *Erycia gyrovaga* (= *Drino vicina*) ex *Pterogon* (= *Proserpinus*) *proserpina*.

(1827) *Prosopodes fugax* (= *Bessa parallela*) ex *Steganoptyche* (= *Epinotia*) *pygmaeana*.

(1828) – – ex *Lymantria monacha*, pupa. – Questionable.

(1829) *Compsilura concinnata* ex *Pieris brassicae*, (1830) *Vanessa* (= *Nymphalis*) *antiopa*, (1831) *Lymantria monacha*, and (1832) *Acronicta auricoma*.

(1833) *Parasetigena segregata* (= *Parasetigena silvestris*) ex *Lymantria monacha*.

(1834) *Pales pavida* ex *Malacosoma neustria*.

(1835) *Tricholyga grandis* (= *Exorista grandis*) ex *Saturnia pavonia*.

(1836) *Acomyia acuticornis* (prb. misid., identity unknown) ex *Dianthoecia cucubali* (= *Hadena rivularis*), pupa. – The host is very unlikely, because *Acemyia acuticornis* is a parasite of Acridoidea.

(1837) *Tachina larvarum* (= *Exorista larvarum*) ex *Pygaera* (= *Clostera*) *anastomosis*, and (1838) *Cosmotriche* (= *Philudoria*) *potatoria*.

(1839) *Histochaeta marmorata* (= *Thelymorpha marmorata*) ex *Arctia caja*.

(1840) *Plagia elata* (= *Hyleorus elatus*) ex *Porthesia* (= *Euproctis*) *similis*, Baer, Königswartha.

(1841) *Phytomyptera nitidiventris* (= *Phytomyptera nigrina*) ex *Grapholitha* (= *Epinotia*) *immundana* in catkins of *Alnus*.

(1842) *Actia crassicornis* ex *Depressaria applana*.

(1843) – – (prb. misid. = prb. *Actia pilipennis*) ex *Tortrix viridana*.

(1844)* *Actia pilipennis* (misid. = *Actia nudibasis*) ex *Evetria* (= *Petrova*) *resinella*, Kramer.

(1845) *Craspedothrix bohemica* (= *Elfia bohemica*) ex unknown host, puparium found in resin on the bark of *Picea excelsa*.

(1846) *Arrhinomyia cloacellae* n. sp. (= *Elodia ambulatoria*) ex *Tinea* (= *Nemapogon*) *cloacella* in *Daedalea quercina*, Großdubrau.

(1847) p. 32: *Pelatachina tibialis* ex *Vanessa* (= *Nymphalis*) *antiopa*, (1848) *V.* (= *N.*) *polychloros*, (1849) *V.* (= *Inachis*) *io*, and (1850) *V.* (= *Aglais*) *urticae*, Kramer.

(1851) *Micromyiobia diaphana* (= *Solieria pacifica*) ex *Olethreutes lucivagana* on roots of *Hieracium umbellatum*.

(1852)* *Atropidomyia irrorata* (= *Billaea irrorata*) ex *Saperda populnea*, Kramer.

Localities in Oberlausitz (SE Sachsen, Germany).

Kröber 1910

Rearings from localities in the vicinity of Hamburg (North Germany).

(1853) p. 59: *Micropalpus vulpinus* (= *Linnaemyia vulpina*) ex *Agrotis strigula* (= *Lycophotia porphyrea*).

(1854) p. 60: *Ernestia rudis* ex *Panolis griseovariegata* (= *P. flammea*).

(1855) *Sturmia atropivora* (misid. = *Sturmia bella*, corrected by Kröber 1931: 89) ex *Acronicta tridens*.

(1856 = 893) p. 61: *Carcelia lota* (misid.) ex *Pieris brassicae*. – Recorded by Beuthin 1887: 80 under the name *Exorista hortulana*, which was wrongly synonymized with *Carcelia lota* by Bezzi 1907: 237. The species was possibly *Epicampocera succincta*.

(1857) *Winthemia quadripustulata* (misid. = *Winthemia cruentata*) ex *Sphinx ligustri*. – The parasite is cited as *W. ligustri* Stein (= *W. cruentata*) by Kröber 1931: 89.

(1858) *Exorista fimbriata* (misid.) ex *Thalpochares* (= *Eublemma*) *rosea*. – Wrongly quoted from Beuthin 1887 (no. 891), who records *Tortrix* "*rosea*" (prb. = *Archips rosana*) as host. The noctuid *Eublemma rosea* is found in southeastern Europe and does not occur in Germany.

(1859) *Exorista polychaeta* (= *Huebneria affinis*) ex *Arctia caja*.

(1860) p. 62: *E. tritaeniata* (= *Cadurciella tritaeniata*) ex *Callophrys rubi*.

(1861) *Phryxe vulgaris* (or misid. = *Nilea rufiscutellaris*) ex *Acronicta auricoma*.

(1862) – – (prb. misid. = prb. *Huebneria affinis*) [prb. too speculative because the host was not yet known for *H. affinis*] ex *Rhyparia purpurata*.

(1863) – – (= *Phryxe vulgaris* or misid. = *P. nemea*) ex *Semiothisa* "*aestimaria*" (= *Hemithea aestivaria*).

(1864) – – (= *Phryxe vulgaris*) ex *Vanessa* (= *Aglais*) *urticae*.

(1865) *Zenillia libatrix* ex *Porthesia* (= *Euproctis*) *similis*.

(1866) – – (prb. misid. = prb. *Senometopia pollinosa*) ex *Bupalus piniarius*.

(1867) p. 63: *Masicera silvatica* ex *Saperda populnea* galls. – Very unlikely, because the microtype eggs of *Masicera* are deposited on foliage and must be swallowed by the host.

(1868) *Lydella nigripes* (= *Blondelia nigripes*) ex *Deilephila* (= *Celerio*) *euphorbiae*.

(1869) – – ex *Larentia* (= *Anticlea*) *badiata*.

(1870) – – (prb. misid. = prb. *Blondelia piniariae*) ex *Bupalus piniarius*, common.

(1871) *Erycia aurulenta* (= *Bactromyia aurulenta*) ex *Drepana falcataria*, (1872) *Hyponomeuta padella*, (1873) *H. cognatella*, (1874) *Collix* (= *Anticollix*) *sparsata*, and (1875) *Pygaera* (= *Clostera*) *anachoreta*.

(1876) p. 64: *Compsilura concinnata* ex *Acronicta psi*, and (1877) *Porthesia* (= *Euproctis*) *similis*.

(1878) p. 65: *Phorocera assimilis* var. *caesifrons* (= *Phorocera obscura*) ex *Cheimatobia* sp. (= *Operophthera brumata* or *O. fagata*).

(1879) *Tachina larvarum* (= *Exorista larvarum*) ex *Porthesia* (= *Euproctis*) *similis*.

(1880) – – ex *Malacosoma neustria*.

(1881) – – (?misid. = ?*Exorista fasciata*) ex *Macrothylacia rubi*.

(1882) p. 66: *Tricholyga grandis* (= *Exorista grandis*) ex *Saturnia pavonia*.

(1883) p. 69: *Thelaira nigripes* (= *Thelaira* sp.) ex *Mamestra thalassina*.

(1884) p. 70: *Billaea irrorata* ex *Saperda populnea*.

Mangan 1910

(1885) p. 94: *Exorista dubia* (misid. = prb. *Myxexoristops stolida*, see Wardle 1914, no. 2147) ex *Nematus* (= *Pristiphora*) *erichsonii*, Lake district (North England).

PANTEL 1910

(1886) p. 34: *Winthemia quadripustulata* parasite of *Cucullia verbasci*. Pl. I, figs. 1, 6, and p. 44: egg. Pl. III, fig. 65, p. 141: primary respiratory opening and funnel.

(1887) pp. 45, 125: *Gymnosoma rotundata* (prb. misid. = prb. *Gymnosoma clavata*) parasite of *Piezodorus lituratus*. p. 43: Oviposition on the pronotum or other exposed and hard surfaces of the thorax. Pl. I, fig. 8: section through egg and host skin after penetration of the larva. – The length and width of the crypte stated by PANTEL 1912: 100, correspond to fig. 50 (egg of *G. clavata*) in DUPUIS 1963: 115.

(1888) pp. 46, 160: *Meigenia floralis* (prb. misid. = prb. *Meigenia simplex*) parasite of *Crioceris asparagi*. Pl. I, fig. 7, and pl. V, fig. 91: egg and penetrating larva in microscopic section. Textfig. 26, p. 165: first stage larva killed by a competitor. Pl. IV, fig. 75, and p. 145: secondary respiratory opening on the skin of the host.

(1889) p. 46: *Ceromasia rufipes* (misid. = *Ocytata pallipes*) parasite of *Forficula auricularia*. pp. 120, 147, and pl. IV, fig. 76: secondary respiratory opening and funnel. – Determination rectified by PANTEL 1916, no. 2238 (*Rhacodineura antiqua* = *Ocytata pallipes*). Wrongly synonymized with *Ceromasia* (= *Erycilla*) *rutila* by BAER 1921: 155 (reprint p. 121).

(1890 = 1773) pp. 46–47, 171–172: *Tach. V.* or *Tachina vandaliciae*, provisory name (identity unknown), in *Chondrostega vandalicia*. The adult was not reared, the eggs are probably microtype. pp. 113, 131, textfig. 20, and pl. II, figs. 54–57: 1st stage larva in the cerebral ganglion of the host.

(1891 = 1774) pp. 55–56, 132–133: *Gonia atra*, experimental feeding of eggs to undetermined Noctuidae and Bombycidae (= Lasiocampidae) caterpillars successful. Pl. V, fig. 89: 1st stage larva in the cerebral ganglion or, pl. II, fig. 53, in other parts of the nervous system.

(1892) p. 74: *Echinomyia fera* (= *Tachina fera*) parasite of *Brotolomia* (= *Phlogophora*) *meticulosa*, Sarrià (Spain). Pl. I, fig. 19: uterine egg. Pl. V, fig. 83, and p. 110: primary respiratory opening and funnel.

(1893) – – deposited larvae on a leaf in the presence of a *Plusia aurifera* (= *P. orichalcea*) caterpillar (p. 66, textfig. 7). This experimental host was accepted (p. 162), but the success of the parasitism was not ascertained.

(1894) – – larvae are not able to parasitize *Deilephila* (= *Celerio*) *euphorbiae* (p. 162).

(1895) p. 75: *Bigonichaeta setipennis* (= *Triarthria setipennis*) parasite of *Forficula auricularia*. Pl. I, fig. 21: uterine egg. pp. 109, 121, textfig. 19: primary respiratory opening and funnel.

(1896) pp. 78, 126–127: *Uclesia fumipennis* parasite of *Chondrostega vandalicia*. Pl. V, fig. 90, and p. 120: secondary respiratory opening near a stigma, four larvae in situ in a dissected caterpillar. The localities are Uclès in central Spain, and S. Fiel in Portugal (see pp. 28–29).

(1897) pp. 77, 82–83: *Cyrtophleba ruricola* parasite of *Spintherops* (= *Apopestes*) *spectrum*. Pl. I, fig. 33: uterine egg. Pl. V, fig. 87, and p. 139: 1st stage in muscle fibre. Pl. IV, fig. 71, and pp. 120, 144: secondary respiratory opening on the dorsal skin.

(1898) – – does not oviposit on *Botys* (= *Uresiphita*) *polygonalis*, which has a similar coloration and lives on the same plant, p. 162.

(1899) pp. 90, 134–137, 173: *Compsilura concinnata* parasite of *Acronicta aceris*, Vals near Le Puy (Haute-Loire, F). Textfig. 21 on p. 115: hooks on last segment of 1st stage larva for fixation in the host gut. Pl. II, figs. 58–61, and pp. 133–137: intraintestinal parasitism. pp. 123–124: Secondary respiratory opening near a stigma. p. 173: Duration of larval development.

(1900) – – of *Pieris* (prb. *brassicae*), Sarrià (Catalonia, Spain). pp. 173–174: Duration of larval development.

(1901) pp. 98, 120: *Carcelia cheloniae* (misid. = *Carcelia laxifrons*) parasite of *Euproctis chrysorrhoea*. pp. 98–100: Ovaries, uterus, stalked egg. The host is mentioned in a footnote on p. 120.

(1902) p. 102: *Ceromasia florum* (misid. = *Erycia* sp., ?*E. furibunda*) ex *Melitaea aurinia*. Description of ovipositor and egg.

(1903) p. 104: *Sturmia atropivora* (= *Drino atropivora*) ex *Acherontia atropos*, 44 flies out of one host.

(1904) pp. 109, 160, 173: *Tricholyga major* (prb. misid. = prb. *Exorista segregata*) parasite of *Macrothylacia rubi*. Pl. I, figs. 2–3, and p. 44: egg. pp. 107, 109: Primary respiratory opening and funnel.

(1905) – – of *Pieris* (prb. *brassicae*).

(1906) – – of *Vanessa* (= *Aglais urticae* and *Inachis io*, see PANTEL 1912: 122).

(1907) – – of *Euproctis similis*.

(1908) pp. 122, 125: *Hyria tibialis* (= *Pelatachina tibialis*) parasite of *Vanessa* (= *Aglais urticae* and *Inachis io*, see PANTEL 1912, no. 2042). 1st stage in fat body of the host. Textfigs. 23–24 on p. 122: Secondary respiratory opening on trachea.

(1909) p. 139: *Sturmia pupiphaga* (= *Sturmia bella*) parasite of *Vanessa* (= *Aglais*) *urticae*. Pl. III, fig. 64, and pl. V, fig. 86: 1st stage in muscular fibre or, p. 137, pl. II, fig. 62, and pl. III, fig. 63, in testicle. Pl. IV, figs. 81–82, and p. 166: Mesosternal "plastron" of 2nd stage larva. p. 128: Mature larva hanging on filament when leaving the host pupa. Host and parasite are cited only with the generic names, except in the explanation of fig. 62 on p. 207.

(1910) pp. 143, 160: *Ptychomyia selecta* (= *Bessa selecta*) parasite of *Nematus ribesii*. Pl. III, fig. 68, and p. 143: Primary respiratory opening and funnel.

(1911) p. 176: *Meigenia floralis* var. *major* (= ?*Meigenia grandigena*) ex ?*Timarcha* sp., Le Puy-en-Velay. – The var. *major* Girschner is a nomen nudum.

ROMANOVSKI-ROMANKO 1910

(1912) pp. 128–130: *Microphthalma disjuncta* (misid. = *Microphthalma europaea*) parasite of iulskii khrushch (= *Polyphylla fullo*), Aleshki (near Kherson, Ukraine). Proposals to increase the efficiency of the parasite. – In the abstract in Bulletin of agricultural Intelligence and of Plant Diseases, Rome 2 (1911): 1584–1585, and subsequent quotations, the host is wrongly cited as *Rhizotrogus* (= *Amphimallon*) *solstitialis* (iulskii and iunskii khrushch confounded).

ROSSIKOV 1910

(1913) pp. 15–47: *Microphthalma disjuncta* (misid. = *Microphthalma europaea*) parasite of *Polyphylla fullo*, Dneprovsk district (Ukraine). Fig. 4: adult. Figs. 5–7: egg and uterus. Fig. 8: 1st stage. Figs. 10–14: 2nd stage (including funnel on trachea). Figs. 15–20: 3rd stage and puparium.

(1914) p. 18: – – ex *Melolontha hippocastani*, and (1915) *Rhizotrogus* (= *Amphimallon*) *solstitialis*, Ufa prov. (Bashkiria).

(1916) p. 25: – – larvae accept *Polyphylla alba*, and (1917) *Anoxia pilosa* in experiments, development to 2nd stage observed.

(1918) pp. 18, 86: *Estheria pallicornis* ex *Rhizotrogus* (= *Amphimallon*) *solstitialis*, Ufa prov. Up to 80 % parasitization.

(1919) p. 79: *Cnephalia bucephala* (= *Spallanzania hebes*) ex *Polyphylla fullo*, Dneprovsk. – Very unlikely. The normal hosts of this tachinid are *Agrotis* larvae.

(1920) p. 86: *Estheria pallicornis* ex *Melolontha hippocastani*, Ufa prov.

(1921 = 1780) p. 86: *Dexiomorpha picta* (= *Estheria picta*) ex *M. hippocastani*, and (1922 = 1781) *Rhizotrogus* (*Amphimallon*) *solstitialis*, Ufa prov.

RUDOW 1910

Ex *Trichiosoma lucorum*, Perleberg (Brandenburg), pp. 120, 127: (1923) *Echinomyia* (= *Tachina*) *fera*, (1924) *E. tessellata* (= *T. magnicornis*), (1925) *Tachina* (= *Exorista*) *larvarum*, (1926) *T.* (= *E.*) *rustica*, and (1927) *T. bimaculata* (= *Drino inconspicua*). – All records are very unlikely, the parasites either misidentified or bred from Lepidoptera.

RÜHL 1910

A list of names only, no references, no annotations. It contains the records of KLEINE 1909 (including those quoted by this author from literature) and KRAMER 1910. One record is wrongly cited, and the origin of another one is unknown to me:

(1928) p. 64: *Arrhinomyia tragica* (= *Elodia morio*) ex *Tinea* (= *Nemapogon*) *cloacella*. – Misunderstanding of the text of KRAMER 1910: 32. The parasite was *A. cloacellae* n. sp. (= *Elodia ambulatoria*).

(1929) *Masicera fatua* (= *Erycia fatua*, or misid.) ex *Lymantria dispar*. – A prb. incorrect record, origin unknown.

SCHÜTZE 1910

(1930) pp. 27–29: Raupenfliegen (= Tachinidae, mainly *Parasetigena silvestris*) efficient parasites of Nonne (= *Lymantria monacha*), Lausitz (Sachsen, Germany).

SCHWARZENBECK 1910

(1931) *Parexorista polychaeta* (= *Huebneria affinis*) ex *Arctia caja*. – Locality prb. Halle/Saale.

SEABRA 1910 see SEABRA 1909

SILVESTRI 1910

(1932) p. 276: *Erynnia nitida* (misid. = *Erynniopsis antennata*) parasite of *Galerucella luteola*, Bevagna (Umbria). Biology. Fig. 21: adult. Fig. 22: 1st stage larva and pharyngeal skeleton. Fig. 23: 3rd stage larva. Fig. 24: puparium covered by the empty host skin. – Specimens from this rearing sent to VILLENEUVE were determined by him (1934: 181) as *Anachaetopsina nitidula* (= *E. antennata*).

SMITS VAN BURGST 1910

Ex "non" (= *Lymantria monacha*), Alphen and Tilburg (NL). Specimens in LEWA:

(1933)* p. 54: *Tachina larvarum* (misid. = *Exorista fasciata*, det. T. ZEEGERS, pers. comm.).

(1934) p. 56: *Parasetigena segregata* (= *Parasetigena silvestris*) ex *L. monacha*, not ascertained, because the flies did not emerge from the puparia after hibernation (but ZEEGERS found some adults of this species in the collection).

THOMPSON 1910

[More detailed information on these rearings is given by HOWARD & FISKE 1911.]

(1935) p. 284: *Blepharipa scutellata* (= *Blepharipa pratensis*) ex gipsy moth (= *Lymantria dispar*).

(1936) *Parasetigena segregata* (= *Parasetigena silvestris*) ex *L. dispar*.

(1937) p. 287: *Parexorista cheloniae* (misid. = *Carcelia laxifrons*) ex brown-tail moth (= *Euproctis chrysorrhoea*).

TÖLG 1910

Biology of *Billaea pectinata*, parasitic in cetoniid and cerambycid larvae, description of immature stages, 18 figures. Localities: Wienerwald (= Vienna forest, Austria) and southern Bosnia.

(1938) pp. 211, 283: *Billaea pectinata* ex *Prionus coriarius*, (1939) pp. 278, 283: *Cetonia aurata*, and (1940) p. 283: *Potosia cuprea*.

(1941) p. 211: *Homalogaster subrotundata* (= *Billaea adelpha*) ex *Prionus coriarius*.

(1942) p. 278: *Gymnobasis microcera* (= *Billaea maritima*) ex *Potosia aeruginosa* (prb. only in Bosnia, this tachinid species is Mediterranean).

TORKA 1910

(1943) p. 402: *Nemoraea puparum* (misid. = *Winthemia quadripustulata*) ovipositing on *Cucullia verbasci*, near Bydgoszcz [= domicile of the breeder, but not necessarily the origin of the material], Poland. – BAER 1921: 135 (p. 101 of the reprint), footnote, has seen the collected tachinid and rectified the determination.

WAINWRIGHT 1910

(1944) p. 226: *Exorista tritaeniata* (= *Cadurciella tritaeniata*) ex *Callophrys rubi*, BARRETT, Britain.

COCKAYNE 1911

(1945) p. 253: *Phryxe vulgaris* ex adult *Nyssia* (= *Lycia*) *lapponaria*, Britain.

ECKSTEIN 1911

Ex *Lasiocampa* (= *Dendrolimus*) *pini*, p. 141: In rearings of ca. 3500 hibernating larvae collected at several places in Mark Brandenburg 434 specimens of Tachinidae, Sarcophagidae and Muscidae were obtained. – I cite here only the Tachinidae, and the number of specimens has been recalculated from the percentage given on p. 142. Some species had probably, as indicated by me, parasitized other hosts which may have been present in the mass rearing: (1946) 154 *Argyrophylax bimaculata* (= *Drino inconspicua*), (1947) 4 *A. bimaculata* var. *gilva* (= *Drino gilva*, parasite of *Diprion* spp.), (1948) 3 *Compsilura concinnata*, (1949) 3 *Tachina larvarum* (= *Exorista larvarum*, or misid. = *E. fasciata*), (1950) 1 *Pales pavida*, (1951) 1 *Exorista affinis* (= *Huebneria affinis*, parasite of Arctiidae), (1952) 2 *Lydella nigripes* (= *Blondelia nigripes* or *B. piniariae*, the latter parasite of *Bupalus piniarius*), (1953) 1 *Carcelia rutilla* (= *Senometopia pollinosa*, parasite of *Bupalus piniarius*), and (1954) 52 *Phryxe vulgaris* (prb. misid. = *Phryxe erythrostoma*, parasite of *Hyloicus pinastri*).

FORSIUS 1911

(1955) p. 101: *Staurochaeta albocingulata* common parasite of *Monoctenus juniperi*, Finland. More than 50 % of the sawfly larvae were bearing eggs of the tachinid (up to 7 on one host).

HOWARD & FISKE 1911

Investigations and mass collections of parasites of the gipsy moth (= *Lymantria dispar*) and the brown-tail moth (= *Euproctis chrysorrhoea*) for biological control in the USA.

Ex *Porthetria* (= *Lymantria*) *dispar* in Europe: Tab. II, p. 132: List of parasite species, and their sequence in attacking the different stages of the host. Details on importance and life history:

(1956) pp. 213–218: *Blepharipa scutellata* (= *Blepharipa pratensis*), important and specific parasite, common near Kharkov (Ukraine, p. 127), Hyères (Var, S France, p. 216) etc. Fig. 35: adult ♀. Fig. 36: microtype eggs deposited on leaf. Fig. 37a: sculpture of egg-chorion. Fig. 38: 1st stage larvae in gall-like modified tissue of the host. Figs. 39, 40: 2nd stage larva and its respiratory funnel.

(1957) pp. 218–220: *Compsilura concinnata*, polyphagous parasite, common on both host species. Larvae deposited beneath the skin of the host, 1st stage enters the alimentary canal. Fig. 41: adult ♀, head, larvipositor. pp. 221–225: Successful establishment in USA.

(1958) pp. 225–227: *Tachina larvarum* (= *Exorista larvarum*) rather common on *L. dispar*. Fig. 43: adult ♀ and head in profile.

(1959) pp. 228–229: *Tricholyga grandis* (misid. = *Exorista segregata*, rectified by Burgess & Crossman 1929: 114). Very similar to *T.* (= *E.*) *larvarum* in all aspects, but usually not occurring in the same locality, more southern.

(1960) pp. 229–230: *Parasetigena segregata* (= *Parasetigena silvestris*), more common toward the northern limits of the range of *L. dispar*.

(1961) p. 231: *Carcelia gnava* (misid. = *Senometopia separata*, rectified by Burgess & Crossman 1929: 114, and Sellers 1943: 47), in most places unimportant, but at Hyères (Var, S France) the most common parasite.

(1962) p. 232: *Zygobothria gilva* (misid. = *Drino inconspicua*, rectified by Burgess & Crossman 1929: 113) not common in the rearings. – The species is cited as *gilva* in the parasite list on p. 88 and the table on p. 132, but, by lapse, as "*nidicola*" on p. 232.

(1963) p. 234: *Crossocosmia flavoscutellata* (= *Blepharipa schineri*), common in samples from Charroux, W France.

(1964) p. 235: *Pales pavida*, only occasionally bred from *L. dispar*.

(1965) pp. 235, 297: *Dexodes nigripes* (= *Blondelia nigripes*), very rare on this host.

(1966) The quotation of *Echinomyia magnicornis* (= *Tachina magnicornis*) as parasite of *L. dispar* by Herting 1960: 107, with reference to Howard & Fiske 1911 is an error. The species is not included in the alphabetic list of parasites bred from *L. dispar* (p. 88, left-hand column), and recorded only as parasite of *Euproctis chrysorrhoea* (see below, no. 1979).

Ex *Porthetria* (= *Lymantria*) *dispar* in Japan: Tab. I, p. 121: List of parasite species, and their sequence in attacking the different stages of the host.

(1967) pp. 227–228: *Tachina japonica* (= *Exorista japonica*), common.

(1968) pp. 232–234: *Crossocosmia sericariae* (= *Blepharipa sericariae*) common. The observations of Sasaki 1887 (see no. 895) on the life-history of this species were confirmed in every particular.

(1969) p. 235: A species resembling *Pales pavida* (prb. = identical with it).

Ex *Euproctis chrysorrhoea* in Europe: Tab. III, p. 136: List of parasite species, and their sequence in attacking the different stages of the host. Details on importance and life history:

(1970) pp. 218, 296: *Compsilura concinnata*, equally important as parasite of both *E. chrysorrhoea* and *L. dispar*. Fig. 64 on p. 265: 1st stage larva.

(1971) pp. 262, 265, 266–267, 289–295: *Zygobothria nidicola* (= *Townsendiellomyia nidicola*), high percentage in hibernated hosts from Italy and France, life-history. Fig. 63 on p. 264: 1st stage larva in walls of crop of hibernating host. Fig. 69 on p. 290: adult ♀ and head.

(1972) p. 296: *Tachina larvarum* (= *Exorista larvarum*), less common on this host.

(1973) *Tricholyga grandis* (misid. = *Exorista segregata*), reared in small numbers from cocoon masses.

(1974) pp. 296–297: *Dexodes nigripes* (= *Blondelia nigripes*), rather common on this host, life-history and early stages similar to *Compsilura*.

(1975) pp. 297–300: *Parexorista cheloniae* (misid. = *Carcelia laxifrons*, rectified by Burgess & Crossman 1929: 136), most common parasite. One annual generation, hibernating as puparium.

(1976) pp. 300–302: *Pales pavida*, much more common on *E. chrysorrhoea* than on *L. dispar*. Biology. Fig. 37b on p. 214: microtype egg. Fig. 70 on p. 301: adult ♀, head, antenna. Fig. 71: 2nd stage larva in situ in funnel. Fig. 72: respiratory funnel showing orifice at skin of the host.

(1977) p. 302: *Zenillia libatrix*, equal in importance to *Pales*, and similar in life-history.

(1978) p. 303: *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*), numbers mostly insignificant, but not uncommon at some places in Italy.

(1979) *Eudoromyia magnicornis* (prb. misid. = prb. *Tachina praeceps*, see no. 1723), "southern rather than northern in distribution", numbers insufficient. – Biology see Townsend 1908b: 103.

(1980) p. 304: *Cyclotaphrys anser* (= *Exorista xanthaspis*), Crimea. Deposits large, flattend eggs on the host.

(1981) p. 304: *Blepharidea vulgaris* (= *Phryxe vulgaris*), very few specimens.

(1982) p. 91: The alphabetic list of tachinid species reared from *E. chrysorrhoea* comprises also *Digonichaeta setipennis*, *D. spinipennis* (both = *Triarthria setipennis*), *Nemorilla* sp., and *N. notabilis* (= *Nemorilla floralis*), but according to the "Errata" (last page), these species should be omitted. The reason is not stated (but *Triarthria* is a parasite of *Forficula*, and *Nemorilla* a parasite of Microlepidoptera, which may have been accidentally present in the rearings).

Kramer 1911

The records published 1910 are cited again, the following ones are added:

(1983) pp. 121–122: *Gymnochaeta viridis* adults were common in the outbreak areas of *Lymantria monacha*. – But the species has never been reared from this host, and Kramer 1917: 261 admits that it continued to be common in the years after the disappearance of *L. monacha*.

(1984)* p. 123: *Winthemia xanthogastra* (misid. = *Winthemia cruentata*) ex *Sphinx ligustri*, Tharandt, Baer.

(1985) pp. 123–124: *Carcelia gnava* (misid. = *Carcelia puberula*) common in outbreak areas of *Lymantria monacha*. – Rectification by Kramer 1917: 263, as *C. lucorum* B.B., det. Villeneuve.

(1986)* p. 125: *Zenillia grisella* (= *Zenillia dolosa*) ex *Hyponomeuta cognatella*, Tharandt, Baer. – Wrongly synonymized with *Zenillia libatrix* by Baer 1921: 153 (reprint p. 119).

(1987) *Zenillia libatrix* ex *Thaumetopoea processionea*, Leipzig, Baer.

(1988) p. 127: *Prosopodes fugax* (= *Bessa parallela*) ex *Acalla* (= *Acleris*) *ferrugana*, Baer.

(1989) *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) *pini*, Niesky, Baer.

(1990) *Pales pavida* ex *Acalla* (= *Acleris*) *ferrugana*, Schütze.

(1991) pp. 127–129: *Parasetigena segregata* (= *Parasetigena silvestris*) main parasite of Nonne (= *Lymantria monacha*).

(1992) p. 136: *Atropidomyia irrorata* (= *Billaea irrorata*) common parasite of *Saperda populnea*, data on life history.

(1993) p. 165: *Redtenbacheria insignis* ex pupa of *Lymantria monacha*, Schütze. – Very questionable, because *R. insignis* belongs to the subfamily Phasiinae and is a parasite of Hemiptera.

Localities in Sachsen (Germany).

Kurdyumov 1911

Ex *Agrotis segetum*, Poltava (Ukraine): (1994) *Gonia capitata*, and (1995) *Cnephalia* sp. (= *Spallanzania hebes*). Both species are leaf-ovipositing.

Loos 1911

(1996) p. 435: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), quantitative data, Jeschowitz and Tupadl (= Ješovice and Tupadly near Melnik, NW Bohemia).

Martelli 1911

(1997) p. 212: *Masicera silvatica*, det. Bezzi (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pavonia*, Catanzaro (Calabria).

(1998) – – Planoconvex eggs of a tachinid (prb. = *Exorista grandis*) glued on the skin of the *S. pavonia* larva. – Martelli wrongly attributed these eggs to *Masicera* (which deposits microtype eggs on the food-plant of the host). The host had been attacked by two different parasite species.

Nielsen 1911

(1999) p. 2, footnote: Rectification of no. 1763: Not *Carcelia gnava*, but *C. comata*, det. Villeneuve (misid. = *Carcelia laxifrons*) ex *Malacosoma castrensis*. – The true *C. comata* is *C. lucorum* (hind stigma of 3rd instar larva with three straight slits quite unlike figs. 56, 57 in Nielsen 1909).

(2000) p. 5: *Carcelia gnava* ex *Stilpnotia* (= *Leucoma*) *salicis*, Tisvilde, up to 66 %. p. 1: Descriptions. Textfigs. 1–2 (p. 2): stalked eggs on the host. Textfigs. 3–4: fore spiracles, 2nd and 3rd stage. Textfig. 5: hind spiracle, 3rd stage. Pl. I, figs. 1–3: pharyngeal skeleton, 1st, 2nd, 3rd stage. Biology pp. 4–8.

(2001) pp. 6, 8: *C. gnava* ex *Malacosoma neustria*, Tisvilde.

(2002) p. 6: Undetermined tachinid (= *Exorista larvarum*, see Nielsen 1918, no. 2336), planoconvex eggs glued on hairs of *Acronicta menyanthidis* larva. Textfig. 7: pharyngeal skeleton of 1st stage larva.

(2003) p. 10: *Exorista blepharipoda* (= *Nilea hortulana*) ex *Acronicta psi*, and (2004) ex *A. tridens*, Valby (Copenhagen). p. 8: Descriptions. Pl. I, figs. 4–6: pharyngeal skeleton, 1st, 2nd, 3rd stage. Textfig. 10: fore spiracle, 3rd stage. 11: funnel on tracheal stem of host. Pl. I, fig. 7: hind spiracle, 3rd stage. Biology pp. 10–12.

(2005)* p. 14: *Meigenia floralis* (= *Meigenia mutabilis*, genitals compared) ex *Gastrophysa viridula*, Ørholm. p. 12: Descriptions. Pl. I, figs. 8–10: pharyngeal skeleton, 1st, 2nd, 3rd stage. Textfig. 12: fore spiracle, 3rd stage. Pl. I, fig. 11: hind spiracle, 3rd stage. Biology pp. 14–17.

(2006) p. 20: *Actia pilipennis* (misid. = *Actia nudibasis*, redetermined by Lundbeck 1927: 459) ex *Retinia* (= *Rhyacionia*) *buoliana*, and (2007) ex *R.* (= *Petrova*) *resinella*, Tisvilde. p. 17: Description of 3rd stage. pp. 13–18: spines on skin, pharyngeal skeleton, fore and hind spiracles. Textfig. 19: puparium. Biology p. 20.

Localities in Denmark.

Porchinski 1911a

(2008) pp. 7–8: *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *Hyponomeuta malinella*, Kiev prov. (Ukraine), Pospelov and Karavaev. South East Russia, Schreiner.

(2009) – – (= *Bessa selecta*) ex *Nematus ribesii*, Lublin prov. (Poland), Tarnani. Ryasan prov. (Russia), Rybakov.

Porchinski 1911b

(2010) p. 359: *Tachina larvarum* (= *Exorista larvarum*) ex *Malacosoma neustria*, Kiev prov. (Ukraine).

Rudow 1911a, b

Ex *Hyponomeuta padi* (= *H. evonymella*), Biberach (Württemberg), p. 4: (2011) *Echinomyia pusilla* (misid., identity unknown), common.

Ex *Dendrolimus pini*, parasite list, only names without data, p. 91: (2012) *Echinomyia fera* (= *Tachina fera* or misid.), (2013) *E. ferox* (= *Nowickia ferox*, prb. misid.), and (2014) *E. tessellata* (= *Tachina magnicornis* or misid.). – Cited by Rudow 1894b: 118, as *Echinomyia* spp. ex *Dendrolimus pini* and *Hyloicus pinastri*, but none of the three tachinid species has been ascertained to be a parasite of these two hosts.

Ex *Saturnia pyri*, *S. spini* and *S. pavonia*, only names of parasites without data, p. 99: (2015) *Tachina rustica* (misid., identity unknown). – *Exorista rustica* is a parasite of Tenthredinidae on low plants. Quoted by Lederer 1925: 92, 95, 99, as parasite of all three *Saturnia* species, but Rudow's collective list does not indicate, from which species the alleged *T. rustica* was bred.

Schultz 1911

(2016) *Thryptocera pilipennis* (prb. misid. = prb. *Actia nudibasis*) ex *Retinia* (= *Petrova*) *resinella*, numerous, Grunewald (Berlin).

Sicard 1911

(2017) p. 443: *Degeeria funebris* (prb. misid. = prb. *Medina luctuosa*) parasite of Altise de la Vigne, adult (= *Haltica ampelophaga*), S France, locally up to 85 %. Biology.

(2018) p. 444: *Parerynnia vibrissata* (misid. = *Erynnia ocypterata*) parasite of Pyrale de la Vigne (= *Sparganothis pilleriana*), Montpellier region, 50–60 %. – The true *P. vibrissata* is *Ligeria angusticornis*.

Silvestri 1911

Ex *Plusia gamma*, Italy.

(2019) p. 314: *Voria ruralis*. Biology. Fig. 23: adult, 3rd stage larva, puparium. Fig. 24: puparia partly covered by the empty host skin.

(2020) p. 318: *Pales pumicata* (prb. misid. = prb. *Pales pavida*). Fig. 26: adult.

Timaeus 1911

(2021) p. 89: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), Sachsen, Germany. Details on biology, 1 figure (egg and penetration hole).

Tuccimei 1911

(2022) p. 199: *Masicera pratensis* (= *Masicera pavoniae*, or misid. = *Sturmia bella*) ex *Vanessa cardui*, 1 specimen, S. Agnese near Rome.

Villeneuve 1911

(2023) p. 87 (footnote): *Atylomyia albifrons* n. sp. ex *Agdistis tamaricis*, Egypt.

Vimmer 1911

(2024) p. 38: *Micropalpus haemorrhoidalis* (= *Linnaemyia* sp.) ex *Saturnia pavonia*. – This is not a correction of the previous record of *M. comptus* ex *S. pavonia* (Vimmer 1909), which is cited here again.

(2025) p. 39: *Sisyropa excisa* (prb. misid. = prb. *Senometopia lena*) ex *Notodonta dictaeoides* (= *Pheosia gnoma*). – The wider distance between the hind stigmata of the puparium distinguishes *S. lena* from the very similar *S. excisa*.

Localities in Bohemia.

Wheeler 1911

Hosts collected at Samoussy near Laon (France).

(2026) p. 266: *Compsilura concinnata* ex *Araschnia levana*.

(2027) *Sturmia vanessae* (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*.

YAROSHEVSKI 1911

(2028) pp. 109, 112, 132: *Exorista lucorum* [given with "?"] (prb. misid. = prb. *Carcelia gnava* or *C. rasa*) ex *Dasychira pudibunda*, Ukraine.

AUEL 1912

(2029) p. 260: *Tachina rustica* (misid., identity unknown) ex hibernated pupae of *Pieris brassicae*, Berlin. – *T.* (= *Exorista*) *rustica* is a parasite of *Tenthredinidae*.

CECCONI 1912

Ex *Tortrix viridana*, Barberino di Mugello (Apennino Toscano, Italy), p. 317:

(2030) *Lydella angelicae* (misid. = prb. *Blondelia nigripes*), one specimen. – *L.* (= *Belida*) *angelicae* is a parasite of *Arge* (Hym. Symphyta).

(2031) *Compsilura concinnata*, one specimen.

(2032) *Plesina maculata* (= *Paykullia maculata*, Rhinophoridae), one specimen. – The host must be wrong, because *P. maculata* is a parasite of terrestrial Isopoda.

CODINA 1912

(2033) p. 96: *Compsilura concinnata* ex *Pieris brassicae*, Mongat (Barcelona, Spain).

COLLINS 1912

(2034) p. 66: *Macquartia chalconota* (misid. = *Macquartia tenebricosa*) ex *Chrysomela* (= *Chrysolina*) *varians*, Oxon and Berkshire (GB). – *M. chalconota* does not exist in Britain.

FEYTAUD 1912

(2035) p. 195: *Meigenia floralis* (prb. = *Meigenia mutabilis*) ex *Phyllodecta vulgatissima*, SW France, up to 45 %.

HAMANN 1912

(2036) p. (35): Tachinid sp. (= ?*Ceromyia bicolor*) ex *Lasiocampa quercus*, 26 parasite larvae came out of one host.

(2037) p. (36): Tachinid sp. (= prb. *Parasetigena silvestris* or *Exorista larvarum*) ovipositing on *Lymantria dispar*.

HEWITT 1912

(2038) p. 34 : *Exorista crinita* (misid. = *Myxexoristops stolida*) ex *Nematus* (= *Pristiphora*) *erichsonii*, Cumberland (North England).

(2039) *Exorista* sp. identical with or close to *E. alacris*, det. TOTHILL (misid. = *M. stolida*) ex *N.* (= *P.*) *erichsonii*, Crummock Lake, Cumberland, MANGAN. – Redetermined by WAINWRIGHT as *Zenillia pexops* (= *Myxexoristops blondeli*), see WARDLE 1914: 96. The species *Ptesiomyia alacris* (syn.: *Exorista crinita*) is not British, and its host is unknown.

MARCHAL 1912

(2040) p. 124: *Phytomyptera nitidiventris* (= prb. *Phytomyptera nigrina*) ex *Eudemis* (= *L. botrana*) on *Daphne gnidium*, Southern France.

PANTEL 1912

Influence of the parasite on the development of the host.

In *Vanessa* (= *Aglais*) *urticae* and *V.* (= *Inachis*) *io*, p. 122: (2041) *Hyria tibialis* (= *Pelatachina tibialis*), (2042) *Blepharidea vulgaris* (= *Phryxe vulgaris*), and (2043) *Compsilura concinnata*.

In other hosts:

(2044) *Gymnopareia pilipennis* (misid. = *Actia nudibasis*) in *Evetria buoliana* "dans les galles résineuses des pins" (misid. = *Petrova resinella*), Gemert (Brabant, NL).

(2045) p. 123: *Uclesia fumipennis* in *Chondrostega vandalicia*, Uclès (Spain).

(2046) *Meigenia floralis* (= prb. *Meigenia mutabilis*) in *Crioceris asparagi*.

(2047) pp. 123, 138: *Compsilura concinnata* in *Acronicta aceris*, Vals near Le Puy (Haute-Loire, F).

(2048) p. 156: *Bigonichaeta setipennis* (= *Triarthria setipennis*) in *Forficula auricularia*.

(2049) p. 204: *Ceromasia rufipes* (misid. = *Ocytata pallipes*) in *F. auricularia*.

(2050) p. 278, figs. 102–104: *Thrixion halidayanum* (= *Thrixion aberrans*) in *Leptynia hispanica*.

PARROT & SCHOENE 1912

(2051) p. 30: *Exorista arvicola* (misid. = *Nemorilla pyste*, Nearctic species) ex *Hyponomeuta padella* or *H. malinella*, New York. – The identification has been rectified by SABROSKY & ARNAUD 1965: 1089. *E. arvicola* is Palearctic and a synonym of *Ethilla aemula*. The host record has been wrongly cited under the latter species by BAER 1921: 147 (reprint p. 113) and MESNIL 1949: 61.

PICARD 1912a

(2052) p. 50: *Bactromyia aurulenta* ex *Abraxas pantaria*, S France.

PICARD 1912b

(2053) p. 431: *Nemorilla varia* (= *Nemorilla* sp.) ex *Cacoecia costana* (= *Clepsis spectrana*), Camargue (S France).

PYL'NOV 1912

(2054) p. 30: Tachinid sp. (= prb. *Anthomyiopsis plagioderae*) parasite of *Plagiodera versicolora*, Simferopol (Crimea). Puparium besides the remnants of the host larva on *Salix* leaves.

RABAUD 1912

(2055) p. 80: *Sturmia bella* ex *Vanessa* (= *Inachis*) *io*.

(2056) *Meigenia bisignata* (= *Meigenia* sp., ?*M. dorsalis*) ex *Lina* (= *Melasoma*) *populi*. [Already cited by RABAUD 1909 = no. 1775.]

(2057) p. 81: *Compsilura concinnata* ex *Zygaena occitanica*, and (2058) ex *Vanessa* (= *Inachis*) *io*.

(2059) *Blepharomyia pagana* (prb. misid. = prb. *Phryxe setifacies*) ex *Zygaena occitanica*. – *P. setifacies* resembles *Blepharomyia* in the presence of parafacial bristles which are absent in all other *Phryxe* spp.

(2060) *Tricholyga major* (prb. misid. = prb. *Exorista segregata*) ex *Z. occitanica*. – *T. major* is *Exorista grandis*.

Locality: Southern France.

RENNIE 1912

(2061) p. 231: *Bucentes geniculatus* (= *Siphona geniculata*) parasitic in *Tipula* sp., Scotland. – According to RENNIE & SUTHERLAND 1920 (nos. 2373, 2374) the host species were *Tipula paludosa* and *T. oleracea*.

SCHREINER 1912

Ex yablonnaya mol' (= *Hyponomeuta malinella*), Russia, p. 18:

(2062) *Nemorilla notabilis* (= *Nemorilla* sp.) and (2063) *Thryptocera evonymellae* (prb. misid. = prb. *Eurysthaea scutellaris*). – The true *T. evonymellae* is *Bactromyia aurulenta*.

(2064) p. 18, footnote: *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *H. malinella*, Kiev prov. (Ukraine).

SILVESTRI 1912

(2065) p. 299: *Phytomyptera nitidiventris* (= prb. *Phytomyptera nigrina*) ex *Polychrosis* (= *Lobesia*) *botrana*, Portici, Nola (Napoli), Bevagna (Umbria), locally common. Reared only

from cocoons of the first host generation in summer, not from hibernated cocoons of the second generation. Fig. XLIII: adult, puparium covered by the empty host skin.

Tölg 1912

A short survey of endoparasitic Diptera, including examples of Tachinidae. Most of them are obviously quoted from literature (without reference), but three records are new and probably based on rearings of the author:

(2066) p. 107: *Carcelia comata* (prb. misid. = prb. *Carcelia rasa*) ex *Orgyia antiqua*. – The other hosts cited (*Malacosoma castrensis*, *M. neustria*, and *Stilpnotia salicis*) are those recorded by Nielsen 1911 (nos. 1999–2001) for *Carcelia gnava*.

(2067) p. 108: *Lydella lepida* (= *Lydella stabulans*) ex *Gortyna flavago*, and (2068)* ex *Hydroecia micacea*. – I have seen the latter specimen (Herting 1960: 82, "Mus. Wien"), on label: Saaz (= Žatec, NW Bohemia), the place where Tölg lived.

Villeneuve 1912a

(2069) p. 94: *Erynnia nitida* (= *Erynnia ocypterata*) ex Pyrale de la Vigne (= *Sparganothis pilleriana*), Mayet, Villefranche (Rhône, F).

Barsacq 1913

A paper on *Lymantria dispar* in the Crimea. The list of putative natural enemies on p. 72 includes the following tachinids:

(2070a) *Echinomyia fera* (= *Tachina fera* or misid. = *T. magnicornis*).

(2070b) *Tachina larvarum* (= *Exorista larvarum*).

(2070c) *T. rustica* (= *Exorista rustica*, misid. or host wrong). – *E. rustica* is a parasite of Tenthredinidae.

(2070d) *Parexorista* (= *Carcelia*) *lucorum* (misid. = ?*Senometopia separata*).

(2070e) *Roeselia antiqua* (= *Ocytata pallipes*, misid. or host wrong). – *O. pallipes* is a parasite of *Forficula*.

(2070f) *Scotia saturniae* (prb. misid. = prb. *Exorista segregata*). – *S. saturniae* is *E. grandis*.

The species (a)–(c) are alleged to parasitize young *dispar* caterpillars (very unlikely for such large flies, but they may have been found near these hosts). – Only the species (e) and (f) are cited in the report of Mokrzecki & Shchegolev 1913 (nos. 2074, 2075).

Kramlinger 1913

(2071) *Nemoraea puparum* (prb. misid. = prb. *Blepharipa pratensis*) ex *Dendrolimus pini*, Wiener Neustadt (A), Perneder. – Not seen in original [but seen by HPT], cited from Escherich 1915: 429 (referat).

Mokrzecki 1913

Ex *Hyponomeuta malinella*, p. 22: (2072) *Nemorilla notabilis* (= *Nemorilla* sp.), Crimea, and (2073) *Metopia tincta* (= *Bessa parallela*), footnote: Schreiner leg.

Mokrzecki & Shchegolev 1913

(2074) p. 6: *Roeselia antiqua* (misid. or host wrong) ex *Lymantria dispar*, Crimea. – *R. antiqua* is *Ocytata pallipes*, a parasite of *Forficula*, not of Lepidoptera.

(2075) *Scotia saturniae* (prb. misid. = prb. *Exorista segregata*) ex *L. dispar*, Crimea. – *S. saturniae* is *E. grandis*.

(2076) p. 11: *Exorista grandis* (prb. misid. = *Exorista sorbillans* or *E. segregata*) ex *Ino* (= *Theresimima*) *ampelophaga*, solitary parasite, puparium covered by the empty host skin, Novorossiisk (Russian Black Sea Coast).

Nielsen 1913a

(2077)* p. 218: *Phryxe vulgaris* (misid. = *Blondelia nigripes*) larvae in *Dryobota* (= *Dryobotodes*) *protea*. p. 216: Descriptions. Figs. 1, 2, 4: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 3, 5: fore spiracle, 2nd and 3rd stage. Fig. 6: hind spiracles and adjacent spines, 3rd stage. Biology pp. 218–220. – In Nielsen's collection, there are three adult *B. nigripes* bred from this host in June 1912, locality: Nöddebo. The larvae described by Nielsen (all stages) are very different from those of *Phryxe* spp. and fully agree with those of *Blondelia nigripes* (cf. the figures in Dowden 1933).

(2078)* *Phryxe vulgaris* (misid. = *Blondelia nigripes*) in *Eupithecia innotata* (1 adult *B. nigripes* from Tisvilde, bred 1.IV.1912), (2079) in *Hibernia* (= *Erannis*) *defoliaria*, (2080) in *Cheimatobia* (= *Operophthera*) *brumata*, (2081) in *Eremobia ochroleuca*, and (2082) in *Orgyia antiqua*. – The described larvae were misassociated because Nielsen had bred adults of *Phryxe* from at least one of these hosts, and there is one specimen preserved in his collection:

(2083)* *Phryxe vulgaris* ex *Eupithecia innotata*, Tisvilde, 1.IV.1912.

(2084) p. 226: *Tachina larvarum* (= *Exorista larvarum*) parasite of *Zygaena lonicerae*, Kryger, Dyrehaven. p. 222: Descriptions. Fig. 8: egg and 1st stage larva in it. Figs. 9–12: 1st stage, hind part, spines on skin, pharyngeal skeleton, apex of median tooth. Figs. 13, 14: pharyngeal skeleton, 2nd and 3rd stage. Figs. 15–18: fore and hind spiracles, 3rd stage. Biology pp. 226–228. – This record is correctly cited in Baer 1921: 404 (reprint p. 184), but misquoted from there in the Thompson catalogue (*Phryxe vulgaris* instead of *Exorista larvarum*).

(2085) p. 228: *T.* (= *E.*) *larvarum* ex *Spilosoma lubricipeda* (= *S. lutea*).

(2086)* p. 231: *T. impotens* (misid. = *Exorista larvarum*, 3 ♂♂, 1 ♀) parasite of *Orgyia antiqua*, near Copenhagen (on label: Valby). p. 228: Descriptions. Fig. 19: hind part, 1st stage. Figs. 20–22: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 23, 24: fore and hind spiracles, 3rd stage. Biology pp. 231–232. – The true *T. impotens* is *Exorista fasciata*. Mesnil 1960: 579 has wrongly synonymized it with *Exorista sorbillans* and cited the host *Orgyia antiqua* wrongly under that species.

(2087) p. 234: *T. macrocera* (= *Exorista fasciata*) parasite of *Malacosoma castrensis*, Tisvilde. p. 232: Descriptions. Figs. 25–27: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 28–30: fore and hind spiracles, 3rd stage. Biology p. 234.

(2088) p. 235: *T. vidua* (prb. misid. = prb. *Exorista fasciata*) ex *Macrothylacia rubi*. Description of puparium. Fig. 31: hind spiracle. – Further specimens bred by Nielsen from the same host have been determined by Villeneuve 1914: 94 (see no. 2146) as *T.* (= *E.*) *fasciata*. The true *T. vidua* is *Exorista larvarum*.

(2089) p. 241: *Digonochaeta setipennis* (= *Triarthria setipennis*) in *Forficula auricularia*. p. 237: Descriptions. Figs. 32, 34: skin of 1st stage. Figs. 33, 35, 36: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 38, 39: fore and hind spiracle, 3rd stage. Fig. 40: hind end of 3rd stage in respiratory funnel (wrongly referred to the following species). Biology pp. 241–243.

(2090) p. 241, footnote: Undetermined species (= *Ocytata pallipes*, see Nielsen 1915: 213–214) in *Forficula auricularia*. Figs. 41, 42: 3rd stage, pharyngeal skeleton and fore spiracle. – Fig. 40 does not belong to this species, but to *T. setipennis*, see the rectification by Nielsen 1915: 213, footnote.

Nielsen 1913b

(2091) p. 372: *Ernestia radicum* (= *Eurithia anthophila*) in *Spilosoma lubricipeda* (= *S. lutea*). Correction of Nielsen 1909, no. 1765. The hosts were parasitized by two different tachinid species: The adults bred were *Tachina* (= *Exorista*) *larvarum*, but the larvae described under that name were *Ernestia radicum* (= *Eurithia anthophila*).

NIELSEN 1913c

(2092) p. 303: *Winthemia xanthogastra* (prb. misid. = prb. *Winthemia cruentata*) in *Sphinx ligustri*, Vemmetofte. p. 301: Descriptions. Fig. 1: egg and 1st stage in it. Figs. 2, 3: pharyngeal skeleton, 1st and 3rd stage. Figs. 4, 5: fore and hind spiracle, 3rd stage. Biology pp. 303–304. 74 grown-up parasite larvae in one host pupa.

(2093) – – (– = –) ex *Deilephila elpenor*.

PICARD 1913(a+b)

(2094) pp. 142–143 in a, p. 86 in b: *Degeeria funebris* (prb. misid. = prb. *Medina luctuosa*) ex *Haltica ampelophaga*, Southern France, SICARD. Life-cycle. The text is in a and b the same. – *Degeeria funebris* has been wrongly synonymized with *Arrhinomyia* (= *Leiophora*) *innoxia* by BAER 1921: 372–373 (reprint pp. 152–153), who mixed the two different species together, because he had misunderstood the synonymies stated by VILLENEUVE 1907: 248, 249, for *Masicera innoxia* Meigen and *Arrhinomyia separata* B.B.

PORCHINSKI 1913

(2095) On farms in the Stavropol prov. (North Caucasus, Russia), *Cnephalia bucephala* (= *Spallanzania hebes*) and *Tachina larvarum* (= *Exorista larvarum*) were found on baits exposed for collecting flies. The abundance of *Agrotis* (= *Euxoa*) *tritici* larvae on the fields was supposed to be the cause for the presence of these tachinids. – Cited as host record in the THOMPSON catalogue (reference to Review of applied Entomology B1: 151).

POSPELOV 1913

Ex *Agrotis segetum*, Kiev prov. (Ukraine), p. 208: (2096) *Peleteria tessellata* (= *Peleteria rubescens*), (2097) *Tachina larvarum* (= *Exorista larvarum*), (2098) *Cnephalia bucephala* (= *Spallanzania hebes*), and (2099) *Gonia capitata*.

RUDOW 1913

Ex *Saturnia pyri*, Hungary, p. 23: (2100) *Masicera pratensis* (= *Masicera pavoniae*), (2101) *Echinomyia tessellata* (= *Tachina magnicornis*) (unlikely), and (2102) *Tachina larvarum* (= *Exorista larvarum*).

Ex other host species, p. 23: (2103) *T. agilis* (= *Blondelia nigripes*, or misid.) ex *Parasemia plantaginis* (Hohe Tauern, Austrian Alps) and (2104) *T. larvarum* (= *Exorista larvarum*) ex *Aporia crataegi* (Tirol).

RÜHL 1913

A list of names only, no references, no annotations. The following record has not been found in other publications consulted by me: (2105) p. 60: *Minella chalybeata* (prb. misid., identity unknown) ex *Eurrhypara urticae* (= *E. hortulata*). – *Dufouria chalybeata* is a parasite of *Cassida* larvae.

SAKHAROV 1913a

Ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*, Astrakhan prov. (SE Russia), p. 8: (2106) *Tritochaeta polleniella* (= *Clemelis pullata*), and (2107) *Nemorilla maculosa* (prb. correct). – The same species were also bred in subsequent years, SAKHAROV 1915: 11.

Ex larvae of maiskii zhuk (= *Melolontha* sp.), Astrakhan prov., p. 15: (2108) *Microphthalma disjuncta* (misid. = *Microphthalma europaea*).

SAKHAROV 1913b

Ex vosklitsatel'naya sovka (= *Agrotis exclamationis*), Tver prov., Russia, p. 14: (2109) *Tachina larvarum* (= *Exorista larvarum*).

Ex ozimaya sovka (= *Agrotis segetum*), Tula prov., Russia, p. 15: (2110) *Gonia capitata*, (2111) *Cnephalia bucephala* (= *Spallanzania hebes*) (both species together 17 %), and (2112) *Tachina larvarum* (= *Exorista larvarum*) (less than 1 %).

TARNANI 1913

(2113) p. 315: *Mintho praeceps* (= prb. *Mintho rufiventris*) ex *Melolontha* sp., Tshernigov prov., N Ukraine. – Host prb. wrong. Cited also by TARNANI 1917: 18.

THOMPSON 1913

(2114) p. 559: *Sturmia scutellata* (= *Blepharipa pratensis*) important parasite of *Porthetria* (= *Lymantria*) *dispar*; (2115) not able to parasitize *Vanessa* (= *Nymphalis*) *antiopa*, (2116) nor *Parorgyia* (= *Orgyia*) *antiqua*, in experiment.

TÖLG 1913

(2117) p. 393: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*). Description of immature stages (pp. 394–404), 9 figures.

(2118) – – in experiment (p. 395) not parasite of *Euproctis chrysorrhoea*. Larvae penetrated into this host but did not reach the 2nd stage.

(2119) *Ceromasia ferruginea* (= *Erycilla ferruginea*) puparia found under moss in the outbreak area of *Lymantria monacha*. Numerous larvae of Tipulidae and Tabanidae were also present. – Recent observations have shown that *E. ferruginea* is a parasite of tipulid larvae.

Locality: Pladen (= Blatno) and Luwenz (= Lubenec) in NW Bohemia (near Jesenice). The list of *monacha*-parasites quoted on p. 393 has been published by WACHTL 1907: 21, not (as wrongly stated) by WACHTL & KORNAUTH 1893.

VIMMER 1913

(2120) p. 59: *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*) ex *Smerinthus ocellatus* [= no. 1656].

(2121) p. 63: *Leskia aurea* ex *Sesia cynipiformis* (= *Synanthedon vespiformis*). The previous record (VIMMER 1907: 3) from *S. asiliformis* (= *S. vespiformis*) is also cited.

(2122) p. 64: *Gymnodexia triangulifera* (= *Billaea triangulifera*, or misid. = *B. irrorata*) ex *Saperda populnea*.

Localities in Bohemia.

CATONI 1914

(2123) p. 250: *Phytomyptera nitidiventris* (= prb. *Phytomyptera nigrina*) ex *Polychrosis* (= *Lobesia*) *botrana*, Trentino (Italy).

DEAKIN 1914

(2124) p. 78: Oviparous tachinid sp. (= prb. *Phorocera obscura* or *Smidtia conspersa*) parasite of *Oporabia* (= *Oporinia*) *dilutata*.

(2125) p. 81: *Thryptocera pilipennis* (= *Actia pilipennis*) ex *Tortrix viridana*.

STEFANI-PEREZ 1914

(2126) p. 141: *Tachina larvarum* (misid., prb. a species of Sarcophagidae) frequently bred from egg-pods of *Dociostaurus maroccanus*, Sicily.

FINȚESCU 1914

(2127) p. 102: *Erythrocera pomariorum* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*, Romania. – Wrongly synonymized with *Prosopodes fugax* (= *Bessa parallela*) in Review of applied Entomology 3: 314, and the THOMPSON catalogue. For the true identity of *E. pomoriorum* see GOUREAU 1861, no. 398.

NIELSEN 1914

(2128) pp. 7–9: *Carcelia gnava* ex *Stilpnotia* (= *Leucoma*) *salicis*, Tisvilde (Denmark), up to 66 % parasitization.

PADALKA 1914

p. 470: *Tachina* sp. parasite of *Cimbex femorata* var. *silvarum*, Luga near St. Petersburg, not rare. – The biological data suggest, that two different species were present:

(2129) Young larvae in the intestine, host killed before spinning the cocoon (= prb. *Compsilura concinnata*).

(2130) Parasite larva bores out of the cocoon and pupates in the sand, puparium 10 mm long, not reared to adult (= prb. *Phebellia glauca*).

PILLICH 1914

(2131) p. 137: *Sturmia atropivora* (= *Drino atropivora*) ex *Acherontia atropos*.

(2132) *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*.

Locality: Simontornya, Hungary.

PLOTNIKOV 1914

(2133) p. 27: *Lydella nigripes* (prb. misid. = prb. *Blondelia piniariae*) ex *Bupalus piniarius* (common), and (2134) prb. also ex *Macaria* (= *Semiothisa*) *liturata*, which was mixed to about 3 % in the rearings of *B. piniarius*.

Locality: Tukums, Latvia.

PRELL 1914

(2135) p. 181: *Panzeria rudis* (= *Ernestia rudis*) parasite of Kieferneule (= *Panolis flammea*).

(2136) p. 192: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*).

(2137) p. 192: *Compsilura concinnata* parasite of *L. monacha*.

RABAUD & THOMPSON 1914

(2138) p. 329: *Minella chalybeata* (= *Dufouria chalybeata*) ex *Cassida deflorata*, RABAUD, Montauban (Tarn-et-Garonne). Fig. 1: 3rd stage, pharyngeal skeleton. Fig. 2: hind spiracle. Fig. 3: 2nd stage, pharyngeal skeleton. Fig. 4: 1st stage, pharyngeal skeleton. Fig. 5: hind spiracle.

RUDOW 1914

Ex *Panolis piniperda* (= *P. flammea*), no locality (prb. Brandenburg, D), p. 106: (2139a) *Tachina agilis* (= *Blondelia nigripes* or misid.), (2139b) *T. larvarum* (= *Exorista larvarum* or misid.), and (2139c) *Masicera pratensis* (prb. misid., identity unknown).

RÜHL 1914

A list of names only, no references, no annotations. The following records were not found in other publications consulted by me:

(2140) p. 91: *Masicera pratensis* (= *Masicera pavoniae* or misid.) ex *Papilio machaon*, and (2141) ex *Vanessa atalanta*. – Both records are questionable.

(2142) *Tachina sorbillans* (= *Exorista sorbillans* or misid., *E. grandis*) ex *Saturnia atlantica*. – In the handwritten catalogue of his collection, STROBL cites *Tachina lasiommata* (= *E. sorbillans*) ex *S. atlantica* in Algeria, the same record?

(2143) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Tortrix* (= *Sparganothis*) *pilleriana*. – Prb. correct. Author? Cited again by RÜHL 1917: 46.

SAKHAROV 1914

(2144) p. 26: *Blepharidea vulgaris* (= *Phryxe vulgaris*) ex *Evergestis extimalis*, Astrakhan (S Russia).

THOMPSON 1914

(2145) p. 562: *Erynnia nitida* (misid. = *Erynniopsis antennata*) parasite of *Galerucella luteola*. [More details in THOMPSON 1920a.]

VILLENEUVE 1914

(2146) p. 94: *Tachina fasciata* (= *Exorista fasciata*) ex *Lasiocampa* (= *Macrothylacia*) *rubi*, numerous, NIELSEN (Denmark).

WARDLE 1914

(2147) pp. 96–100: *Zenillia pexops*, det. WAINWRIGHT (misid. = *Myxexoristops stolida*), parasite of *Nematus* (= *Pristiphora*) *erichsonii*, Cumberland (North England), up to 56 % (p. 87). Hibernation as mature larva in the empty skin of the host. The species was misidentified as *Exorista crinita* or *E. alacris* (= *Ptesiomyia alacris*) in HEWITT 1912, and as *Lypha dubia* in MANGAN 1910. – *Z. pexops* (= *Myxexoristops blondeli*) is closely related to *M. stolida*.

AMARI 1915

Locality: Tokyo prov. The insect species are cited only by Japanese names, some of which are old and of uncertain meaning. Thanks are due to H. SHIMA who translated them as far as it was possible. [A few more hosts are cited in SHIMA 1999, 2006.]

(2148) p. 89: *Blepharipa sericariae* ex *Lymantria dispar* [in SHIMA 1996, 2006 only cited for AMARI 1916], (2149) ex *Malacosoma neustria*, (2150) ex *Spilosoma imparilis* Butler [in SHIMA 1996, 2006 only cited for AMARI 1916], and (2151) ex *Cystidia couaggaria* Guenée.

In dissections, tachinid larvae were found in the ganglia of the following test species which had swallowed *B. sericariae* eggs in laboratory experiments: (2152) *Menophra atrilineata* Butler; (2153) *Catocala jonasi* Butler [host listed (wrongly under Lasiocampidae) as *Caligula boisduvali* Eversmann by SHIMA 1999, corrected to *Saturnia jonasii* Butler (Saturniidae) by SHIMA 2006; the noctuid genus *Catocala* – as supposed here by HERTING – is inapplicable]; (2154) *Philudoria laeta* Walker [host as *Euthrix albomaculata* Bremer in SHIMA 1999, 2006]; (2155) *Dictyoploca japonica* Moore; (2156) *Antheraea yamamai* Guérin-Méneville; (2157) *Mamestra brassicae*; (2158) *Cyclophragma undans* Walker, and five other species cited by old names of doubtful identity.

CLUTTERBUCK 1915

(2159) p. 75: *Blepharidea vulgaris*, det. MORLEY (prb. misid. = ?*Phryxe nemea*, ?*P. magnicornis*, ?*Pseudoperichaeta nigrolineata*) ex *Carpocapsa* (= *Cydia*) *pomonella*, Gloucester.

DOBRODEEV 1915

(2160) p. 20: *Phytomyptera nitidiventris* (= *Phytomyptera nigrina*) ex grozdevaya listovertka (= *Lobesia botrana*), cited from literature. Not bred by the author in Russia. – Wrongly cited as original in the THOMPSON catalogue.

DOBROVLYANSKI 1915

All records from the Kiev prov. (Ukraine). Tachinids det. PORCHINSKI.

(2161) p. 594: *Carcelia gnava* ex *Lasiocampa* (= *Malacosoma*) *neustria*.

(2162) p. 596: *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Abraxas grossulariata*.

(2163) *Compsilura concinnata* ex *Euproctis chrysorrhoea*.

(2164) p. 599: – – ex *Diloba coeruleocephala*.

(2165) *Winthemia quadripustulata* ex *D. coeruleocephala*.

(2166) p. 699: *Ptychomyia selecta* (= *Bessa selecta*) ex *Pteronus* (= *Nematus*) *ribesii*, and (2167), p. 700, ex *Pristiphora pallipes*.

JORDAN 1915

(2168) pp. 151, 153: *Prosopodes fugax* (= *Bessa parallela*) ex *Hyponomeuta evonymi* (= *H. cognatella*) (Haardt/Rheinland-

Pfalz, D); (2169), pp. 153–155, parasitizes *Conchylis* (= *Eupoecilia*) *ambiguella* and (2170) *Polychrosis* (= *Lobesia*) *botrana*, in experiment.

NIELSEN 1915

(2171) p. 213: *Rhacodineura antiqua* (= *Ocytata pallipes*) in *Forficula auricularia*, Ermelunden, NIELSEN. Gentofte, KRYGER, 14 of 229 hosts parasitized. p. 211: Description of 3rd stage. Figs. 1–4: fore and hind spiracle. Biology pp. 213–215.

(2172) p. 214: *Digonochaeta setipennis* (= *Triarthria setipennis*) in *F. auricularia*, Gentofte, KRYGER, 25 of 229 hosts parasitized.

(2173)* p. 217: *Ernestia connivens* (misid. = *Eurithia anthophila*) ex *Mamestra persicariae*, KRYGER. – The misidentification of the reared fly was corrected by LUNDBECK 1927: 495, and confirmed by extending the genitals. Data on the label: Gentofte, host collected IX.1913, fly emerged 20.VI.1914. The described puparium belongs to this species.

(2174) – – According to a rectification by NIELSEN 1917: 26, the larvae supposed to be *Ernestia* (= *Eurithia*) *connivens* are probably *Plagia trepida* (prb. misid. = prb. *Athrycia curvinervis*, see no. 2295), which parasitized the same host species, *Mamestra persicariae*. The adult was not reared. Descriptions, p. 215: Figs. 5, 6: pharyngeal skeleton, 2nd and 3rd stage. Figs. 8–10: fore and hind spiracles, 3rd stage. Biology pp. 217–218.

PRELL 1915

(2175) p. 58: *Parasetigena segregata* (= *Parasetigena silvestris*) ex Nonne (= *Lymantria monacha*), Görlitz (Sachsen, Germany). Biology, immature stages, 42 figures.

(2176) p. 87: – – parasite of *Lymantria dispar* in laboratory.

(2177) p. 118: *Panzeria rudis* (= *Ernestia rudis*) ex *Panolis piniperda* (= *P. flammea*), Sachsen. Biology, immature stages, 32 figures.

(2178) p. 144: – – not able to parasitize *Lymantria monacha* in experiment.

ROSSIKOV 1915

(2179) p. 12: *Lydella nigripes* (= *Blondelia nigripes*) common parasite of *Aporia crataegi*, Aleshki (near Kherson, Ukraine), 60 % in 1907. The same tachinid was also bred from *A. crataegi* at four places in Siberia (Krasnoyarsk, Minusinsk etc.).

SAKHAROV 1915 see SAKHAROV 1913a

SCHWANGART 1915

Ex *Oenophthira* (= *Sparganothis*) *pilleriana*, Pfalz, p. 384: (2180) *Prosopodes fugax* (= *Bessa parallela*) [= no. 1786], (2181) *Nemorilla maculosa* (= *Nemorilla* sp.) [= no. 1787], and (2182) *Gymnoparea pilipennis* (= *Actia pilipennis*) [= no. 1788].

(2183) p. 384: *Lypha dubia* adults common in infestations by *O.* (= *S.*) *pilleriana*. The parasitism was not ascertained, but living puparia that did not emerge in the same summer were noticed in the rearings, p. 386, footnote, presumed to be *P. fugax* in prolonged diapause.

Ex other hosts:

(2184) pp. 385, 386: *Prosopodes fugax* (= *Bessa parallela*) ex *Acalla* (= *Acleris*) *ferrugana* (BAER) [= no. 1988], (2185) ex *Depressaria applana* (KRAMER), (2186) ex *Hyponomeuta malinella* (ZSCHOKKE, Pfalz), (2187) ex *H. variabilis* (= *H. padella*) (KRAMER), and (2188) ex *H. cognatella* (SCHWANGART, Pfalz; also pp. 405, 407, 522).

(2189) pp. 387, 388: *Nemorilla maculosa* (misid. = *Nemorilla floralis*) [see no. 2259] ex *Mamestra persicariae*, KRAMER.

(2190)* *Nemorilla maculosa* ex *Acalla* (= *Acleris*) *ferrugana*, BAER. – See BAER 1921: 149 (reprint p. 115) [= no. 2401].

(2191) p. 397: Tachinid sp. (?*Bessa parallela*) ex *Polychrosis* (= *Lobesia*) *botrana*, Pfalz.

SCIARRA 1915

(2192) pp. 39, 41: *Leskia aurea* ex *Carpocapsa* (= *Cydia*) *pomonella* larvae overwintering in crevices of the bark of apple trees, Naples area. – The true host was probably the sesiid *Synanthedon tiphiaeformis*. In experiments of LUCCHESE 1938: 365, *Cydia pomonella* larvae were not accepted as host by larvae of *Leskia aurea*.

SEITNER 1915

Ex Kiefernspinner (= *Dendrolimus pini*) in a mass-outbreak near Wiener Neustadt (Lower Austria).

pp. 166–167: reared from half-grown larvae after hibernation: (2193)* *Zygobothria bimaculata* (= *Drino inconspicua*) (few specimens), and (2194)* *Pales pavida* (1 specimen).

pp. 168–169: from pupae and full-grown larvae collected end June/beginning July: (2195)* *Blepharipoda scutellata* (= *Blepharipa pratensis*), most common, ca. 50 % of the hosts parasitized, fig. 9: hind spiracles of 3rd stage; (2196)* *Masicera pratensis* (misid. = *Masicera sphingivora* mixed with *Exorista fasciata*), few specimens; (2197)* *Pales pavida*, 3 specimens; (2198)* *Zygobothria bimaculata* (= *Drino inconspicua*), 1 specimen.

THOMPSON 1915a

(2199) pp. 52, 53: *Carcelia cheloniae* (misid. = *Carcelia laxifrons*) parasite of *Euproctis chrysorrhoea*.

THOMPSON 1915b

(2200) pp. 87–89: Undetermined larva of Diptera Cyclorrhapha (= prb. not tachinid) parasitic in larva of *Sciara* sp., vicinity of Paris. 1 figure.

THOMPSON 1915c

(2201) pp. 413–416: *Fortisia foeda* (= *Loewia foeda*) ex *Lithobius* sp., England. Description of larval stages, 7 figures.

(2202) p. 416: Tachinid sp. (= *Eloceria delecta*) larva in *Lithobius* sp. – The parasite has been identified many years later by comparison with the larvae extracted from a female of *E. delecta* (pers. comm. by W. R. THOMPSON) [see HERTING 1960: 118; MESNIL 1973: 1226 obviously refers to the same material, but cites the host as *Lithobius forficatus*].

THOMPSON 1915d

(2203) pp. 602–605: *Digonochaeta setipennis* (= *Triarthria setipennis*) parasite of *Forficula auricularia*, France. Description of larval stages, 5 figures.

THOMPSON 1915e

(2204) pp. 671–674: *Plagia trepida* (= *Athrycia* sp.) in noctuid sp. Description of larval stages (figs. 2–5). – The tachinid was identified by VILLENEUVE who considered the three European *Athrycia* species as varieties of *A. trepida*.

(2205) p. 672: *Plagia ruralis* (= *Voria ruralis*) in noctuid sp. Description of 1st instar larva (fig. 1).

THOMPSON 1915f

(2206) pp. 717–721: *Plagia trepida* (= *Athrycia* sp.) parasite in noctuid sp. (figs. 2, 4).

(2207) – – *Sturmia scutellata* (= *Blepharipa pratensis*) parasite in *Lymantria dispar* (figs. 1, 3, 5). Effect of the 1st instar larva on the host.

VILLENEUVE 1915

(2208) p. 56: *Ceratochaeta caudata* (= *Phryxe caudata*) ex *Thaumetopoea pityocampa*, SURCOUF, Alpes-Maritimes.

[AMARI 1916, see SHIMA 1999; the records of AMARI 1915 (nos. 2148–2158) are repeated in this paper]

DOBRODEEV 1916

(2209) p. 42: *Ptychomyia selecta* (= *Bessa selecta*) ex *Cladius albipes* (= *Priophorus pallipes*), Kiev prov., Ukraine.

GOLOVIANKO 1916

(2210) p. 16: *Tachina* sp. (= *Istochaeta polyphyllae*, described by VILLENEUVE 1917: 307) parasite of adult *Polyphylla fullo*. Biology. Figs. 1, 10: eggs deposited on the venter of the host. Figs. 2–4: pharyngeal skeleton, 1st and 2nd stage. Fig. 5: hind spiracles, 2nd stage. Fig. 7: pharyngeal skeleton 3rd stage. Figs. 8–9: hind spiracles, 3rd stage. Figs. 13–14: puparium.

(2211) p. 19: *Tachina* sp. (= prb. *Istochaeta longicornis*) eggs on pronotum and head of adult *Amphimallon solstitialis*. – This position of the eggs on the host is typical for the eastern form of *I. longicornis*, see BORISOVA-ZINOV'EVA 1966: 427.

Locality: Ukraine (Kiev and Chernigov provinces).

LOOS 1916

(2212) *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), Liboch (= Libechov near Melnik, NW Bohemia), biology and ecology.

MARTELLI 1916

(2213) p. 95: *Phytomyptera nitidiventris unicolor* (= prb. *Phytomyptera nigrina*) ex *Zelleria oleastrella*.

(2214) p. 101: *Nemorilla notabilis* (= *Nemorilla floralis*, or misid. = *N. maculosa*) ex *Glyphodes* (= *Palpita*) *unionalis*.

Locality: Lecce (Apulia, Italy).

MEIJERE 1916

(2215)* p. 304: *Nemorilla notabilis* (= *Nemorilla floralis*, 2 ♂♂) ex *Botys* (= *Sylepta*) *ruralis*, Rotterdam.

(2216) p. 305: *Exorista cheloniae* (= *Carcelia lucorum*) ex *Phragmatobia fuliginosa*, Putten (Gelderland), OUDEMANS.

(2217) *Exorista grandis* ex *Saturnia pavonia*, Zierikzee, SNIJDER.

(2218) *Sturmia bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) sp., Wageningen, BOON.

Localities in the Netherlands.

NIELSEN 1916a

(2219) p. 10: *Phorocera caesifrons* (= *Phorocera obscura*) parasite of Maaler (= Geometridae) on *Quercus*, *Betula* etc.; (2220) ex Frostmaaler (= *Operophthera brumata*); (2221) ex *Hibernia* (= *Erannis*) *defoliaria*. p. 9: Descriptions. Figs. 1, 2: egg. Figs. 3, 4, 6: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 5, 7: fore spiracles, 2nd, 3rd stage. Fig. 8: hind spiracles, 3rd stage. Fig. 9: puparium. Biology pp. 10–12. – The two black stripes on the sides of the deposited egg in fig. 2 (not explained by NIELSEN) are injuries caused in the host skin by the two sharp blades of the ovipositor, see HERTING 1963 for details.

(2222) p. 14: *Pelatachina tibialis* ex *Vanessa* (= *Inachis*) *io*, Grib Skov, KRYGER.

(2223) – – larvae found in *V.* (= *Aglais*) *urticae*. p. 12: Description of 3rd stage. Fig. 10: pharyngeal skeleton. Fig. 11: hind spiracle. Figs. 12, 13: puparium. Biology p. 14.

(2224) p. 17: *Cistogaster globosa* ex adult *Aelia acuminata*, Lundtofte Bakker near Dyrehaven, KRYGER. p. 14: Descriptions. Fig. 14: spines on skin of 1st stage. Figs. 15–17: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 18, 19: 3rd stage, total and hind part. Fig. 20: puparium. Fig. 21: deposited eggs on host. Biology p. 16.

(2225)* p. 20: *Gymnosoma rotundata* (prb. misid. = prb. *Gymnosoma nudifrons*) larvae in adult *Chlorochroa* (= *Pitedia*) *juniperina*, Tibirke Bakker. p. 18: Descriptions. Fig. 22: spines on skin of 1st stage. Figs. 23, 24: pharyngeal skeleton, 1st, 2nd stage. Biology p. 20. Hibernation in 2nd stage in host. Adults were not reared. – Adult *Gymnosoma* collected by NIELSEN in the same place a few weeks before the bugs were *G. nudifrons* (seen by me).

(2226) – – footnote: In *Dolycoris baccarum* collected at the same place such parasite larvae were not found.

(2227) p. 21: *Subclytia rotundiventris* ex adult *Elasmucha grisea*, Tisvilde. Fig. 26: puparium. Fig. 27: egg on host.

Localities in Denmark.

NIELSEN 1916b

(2228) p. 135: *Gymnopeza albipennis* (= *Freraea gagatea*) ex adult *Harpalus ruficornis* (= *H. rufipes*), Gentofte (Denmark), KRYGER. 6 puparia (figs. 1–3) in the abdomen of the host.

NORDSTRÖM 1916

(2229) p. 117: *Exorista vulgaris* (= *Phryxe vulgaris*) ex hibernated pupa of *Pieris napi*; (2230), p. 118, ex *Vanessa* (= *Inachis*) *io*, common; (2231) ex *V.* (= *Aglais*) *urticae*.

(2232) p. 119: *Exorista fimbriata* (misid., ?*Phryxe nemea*) ["*Phryxe nemea*" would be a guess] ex hibernated pupa of *Argynnis euphrosyne*.

(2233) p. 120: *Winthemia quadripustulata* (or misid. = *W. cruentata*?) ex *Metopsilus* (= *Deilephila*) *porcellus*.

(2234) p. 125: *Exorista* sp. (identity unknown) ex pupa *Saturnia pavonia*.

(2235) p. 175: *Echinomyia fera* (= *Tachina fera*) ex hibernated pupae of *Mamestra pisi*. Puparium inside the empty host pupa.

(2236) p. 180: *Winthemia quadripustulata* ex *Cucullia lactucae*.

(2237) p. 193: *Ernestia radicum* (= *Eurithia anthophila*) ex *Spilosoma menthastri*.

Localities in Sweden.

PANTEL 1916

(2238 = 1889) p. 150: *Rhacodineura antiqua* (= *Ocytata pallipes*) ex *Forficula auricularia*, Holland, France, Spain, Portugal. Misid. by PANTEL 1910: 46, as *Ceromasia rufipes*.

RABAUD 1916

The three species recorded as parasites of *Zygaena occitanica* by RABAUD 1912: 81, are cited again.

RÜHL 1916

A list of names only, compiled from the literature, no references, no annotations.

(2239) p. 34: *Tachina festiva* ex *Lymantria dispar*. – The name of the tachinid is obsolete and its identity unknown. I have not found the origin of this enigmatic record.

SCHEIDTER 1916

(2240) p. 112: Tachinid sp. (= prb. *Myxexoristops abietis*) parasite of *Lyda hypotrophica* (= *Cephalcia abietis*), Bavaria. – The hibernation of the full-grown larva (not as puparium) in the cocoon of the dead host is typical for *Myxexoristops* spp.

SCHREINER 1916

(2241) p. 10: *Lypha dubia* ex *Cheimatobia* (= *Operophthera*) *brumata*, St. Petersburg prov. (Russia).

SCHUMACHER 1916

(2242) p. 362: Tachinid sp. (= prb. *Istochaeta longicornis*) eggs on the pronotum and head of adult *Rhizotrogus* (= *Amphimallon*) *solstitialis*, Dubrow (Mark Brandenburg, D). – This position of the eggs on the host is typical for the eastern form of *I. longicornis*, see BORISOVA-ZINOV'EVA 1966: 427.

TOWNSEND 1916

(2243) p. 318: *Neophryxe psychidis* n. sp. ex psychid sp. on *Azalea*, Japan.

(2244) p. 319: *Kuwanimyia conspersa* n. sp. ex *Euproctis conspersa* (= *E. pseudoconspersa*), Tokyo, Japan.

VILLENEUVE 1916

(2245 = 2228) p. 259: *Gymnopeza albipennis* (= *Freraea gagatea*) ex adult *Harpalus ruficornis* (= *H. rufipes*), NIELSEN, Denmark.

(2246) p. 260: *Ceratochaeta setifacies* (= *Phryxe setifacies*) ex *Zygaena filipendulae*, and (2247) ex *Z. fausta*, DUMÉE, Yonne.

(2248) *Ceratochaeta prima* (= *Phryxe prima*) ex *Zygaena fausta*, XAMBEU, Pyrénées-Orientales. (= XAMBEU 1905: 57, VILLENEUVE 1908a: 100).

(2249) *Tricholyga nova* (= *Exorista nova*) ex *Zygaena filipendulae*, PIERRE.

(2250) *Gymnobasis microcera* (= *Billaea maritima*) ex *Cetonia* sp., SICARD, Lattes near Montpellier.

Locality: France, unless otherwise stated.

WAHL 1916

(2251) p. 5: *Meigenia bisignata* (misid. = prb. *Nemorilla* sp.) ex *Hyponomeuta variabilis* (= *H. padella*), Karlsruhe (D).

WORSLEY-WOOD 1916

(2252) p. 22: *Echinomyia "possa"* (= *Tachina grossa*) ex *Dimorpha* (= *Endromis*) *versicolora*, Britain.

KRAMER 1917

SCH. = SCHÜTZE, Rachlau (Lausitz, Sachsen, D).

(2253) p. 262: *Argyrophylax bimaculata* (= *Drino inconspicua*, or misid. = *D. bohemica*) ex *Lophyrus* (= *Diprion*) *hercyniae*, STARKE.

(2254) p. 262: *Winthemia quadripustulata* ex *Cucullia scrophulariae*, SCH., (2255) *Cucullia umbratica*, SCH. and (2256) *Ammoconia caecimacula*, SCH.

(2257) p. 263: *Carcelia lucorum* B.B. (sensu Villeneuve = *Carcelia puberula*) common during the outbreak of the Nonne (= *Lymantria monacha*) and disappeared afterwards.

(2258) p. 263: *Nemorilla maculosa* (or misid. = *Nemorilla floralis*) ex *Eurrhypara urticata* (= *E. hortulata*), SCH.

(2259)* – – (misid. = *Nemorilla floralis*) ex *Mamestra persicariae*, STARKE [= no. 2189].

(2260) p. 265: *Lydella stabulans* (prb. wrong = prb. *Blondelia nigripes*) ex *Mamestra serena* (= *M. bicolorata*). SCH., (2261) *Dianthoecia cucubali* (= *Hadena rivularis*), SCH., and (2262) *Abraxas grossulariata*, SCH.

(2263) to nos. 2260–2262: *L. stabulans* is a parasite of stemboring noctuid larvae. No host is recorded in this paper for the polyphagous species *Lydella* (= *Blondelia*) *nigripes*, and it is likely that the records were, by lapse, misplaced under the wrong species.

(2264) p. 265: *Bactromyia aurulenta* ex *Hyponomeuta evonymella* Scopoli (= *H. cognatella*).

(2265) *Prosopodes fugax* (= *Bessa parallela*) ex *Hyponomeuta variabilis* (= *H. padella*), KRAMER. [= no. 2187], and (2266) *Depressaria applana*, STARKE [= no. 2185].

(2267) *Frivaldskia distincta* (= *Campylochaeta inepta*) ex *Larentia* (= *Epirrhoe*) *galiata*, STARKE.

(2268) p. 266: *Compsilura concinnata* ex *Spilosoma menthastri*, SCH., (2269) *Arctia caja*, SCH., and (2270) *Eriogaster lanestris*, SCH.

(2271) p. 268: *Histochaeta marmorata* (= *Thelymorpha marmorata*) ex *Arctia caja*, SCH.

(2272)* p. 270: *Paraplagia ruficornis* (misid. = *Athrycia impressa*) ex *Arctia* (= *Rhyparia*) *purpurata*, STARKE. – *P. ruficornis* is *A. curvinervis*.

(2273) p. 271: *Bucentes cristata* (?misid. = *Siphona* sp.) ex *Leucania obsoleta*, STARKE.

(2274) *Digonochaeta setipennis* (= *Triarthria setipennis*) ex *Forficula auricularia*, SCH. and STARKE, (2275) *Coelocrabro cinxius*, SCH., (2276) *Dioryctria abietella*, STARKE, and (2277) ex *Carpocapsa* (= *Cydia*) *pomonella*, STARKE. – The latter three hosts prb. wrong.

(2278) *Actia crassicornis* ex *Depressaria applana*, SCH. [= no. 1842].

(2279) – – (prb. misid. = prb. *Actia pilipennis*) ex *Tortrix viridana*, SCH. [= no. 1843].

(2280) *A. frontalis* (= *Actia lamia*) ex *Grapholitha pflugiana* (= *Epiblema scutulana*), STARKE.

(2281)* p. 272: *A. bicolor* (= *Ceromyia bicolor*) ex *Eriogaster lanestris*, SCH. and STARKE. – Two specimens bred by SCH. are in the collection [not stated by HERTING in *which* collection].

(2282) *A. pilipennis* (misid. = *Actia nudibasis*) ex *Evetria* (= *Rhyacionia*) *buoliana*, SCH.

(2283) – – (prb. misid. = prb. *Actia nudibasis* or, if the foodplant was not *Pinus*, prb. *A. maksymovi*) ex *Dioryctria abietella*, SCH.

(2284) *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta variabilis* (= *H. padella*).

(2285) p. 273: *Arrhinomyia tragica* (= *Elodia morio*) ex *Carpocapsa* (= *Cydia*) *pomonella*, STARKE.

(2286) *A. cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, KRAMER.

(2287) *Pelatachina tibialis* ex *Agrotis strigula* (= *Lycophotia porphyrea*), JÄKEL, (2288) ex *Habryntis* (= *Phlogophora*) *scita*, JÄKEL, and (2289) ex *Thaumetopoea pityocampa*, JÄKEL, Tirol (prb. Trentino, Italy, the host is a South European species). – The latter record is questionable.

(2290) *Leskia aurea* ex *Sesia* (= *Synanthedon*) *scoliaeformis*, STARKE.

Localities in the Oberlausitz (Sachsen, Germany), unless otherwise stated.

LÉCAILLON 1917a(+b)

(2291) p. 881: *Meigenia floralis* (= prb. *Meigenia mutabilis*) parasite of *Colaspidema atra*, Toulouse, Bordeaux, Montpellier. Some details on biology, also in LÉCAILLON 1917b: 159–161.

(2292) p. 883: – – (= *Meigenia mutabilis*, or misid. = *M. simplex*) parasite of *Crioceris asparagi*, Toulouse.

NIELSEN 1917

(2293) p. 26: *Panzeria minor* n. sp. (= *Ernestia laevigata*) parasite of *Taeniocampa pulverulenta* (= *Orthosia cruda*), and (2294) of *Calymnia* (= *Cosmia*) *trapezina*, Skovene near Copenhagen. p. 23: Descriptions. Fig. 1: scales on skin of 1st stage. Figs. 2–4: pharyngeal skeleton, 1st, 2nd, 3rd stage. Figs. 5, 6: fore and hind spiracles, 3rd stage. Biology p. 26.

(2295) *Plagia trepida* (prb. misid. = prb. *Athrycia curvinervis*) in *Mamestra persicariae*. The larvae described as *Ernestia connivens* by NIELSEN 1915: 215 (except the puparium) belong probably to this species. Adults were not reared. – Specimens of *A. curvinervis* in coll. NIELSEN (det. by me) have been obtained in 1916 from unidentified Lepidoptera. The different *Athrycia* spp. were confounded by VILLENEUVE under the name *Plagia* (= *A.*) *trepida*, but the flight period of true *A. trepida* is in May–June, when suitable larval stages of *Mamestra* spp. are not yet available as hosts.

(2296) p. 27: *Winthemia quadripustulata* ex *Brotolomia* (= *Phlogophora*) *meticulosa*, KRYGER, description of egg and 3rd stage, fig. 7: pharyngeal skeleton; (2297) ex *Cucullia lychnitis*; (2298) ex *Vanessa* (= *Inachis*) *io*; (2299) ex *V.* (= *Aglais*) *urticae*.

(2300) p. 28: *Frivaldzkia distincta* (= *Campylochaeta inepta*) ex *Drepana falcataria*, (2301) *Ematurga atomaria*, (2302) *Cabera pusaria*, (2303) *C. exanthemata*, (2304) *Cidaria* (= *Electrophaes*) *corylata*, (2305) *Tephroclystia* (= *Eupithecia*) *indigata*, and (2306) ex young larvae of *Sphinx* (= *Hyloicus*) *pinastri*. – Rearings by KRYGER, WORM-HANSEN, HOFFMEYER. Biology, description of 3rd stage. Figs. 8–10: pharyngeal skeleton and parts of it. Figs. 11, 12: fore and hind spiracles.

(2307) p. 30: *Campylochaeta obscura* (= *Campylochaeta praecox*) ex *Crocallis elinguaria*, WORM-HANSEN, Tisvilde. Biology, description of 3rd stage. Figs. 14, 15, 16: pharyngeal skeleton, fore and hind spiracles.

(2308) p. 31: *Tachina rustica* (= *Exorista rustica*) ex tenthredinid larvae on clover (= *Tenthredo arcuata*, see NIELSEN 1918: 259), Lyngby, KRYGER. p. 30: Description of egg and 1st stage. Fig. 17. egg-shell, larva, and respiratory opening. Fig. 18: pharyngeal skeleton. Hibernation as 1st stage larva in the host.

(2309) p. 33: *Goniocera enigmatica* n. sp. (= *Goniocera schistacea*) attacking young larvae of *Malacosoma castrensis*, Tisvilde, KRYGER. Biology. Fig. 19: egg including 1st stage. Fig. 20: pharyngeal skeleton, 1st stage.

Localities in Denmark.

PAILLOT 1917

(2310) p. 336: *Meigenia floralis* (= *Meigenia mutabilis*, or misid. = *M. simplex*) common parasite of *Crioceris asparagi*, Dijon (France).

RUDOW 1917

(2311) p. 17: *Masicera pumila* Meigen (identity unknown) ex *Hyponomeuta* spp. pupae, Naumburg/Saale.

RÜHL 1917

A list of names only, compiled from the literature, no references, no annotations. The records published by NORDSTRÖM 1916 and SCHWANGART 1915 are quoted, but one misquotation from both papers has happened:

(2312) p. 42: *Exorista* (= *Phryxe*) *vulgaris* ex *Argynnis euphrosyne*. – NORDSTRÖM 1916: 119, has recorded *E. fimbriata* from this host, see no. 2232.

(2313) p. 46: *Phytomyptera nitidiventris* (= *P. nigrina*) ex *Clysia* (= *Eupoecilia*) *ambiguella*. – SCHWANGART 1915: 397, mentions *Conchylis cebrana* as known host of *P. nigrina* and *C. ambiguella* as closely related to it.

SCHEIDTER 1917

(2314) p. 124: *Sarcophaga albiceps*, det. KLEINE (misid. = *Billaea irrorata*), ex *Saperda populnea*, Bavaria (D). Puparia often found in the tunnels of the host. – See also KLEINE 1910.

TARNANI 1917 see TARNANI 1913

VILLENEUVE 1917

(2315) p. 307: *Hyperecteina polyphyllae* n. sp. (= *Istochaeta polyphyllae*) ex *Polyphylla fullo*, GOLOVIANKO, Ukraine (= no. 2210).

ADAIR 1918

(2316) p. 87: *Gonia cilipeda* (= *Gonia bimaculata*) ex cutworms (= prb. *Agrotis ypsilon*, p. 85).

(2317) *Gymnopareia aegyptia* (= *Peribaea orbata*) ex *Prodenia* (*P. litura*, p. 85, = *Spodoptera littoralis*).

(2318) *Argyrophylax atropivora* (= *Drino atropivora*) ex *Chaerocampa* (= *Hippotion*) *celerio*, (2319) *A.* (*Acherontia*) *atropos*, and (2320) *S.* (*Sphinx* = *Herse*) *convolvuli*.

Localities in Egypt.

CHARBONNIER 1918

(2321) p. 28: *Exorista cheloniae* (= *Carcelia lucorum*) ex *Arctia caja*.

(2322) p. 29: *Thryptocera crassicornis* (prb. misid. = prb. *Actia pilipennis*) ex *Tortrix* (= *Archips*) *podana*.

Both records from Somerset (Britain).

DEL GUERCIO 1918

(2323) p. 229: Tachinid larvae, prb. *Masicera* sp. (misid., identity unknown) parasite of *Gelechia* (= *Phthorimaea*) *ocellatella*, near Firenze (= Florence, Italy).

LJUNGDAHL 1918

Ex *Mamestra dissimilis* (= *M. suasa*), Sweden, p. 84: (2324) *Bucentes cristata* (= *Siphona cristata*, prb. correct), and (2325) *Exorista vulgaris* (= *Phryxe vulgaris*).

NIELSEN 1918

(2326) p. 249: *Macquartia dispar* ex *Chrysomela* (= *Chrysolina*) *sanguinolenta*.

(2327)* *Macquartia grisea* ex *C.* (= *Chrysolina*) *fastuosa*. – 1 ♂, Grib Skov, 8.IX.1917, KRYGER.

(2328) p. 253: *Viviania cinerea* (= *Zaira cinerea*) ex *Amara aulica*, (2329) *Broscus cephalotes*, (2330) *Calathus erratus*, (2331) *C. fuscipes*, (2332) *Harpalus ruficornis* (= *H. rufipes*), (2333) *H. rubripes*, and (2334) *Pterostichus niger*. Solitary parasite in these small carabid species, leg. KRYGER.

(2335) *Tachina larvarum* (= *Exorista larvarum*) ex *Acronicta auricoma*. – The determination is confirmed by LUNDBECK 1927: 384.

(2336 = 2002) – – ex *Acronicta menyanthidis*. – Cited by NIELSEN 1911: 6–7, as undetermined tachinid.

(2337) p. 255: *Zenillia boettcheri* (= *Nilea rufiscutellaris*) ex *Acronicta auricoma*.

(2338) p. 257: *Ocyptera brassicaria* (= *Cylindromyia brassicaria*) parasite of *Dolycoris baccarum*, annual life cycle.

(2339)* p. 259: *Ptychomyia selecta* (= *Bessa selecta*) ex *Nematus abdominalis* (= *Nematinus fuscipennis*). – Host collected in October 1915, adult fly emerged 30.V.1916. Locality: Hareskov.

(2340) – – ex *Blennocampa geniculata* on *Fragaria* (= *Monophadnoides confusa*).

(2341 = 2308) *Tachina rustica* (= *Exorista rustica*) ex *Allantus arcuatus* (= *Tenthredo arcuata*), KRYGER. – Cited by NIELSEN 1917: 31 as undetermined sawfly on clover.

Localities in Denmark.

SASAKI 1918

(2342) p. 377: *Crossocosmia sericariae* (= *Blepharipa sericariae*) parasite of *Bombyx mori*. Details on parasite development inside the host after the eggs are swallowed. – Not seen in original. Abstract in Review of applied Entomology 7: 12.

TONGE 1918

(2343) p. 56: *Echinomyia grossa* (= *Tachina grossa*) ex *Lasiocampa quercus* var. *callunae*, Preston (Britain).

ZVEREZOMB-ZUBOVSKY 1918

(2344) p. 12: Tachinid sp. (= ?*Xylotachina diluta*) ex *Cossus cossus*, 30 parasites in one host larva.

(2345) p. 18: *Echinomyia fera* (prb. misid. = prb. *Tachina praeceps*) ex *Euproctis chrysorrhoea*, most effective parasite in 1890.

Locality: Don province, South Russia.

MEIJERE 1919

(2346) p. 181: *Sturmia bimaculata* (= *Drino inconspicua*) ex *Lophyrus rufus* (= *Neodiprion sertifer*), Putten, OUDEMANS.

(2347)* *Exorista glauca* (= *Phebellia glauca*, 2 ♂♂, 1 ♀) ex *Cimbex femorata*, v. ROSSUM.

(2348)* *Parerynnia vibrissata* (misid. = *Pseudoperichaeta nigrolineata*, 2 ♂♂, 1 ♀) ex *Oenophthira* (= *Sparganothis*) *pilleriana*, Beverwijk, SCHOEVERS.

(2349)* *Plagia ruralis* (= *Voria ruralis*) ex *Pionea* (= *Evergestis*) *forficalis* (misid. = *Plusia gamma*), Putten, OUDEMANS. Pinned with the the empty skin of the host caterpillar and the puparia of the five flies in it. – I have sent the remnants of the host to the pyralid specialist I. HASENFUSS, who determined it as *Autographa gamma*.

(2350)* p. 182: *Neaeropsis incurva* (= *Picconia incurva*, 1 ♀ emerged 28.VI.1917) ex *Galeruca pomonae*, Veenendaalsche Heide, SCHOEVERS.

(2351) *Ptychomyia selecta* (= *Bessa selecta*) ex *Lygaeonematus pini* (= *Pristiphora abietina*), and (2352) *Ardis plana* (= *Eopareophora plana*), both Putten, OUDEMANS.

(2353 = 1627) *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) sp., Montferland, ROSSUM. Correction of MEIJERE 1907: 161.

(2354)* *Nemorilla maculosa* (1 ♂, 1 ♀, 23.IV.) ex *Scythris inspersella*, Ommen, SCHUYT.

Localities in the Netherlands.

NIELSEN 1919

(2355) p. 2: *Plagia ruralis* (= *Voria ruralis*) ex *Plusia jota*, SØNDERUP, and (2356) ex *Plusia gamma*, KRYGER. Figs. 1–4: 3rd stage, pharyngeal skeleton, fore and hind spiracles.

Localities in Denmark.

OUDEMANS 1919

(2357) p. XLVI: *Nemoraea* sp. (misid. = *Ernestia rudis*) ex *Panolis griseovariegata* (= *P. flammea*), Veluwe (NL), common. – Correct identification (as *Panzeria rudis*) in OUDEMANS 1921: 334.

RAMBOUSEK & STRAŇÁK 1919

Ex *Agrotis segetum*, Bohemia, p. 28: (2358) *Pseudogonia hebes* (= *Spallanzania hebes*), (2359) *Phryxe vulgaris*, and (2360) *Gonia divisa* (prb. misid. = prb. *Gonia capitata*).

REICHERT 1919

(2361) p. 524: Tachinid (= prb. *Winthemia cruentata*), 176 eggs glued on the skin of a single *Sphinx ligustri* caterpillar. – Published again by REICHERT 1925: 167.

(2362) Planoconvex egg with preformed opening (= prb. *Bessa selecta*) on a larva of *Priophorus padi* (= *P. pallipes*) (fig. 7).

The illustrated tachinids, recorded as parasites of *Metopsilus* (= *Deilephila*) *porcellus* in the literature, were not reared by the author.

RÜHL 1919

A list of names only, no references, no annotations. The following records were not found in other publications consulted by me:

(2363) p. 16: *Carcelia gnava* (prb. misid. or wrong quotation, identity unknown) ex *Acronicta menyanthidis*, (2364) *Cerura vinula*, (2365) *Notodonta ziczac*, (2366) *Smerinthus ocellatus*, and (2367) *S.* (= *Laothoe*) *populi*. All these hosts are atypical and very unlikely for *C. gnava*.

THEOBALD 1919

(2368 = 1630) p. 171: *Thelymorpha vertiginosa* (= *Thelymorpha marmorata*) ex *Euproctis chrysorrhoea*, East Kent (Britain), in orchards. – See also THEOBALD 1907.

VILLENEUVE 1919

(2369) p. 306: *Zenillia böttcheri* (= *Nilea rufiscutellaris*) ex *Acronicta auricoma*, NIELSEN, Denmark. (= no. 2337).

[YERBURY 1919, see TSCHORSNIG 2017]

VUILLET 1919

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, 15 larvae, SW France, p. 309: (2370) 2 *Paraphorocera senilis*, dark form, det. VILLENEUVE (= *Lydella thompsoni*); (2371) 1 *Lydella stabulans*, det. SÉGUY (misid. = *L. thompsoni*); (2372) 1 puparium, adult not yet emerged (= *Pseudoperichaeta nigrolineata*, see VUILLET 1921: 441, where the definite results of this rearing are recorded).

RENNIE & SUTHERLAND 1920

(2373) p. 199: *Bucentes geniculata* (= *Siphona geniculata*) ex *Tipula paludosa*. Two parasite generations on one annual host generation. Figs. 1–9: 1st, 2nd, 3rd stage in funnel attached to host trachea. Figs. 10–12: pharyngeal skeleton, all three stages. Fig. 13: head and pharyngeal skeleton, 3rd stage. Fig. 14: puparium. Fig. 17: hind spiracles, 3rd stage. Figs. 18–19: hind spiracles, 2nd stage. Figs. 20–24: fore spiracles, 3rd stage. Fig. 25: fore spiracles, 2nd stage.

(2374) – – ex *Tipula oleracea*.

Locality: Scotland and Northern England.

THOMPSON 1920a

(2375) p. 181: *Erynnia nitida* (misid. = *Erynniopsis antennata*) ex *Galerucella luteola*, Italy, numerous.

(2376) *Degeeria collaris* (= *Medina collaris*) ex *Galerucella luteola*, Bevagna, Italy. Description of 3rd instar larva and puparium.

THOMPSON 1920b

(2377) p. 199: *Rhacodineura antiqua* (= *Ocytata pallipes*) parasite of *Forficula auricularia*. Description of egg and primary larva.

THOMPSON 1920c

(2378): Tachinid sp. (= prb. *Bessa parallela*) in *Phytonomus posticus* (= *Hypera postica*), Italy. The adult was not reared, but the egg and the three larval stages were very similar to *Tachina impotens* (= *Exorista larvarum*) as described by NIELSEN 1913a: 228. – *Bessa parallela* has the same type of egg and larval characters, its body size corresponds to the host, and it has recently been bred from *Hypera salviae* (MELLINI 1960: 209).

TRÄGÅRDH 1920

(2379) pp. 318, 328: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of nunnan (= *Lymantria monacha*), Gualöv, NE Skåne, Sweden.

VILLENEUVE 1920a

(2380) p. 119: *Erynnia nitida* sensu Rondani, not Rob.-Desv. (= *Erynniopsis antennata*) ex Galéruque de l'Orme (= *Galerucella luteola*), THOMPSON, S. Europe.

(2381) p. 120: *Heraultia albipennis* n. sp. ex *Metzneria carlinella*, SICARD, Montpellier.

WILLE 1920

(2382) p. 83: *Tachina puparum* (misid. = *Blepharipa pratensis*) common parasite of Kiefernspinner (= *Dendrolimus pini*), Guben (Niederlausitz, Germany). Figs. 1–3: hind stigma of 3rd stage. Figs. 9–10: prothoracic stigma of pupa and adult before emerging from the puparium.

BAER 1921

A review of the biology of European Tachinidae. Host records are mostly cited from the literature (those without ref-

erence are all quoted from BEZZI 1907), but those marked as "Tharandter Sammlung" or "Baer" are original and listed in the following abstract. There are also a few unpublished breeding records with reference to other authors. Some records from literature have been misquoted by BAER (the tachinid or host species wrongly synonymized), these have been already rectified under nos. 872, 942, 1060, 1204, 1237, 1238, 1289, 1423, 1544, 1592, 1598, 1642, 1654, 1889, 1986, 2051, 2094. The paper was also printed as a book, the page numbers of which are cited here after the slash.

(2383) pp. 133/99 (and 1920, pp. 226/42): *Ernestia radicum* (= *Eurithia anthophila*) ex *Malacosoma castrensis*, NIELSEN. – Misreading of NIELSEN 1913b (no. 2091). Only the host *Spilosoma lubricipeda* (= *S. lutea*) was parasitized by *Eurithia anthophila* and *Exorista larvarum*, the immature stages of which were confounded by NIELSEN 1909 (nos. 1765, 1766).

(2384 = 1808) pp. 138/104: *Sturmia scutellata* (= *Blepharipa pratensis*) ex *Dendrolimus pini*.

(2385 = 1806) *S. bimaculata* (= *Drino inconspicua*) ex *Dendrolimus pini*, (2386) ex *Lymantria monacha*, (2387) ex *Lophyrus* (= *Diprion*) *pini*, and (2388) ex *L.* (= *Neodiprion*) *sertifer*.

(2389) pp. 140/106: *Winthemia amoena* (= *Timavia amoena*) ex *Panolis griseovariegata* (= *P. flammea*), KRAMER.

(2390) pp. 143–144/109–110: *Carcelia gnava* (det. VILLENEUVE) ex *Dasychira pudibunda*, and (2391) ex Ringelspinner (= *Malacosoma neustria*) (TORKA).

(2392) *Carcelia gnava* assumed by KRAMER to parasitize the Kieferneule (= *Panolis flammea*). – Misquotation. Not published by KRAMER, probably misreading of no. 1985 (KRAMER 1911: 123–124, Nonne and Kieferneule confounded by BAER).

(2393) pp. 145/111: *Carcelia rutilla* (= *Senometopia pollinosa*) ex *Bupalus piniarius*, common parasite in outbreaks of the host, BAER.

(2394) *C. lucorum* B.B., det. VILLENEUVE (= *Carcelia puberula*) ex *Lymantria monacha*, Oberlausitz. – Wrongly cited as *Carcelia lucorum* Meigen in the THOMPSON catalogue.

(2395) pp. 146/112: *C. bisetosa* ex *Acronicta alni*, no reference nor locality. – Not found in preceding literature, most likely a lapse. The subsequent record ex *Acronicta psi* with reference to MORLEY is a distortion of no. 1598 (*Nilea hortulana* wrongly synonymized with *C. bisetosa*). The true *bisetosa* is a *Paratryphera*.

(2396)* *Exorista lota* (misid. = *Nilea hortulana*, 1 ♂) ex *Hyloicus pinastri*.

(2397) pp. 147/113: *E. affinis* (= *Huebneria affinis*) was fairly common in woods during the outbreaks of *Lymantria monacha* and is assumed to be a parasite of this host. Not reared. – The assumption is prb. wrong.

(2398) *E. confinis* (= *Aplomyia confinis*) ex *Zephyrus* (= *Quercusia*) *quercus*, and (2399) ex *Tephroclystia* (= *Eupithecia*) sp. (KRAMER, host questionable).

(2400) *Exorista westermanni* (= *Eumea linearicornis*) ex *Calymnia* (= *Cosmia*) *affinis*, Museum Hamburg. – Wrongly synonymized with *Zenillia* (= *Eumea*) *mitis* in the THOMPSON catalogue.

(2401)* pp. 149/115: *Nemorilla maculosa* ex *Acleris ferrugana*.

(2402) *Epicampocera conspersa* (= *Smidtia conspersa*) ex *Taeniocampa* (= *Orthosia*) *stabilis*, and (2403) ex *T. pulverulenta* (= *O. cruda*), both in Museum Bremen.

(2404)* pp. 152/118: *Phryxe vulgaris* (misid. = *Phryxe magnicornis*) ex *Zygaena* sp.,

(2405)* – – (misid. = *Phryxe erythrostoma*, 2 ♀♀) ex *Panolis griseovariegata* (= *P. flammea*). – The host is questionable, because an unnoticed presence of pupae of the normal host *Hyloicus pinastri* in the rearing is possible.

(2406)* – – (prb. misid. = prb. *Phryxe magnicornis*, 1 ♀) ex *Evetria* (= *Rhyacionia*) *buoliana*.

(2407) – – (prb. misid. or host wrong) ex *Hyponomeuta padella*, KRAMER.

(2408) pp. 153/119: *Zenillia libatrix* ex *Thaumetopoea processionea*, (2409) ex *Porthesia* (= *Euproctis*) *similis* (KRAMER), and (2410) (misid.? = ?*Senometopia pollinosa*) ex *Bupalus piniarius* (KRAMER).

(2411) pp. 155/121: *Ceromasia rutila* ex Ohrwurm (= *Forficula auricularia*). – *C. rufipes* of PANTEL 1910 (misid. = *Ocytata pallipes*, see nos. 1889, 2238) wrongly synonymized with *C.* (= *Erycilla*) *rutila*.

(2412) pp. 156–157/122–123: *Lydella nigripes* (misid. = *Blondelia piniariae*) ex Kiefernspanner (= *Bupalus piniarius*), common, biology. – Host wrongly cited by LUNDBECK 1927: 300, as *Dendrolimus pini* (= Kiefernspinner).

(2413) – – (= *Blondelia nigripes*) [prb. misid = prb. *B. pinivorae*] ex *Thaumetopoea pinivora*.

(2414) – – ex *Tephroclystia* (= *Eupithecia*) sp., KRAMER.

(2415) – – ex *Hyponomeuta padella*, KRAMER.

(2416) pp. 158/124: *Erycia gyrovaga* (= *Drino vicina* or misid. = *D. galii*) [concluded from the host, there would be no evidence for *D. galii*] ex *Deilephila* (= *Celerio*) *vespertilio*, KRAMER.

(2417) pp. 159/125: *Prosopaea fugax* (= *Bessa parallela*) ex *Acleris ferrugana*, and (2418) ex *Hyponomeuta cognatella*.

(2419)* pp. 160/126: *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *Ocneria detrita*. Cf. BRAUER & BERGENSTAMM 1894: 571.

(2420) pp. 163/129: *Compsilura concinnata* ex *Hyponomeuta cognatella*, KRAMER.

(2421)* pp. 349/129: *Pales pavida* (misid. = *Pales processioneae*, genitals compared, 2 ♂♂, 1 ♀, Rudnitz 1877) ex *Thaumetopoea processionea*.

(2422)* – – (misid. = *P. processioneae*, genitals compared, 1 ♂, no locality and no date on label) ex *Lymantria monacha*.

(2423)* – – (= *Pales pavida*, genitals compared, Kohlfurt VIII.1912) ex *Panolis griseovariegata* (= *Panolis flammea*).

(2424) pp. 352/132: *Phorocera assimilis* ex *Aporia crataegi*, RIEDEL. – The reference to RIEDEL is a lapse. The author is VASIL'EV 1902a, see no. 1521. He is correctly cited (as WASSILJEW) by BAER under *A. crataegi* on pp. 397/177.

(2425)* pp. 356/136: *Tachina larvarum* (misid. = *Exorista fasciata*, 1 ♂ without data, 1 ♀ Hamburg 1902) ex *Dendrolimus pini*.

(2426) pp. 360/140: *Tricholyga sorbillans* (prb. misid. = prb. *Exorista grandis*) ex *Saturnia pavonia*.

(2427) – – ex *Arctia hebe*, KRAMER.

(2428) pp. 363/143: *Gonia ornata* ex *Pachythelia villosella*. – Atypical host. The specimen could not be found in the collection in Tharandt.

(2429) pp. 365/145: *Plagia elata* (= *Hyleorus elatus*) ex *Porthesia* (= *Euproctis*) *similis*. [Material reared by BAER is already mentioned by KRAMER 1910: 31 = no. 1840.]

(2430)* pp. 371/151: *Actia pilipennis* (misid. = *Actia nudibasis*) ex *Evetria* (= *Petrova*) *resinella*, and (2431)* (= *A. nudibasis*) ex *Evetria* (= *Rhyacionia*) *buoliana*.

(2432) pp. 372/152: *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta padella*, and (2433) ex *H. cognatella*.

(2434) pp. 376/156: *Eriothrix rufomaculata* (prb. misid. = prb. *Thelaira haematodes*) ex *Arctia hebe*, TORKA. – *T. haematodes* is similar in colour, and a typical parasite of *A. hebe*.

(2435) pp. 380/160: *Microphthalma disjuncta* (= *Microphthalma europaea*) ex *Melolontha hippocastani*, Cholodkowsky. – The reference to that author is wrong, it is Myslovski 1900 (see no. 1483).

(2436) pp. 397/177: *Deuterammobia glabriventris* (= *Chaetogena acuminata*) ex *Smerinthus populi*. – Misquotation from Bezzi 1907: 503. On that page, *Smerinthus populi* is stated in the first footnote as host of *Brachycoma smerinthi*, *Parnassius apollo* in the second footnote as host of *D. glabriventris*. Baer has confounded the two notes. Both records are misidentifications, see nos. 966, 987.

(2437) pp. 407/187: *Morinia pullula* ex *Phaedon armoraciae*. – This is the record no. 541 (Wulp 1863), as quoted by Bezzi 1907: 501, but the host *Plagiodera armoraciae* Fabricius (= *P. versicolor*) is wrongly interpreted by Baer as *Phaedon armoraciae* Linnaeus. The tachinid was *Anthomyiopsis plagioderae*, not *pullula* (= *A. nigrisquamata*).

Bogdanov-Kat'kov 1921

(2438) p. 12: *Meigenia* sp. (= prb. *Meigenia mutabilis*) ex babanukha (*Phaedon cochleariae*), Petersburg distr. (Russia). Fig. 11: adult male.

Chobaut 1921

(2439) p. 117: *Rondania dimidiata* (prb. misid. = prb. *Rondania cucullata*) ex adult *Brachycerus undatus*, Sainte-Baume (Var, F). – The tachinid bred by Menozzi 1930: 19 from the same host species in Italy was prb. *R. cucullata*, see no. 3269. [Menozzi 1938 confirmed (in a footnote on p. 129) that all his previous records of *R. dimidiata* actually refer to *R. cucullata*.]

Dobrodeev 1921

(2440) p. 122: *Argyrophylax bimaculata* (= *Drino inconspicua*) ex *Nematus erichsoni* (= *Pristiphora erichsoni*), Penza distr., Russia. – The morphological data in the text indicate that the tachinid has been correctly identified by Porchinski, but a nematine host has never been confirmed. [*Drino inconspicua* (identified by Herting) is recorded in numbers from the above mentioned host by Frilli & Pizzhagi 1975.]

[Dobrovol'ski 1921, see Tschorsnig 2017]

Linnaniemi & Hukkinen 1921

(2441) p. 25: *Winthemia amoena*, det. Frey (= *Timavia amoena* or misid.) ex *Dasychira selenitica*, Finland.

Okamoto 1921

(2442) p. 6: *Exorista kurokonis* n. sp. (= prb. *Bessa parallela*) [= *Bactromyia aurulenta* according to Shima 2006: 7; after Okamoto's poor figure it is hardly possible to decide if it was *Bessa parallela* or *Bactromyia aurulenta*] ex *Hyponomeuta malinella* [= *Yponomeuta orientalis* Zagulajev according to Shima 2006: 7]. – The species is recognizable from the wing venation in the drawing on pl. 5, fig. 8. It has been wrongly synonymized with *Bactromyia aurulenta* in the catalogue of Yasumatsu & Watanabe 1964: 122.

(2443) p. 14: *Exorista tritaeniata* (misid. = prb. *Pseudoperichaeta nigrolineata*) ex *Pyrausta* (= *Ostrinia*) *nubilalis* [host = *Ostrinia furnacalis* following Shima 1999]. Pl. 5, fig. 9: adult.

Locality: Hokkaido, Japan.

Oudemans 1921

(2444) p. 334: *Panzeria rudis* (= *Ernestia rudis*) common parasite of *Panolis griseovariegata* (= *Panolis flammea*), Veluwe, NL.

Picard 1921

(2445) pp. 435–36 Undetermined tachinid (= ?*Phryxe vulgaris*) [seems guess] common parasite of hibernated larvae of *Aporia crataegi*, Hérault (F).

(2446) *Degeeria funebris* (prb. misid. = prb. *Medina luctuosa*) ex adult *Haltica ampelophaga*, Montpellier.

Rambousek 1921

(2447) *Microtachina erucarum* (misid. = *Exorista civilis*) ex zavíječ řepný (= *Loxostege sticticalis*), Urmín (= Mojmírovce, W Slovakia).

Rebel 1921

(2448) p. 331: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne, Hofoldinger Forst near Munich (Bavaria, D), 30 %.

Seitner 1921

Ex Kiefernspanner (= *Bupalus piniarius*), between the rivers Weichsel (= Wisla) and San (Rzeszów prov., SE Poland), pp. 203–204: (2449) *Lydella nigripes* (misid. = *Blondelia piniariae*), and (2450) *Parexorista rutilla* (= *Senometopia pollinosa*).

Thompson & Thompson 1921

(2451) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, SW France. Larval stages and adult (pp. 128–135, 20 figures), biology (p. 136).

Vuillet 1921

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, SW France, p. 441: (2452) *Paraphorocera senilis* (misid. = *Lydella thompsoni*), and (2453) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*).

Austen 1922

(2454) p. 182: *Billaea irrorata* ex *Saperda populnea*. Bagshot (Surrey), Munro. Kent, Mariott. Surrey, Laing. (S England).

Berland & Séguy 1922

(2455) p. 93: *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Glyphodes unionalis* (= *Palpita unionalis*), Caillan, Var (F).

Fisher 1922

(2456) p. 154: *Ptychomyia selecta* (= *Bessa selecta*) ex *Trichiocampus viminalis*, Kew Gardens (London).

Jong & Elze 1922

(2457) p. 28: *Bucentes geniculata* (= *Siphona geniculata*) ex *Tipula paludosa*, Netherlands, ca. 15 %. Parasitized host larvae were observed in March and July.

Knoche 1922

(2458) p. 3: Tachinids (= *Parasetigena silvestris*) parasites of Nonne (= *Lymantria monacha*), Zittau (Sachsen, D), up to 13 %.

Muesebeck 1922

(2459) *Zygobothria nidicola* (= *Townsendiellomyia nidicola*) parasite of *Euproctis chrysorrhoea*. Biology. Fig. 1: adult. Fig. 2: mouth-hooks of 1st, 2nd, 3rd instar. Fig. 3: pupation in the dead host larva. Fig. 4: hind stigma of puparium. [Material from Europe, 1905, Gipsy Moth Laboratory.]

Picard 1922[a]

(2460) p. 29: *Atropidomyia irrorata* (= *Billaea irrorata*) common parasite of *Saperda populnea*, Montpellier (F).

(2461) footnote: – – not reared from the Sesiidae *Sciapteron* (= *Paranthrene*) *tabaniformis* which produces similar galls on *Salix* twigs.

[Picard 1922b, see Tschorsnig 2017]

Poutiers 1922

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Menton (Côte d'Azur, F), p. 2: (2462) *Paraphorocera senilis* (misid. = *Lydella thompsoni*), and (2463) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*).

Silvestri 1922

(2464) p. 248: *Phytomyptera nitidiventris* (= prb. *Phytomyptera nigrina*) parasite of *Gypsonoma neglectana* (= *G. sociana*), Avellino (Campania, Italy), up to 34 %.

Sitowski 1922

Ex *Bupalus piniarius*, Sandomierz (Poland), pp. 16–17, 28–29: (2465) *Lydella nigripes* (= prb. *Blondelia piniariae*), and (2466) *Carcelia excisa* (misid. = *Senometopia pollinosa*).

Stock 1922

(2467) p. 12: Tachinids (= prb. *Phryxe erythrostoma*) common in pupae of *Hyloicus pinastri*, Jüterbog (Brandenburg, D). Adult flies emerged after hibernation, sometimes with two or even three years delay depending on the development of the host.

Thiem 1922

(2468)* pp. 400–401: *Pandelleia* sp. (= *Pandelleia otiorrhynchi*) parasite of adult *Otiorrhynchus sulcatus* in vineyards, Saar and Mosel (D). – The tachinid is described as the new species *P. otiorrhynchi* by Villeneuve 1922b: 338. According to Thiem, some specimens agreed in coloration with *P. sexpunctata*, and the latter is therefore listed as second parasite of *O. sulcatus* by Rühl 1924: 26, but I consider this as doubtful.

Thompson 1922

(2469) p. 87: *Paraphorocera senilis* var. *gratiosa* (misid. = *Lydella thompsoni*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, Landes and Menton (SW and S France), Naples (Italy). Figs. 6–9, 14: Mouth hooks of 1st instar.

Townsend 1922

pp. 11–12: The author assumes that 15 species of tachinids might possibly be useful in biological control of *Pectinophora gossypiella*. Only one of them, the Nearctic *Tortriciophaga* (= *Erynnia*) *tortricis*, has in fact been bred from it (but they are all quoted in the Thompson catalogue as parasites of this host). The following species are Palearctic (European):

(2470) *Anachaetopsis ocypterina* (= *Ligeria angusticornis*) (Emden 1954: 60, has relied on the Thompson catalogue and wrongly cited *Pectinophora gossypiella* as recorded host of this tachinid), (2471) *Phytomyptera nitidiventris* (= *Phytomyptera nigrina*), (2472) *Glaucophana amasiae* (= *Neaera atra*), (2473) *Actia pomonellae* (= *Neoplectops pomonellae*), (2474) *Gymnophthalma pilipennis* (= *Actia pilipennis*), and (2475) *Leskia aurea*.

Villeneuve 1922a

(2476) p. 293: *Lasiopales pachychaeta* n. sp. ex *Lambessa* (= *Lasiocampa*) *staudingeri*, Lambèze (Algeria), Powel.

(2477) *Gymnophryxe nudigena* n. sp. ex *Orgyia dubia*, Laghuat (Algeria), Powel.

Villeneuve 1922b see Thiem 1922

Willcocks 1922

All records from Egypt.

Ex *Prodenia litura* (= *Spodoptera littoralis*), p. 24: (2478) *Tachina larvarum* (= *Exorista larvarum*) (common parasite, in August up to 50 %), and (2479) *Gymnopareia aegyptia* (= *Peribaea orbata*).

Ex *Laphygma* (= *Spodoptera*) *exigua*, p. 27: (2480) *Tachina larvarum* (= *Exorista larvarum*).

Ex *Euxoa* (= *Agrotis*) *ypsilon*, p. 29: (2481) *Gonia capitata* (very common), and (2482) *Tachina larvarum* (= *Exorista larvarum*).

Ex other hosts:

(2483) p. 150: *Argyrophylax atropivora* (= *Drino atropivora*) ex *Acherontia atropos*.

(2484) p. 231: Eggs of a tachinid supposed to be *Eutachina larvarum* (= *Exorista larvarum*) deposited on larvae of *Epilachna chrysomelina* (Coccinellidae), but no parasite could be reared.

(2485) p. 250: *Argyrophylax bimaculata* (misid. = *Drino imberbis*, sensu Mesnil) ex *Nadiasa undata*. – Revised and determined as *Palexorista zonata* (= *Drino imberbis*) by Crosskey 1967: 95.

(2486)* Not mentioned: Tachinid (= *Drino maroccana*) ex *Taragama acaciae*. – Revised and determined as *Palexorista imberbis* (sensu Crosskey) by Crosskey 1967: 94 = *Drino latigena* Mesnil (det. Herting).

Wolff & Krausse 1922

In this book on forest Lepidoptera the parasites are compiled from the literature, the Tachinidae mainly from Brauer & Bergenstamm 1894 and Bezzi 1907. Synonymy has been disregarded so that one and the same species is often cited twice under different names.

(2487) p. 200: There is an important misquotation concerning the two *Lymantria* species: Of the 14 species recorded as parasites of *Ocneria* (= *Lymantria*) *dispar* by Brauer & Bergenstamm 1894: 600–601, only the first eight are correctly quoted by Wolff & Krausse under *L. dispar* on p. 179, whereas the remaining six have been misplaced under *Lymantria monacha* on p. 200. *Parasetigena* is in fact a common parasite of both hosts, but *Thelymorpha vertiginosa* (= *T. marmorata*), *Tachina* "*larvicola* Htg.", *T. moreti*, and *Parexorista* (= *Senometopia*) *susurrans* are at a wrong place in the parasite list of *L. monacha*. Their correct references are the nos. 759, 1303, 372, and 675.

(2488) p. 213: *Pales bellierella* R.D. (= prb. *Pales processioneae*, see no. 477) parasite of *Thaumetopoea pinivora* is a misquotation. Brauer & Bergenstamm 1894: 588, have cited this nominal species not only under its correct host *Cnethocampa* (= *Thaumetopoea*) *processionea*, but, by lapse, also under *Cnethocampa* sp. Wolff & Krausse have confounded this line with the next one, where *Cnethocampa pinivora* is printed in bold type, and therefore have wrongly associated *Pales bellierella* with the latter species.

Aldrich 1923

Ex *Popillia japonica* in Japan (northern Honshu):

(2489) *Ochromeigenia ormioides* n. sp. (= *Hamaxia incongrua*), Koiwai (Iwate-ken).

(2490) *Centeter cinerea* n. sp. (= *Istochaeta aldrichi*), Morioka.

Baer 1923

(2491) p. 246: *Zenillia libatrix* ex Nonne (= *Lymantria monacha*), Sächsische Schweiz (= Elbsandsteingebirge, Sachsen D).

Bogdanov-Kat'kov 1923

(2492) p. 34: *Meigenia bisignata* (= prb. *Meigenia mutabilis*) ex *Phaedon cochleariae*, St. Petersburg, Russia. – See also Bogdanov-Kat'kov 1921.

Bouclier-Maurin 1923

(2493) p. 541: *Sturmia vicina* (= *Drino vicina* or misid. = *D. galii*) ex *Deilephila* (= *Celerio*) *lineata*, Ain-Farès near Mascara (Algeria).

FAURE 1923

(2494) p. 251: *Arrhinomyia tragica* (= *Elodia morio*) ex *Cerostoma* (= *Ypsolopha*) *persicella*, Rhône valley (F).

ILCHEV 1923

(2495) pp. 23–24: *Echinomyia tessellata* (misid. = *Peleteria rubescens*) ex *Agrotis* (= *Euxoa*) *tritici*, near Plovdiv (Bulgaria). – Specimens from this rearing (5 ♂♂, 8 ♀♀) have been redetermined by HUBENOV 1980: 78.

KÉLER 1923

(2496) p. 42: *Tachina fera* (prb. misid. = prb. *Tachina magnicornis*) ex *Panolis griseovariegata* (= *P. flammea*). Grajewo near Siedlce (East Poland). 20–25 % of the host pupae contained tachinid larvae. – It is likely that the most common species was *Ernestia rudis*, which hibernates in the puparium. Only *Tachina magnicornis* was obtained, because it does not go into diapause and emerges in the same year.

KRASUCKI 1923

(2497) p. 146: *Tachina erucarum* (misid. = prb. *Exorista civilis*) ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*, East Galicia (now West Ukraine).

LEDERER 1923

In the Frankfurt zoological garden, Lepidoptera were reared from caterpillars. The localities of their origin are not cited. Parasites are listed by name only, most of them quoted from literature (BAER 1921, RUDOW etc.). – Species not recorded previously are assumed to be original records and are cited in the following abstract:

Ex *Herse convolvuli*, p. 18: (2498) *Sturmia scutellata* (= *Blepharipa pratensis*), questionable; (2499) *Winthemia xanthogastra* (= *W. rufiventris*, or misid. = *W. cruentata*).

Ex *Hyloicus pinastri*, p. 23: (2500) *Carcelia cheloniae* (= *Carcelia lucorum*), unlikely; (2501) *C. lucorum* B.B. (= *C. puberula*), almost certainly wrong; (2502) *Tachina larvarum* (= *Exorista larvarum*).

Ex *Mimas tiliae*, p. 27: (2503) *Winthemia xanthogastra* (= *W. rufiventris*, or misid. = *W. cruentata*).

Ex *Hemaris tityus*, p. 35: (2504) *Ernestia radicum* (= *Eurithia anthophila*), questionable.

Ex *Proserpinus proserpina*, p. 39: (2505) *Ernestia radicum* (= *Eurithia anthophila*), questionable; (2506) *Masicera silvatica* (prb. misid. = prb. *M. sphingivora*).

Ex *Pergesa* (= *Deilephila*) *porcellus*, p. 52: (2507) *Ernestia radicum* (= *Eurithia anthophila*), questionable; (2508) *Winthemia quadripustulata* (or misid. = *W. cruentata*).

Ex *Phragmatobia fuliginosa*, p. 106: (2509) *Phryxe vulgaris* (prb. misid. = prb. *Huebneria affinis*).

Ex *Diacrisia sannio*, p. 121: (2510) *Phryxe vulgaris* (prb. misid. = prb. *Huebneria affinis*).

Ex *Hyphoraia aulica*, p. 123: (2511) *Carcelia excisa* (prb. misid. = prb. *Carcelia lucorum*).

Ex *Pericallia matronula*, p. 128: (2512) *Carcelia* sp.; (2513) *Tachina larvarum* (= *Exorista larvarum*).

Ex *Arctia caja*, p. 136: (2514) *Phryxe vulgaris* (prb. misid. = prb. *Huebneria affinis*).

Ex *Arctia flavia*, Alps (Albula, Stelvio) p. 136: (2515) *Histochaeta* sp. (= *Thelymorpha marmorata*). – The genus is monospecific.

Ex *Arctia villica*, p. 136: (2516) *Phorocera assimilis*, questionable; (2517) *Phryxe vulgaris* (prb. misid. = prb. *Huebneria affinis*); (2518) *Thelaira nigripes* (= *Thelaira* sp.).

Ex *Dasychira pudibunda*, p. 145: (2519) *Carcelia lucorum* (prb. misid. = prb. *Carcelia gnava*); (2520) *Sisyropa angusta* (= *Carcelia rasa*).

Ex *Dasychira selenitica*, p. 145: (2521) *Tachina larvarum* (= *Exorista larvarum*, or misid. = *E. fasciata*).

Ex *Orgyia antiqua*, p. 150: (2522) *Carcelia lucorum* B.B. (prb. misid. = prb. *Carcelia rasa* or *C. atricosta*); (2523) *Tachina vidua* (= *Exorista larvarum*).

Ex *Stilpnotia* (= *Leucoma*) *salicis*, p. 155: (2524) *Lydella stabulans* (prb. misid., identity unknown); (2525) *Plagia elata* (= *Hyleorus elatus*). – Unlikely. A misreading is possible, because BAER 1921: 399 (reprint p. 179), has listed *P. elata* at the end of the last line of *Porthesia similis*, immediately above the first line of *Stilpnotia salicis*.

Ex *Lymantria dispar*, p. 161: (2526) *Exorista westermanni* (= *Eumea linearicornis*), host wrong or exceptional.

Ex *Lymantria monacha*, p. 163: (2527) *Carcelia recusata* (prb. misid., identity unknown, or misquoted from BAER's list of parasites of *L. dispar*); (2528) *Exorista* (= *Phebellia*) *glauca*, in parentheses: *fugax* Rond. – This synonymy quoted by BAER 1921: 156 (reprint p. 112), from VILLENEUVE 1907: 262, refers to *Exorista fugax* Rond., not to *Prosopea fugax* Rond. (= *Bessa parallela*) which is cited in BAER 1921: 399 (reprint p. 179), as one of the parasites of *L. monacha* (original see KRAMER 1910, no. 1828). *P. fugax* is absent in LEDERER's list, because it is wrongly synonymized. *E. glauca* must therefore be deleted; (2529) *Lydella stabulans* (prb. misid., identity unknown); (2530) *Sturmia sericariae*. – A Japanese tachinid, probably misquoted by LEDERER from BAER's list of parasites of *L. dispar*.

Ex *Porthesia* (= *Euproctis*) *similis*, pp. 168–169: (2531) *Ceromasia ferruginea* (= *Erycilla ferruginea*, prb. misid. or host wrong); (2532) *Exorista westermanni* (= *Eumea linearicornis*), host wrong or exceptional; (2533) *Pales pavida*.

Ex *Euproctis chrysorrhoea*, p. 172: (2534) *Ceromasia ferruginea* (prb. misid. = prb. *Townsendiellomyia nidicola* ♀); (2535) *Exorista westermanni* (= *Eumea linearicornis*), host wrong or exceptional; (2536) *Sturmia* sp. (prb. misid. = prb. *Townsendiellomyia nidicola* ♂).

MOKRÝ in RŮŽIČKA 1923

Parasites of mniška (= *Lymantria monacha*), Lnáře (CZ), no details, p. 129: (2537) *Parasetigena segregata* (= *Parasetigena silvestris*); (2538) *Argyrophylax bimaculata* (= *Drino inconspicua*); (2539) *Tachina larvarum* (= *Exorista larvarum*); (2540) *Echinomyia fera* (= *Tachina fera* or misid. = *T. magnicornis*). – Cited also by RŮŽIČKA 1924: 62 (Schlüsselburg = Lnáře).

PRELL 1923

(2541) p. 434: *Ceromasia inclusa* (= *Blondelia inclusa*) ex *Lophyrus* (= *Diprion*) *frutetorum*, Ottendorf-Okrilla (near Dresden, D), biology.

SILVESTRI 1923

Ex *Tortrix viridana*, Italy, pp. 86–90: (2542) *Actia pilipennis*, Portici, most numerous, biology; (2543) *Nemorilla maculosa* (or misid. = *Nemorilla floralis*), Bolognola (prov. Macerata), biology; (2544) *Phytomyptera nitidiventris* (= prb. *Phytomyptera nigrina*), Portici, biology; (2545) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*), Portici; (2546) *Discochaeta evonymellae* (misid. = *Eurysthaea scutellaris*), 2 specimens, S. Eufemia di Aspromonte (Calabria); (2547) *Compsilura concinnata*, 1 specimen, Portici; (2548) *Neopales pavida* (= *Pales pavida*), 1 small specimen, Portici.

Ex *Tortrix viridana*, Beira in Portugal, leg. MIRA GALVAO, p. 60: The rearings are stated to be impure, i. e. other host species may have been included.

(2549) *Aphria longirostris*. – The host of this species was prb. not *T. viridana*. *Aphria* spp. have been reared in Europe and North America from *Nephopteryx* spp. (Pyralidae).

(2550) *Minella infans* (prb. misid. = prb. *Elodia morio*). – *M.* (*Ptilops*) *infans* Rond. is a synonym of *Dufouria nigrita*, parasite of *Cassida*. The name is not found in a key except the original one of Rondani 1862: 166–167. The characters of *infans* given in that key fit with *E. morio*.

(2551) *Phryxe vulgaris*. – If the identification was correct, the specimen prb. had parasitized another host (Macrolepidoptera).

Sitowski 1923

(2552) pp. 4–5: *Ernestia rudis* parasite of *Panolis flammea* in Poland (prov. Poznań), 10–20 %, locally up to 50 %

Summers 1923

(2553) p. 292: *Chaetexorista javana* (misid. = *Chaetexorista* sp. undescribed, pers. comm. by H. Shima) [= *Chaetexorista pavlovskyi* (Stackelberg, 1943) according to Richter 2004] important parasite of *Cnidocampa flavescens* in Japan.

Thompson 1923a

(2554) p. 185: Oviposition of *Carcelia laxifrons* on *Euproctis chrysorrhoea*.

(2555) p. 190: *Fortisia foeda* (= *Loewia foeda*) in *Lithobius*, competition of parasite larvae inside the host.

(2556) p. 192: *Sturmia scutellata* (= *Blepharipa pratensis*) in *Liparis* (= *Lymantria*) *dispar*, competition in the host.

(2557) p. 204: *Blepharidopsis nemea* (= *Phryxe nemea*) parasite of *Abraxas grossulariata*.

Thompson & Thompson 1923

(2558) *Masicera senilis* var. (= *Lydella thompsoni*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, SW France and Côte d'Azur (F), Naples (I). In the text, the generic names *Ceromasia* and *Paraphorocera* are also used for this species. Figs. 1–2: adult ♂, head and hypopygium. 3–7: first instar. 8–11: second instar. 12–18: third instar. 19–20: pupal respiratory apparatus.

Tonge 1923

(2559) p. 185: *Echinomyia grossa* (= *Tachina grossa*) ex *Macrothylacia rubi* (GB).

Vimmer 1923

The cited host records were published by the author already previously (1906, 1907, 1909, 1911, 1913) except the following two:

(2560) p. 56: *Ceromasia florum* (= *Ceromasia rubrifrons*, or misid.) ex *Ocneria* (= *Lymantria*) *monacha*. – According to Vimmer 1928, emerged from forest litter at Hořovice. Many tipulid larvae were also found, and if these were the real host, the tachinid was prb. *Erycilla ferruginea*.

(2561) p. 57: *Phorocera cilipeda* (= *Pales pavida*) ex *Acronicta aceris*.

Localities in Czechoslovakia.

Altson 1924

Parasites of *Forficula auricularia*, life-history, observations in the Rothamstead laboratory (GB): (2562) *Digonochaeta setipennis* (= *Triarthria setipennis*), and (2563) *Rhacodineura antiqua* (= *Ocytata pallipes*).

Bei-Bienko 1924

Ex *Lymantria dispar*, Altai Mountains, Siberia, p. 160:

(2564) Many larvae and pupae (70–90 %) were parasitized by Diptera, but the rearing to adult flies failed. *Echinomyia fera* (= *Tachina fera*) and possibly also *E. magnicornis* (= *T. magnicornis*) adults were observed flying near the host pupae and larvae on the trees. – In the abstract in Review of applied Entomology 13: 69, these two tachinid species are wrongly cited as having been reared from *L. dispar*.

Buysson 1924

(2565) p. 144: *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta cognatella* on apple (prb. misid. = prb. *H. malinella*), Moulins (F).

Cecconi 1924

A textbook on forest entomology. Besides information compiled from the literature (without references), it contains the following rearing records by the author in Italy:

(2566) pp. 491–492: *Carcelia excisa* (misid. = *Carcelia iliaca*) ex Processionaria della quercia (= *Thaumetopoea processionea*), several specimens, Cascine di Firenze (Florence). Fig. 615: puparium within the empty skin of the host in the cocoon of the latter. The fly emerges after hibernation in the first half of May.

(2567) p. 494: *Phryxe vulgaris* ex *Vanessa* (= *Nymphalis*) *antiopa*, Romagna.

(2568) – – (misid., or host wrong?) ex (*Lymantria*) *dispar*, Toscana.

(2569) – – (prb. misid., identity unknown) ex cases of Psychidae, fig. 619. Southern Italy.

(2570) pp. 495, 39: *Lydella lepida* (misid. = prb. *Phryxe caudata*), several rearings from nests of the Processionaria del pino (= *Thaumetopoea pityocampa*), Toscana. Fig. 35: adult fly on the nest between host caterpillars.

(2571) pp. 499, 492: *Pales pumicata* (misid. = prb. *Pales processioneae*) ex Processionaria della quercia (= *Thaumetopoea processionea*), several specimens, Cascine di Firenze (Florence).

(2572) p. 500: *Tachina larvarum* (= *Exorista larvarum*) ex *Lymantria dispar*, (2573) Farfalla bianca del pioppo e del salice (= *Leucoma salicis*), (2574) *Vanessa* (= *Nymphalis*) *antiopa*, and (2575) (*Malacosoma*) *neustria*.

(2576) p. 39: *Tricholyga grandis* (misid. = *Exorista segregata*) ex *Thaumetopoea pityocampa*, frequently; (2577) p. 501: ex Processionaria della quercia (= *Thaumetopoea processionea*), several specimens, Florence; (2578) ex *Lymantria dispar*, southern Italy.

(2579) The information on *Viviania* (= *Zaira*) *cinerea*, p. 490, host: Crisomela dell'ontano (= *Agelastica alni*) and *Lypha dubia*, p. 492, host: Crisomela del pioppo (= *Melasoma populi*) is a translation of the text of Goureau 1867 (without reference to it). The tachinid was in both cases a *Meigenia* sp., see nos. 556, 557.

Cheetham 1924

(2580) p. 85: *Pales pavida* ex *O.* (= *Orgyia*) *antiqua*, Nidd (GB).

Chevalier 1924(a+b)

(2581) pp. 16–19: *Bigonochaeta* [*Bignochoeta*] *setipennis* (= *Triarthria setipennis*) parasite of *Forficula auricularia*, biology.

(2582) p. 17: *Degeeria tragica* (= *Elodia morio*) ex *Carpocapsa* (= *Cydia*) *pomonana* (= *pomonella*).

(2583) p. 79: *Myobia pumila*, det. Giard (misid. = *Meigenia simplex*, or *M. mutabilis*), often reared from *Crioceris asparagi* larvae. – In the abstract in the Review of applied Entomology 13: 399, the tachinid is wrongly cited as parasite of the sphecid *Cerceris quinquefasciata*, which preys on adult *Crioceris asparagi*.

Locality: Chatou (St. Germain) near Paris (F).

Chorbadzhiev 1924

Rearings in Bulgaria. Tachinids det. Webber (Washington). The same records are cited with short annotations by Chorbadzhiev 1925.

Ex *Euproctis chrysorrhoea*, p. 86 (87): (2584) *Pales pavida*; (2585) *Zenillia libatrix*; (2586) *Carcelia laxifrons*.

Ex *Malacosoma neustria*: (2587) *Sturmia nidicola* (= *Townsendiellomyia nidicola*), unlikely, see no. 2670.

Clausen & King 1924

Ex *Popillia japonica* in Japan, the first three species parasitic on adult beetles:

(2588) pp. 77–78: *Centeter cinerea* (= *Istochaeta aldrichi*), Hokkaido and northern Honshu, common, up to 90 % of the female hosts parasitized.

(2589) *Ochromeigenia ormioides* (= *Hamaxia incongrua*), warmer parts of Japan, at Yokohama up to 35 %.

(2590) *Eutrixa* sp. (= *Eutrixopsis javana*, see Aldrich 1925: 36), uncommon.

(2591) *Prosena siberita*, parasite of the larvae, about 10 %.

Ex *Popillia* spp. larvae in Korea: (2592) p. 78: *Prosena siberita*; (2593) p. 79: *Dexia* sp. (= *Dexia ventralis*, see Aldrich 1925: 33).

Crossman & Webber 1924

Ex *Porthetria* (= *Lymantria*) *dispar*, Debrecen, Hungary, p. 73: (2594) *Parasetigena segregata* (= *Parasetigena silvestris*), 40 %; (2595) *Blepharipa scutellata* (= *Blepharipa pratensis*), 24 %; (2596) *Tachina larvarum* (= *Exorista larvarum*), 3 %; (2597) *Sturmia gilva* (misid. = *Drino inconspicua*, Burgess & Crossman 1929: 113), 3 %; (2598) *Lydella nigripes* (= *Blondelia nigripes*), rare; (2599) *Carcelia gnava* (misid. = *Senometopia separata*, corrected by Sellers 1943: 57), rare; (2600) *Zenillia libatrix*, rare; (2601) *Compsilura concinnata*, rare.

Dingler 1924

(2602) p. 218: *Admontia blanda* [misid. = *A. grandicornis* (a single specimen in coll. Engel in SMNS, labelled "a. *Tipula*-L., Dr. Dingler")] ex *Tipula nubeculosa* and/or *T. lateralis*, Amberg (Oberpfalz, Bavaria, D).

Feytaud 1924

No original records of Tachinidae. *Phytomyptera nitidiventris* (= prb. *P. nigrina*) ex *Eudemis* (= *Lobesia*) *botrana* is cited from Silvestri 1912 and Marchal 1912.

(2603) The abstract in Review of applied Entomology 12: 375, does not separate the two hosts *Lobesia botrana* and *Eupoecilia ambiguella* in the parasite records, and *P. nitidiventris* is therefore cited in the Thompson catalogue wrongly as parasite of *Clysia* (= *Eupoecilia*) *ambiguella*.

Heckel 1924

(2604) p. 59: *Nemoraea xanthogastra* (misid. = *Winthemia cruentata*) ex *Sphinx ligustri*, Stralsund (Vorpommern, D), also Schirmer, Buckow (Brandenburg, D).

Leonardi 1924

A compilation from the literature [references to the Leonardi catalogue (1923–1928) see Leonardi 1922]. Most of the information on Tachinidae is taken from Bezzi 1907, but also from Rondani 1872–1878. Some old mistakes which were already eliminated by Bezzi have thus been dug out again.

(2605) p. 6: *Ceromasia senilis* (sensu auct. = *Lydella grisescens*) parasite of *Pyrameis* (= *Vanessa*) *cardui*. – This is the old misidentification of *Sturmia bella* as *Tachina doris* by Rossi 1848 (no. 279). *T. doris* Meigen has been wrongly synonymized with *Ceromasia senilis* by Bezzi 1907: 287. The true *T. doris* is *Lydella stabulans*. Leonardi found the record of *T. doris* ex *V. cardui* in Rondani 1873: 26, and cited it in the wrong nomenclature of Bezzi.

(2606) p. 14: *Tachina* "*rusiarus* Hrig" doubtful parasite of *Smerinthus ocellatus*. – Obviously a misspelling of *Tachina rufi-crus* Hartig. See Rondani 1873, no. 648.

(2607) p. 27: *Winthemia venusta* ex *Thaumetopoea processionea*. – Prb. a correct record the origin of which I have not found. I have seen 1 ♂ of this species bred by Giraud from the same host in coll. Mesnil.

(2608) p. 28: *Compsilura concinnata* ex *Orgyia gonostigma* (= *O. recens*). – I have not found the origin of this record.

(2609) p. 32: *Exorista aurifrons* parasite of *Stilpnotia* (= *Leucoma*) *salicis*. – A confusion of species names by Rondani 1873, no. 646.

(2610) p. 35: *Epicampocera crassiseta* (= *Carcelia iliaca*) ex *Malacosoma neustria*. – Very unlikely. Origin? A misquotation is not excluded.

(2611) p. 39: *Phorocera assimilis* ex *Lasiocampa trifolii*. – This is the record of Rondani 1877: 60 (*P. gramma*). Leonardi has relied on the wrong synonymy stated by Bezzi 1907: 316, and changed the name *P. gramma* to *P. assimilis*.

(2612) p. 43: *Masicera silvatica* ex *Endromis versicolora*. – A confusion of species names by Rondani 1872a, c, no. 618. The name has been changed by Leonardi from *M. bombycivora* to *M. silvatica* according to the (prb. wrong) synonymy stated by Bezzi 1907: 281.

(2613) p. 44: *Epicampocera succincta* ex *Saturnia pyri*. – A misquotation, *S. pavonia* and *S. pyri* confounded? See no. 303.

(2614) p. 55: *Eudoromyia* (= *Tachina*) *magnicornis* ex *Agrotis* (= *Amathes*) *c-nigrum*. – Origin? The species is recorded from *Agrotis* sp. by Brauer & Bergenstamm 1894: 577.

(2615) pp. 75, 83: *Wagneria nitida* (= *Ramonda prunaria*) and *Tachina* (= *Exorista*) *rustica* parasites of *Caradrina alsines* and *Orthosia circellaris*. – *T. rustica* is a mistake in synonymy. The parasite recorded from these two hosts (nos. 500, 501) is *Ateria nitida* Rob.-Desv., placed by Bezzi 1907: 375 in the genus *Wagneria*. It has been cited by Rondani 1872a: 145 (host *C. alsines*), and 1873: 27 (host *Xanthia ferruginea* = *O. circellaris*), as *Tachina nitida* R.D. In the catalogue of Bezzi 1907 (which Leonardi used for nomenclatory problems) there is a *Tachina nitida* R.D. listed as synonym of *T. rustica* on p. 345. This *T. nitida* is, however, a very different species, originally described as *Futilia nitida* and not bred from a host.

Matthey 1924

The author dissected parasitized host larvae. His observations differ very much from the biology of *Tachina* (= *Exorista*) *larvarum*, but agree in most details with the biology of *Drino lota* in *Deilephila elpenor*, as studied by Müller 1956. The drawing of the hind stigmata of the 3rd instar (fig. 3) and the host *Proserpinus*, however, suggest the closely related species *D. vicina*. Locality: France (not specified).

(2616) pp. 202–205: *Tachina larvarum* (misid. = prb. *Drino lota*) parasite of *Chaerocampa* (= *Deilephila*) *elpenor*, 3 cases.

(2617) – – (misid. = prb. *Drino vicina*) parasite of *Pterogon* (= *Proserpinus*) *proserpina*, 14 cases. Fig. 1: larvae attached to the tracheal trunks (atria) of the host. Fig. 2: small larva moving inside the trachea. Fig. 3: hind stigmata of 3rd instar. Fig. 4: larva with its funnel.

(2618) p. 206: Tachinid eggs (= prb. eggs of the true *Exorista larvarum* or *E. fasciata*) on the skin of *Macrothylacia rubi* larvae.

Miles 1924

(2619) p. 66: *Meigenia floralis* (= prb. *Meigenia mutabilis*) ex *Phaedon cochleariae*, (2620) *Compsilura concinnata* ex *Cucullia verbasci*, (2621) p. 68: *Ptychomyia selecta* (= *Bessa selecta*)

ex *Pteronus* (= *Nematus*) *ribesii*, and (2622) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Tortrix* sp. on apple. – Locality: Kirton, Lincolnshire (GB).

[Nishikawa 1924, see Shima 2006]

Prell 1924

Ex *Lophyrus* (= *Diprion*) *frutetorum*, different methods of the parasite to escape from the cocoon of the host:

(2623) p. 245, fig. 1: *Sturmia bimaculata* (= *Drino inconspicua*). – The incorrect placement of the species in the genus *Sturmia* has led the author to the wrong assumption that the female should be micro-oviparous and leaf-ovipositing.

(2624) p. 249, fig. 3: *Diplostichus janitrix*.

(2625) pp. 250–251, fig. 4: *Lophyromyia inclusa* (= *Blondelia inclusa*).

Rethfeldt 1924

Ex *Chrysomela* (= *Chrysolina*) *varians*, N Germany, p. 263: (2626) *Macquartia chalconota* (prb. misid. = prb. *Macquartia tenebricosa*); (2627) *Meigenia* sp.

Rühl 1924

A list compiled from the literature without references.

Růžička 1924

(2628) pp. 58–64: *Parasetigena segregata* (= *Parasetigena silvestris*) important parasite of the nun moth (*Lymantria monacha*), percentages of parasitization in outbreaks of the host in Bohemia 1889–1922.

Schirber 1924

(2629) p. 157: *Discochaeta evonymellae*, det. Villeneuve (= *Eurysthaea scutellaris*) common parasite of *Abraxas pantaria*, Gironde (F).

Sitowski 1924

Tachinids obtained from soil samples in an outbreak area of *Panolis flammea* in N Poland (Pomorze): (2630) *Ernestia rudis*, most common species; (2631) *Winthemia amoena* (= *Timavia amoena*), numerous; (2632) *Gonia fasciata* (= *Gonia picea*), 3 specimens.

Stein 1924

(2633[= 1812]) p. 58: *Xylotachina diluta* ex *Cossus cossus*, Kramer.

(2634) p. 59: *Winthemia ligustri* (= *Winthemia cruentata*) ex *Sphinx ligustri*, Riedel (= prb. Riedel 1908: 134, leg. Junkel).

(2635) pp. 64–65: *Carcelia lucorum*, form *excavata* (= *Carcelia gnava*) ex *Gastropacha* (= *Malacosoma*) *neustria*, Genthin (Sachsen-Anhalt), numerous, Stein.

(2636) p. 77: *Exorista ingens* (misid. = *Nilea hortulana*) ex *Acronicta tridens*, Denmark, Lundbeck. – Determination corrected by Lundbeck 1927: 316. The true *E. ingens* is *Phebellia villica*.

(2637)* p. 86: *Megalochaeta conspersa* (= *Smidtia conspersa*) ex *Larentia* (= *Oporinia*) *dilutata*, Crimmitschau (Sachsen), Riedel. – 3 ♀♀ bred from this host, 8.–12.IV.05, by Junkel, in coll. Riedel.

(2638)* p. 90: *Pseudoperichaeta major* (= *Pseudoperichaeta nigrolineata*) ex *Eurrhypara urticata* (= *E. hortulata*), Crimmitschau, Riedel. – 1 ♀ bred from this host, 3.V.07, by Junkel, in coll. Riedel.

(2639)* – – ex *Sarrothripus undulana* (= *S. revayana*), Crimmitschau, Riedel. – 1 ♀ bred from this host, 25.VII.07, by Junkel, in coll. Riedel.

(2640) *Phryxe erythrostoma* ex *Sphinx* (= *Hyloicus*) *pinastri*, Treptow (= Trzebiatów, NW Poland), Stein.

(2641) p. 92: *Ceratochaeta setifacies* (= *Phryxe setifacies*) ex *Zygaena fausta*, Montereau (F) [= no. 2248].

(2642)* p. 100: *Bactromyia aurulenta* ex *Mamestra pisi*, Riedel. – See Riedel 1930: 264.

(2643)* p. 101: *Prosopaea scutellaris* (misid. = *Lespesia anisotae*) ex *Mamestra pisi*, Crimmitschau, in coll. Riedel. – The specimen (1 ♂, genitals extended) was bred on 16.VI.07 by Junkel in Crimmitschau. This North American species has been found occasionally also in Europe.

(2644) p. 102: *Ptychomyia selecta* (misid. = *Bessa paralella*) ex *Hyponomeuta evomymella*; (2645) ex *H. padella*, numerous, Stein.

(2646) p. 105: *Goedartia fuscinervis* (= *Campylochaeta fuscinervis*) ex *Thyatira batis*, Lichtwardt.

(2647) p. 107: *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) *pini*, Enslin.

(2648)* – – ex *Acronicta rumicis*, Crimmitschau, in coll. Riedel. – The tachinid is correctly determined, but a noctuid is a very unlikely host for this highly adapted *Diprion*-parasite.

(2649) p. 108: *Compsilura concinnata* ex *Cucullia argentea*, Genthin (Sachsen-Anhalt), Stein.

(2650) p. 111: *Salia obliquata* (= *Chaetogena obliquata*) ex *Bombyx* (= *Lasiocampa*) *trifolii*, Lichtwardt.

(2651) p. 115: *Tricholyga sorbillans* (misid. = *Exorista grandis*) ex *Saturnia carpini* (= *S. pavonia*), Stein.

(2652)* p. 118: *Uclesia fumipennis* (misid. = *Uclesia simyrae*) ex *Simyra dentinosa*, Konya (Turkey), coll. Engel. – The specimens were bred by Korb, they include the type of the new species which was described by Herting 1966: 7.

(2653) p. 131: *Actia anomala* var. (= *Ceranthia lichtwardtiana*) ex *Lobophora* (= *Acasis*) *viretata*, in numbers, Lichtwardt.

(2654)* p. 136: *Actia nudibasis* ex *Retinia* (= *Petrova*) *resinella*, Crimmitschau, in coll. Riedel. – Bred by Junkel, see Riedel 1908: 137.

(2655)* p. 144: *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, Riedel. – There are five specimens bred from this host by Reichert, Leipzig, 28.V.18, in coll. Riedel.

(2656) p. 147: *Trichoparia decorata* (= *Admontia seria*) ex *Tipula irrorata*, Dessau, Heidenreich [1 ♂ seen by HPT in ZMHB (coll. Riedel)].

(2657) p. 165: *Rhinotachina modesta* (= *Bithia modesta* or *B. proletaria*) ex Sesiidae indet., San Remo (Italy). – Determined by Brauer as *Rhinotachina proletaria* (see no. 1280), which is considered by Stein (prb. wrongly) as identical with *R. modesta*.

(2658) p. 166: *Leskia aurea* ex *Sesia asiliformis* (= *Synanthedon vespiformis*), Jenbach, Bavaria, Riedel.

(2659) p. 231: *Billaea irrorata* ex *Saperda populnea*, Kramer, Engel, Riedel.

Stellwaag 1924

(2660) pp. 302, 307: *Phryxe vulgaris* ex *Aporia crataegi*, Pfalz (D).

Vukasović 1924

Ex *Oenophthira* (= *Sparganothis*) *pilleriana*, Haute-Garonne (F): (2661) *Erynnia nitida* (= *Erynnia ocypterata*) (wrongly cited as *Erynniopsis rondanii* = *E. antennata* in the Thompson catalogue); (2662) *Phryxe roseanae* (= *Pseudoperichaeta nigrolineata*); (2663) *Nemorilla floralis* (= *Nemorilla* sp.); (2664) *Pales pavida*; (2665) *Discochaeta evonymellae* (= *Eurysthaea scutellaris*). – Published also in Vukasović 1925: 112.

Aldrich 1925

(2666) p. 34: *Dexia ventralis* n. sp. parasite of scarabaeid grubs at Suigen (= Suwon), Korea, Clausen.

(2667) p. 36: *Eutrixopsis javana* ex *Popillia japonica*, Japan.

CHORBADZHIEV 1925

Localities in Bulgaria. Tachinidae det. R. T. WEBBER (except the first record).

(2668) pp. 85–86: *Echinomyia tessellata* (prb. misid. = prb. *Peleteria rubescens*) ex *Agrotis* (= *Euxoa*) *tritici*, Leskovets. – WEBBER would not have used this name. The true *tessellata* Fabricius (preoccupied name) is *Tachina magnicornis*, but the name has been used by the majority of authors for *P. rubescens*, see also ILCHEV 1923.

(2669) *Sturmia gilva* (misid. = *Drino inconspicua*) ex *Lymantria dispar*, numerous, Vetren, prov. Kazanlik. – Cited as *S. bimaculata* (= *D. inconspicua*) by CHORBADZHIEV 1928a: 24, 1928b: 128, 1928c: 19.

(2670) *S. nidicola* (= *Townsendiellomyia nidicola*) ex *Malacosoma neustria*, Sofia. – Cited already 1924. Practically impossible, because there is no seasonal coincidence between the host larvae and the adult parasites.

(2671) *Carcelia gnava* ex *Malacosoma neustria*.

(2672) – – (prb. misid. = prb. *Senometopia separata*) [*C. gnava* is also known as parasitoid of *L. dispar*, but *S. separata* is indeed more likely in this case because only the latter is mentioned by CHORBADZHIEV 1933] ex *Lymantria dispar*.

(2673) *Carcelia laxifrons* ex *Euproctis chrysorrhoea*. – Cited already 1924.

(2674) *Zenillia libatrix* ex *E. chrysorrhoea*. – Cited already 1924.

(2675) *Phorocera* sp. (= prb. *Diplostichus janitrix*) ex *Lophyrus* (= *Diprion*) *pini*, Kystendil.

(2676) *Pales pavida* ex *Euproctis chrysorrhoea*, Sofia. – Cited already 1924.

(2677) *Tachina larvarum* (= *Exorista larvarum*) ex *Stilpnotia* (= *Leucoma*) *salicis*, Jambol.

(2678) *Tricholyga* ?*grandis* (misid. = *Exorista segregata*) ex *Lymantria dispar*, Vetren. – Cited as *Tricholyga segregata* by CHORBADZHIEV 1933: 65.

(2679) *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*, numerous, Jambol and Sliven. – Mentioned also by CHORBADZHIEV 1926a: 122, and 1926b: 42.

(2680) – – ex *H. padella*.

CLEU 1925

(2681) p. 127: *Argyrophylax inconspicua* (= *Drino inconspicua*) ex *Graellsia galliaegloria* (= *G. isabellae*).

(2682) *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*) ex *Celerio vespertilio*.

Locality: L'Argentière-La-Bessée (Hautes-Alpes, F).

COLLIN 1925

(2683) p. LXIX: *Exorista confinis* (= *Aplomyia confinis*) ex *Cyaniris* (= *Celastrina*) *argiolus* (20 % parasitization, ADKIN, Eastbourne/GB, published also by ADKIN 1926: 142), and (2684) *Thecla w-album* (one specimen, COCKAYNE).

EIDMANN 1925a

(2685) p. 105: *Gymnopareia pilipennis* (prb. misid. = prb. *Actia nudibasis*) ex *Dioryctria splendidella*, common, Ingolstadt (Bavaria, D). – Cited also by EIDMANN 1925b: 7.

ESCHERICH 1925

(2686) p. 58: *Panzeria rudis* (= *Ernestia rudis*) parasite of *Panolis piniperda* (= *P. flammea*), E Germany, 46 %.

FEDOROV 1925

(2687) p. 223: *Microphthalma disjuncta* (misid. = *Microphthalma europaea*) ex *Polyphylla fullo*, Dneprovsk distr. (Ukraine).

GASOW 1925(a+b)

Ex *Tortrix viridana*, Westfalen (D), p. 467 in a, p. 122 in b: (2688) *Actia exoleta*, det. SCHMIEDEKNECHT (misid. = prb. *Actia pilipennis*), emerged from a puparium found besides the remnants of a host larva.

KRASUCKI 1925

(2689) p. 6: *Phryxe vulgaris* ex *Plusia gamma*, Chodorow (W Ukraine).

KUWAYAMA et al. 1925

Ex *Mamestra brassicae* in Hokkaido, p. 20: (2690) *Gonia fuscipes* (= *Gonia chinensis*); (2691) *Echinomyia mikado* (= *Tachina nupta*); (2692) White planoconvex eggs deposited on the host (but this must have been a tachinid different from the two species mentioned, ?*Exorista* sp.).

LÉCAILLON 1925

(2693) pp. 283–286, 291: *Meigenia floralis* (= *Meigenia* sp.) common parasite of *Colaspidema atrum*, Toulouse. Figs. 12–13: host larvae bearing *Meigenia* eggs. Figs. 15–16: puparium in the broken host skin. Fig. 17: adult fly.

(2694) pp. 284, 291: – – ex *Crioceris asparagi*, common.

(2695) p. 286: *Minella nitens* (= *Anthomyiopsis* sp., but prb. misid, identity unknown) ex *Colaspidema atrum*, Gironde, FEYTAUD.

LEDERER 1925 see RUDOW 1911b

[MASTAUSKIS 1925, see TSCHORSNIG 2017]

NUNBERG 1925

Parasites of *Lymantria dispar* collected near Bochnia (Poland) for introduction into the USA, pp. 129–130: (2696) *Parasetigena segregata* (= *Parasetigena silvestris*); (2697) *Sturmia scutellata* (= *Blepharipa pratensis*); (2698) *Sturmia bimaculata* (= *Drino inconspicua*); (2699) *Compsilura concinnata*; (2700) *Carcelia gnava* (prb. misid. = prb. *Senometopia separata*).

Ex other host species: (2701) p. 130: *Sturmia bimaculata* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, CZARNECKI [see also no. 3184].

PILYUGINA 1925

Ex *Salebria* (= *Oncocera*) *marmorata*, Saratov prov. (SE Russia), p. 13: (2702) *Prosopaea fugax* (= *Bessa parallela*); (2703) *Lydella nigripes* (= *Blondelia nigripes*); (2704) *Zenillia libatrix* (or misid. = *Z. dolosa*), most common parasite; (2705) *Tachina* sp. (identity unknown). – The abstract in Review of applied Entomology 14: 29, has been misunderstood in the THOMPSON catalogue, where *Etiella zinckenella* is wrongly listed as second host species of *Z. libatrix*.

REGNIER 1925

(2706) p. 67: *Compsilura concinnata* ex *Euproctis chrysorrhoea*, and (2707) ex *Pieris brassicae*.

(2708) p. 98: Tachinid larva (= prb. *Billaea irrorata*) attached to a respiratory opening at the metathorax of the *Saperda populnea* larva (fig. 30).

Localities near Rouen (F).

REICHERT 1925

(2709) p. 167: Tachinid (= prb. *Winthemia cruentata*), 176 eggs glued on the skin of a single full-grown larva of *Sphinx ligustri* (fig. 3).

ROBBINS 1925

(2710) p. 279: *Compsilura concinnata* ex *Acronicta aceris*, Britain.

SAKHAROV 1925

(2711) p. 11: *Blepharomyia amplicornis* (= *Blepharomyia pagana*) ex *Biston* (= *Lycia*) *hirtaria*, (2712) *B.* (= *Apocheima*) *hispidaria*, (2713) *B.* (= *Lycia*) *pomonaria*, (2714) *Phigalia* (= *Apocheima*) *pedaria*, (2715) *Anisopteryx* (= *Alsophila*) *aescularia*, and (tachinid with ?) (2716) *Exaereta ulmi*.

Locality: Saratov prov., SE Russia. The different hosts were not reared separately. It is thus not certain, that *B. pagana* parasitized all species. – More recent records have shown that it attacks various Geometridae, but the Notodontidae *Exaereta* is a very questionable host. [Another notodontid, *Ptilophora plumigera*, is a confirmed host of *B. pagana*, so *Exaereta* (= *Dicranura*) *ulmi* cannot be completely ruled out.]

SCHMIDT 1925

(2717) p. 76: *Gymnosoma rotundata* (prb. misid. = another *Gymnosoma* sp.) ex *Carpocoris pudicus*, Rheingau (Hessen, D).

(2718) Egg of *Gymnosoma* (or *Ectophasia* or related genus, identity unknown) on *Rubiconia intermedia*, Taunus mts.

SITOWSKI 1925

Ex *Lophyrus* (= *Neodiprion*) *sertifer* in an outbreak in pine forests, prov. Poznań (PL): (2719) pp. 5–7: *Sturmia inconspicua* (= *Drino inconspicua*); (2720) pp. 7–9: *Ceromasia inclusa* (= *Blondelia inclusa*).

Ex *Thaumetopoea pinivora* in Pomorze (N Poland): (2721) p. 8: *Ceromasia nigripes* (= *Blondelia nigripes*) [prb. misid. = prb. *B. pinivorae*].

TAKAGI 1925

Ex *Dendrolimus spectabilis*, Korea (cited from Review of applied Entomology 15: 220): (2722) *Masicera* sp.; (2723) *Carcelia* sp.

TEMPEL 1925

(2724) *Thryptocera pilipennis* (prb. misid. = prb. *Actia nudibasis*) ex *Evetria* (= *Rhyacionia*) *buoliana*, Chemnitz (Sachsen, D).

VIMMER 1925

The descriptions and drawings of larvae and puparia of Tachinidae are taken from previous publications of the author (1911, 1923) and other literature, their quality is insufficient. There are no new host records.

VUKASOVIĆ 1925, see VUKASOVIĆ 1924

ADKIN 1926, see COLLIN 1925

AULLÓ 1926

(2725) p. 7: *Tricholyga grandis* (prb. misid. = prb. *Exorista segregata*) ex *Lymantria dispar*, Villanueva de Cordoba (Spain).

BARBEY 1926

(2726) p. 611: *Lydella nigripes* (prb. misid. = prb. *Blondelia piniariae*) ex *Fidonia piniaria* (= *Bupalus piniarius*), Alsace-Lorraine (F).

BRAGINA 1926

(2727) *Arrhinomyia tragica* (= *Elodia morio*) ex *Cydia pomonella*.

(2728) *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*.

Locality: near Belgrade, Serbia. – Cited from Review of applied Entomology 15: 229.

CHORBADZHIEV 1926(a+b), see CHORBADZHIEV 1925

COLLINS 1926

(2729) p. 60: *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Phlogophora meticulosa*, Oxford district (GB).

(2730) p. 61: *Degeeria muscaria* (= *Vibrissina debilitata*), several specimens swept from bracken (*Pteris aquilinum*) in Tubney, Oxford district, and suspected to be parasitic on the delphacid *Stiroma* (= *Ditropis*) *pteridis*. – A wrong suspicion, because the closely related *Vibrissina turrita* is a parasite of tenthredinid larvae. The assumed host relation is wrongly cited by EMDEN 1954: 59, under *Oswaldia muscaria* Fallén. The species found by COLLINS is *muscaria* sensu Meigen, not Fallén, and the Tubney series is cited by WAINWRIGHT 1928: 192, correctly in the genus *Microvibrissina*.

(2731) p. 62: *Macquartia chalconota* (misid. = *Macquartia tenebricosa*) ex *Chrysomela* (= *Chrysolina*) *varians*, Gloucestershire. – *M. chalconota* does not exist in Britain.

EIDMANN 1926

Ex *Ematurga atomaria* in Bavaria (p. 80): (2732) *Lydella nigripes* (= *Blondelia nigripes* or misid. = *B. piniariae*).

Ex *Bupalus piniarius* in Bavaria, det. ENGEL (p. 82): (2733) *Carcelia rutilla* (= *Senometopia pollinosa*); (2734) *Lydella nigripes* (prb. misid. = prb. *Blondelia piniariae*); (2735) *Zenillia libatrix* (prb. misid. = prb. *Senometopia pollinosa*). – In the collection of the "Institut für angewandte Zoologie in Munich", I have seen a large series of *S. pollinosa* with puparia which was misidentified as *Zenillia libatrix* by ENGEL. There are no labels indicating date, locality, host or collector, but it could well be EIDMANN's material because he had been working at that Institute.

FALCOZ 1926

(2736) p. 133: *Meigenia mutabilis* ex *Phaedon cochleariae*.

(2737) *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) common parasite of *Hyponomeuta malinella*, Vienne (Isère, F).

FAURE 1926a (+b)

Ex *Pieris brassicae* in the Lyonnais, pp. 93–95: (2738) *Compsilura concinnata*, ca. 1 % parasitization; (2739) *Tachina larvarum* (= *Exorista larvarum*), 1 specimen; (2740) *Phryxe vulgaris*, rare.

Ex *P. brassicae* at l'Estaque, Bouches-du-Rhône, p. 95: (2741) *Ceromasia florum* (= *Ceromasia rubrifrons*), 3 specimens (wrongly cited as *Ceromasia rutila* = *Erycilla* in the THOMPSON catalogue); (2742) *Tricholyga segregata* (= *Exorista segregata*), 1 specimen.

FAURE 1926b has listed as parasites of *Pieris brassicae* the same five tachinid species.

Ex other hosts, Lyonnais, pp. 94–95:

(2743) *Compsilura concinnata* ex *Pieris rapae*, (2744) *P. napi*, (2745) *Plusia gamma*, (2746) *Orgyia antiqua*, and (2747) *Euproctis chrysorrhoea*.

(2748) *Phryxe vulgaris* ex *Pieris rapae*.

HERING 1926

(2749) p. 23: *Phytomyzoptera gracilariae* n. sp. (= *Phytomyptera vaccinii*) ex *Gracilaria* (= *Caloptilia*) *roscipennella*, Pfäfers (Eastern Switzerland). – Wrongly cited as synonym of *Phytomyptera nitidiventris* (= *P. nigrina*) by HERTING 1960: 121. See the revision by ANDERSEN 1988.

ILLINGWORTH 1926

Ex *Popillia japonica* in Japan:

(2750) p. 256: *Centeter cinerea* (= *Istochaeta aldrichi*), northern Japan, common parasite of the adult beetle.

(2751) p. 257: *Ochromeigenia ormioides* (= *Hamaxia incongrua*), Yokohama (Honshu), parasite of the adult.

(2752) pp. 257–258: *Prosena siberita*, Hokkaido, parasite of the grubs.

Ex *Popillia* spp. in the Yangtse valley in China, the most common species being *P. atrocoerulea*:

(2753) p. 258: The yellow tachinid from Yokohama (= *Hamaxia incongrua*), rare.

KOVAČEVIĆ 1926

Ex Ringelspinner (*Malacosoma neustria*) in Croatia, p. 94: (2754) *Carcelia cheloniae* (prb. misid. = prb. *Carcelia gnava*); (2755) *Blepharidopsis nemea* (= *Phryxe nemea*); (2756) *Phryxe vulgaris*; (2757) *Sturmia nidicola* (= *Townsendiellomyia nidicola*). – The latter record must be wrong, because *T. nidicola* is a specific parasite of *Euproctis chrysorrhoea*, and its life-cycle is not synchronized with *Malacosoma*.

Ex Schwammspinner (*Lymantria dispar*) in Croatia: (2758) *Lydella nigripes* (= *Blondelia nigripes*); (2759) *Carcelia cheloniae* (prb. misid. = prb. *Senometopia separata*).

KUNTZE 1926

(2760) p. 5 (reprint): *Sturmia inconspicua* (= *Drino inconspicua*) ex *Lophyrus* (*Diprion*) *pallidus*, 3 %, Niepołomice (SE Kraków, Poland).

LANGLOIS 1926

(2761) p. 104: *Salia echinura* (= *Chaetogena obliquata*) regular parasite of *Lasiocampa trifolii*, Eure (F). Up to 50 % parasitization, 2–4, rarely 6 ex one host.

LEBEDEV 1926

(2762) p. 352: *Ptychomyia selecta* (= *Bessa selecta*) common parasite of *Lygaeonematus moestus* (= *Pristiphora moesta*), Kiev. Biology (oviposition). – Cited also by BELANOVSKY 1931a: 26.

(2763) – – (prb. misid. = prb. *Bessa parallela*) common parasite of yablonnaya mol' (= *Hyponomeuta malinella*).

LEBEDEVA 1926

(2764) p. 15: *Tricholyga minor*, det. STACKELBERG (misid., identity unknown) ex *Procris* (= *Theresimima*) *ampelophaga*, Yalta (Crimea).

MATSUMURA 1926a(+b)

(2765) p. 45: *Carcelia excisa* (misid. = prb. *Carcelia matsukarehae*, pers. comm. by H. SHIMA) ex *Dendrolimus yezoensis* [*jezoensis*, "y" is a misprint in the Russian journal] (= var. of *D. superans*) and *D. sibiricus* (= var. of *D. superans*).

(2766) – – (– = –) ex *D. spectabilis*.

(2767) p. 46: *Carcelia gnava* (misid., identity unknown) ex *Dendrolimus spectabilis*.

(2768) – – (–, –) ex *D. yezoensis* [see comment under no. 2765] (= *D. superans*).

(2769) – – (misid. = prb. *Istochaeta aldrichi*) common parasite of *Popillia japonica*.

(2770) pp. 46–47: *Echinomyia dendrolimi* n. sp. (= *Mikia tepens*, pers. comm. by H. SHIMA) ex *Dendrolimus sibiricus* (= *D. superans*), Oshidomari (Risiri Island, Hokkaido). – Wrongly synonymized with *Echinomyia* (= *Tachina*) *magna* by ZIMIN 1935.

The paper of MATSUMURA 1926b contains the same information (pp. 38–39), but *D. sibiricus* is named *D. albolineatus* (= *D. superans*), and the name of the new tachinid species is misspelled (*Echynomyia dendrolimusi*).

MERCET 1926

(2771) p. 54: Two or three species of *Exorista* (= prb. *Phryxe caudata* ♂♀ and a species of unknown identity) parasites of *Thaumetopoea pityocampa*, central plateau of Spain. – The two sexes of *P. caudata* may be mistaken for two different species.

MODESTOV 1926

(2772) p. 470: *Ceromasia* sp. (= ?*Blondelia nigripes* or identity unknown) ex *Micronematus abbreviatus* (= *Pristiphora abbreviata*), Petrovsko-Razumovskaya (Moscow).

MOKRZECKI 1926

(2773) p. 99: *Phasia crassipennis* (prb. misid. = prb. *Ectophasia oblonga*) larva found in *Eurygaster integriceps*, Kuban (S. Russia), 1894.

[NISHIKAWA 1926, see SHIMA 1999]

PICARD 1926

(2774) p. 195: *Degeeria funebris* (prb. misid. = prb. *Medina luctuosa*) parasite of adult *Haltica ampelophaga*, Montpellier (F).

PLOTNIKOV 1926

Ex *Caradrina* (= *Spodoptera*) *exigua*, p. 224: (2775) *Pseudogonia cinerascens* (= *Pseudogonia rufifrons*).

Ex *Dolycoris penicillatus*, p. 253: (2776) *Gymnosoma rotundata* (misid. = prb. *Gymnosoma clavata*, see DUPUIS 1963: 211) (the misidentification is concluded from the position of the parasite eggs on the host); (2777) *Helomyia lateralis* (= *Elomyia lateralis*); (2778) *Ocyptera* sp., corrected on p. 291 (*O. brassicaria* = *Cylindromyia brassicaria*).

Locality: Uzbekistan.

SASAKI 1926

(2779) p. 71: *Tachina rustica* (misid. = *Exorista sorbillans*) parasite of *Theophila* (= *Bombyx*) *mandarina*, Japan, biology.

(2780) – – (– = –) of domestic silkworm (= *Bombyx mori*) in Korea.

SCHEIDTER 1926

(2781) p. 16: Two undetermined tachinid species (= prb. *Meigenia* sp. ♂♀) common parasite of *Phytodecta viminalis*. White eggs glued on the skin of the host. Locality prb. Bavaria. – The two sexes of *Meigenia* may be mistaken for two different species, the female deposits unincubated eggs on chrysomelid larvae.

SUIRE 1926

Locality: Dep. Hérault, in most cases near Montpellier, S France.

(2782) p. 129: *Bactromyia aurulenta* ex *Hyponomeuta padella*; (2783) ex *H. cognatella*; (2784) ex *H. malinella*, common on all three species; (2785) ex *Pyrausta aurata*, 2 specimens.

(2786) *Ceromasia diluta* (= *Xylotachina diluta*) ex *Cossus cossus*, several rearings.

(2787) *Macquartia occlusa* (= *Macquartia tessellum*) ex *Chrysomela americana*.

(2788) p. 130: *Ceratochaeta secunda* (= *Phryxe caudata*) common parasite of *Thaumetopoea pityocampa*, several localities. Biological data.

THOMPSON 1926

Descriptions of larval characters of tachinids. The hosts are quoted from literature except in these two cases:

(2789) p. 120: *Sturmia nidicola* (= *Townsendiellomyia nidicola*) in *Euproctis chrysorrhoea*, description of 1st instar (figs. 7, 14).

(2790) p. 210: *Carcelia gnava* (prb. misid. = *Senometopia separata*) ex *Lymantria dispar*, Hyères (Côte d'Azur, F). – The description of the egg and 1st instar larva prb. refers to the true *C. gnava*.

VILLENEUVE 1926

(2791) p. 246: *Cadurcia casta* ex *Simaethis* (= *Anthophila*) *nemorana*, Cahors (Lot, F), MARCHAND.

VUKASOVIĆ 1926a

(2792) pp. 104, 135, 137: *Compsilura concinnata* ex *Pieris brassicae*, autumn generation, garden in Belgrade, 10–15 %.

VUKASOVIĆ 1926b

(2793) p. 220: *Discochaeta cognata* (= *Eurysthaea scutellaris*) common parasite of *Hyponomeuta malinella*, Central Serbia, up to 21 %.

WILKINSON 1926

Ex *Thaumetopoea wilkinsoni*, Cyprus, p. 177: (2794) *Compsilura concinnata*; (2795) *Tricholyga segregata* (= *Exorista segregata*); (2796) *Ceratochaeta caudata* (= *Phryxe caudata*).

CLAUSEN et al. 1927

(2797) pp. 4–17: *Centeter cinerea* (= *Istochaeta aldrichi*) common parasite of adult *Popillia japonica*, Koiwai (Iwateken, N Honshu) and Sapporo (Hokkaido), biology. Fig. 3: adult. Fig. 11A, D: 1st stage; B, E: 2nd stage; C, F, G, H, I: 3rd stage larva. Fig. 12: egg upon host, cross-section. Fig. 13: ♀ reproductive organs. Fig. 14D: puparium.

(2798) pp. 17–19: *Ochromeigenia ormioides* (= *Hamaxia incongrua*) ex adult *Popillia japonica*, Yokohama, Tokyo, Koiwai, 1–35 %. Biology. Fig. 14C: puparium. Fig. 15: adult. Fig. 16A, B: 1st stage; C, D, E, F, G: 3rd stage larva.

(2799) – – ex *Anomala rufocuprea*.

(2800) – – ex *Phyllopertha* (= *Anomala*) *orientalis*, both Yokohama.

(2801) – – ex *Popillia atrocoerulea* and (2802) *P. mutans*, both Korea.

(2803) p. 19: *Eutrixopsis javana* ex adult *Popillia japonica*, Sapporo, more scarce. Fig. 17: adult.

(2804) pp. 20–25: *Prosena siberita* parasite of *Popillia japonica* larvae, Hokkaido and northern Honshu. Fig. 14B: puparium. Fig. 18: adult. Fig. 19: ♀ reproductive organs. Fig. 20F, G, H: 1st stage; I: hind spiracles 3rd stage. Fig. 21: larva in situ with tracheal funnel.

(2805) pp. 26–31: *Dexia ventralis* effective parasite of *Popillia japonica* larvae, allopatric host under laboratory conditions. Fig. 14A: puparium. Fig. 20A, B, C, D: 1st stage larva. Fig. 21B: funnel on host skin. Fig. 22: adult. The native hosts in Korea are:

Of the 1st (overwintering) generation: (2806) *Miridiba koreana*; (2807) *Popillia castanoptera* (misid. = *P. quadriguttata*, see GARDNER & PARKER 1940: 2).

Of the 2nd (midsummer) generation, presumably: (2808) *Popillia castanoptera* (misid. = *P. quadriguttata*), confirmed by CLAUSEN et al. 1933; (2809) *P. mutans*, not confirmed.

Of the third generation: (2810) *Serica* spp.

COLIZZA 1927

Ex *Tortrix* (= *Cacoecimorpha*) *pronubana*, Resina near Napoli, pp. 50–51: (2811) *Nemorilla floralis* (= *Nemorilla* sp.); (2812) *Actia pilipennis*.

CURRAN 1927

(2813) p. 345: *Prosena malayana* T. T. (misid. = *Prosena siberita*, see ALDRICH 1928b: 131) ex *Popillia japonica* in Japan.

CUSCIANNA 1927

(2814) p. 34: *Lydella casta* (= *Cadurcia casta*) ex *Simaethis* (= *Anthophila*) *nemorana*, Portici near Napoli.

DAVIES 1927

(2815) *Digonochaeta setipennis* (= *Triarthria setipennis*) parasite of *Forficula auricularia*, Harpenden, Herts. (GB). Collections for biocontrol in Canada.

ELLIS 1927a

(2816) p. 54: *Viviania cinerea* (= *Zaira cinerea*) parasite of *Carabus monilis*, Kent. – Cited also in ELLIS 1927b.

ELLIS 1927b see ELLIS 1927a

FALCOZ 1927

(2817) p. 232: *Meigenia mutabilis* (misid. = prb. *Nemorilla* sp.) ex *Hyponomeuta sedella*, Vienne en Dauphiné.

HESSE 1927

Observations by REICHERT, p. 29:

(2818) Tachinid sp. (= prb. *Istochaeta polyphyllae*) parasite of adult *Polyphylla fullo*, Dresden. Egg glued on the abdomen of the host.

(2819) 6–7 Diptera larvae (= prb. *Zaira cinerea*) found in the abdomen of an adult *Carabus hortensis*, Leipzig.

(2820) *Allophora pusilla* (= *Phasia pusilla*) ex adult *Chilacis typhae*, Leipzig.

KHLEBNIKOVA 1927

(2821) p. 208: *Clytiomyia continua* parasite of adult *Eurydema oleracea*, Tomsk (W. Siberia). Biology. Fig. 4: pharyngeal skeleton 3rd instar.

KOLOBOVA in OGLOBLIN & KOLOBOVA 1927

(2822) pp. 55–59: *Stomatomyia acuminata* (= *Chaetogena acuminata*) ex *Blaps halophila*, (2823) *Platyscelis* (= *Oodescelis*) *gages*, (2824) *Pedinus femoralis*, and (2825) *Opatrum sabulosum*.

Biology. Fig. 42: adult. Fig. 43: mouth hooks of 1st, 2nd and 3rd stage. Fig. 44: hind spiracles of 3rd stage. Locality: Poltava (Ukraine).

KONAKOV 1927

(2826) p. 79: Tachinidae (undetermined) ex *Mamestra brassicae*, Voronesh, Russia, in some localities up to 63 %. – In the reprint copied for me by V. RICHTER, the name *Tachina larvarum* is added in a handwritten footnote (by the author?). This species is also quoted in the abstract in Review of applied Entomology 16: 581, but it is not in the printed original text.

KORSAKOVA 1927

(2827) p. 273: *Ptychomyia selecta* (= *Bessa selecta*) parasite of *Pteronus* (= *Nematus*) *ribesii*, N Russia, locally up to 84 %.

LEONARDI 1927

A catalogue compiled from the literature, no original records. The following data are wrong quotations:

(2828) p. 187: *Lydella nigripes* (= *Blondelia nigripes*) ex *Emphytus pallidipes* Spin. (= *Ametastegia pallipes*). – Quoted from RONDANI 1872c: 334 (*Tachina inflexa* Bé. ex *Emphytus grossulariae*) and translated in contemporary nomenclature. The host is wrong, it was *Nematus ribesii* (see BOUCHÉ 1834, no. 89).

(2829) p. 198: *Phorocera stupida* Meigen ex *Lophyrus* (= *Diprion*) *pini*. – Prb. misquoted from GOUREAU 1863: 85 (no. 426). The host is *Lyda pyri* (= *Neurotoma saltuum*, syn.: *Pamphilius flaviventris*). A handwritten note with the name abbreviated as "*L. piri*" could have been misread as "*L. pini*". LEONARDI has, however, also quoted the record under *P. flaviventris*, p. 206. The identity of the true *Phorocera stupida* Meigen is unknown.

(2830) p. 201: *Exorista capillata* (= *Alsomyia capillata*) ex *Clavellaria* (= *Pseudoclavellaria*) *amerinae* and *Cimbex femorata*. – Misquoted from BEZZI 1907, who cites the two hosts on page 240, footnote 4, referring to *Exorista* (= *Phebellia*) *clavellariae* (see nos. 932, 933). The preceding note 3 refers to *E. capillata* (host: *Zygaena* sp.). LEONARDI has confounded the two notes.

(2831) p. 207: *Tachina* (= *Exorista*) *larvarum* ex *Pamphilius vafer*. – Misquoted from RONDANI 1873: 223, who cites the host as *Lyda vafra*, syn. *pratensis* F. (= *Acantholyda posticalis*). This is the old record of SCHWÄGRICHEN in HAPF 1829, see no. 41. Tachinid parasites of the true *Pamphilius vafer* Linnaeus are not known.

(2832) p. 258: *Exorista libatrix* (= *Zenillia libatrix*) ex "*Clisiocampa abrostola*". – Misquoted from RONDANI 1872c: 324, who cites *Clisiocampa* (= *Malacosoma*) and *Abrostola* (generic names only) as hosts of *E. libatrix*. The original records are nos. 337 and 318.

LÉPINEY 1927

(2833) p. 162: *Sturmia inconspicua* (prb. misid. = prb. *Drino imberbis*) ex *Lymantria dispar*, Forêt de la Mamora, Morocco.

LESNE 1927

(2834) No parasite ex *Gastroidea* (= *Gastrophysa*) *viridula* and *G. polygoni* attacking *Rheum officinale* in France. *Meigenia floralis* is quoted as parasite of *Gastroidea* from literature (without reference, prb. from NIELSEN 1911, no. 2005). Wrongly cited in the THOMPSON catalogue as original parasite record from both *Gastrophysa* spp.

LUNDBECK 1927

Localities in Denmark. Host records published already by NIELSEN 1909–1918 are [usually] omitted in the following abstract.

(2835) p. 243: *Macquartia grisea* ex *Chrysomela* (= *Chrysolina*) *sanguinolenta* (NIELSEN).

(2836)* p. 244: *M. tenebricosa* ex *C.* (= *C.*) *fastuosa* (KRYGER, 1 ♂, 1 ♀ from Grib Skov, bred May 1918).

(2837) p. 288: *Monochaeta albicans* (= *Cyzenis albicans*) ex *Triphosa dubitata* (WEIS), and (2838) ex *Cheimatobia* (= *Operophthera*) *brumata* (WEIS).

(2839) p. 294: *Ceromasia senilis* (misid. = *Lydella ripae*) ex *Tapinostola* (= *Photedes*) *elymi* (Bornholm, WEIS).

(2840)* p. 300: *Lydella nigripes* (= *Blondelia nigripes*) ex *Calymnia trapezina*, (2841) *Cucullia artemisiae*, (2842) *C. scrophulariae*, and (2843) *Brephos parthenias*.

(2844) *Lydella nigripes* parasite of *Dendrolimus pini*, biology. – Misreading of BAER 1921: 156 (reprint p. 122), who describes the biology of *L. nigripes* (misid. = *Blondelia piniariae*) parasitic on Kiefernspanner (= *Bupalus piniarius*), not on Kiefernspinner (= *Dendrolimus pini*).

(2845) p. 314: *Exorista affinis* (= *Huebneria affinis*) ex *Arctia caja*.

(2846) p. 316: *E. hortulana* (= *Nilea hortulana*) ex *Acronicta tridens*. (= STEIN 1924: 77, misid. as *E. ingens*), and (2847) ex *Acronicta leporina*.

(2848) p. 317: *E. glauca* ex *Abraxas grossulariata*. – *Exorista agnata* in the record of WULP & MEIJERE 1898 (no. 1423), has been wrongly synonymized here with *E.* (= *Phebellia*) *glauca*. The true *E. agnata* is *Phebellia nigripalpis*, but the parasite of *A. grossulariata* was *Phryxe nemea*.

(2849)* p. 327: *Nemorilla floralis* (misid. = *Nemorilla maculosa*) ex *Tortrix* (= *Aphelia*) *viburnana* (Lemvig/Jylland, 26.VII.–14.VIII.1915), and (2850)* ex *Emydia* (= *Coscinia*) *grammica* (Tisvilde, June 1916).

(2851)* p. 335: *Phryxe vulgaris* ex *Brotolomia* (= *Phlogophora*) *meticulosa* (19.IX.1915, NIELSEN), and (2852)* ex *Biston* (= *Lycia*) *zonaria* (5 ♀♀, March 1918, HOFFMEYER).

(2853)* *Phryxe vulgaris* (misid. = *Phryxe erythrostoma*) ex *Hyloicus pinastri*, 3 ♂♂, Adserbo, WEIS.

(2854) p. 336: *Phryxe nemea* ex *Mamestra oleracea*, (2855)* *Calymnia trapezina* (NIELSEN, 1 ♂, Copenhagen), (2856) *Thyatira batis*, (2857) *Abraxas grossulariata*, and (2858) *Eurrhypara urticata* (= *E. hortulata*).

(2859) p. 339: *Zenillia libatrix* ex *Acronicta auricoma*.

(2860) p. 343: *Z. roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Eurrhypara urticata* (= *E. hortulata*) (Copenhagen, E. NIELSEN), and (2861) ex *Cacoecia* (= *Archips*) *rosana* (Dyrehaven, OLSEN).

(2862)* p. 344: *Zenillia boettcheri* (= *Nilea rufiscutellaris*) ex *Acronicta auricoma* (Frerslev Hegn, RYE., ? = NIELSEN 1918: 255, VILLENEUVE 1919: 306), (2863)* *Acronicta rumicis* (Grib Skov, WEIS), and (2864)* *Crocallis elinguaria* (Frerslev Hegn, KRYGER).

(2865) p. 346: *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *Hyponomeuta cognatella*, and (2866) *H. malinella*.

(2867)* *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *Psecadia* (= *Ethmia*) *decemguttella* (LARSEN, 1 ♂, Faaborg/Fyn).

(2868)* p. 351: *Phorocera assimilis* (misid. = *Phorocera obscura*) ex *Agrotis* (= *Amathes*) *c-nigrum* (Valby/Copenhagen, WEIS).

(2869) p. 354: *P. echinura* (= *Chaetogena obliquata*) ex *Lasiocampa trifolii* (KRYGER).

(2870) p. 356: *Pales pavida* ex *Dryobota* (= *Dryobotodes*) *protea* (WEIS).

(2871) p. 361: *Campylochaeta inepta* ex *Eurymene* (= *Plagodis*) *dolabraria*.

(2872) p. 365: *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti* in fungi on *Betula* and *Populus*.

(2873) – – ex *Hyponomeuta padella*, 1 specimen. – Host unlikely.

(2874) p. 374: *Winthemia quadripustulata* ex *Smerinthus ocellatus*, (2875) *Cucullia scrophulariae*, (2876) *C. umbratica*, and (2877) *Plusia moneta* (WEIS).

(2878)* p. 380: *Carcelia laxifrons* ex *Dasychira fascelina* (Hald/Jylland, LARSEN).

(2879) p. 381: *C. rutilla* (= *Senometopia pollinosa*) ex *Bupalus piniarius*, Hornbaek (WEIS).

(2880)* p. 384: *Tachina larvarum* (= *Exorista larvarum*) ex *Cosmotriche* (= *Philudoria*) *potatoria* (NIELSEN, 1 ♂, 9.VII.1915).

(2881)* – – ex *Orgyia antiqua* (NIELSEN, 3 ♂, 1 ♀, Valby/Copenhagen, October 1912). These specimens have been recorded by NIELSEN 1913a (no. 2086) as *Tachina impotens*. LUNDBECK did not notice the identity and cited the literature record under *T. fasciata* on p. 385.

(2882) – – ex *Acronicta auricoma*. – Cited already by NIELSEN 1918: 253 (no. 2335).

(2883) p. 385: *Tachina fasciata* (= *Exorista fasciata*) ex *Cosmotriche* (= *Philudoria*) *potatoria*, WEIS. – Questionable. 1 ♀* bred later (Korshage, 12.VIII.1929) from the same host by WEIS is *Exorista larvarum*.

(2884) – – ex *Macrothylacia rubi*, NIELSEN. – Prb. correct, see VILLENEUVE 1914, no. 2146. 1 ♂, 3 ♀♀* bred from the same host by WEIS, Adserbo 1928, are also *E. fasciata*.

(2885)* p. 388: *Tachina rustica* (misid. = *Exorista fasciata*) ex *Orgyia ericae* (1 ♀, Fanö, August 1927).

(2886) p. 390: *Tricholyga sorbillans* (misid. = *Exorista grandis*) ex *Saturnia pavonia* (SÖNDERUP).

(2887) p. 393: *Gonia capitata* ex *Agrotis segetum*.

(2888) p. 398: *Histochaeta marmorata* (= *Thelymorpha marmorata*) ex *Malacosoma neustria*.

(2889) p. 402: *Hebia flavipes* ex *Cidaria* sp. (genus?) (Copenhagen, WORM-HANSEN).

(2890) p. 420: *Loewia foeda* ex *Lithobius* sp.

(2891) p. 424: *Nemoraea pellucida* ex *Demas* (= *Colocasia*) *coryli* (WEIS).

(2892) *Nemoraea rubrica* (= *N. pellucida*) ex *D.* (*C.*) *coryli*.

(2893)* – – ex *Zenosema* (= *Cosymbia*) *linearia* (LARSEN). – A small specimen. The empty host pupa with the empty *Nemoraea puparium* in it is pinned with it. The correct identification of the host has been confirmed by J. PATOČKA, Zvolen.

(2894) p. 427: *Echinomyia grossa* (= *Tachina grossa*) ex *Lasiocampa quercus*, and (2895) ex *Macrothylacia rubi* (WEIS).

(2896) p. 432: *Peleteria nigricornis* (= *Peleteria rubescens*) ex *Agrotis* (= *Euxoa*) *cursoria* (WEIS).

(2897) p. 433: *P. ferina* ex *Arctia* (= *Hyphoraia*) *aulica* (WEIS).

(2898) p. 434: *P. popeli* ex *Emydia* (= *Coscinia*) *striata* (Tisvilde, NIELSEN).

(2899) p. 442: *Brachychaeta strigata* ex *Notodonta dromedarius* (Bornholm, WEIS). – Prb. wrong, the adult flies occur in early spring on low vegetation, the alleged host larvae much later in summer on trees and bushes.

(2900 = 2007) p. 459: *Actia nudibasis* ex *Evetria* (= *Petrova*) *resinella* (NIELSEN), and (2901 = 2006) *E.* (= *Rhyacionia*) *buoliana* (NIELSEN).

(2902) p. 460: *A. pilipennis* ex *Tortrix viridana* (SÖNDERUP).

(2903) p. 463: *A. nigroscutellata* ex *Cydia* (= *Rhopobota*) *ustomaculana* (KRYGER), and (2904) *Olethreutes roseomaculana* or *dalecarliana* (KRYGER).

(2905) p. 466: *Actia bicolor* (= *Ceromyia bicolor*) ex *Eriogaster lanestris* (9 specimens, Köge, WEIS).

(2906) p. 475: *Bucentes geniculata* (= *Siphona geniculata*) ex *Tipula paludosa* (M. THOMSEN).

(2907) – – (prb. misid. = prb. *Siphona cristata*) ex *Mamestra contigua* (WEIS).

(2908) p. 476: *B. flavifrons* (misid. = *Siphona setosa*) ex *Tephroclystia* (= *Eupithecia*) *succenturiata*. – The determination has been rectified by ANDERSEN 1982: 157.

(2909) p. 483: *Voria ruralis* ex *Plusia chrysitis*.

(2910)* p. 484: *V. hilaris* (= *Hypovoria hilaris*) ex *Cucullia chamomillae* (Horsens/Jylland, SKOVGAARD).

(2911) p. 485: *Voria trepida* ex *Plusia gamma*. – *Plagia ambigua* (= *Voria ruralis*) in the record of WULP 1869: 152 (no. 570), has been wrongly synonymized here with *V.* (= *Athrycia*) *trepida*.

(2912) p. 495: *Ernestia connivens* (= *Eurithia connivens*) ex *Euplexia lucipara* (WEIS).

(2913)* p. 499: *E. radicum* (= *Eurithia anthophila*) ex *Mamestra persicariae* (NIELSEN). Rectification of no. 2173.

(2914) p. 501: *E. caesia* (= *Eurithia caesia*) ex *Dianthoecia capsincola* (= *Hadena bicruris*) (Stenege near Aarhus, WEIS), (2915) *D. carpophaga* (= *Hadena perplexa*), and (2916) *Triphaena* (= *Noctua*) *pronuba*.

(2917) p. 505: *Ernestia rudis* (prb. misid. = prb. *Ernestia vagans*) ex *Cymatophora* (= *Polyploca*) *flavicornis* (WEIS).

(2918)* – – (misid. = *Nemoraea pellucida*) ex *Gnophria* (= *Atolmis*) *ruficollis* (WÜSTNEI, Sönderborg, 24.V.1894).

(2919) p. 512: *Epicampocera conspersa* (= *Smidtia conspersa*) ex *Larentia nebulata* (= *Oporinia dilutata*) (Bornholm). – The host is prb. *nebulata* Thunberg, not *nebulata* Scopoli (= *Euchoeca*).

(2920) – – ex *L. minuta* (= ?). – Quoted without reference. The source of the record and the host name are unknown to me.

(2921) p. 541: *Blepharomyia amplicornis* (= *Blepharomyia pagana*) ex *Bapta temerata* (Bornholm, WEIS).

(2922)* p. 548: *Thelaira nigripes* ex *Dianthoecia capsincola* (= *Hadena bicruris*) (1 ♂, Stenege/Jylland, 25.V.1911), (2923)* *D. carpophaga* (= *H. perplexa*) (1 ♂, no dates), and (2924)* *Lasiocampa trifolii* (1 ♀, no dates).

(2925) p. 129: *Lophosia fasciata* "recorded parasitic on *Tortrix viridana*". – No reference. On p. 297, LUNDBECK cites the record of CECCONI (no. 2030), *Lydella angelicae* ex *T. viridana*, also without reference. On pp. 256–257, the record no. 2032, *Plesina maculata* ex *T. viridana*, should have been cited from the same source, but it is lacking. Has LUNDBECK, by lapse, confounded the names *Plesina maculata* and *Lophosia fasciata*? *L. fasciata* is a Phasiinae, bred from pentatomid hosts.

MEIJERE 1927

(2926) p. LXX *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, Putten, OUDEMANS.

POUTIERS 1927

(2927) p. 227: *Actia pilipennis* ex *Tortrix* (= *Cacoecimorpha*) *pronubana*, Antibes and Menton (Côte d'Azur, France).

RAMBOUSEK 1927

The tachinids mentioned (pp. 330–331) are cited from literature. The seven parasites of *Agrotis segetum* are included in the abstract in the Review of applied Entomology 15: 316, and in the THOMPSON catalogue, but only three of them have been recorded from Czechoslovakia (see RAMBOUSEK & STRAŇÁK 1919).

ROBBINS 1927

(2928) p. 17: *Diplostichus janithrix* (= *janitrix*) ex *Diprion pini*, Surrey, BURKILL, and (p. 19) New Forest, LYLE [the latter recorded by WAINWRIGHT 1928, no. 3143].

RODIONOV 1927

Ex hibernated pupae of *Chloridea obsoleta* (= *Heliothis armigera*) in Azerbaijan, reared 1915 by ZAITSEV, p. 48: (2929) *Tachina rustica* (misid. = ?*Exorista larvarum*), and (2930) *Cnephalia bucephala* (= *Spallanzania hebes*).

SACHTLEBEN 1927

Ex *Panolis flammea* (larvae), Zossen (Brandenburg, D): (2931) *Echinomyia magnicornis* (= *Tachina magnicornis*), pp. 478–480, and (2932) *Ernestia rudis*, most common parasite, pp. 481–483.

Ex puparium dug out from the soil in outbreak area of *P. flammea*: (2933) *Winthemia amoena* (= *Timavia amoena*), 1 specimen, p. 483.

SEITNER 1927

(2934) p. 433: *Blepharipa scutellata* (= *Blepharipa pratensis*) most important parasite of Kiefernspinner (= *Dendrolimus pini*), Marchfeld, E Austria.

ŞUSTER 1927

(2935) p. 527: *Peleteria ferina* ex *Arctia* (= *Hyphoraia*) *aulica*.

(2936) *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*.

(2937) *M. silvatica* (prb. misid. = prb. *M. pavoniae* ♀) ex *S. pyri*. – In the list of Romanian Tachinidae (ŞUSTER 1939: 416) only *M. pratensis* is cited with this host.

(2938) *Eutachina larvarum* (= *Exorista larvarum*) ex *Lymantria dispar*.

(2939) *Compsilura concinnata* ex *Pieris brassicae*.
Localities in Romania.

TAKANO 1927

Ex *Bombyx mori* in Japan (cited from Review of applied Entomology 15: 280): (2940) *Crossocosmia sericariae* (= *Blepharipa sericariae*), and (2941) *Tricholyga bombycum* (= *Exorista sorbillans*).

VILLENEUVE 1927

(2942) p. 268: *Kirbya moerens unicolor* n. ssp. (= *Kirbya unicolor*) vaguely assumed to be parasite of *Geotrupes* (= *Ceratophyus*) *typhoeus*, Frankfurt/Oder. – This assumption is almost certainly wrong, because *Kirbya* belongs to the subtribe Voriina which are parasites of Lepidoptera.

VUKASOVIĆ 1927a

(2943) p. 94: *Nemorilla floralis* (= *Nemorilla* sp.) ex *Psammotis* (= *Microstega*) *hyalinalis*, near Belgrade (Serbia).

VUKASOVIĆ 1927b

Ex *Vanessa* (= *Inachis*) *io*, Belgrade (Serbia), p. 277: (2944) *Argyrophylax bella* (= *Sturmia bella*), (2945) *Compsilura concinnata*, and (2946) *Phryxe vulgaris*.

VUKASOVIĆ 1927c

(2947) p. 170: *Discochaeta cognata* (= *Eurysthaea scutellaris*) parasite of *Hyponomeuta malinella*, Serbia, in all samples from several localities.

YAKHONTOV 1927(a+b)

(2948) p. 741: *Ernestia consobrina* (= *Eurithia consobrina*) ex *Barathra* (= *Mamestra*) *brassicae*, St. Petersburg prov., nearly 20 % parasitization in rearings mixed with the following species: (2949) *Polia* (= *Mamestra*) *dissimilis*, (2950) *P.* (= *M.*) *oleracea* (6 %), and (2951) *P.* (= *M.*) *pisi* (37 %).

p. 737: *Ernestia consobrina* larvae accepted (2952) *P.* (= *M.*) *dentina*, (2953) *P.* (= *M.*) *persicariae*, and (2954) *Cucullia* sp. in experiment.

p. 729: Various other species of Lepidoptera (listed by name) were not accepted as hosts.

pp. 729–742: Biology. pp. 22–25: Description of all stages. Fig. 1: adult. Figs. 2–4: genitals ♂♀. Fig. 5: egg. Figs. 6, 7: 1st instar. Figs. 8, 9: 2nd instar. Figs. 11, 12: 3rd instar. Figs. 13, 14: puparium.

YAROSLAVTSEV & SOLOV'EVA 1927

(2955) *Cnephalia hebes* (= *Spallanzania hebes*) important parasite of *Euxoa* (= *Agrotis*) *segetum*, Ukraine. – Cited from Review of applied Entomology 16: 176.

ZERNY 1927

(2956)* p. 351: *Cyrtophlebia nudinerva* (= *Hyleorus nudinerva*) common parasite of *Albarracina korbi* (= *A. warionis*), Albarracin (Aragon, Spain).

ZIMIN 1927

(2957) *Microphthalma disjuncta* (= *Microphthalma europaea*) parasite of *Polyphylla fullo*, Aleshki, Ukraine. – Cited from Review of applied Entomology 16: 219.

ALDRICH 1928a

(2958) p. 6: *Pexomyia genalis* n. sp. (= *Erythrocera genalis*) ex *Popillia japonica*, Japan.

(2959) *Centeter unicolor* n. sp. (= *Istochaeta unicolor*) ex *Anomala sieversi*, and (2960) *Phyllopertha* spp., both Suigen (Korea).

ALDRICH 1928b

(2961) p. 131: *Prosena siberita* ex *Popillia japonica*, Japan, CLAUSEN. Correction of CURRAN 1927: 345.

AUE 1928

Tachinids det. P. SACK. Localities near Frankfurt/Main, unless otherwise stated.

(2962) p. 57: *Zenillia libatrix* (or misid.?) ex *Vanessa* (= *Inachis*) *io*.

(2963) *Degeeria luctuosa* (misid., identity unknown) ex *Scoliopteryx libatrix*. – *D.* (= *Medina*) *luctuosa* is a parasite of adult Halticinae (Col.).

(2964) *Compsilura concinnata* ex *Acronicta alni*.

(2965) p. 58: – – ex *Dicranura* (= *Cerura*) *vinula*.

(2966) *Voria ambigua* (= *Voria ruralis*) ex *Agrotis* (= *Ochropleura*) *plecta*.

(2967) *Compsilura concinnata* ex *Acronicta rumicis*.

(2968) p. 59: – – ex *A. aceris*.

(2968a) *Voria ambigua* (= *Voria ruralis*) ex *Plusia gamma*.

(2969) *Sturmia vanessae* (= *Sturmia bella*, or misid.) ex *Ocnogyna latreillei*, Barcelona.

(2970) *Carcelia excisa* (misid., identity unknown) ex *Vanessa* (= *Aglais*) *urticae*, numerous.

(2971) – – (misid. = prb. *Carcelia gnava*) ex *Stilpnotia* (= *Leucoma*) *salicis*.

BARANOV & HERGULA 1928

(2972) *Ceromasia senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, 3 specimens, Požega (Croatia). – Mentioned also by HERGULA 1928: 222.

BOSELLI 1928

A catalogue compiled from publications in Italy 1911–1925. Of the 71 tachinid host records listed (pp. 248–251), 46 are quoted from the textbook of CECCONI 1924. The following data are misquotations:

(2973) *Cnephalia bucephala* (= *Spallanzania hebes*) and *Peleteria prompta* (misid. = *Peleteria rubescens*) parasites of *Agriotes lineatus*. – The host is wrong. CECCONI 1924, pp. 501 and 488, has cited these two tachinids correctly as parasites of the Agrotide dei seminati (= *Agrotis segetum*, Lep. Noctuidae). The name of the host has been confounded with Agriote dei cereali (= *Agriotes lineatus*, Col. Elateridae).

(2974) *Lydella lepida* (misid. = *Phryxe caudata*) parasite of *Thaumetopoea pityocampa* and *Th. processionea*. – The second host is wrong. CECCONI has recorded *L. lepida* only from *Th. pityocampa*, see no. 2570.

CHORBADZHIEV 1928a (b, c)

Ex *Lymantria dispar*, Bulgaria, no precise locality, p. 24:

(2975) *Baumhaueria goniaeformis* (or misid.?). – Not mentioned by the same author in 1928b, c.

(2976) *Sturmia bimaculata* (= *Drino inconspicua*). – Mentioned also in 1928b: 128 and 1928c: 19.

[DRENSKI 1928, see TSCHORSNIG 2017]

DUDICH 1928

(2977) p. 189: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Hungary, at several, mostly trans-Danubian localities.

ELLINGER 1928

(2978) p. 233: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Korenovskaya (Kuban distr., S Russia) and Selennyi [= Zelyony] Myss (near Batum [= Batumi], Georgia).

ELLINGER & SACHTLEBEN 1928

(2979) p. 129: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*. Hungary, DUDICH, ELLINGER, SACHTLEBEN. Yugoslavia, VOUK. Romania, KNECHTEL.

HASE 1928

(2980) p. 147: *Lydella senilis* (misid. = *Lydella thompsoni*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, and (2981) *Sesamia nonagrioides*, Spain.

HERGULA 1928

(2982) p. 220: *Masicera senilis* (misid. = *Lydella thompsoni*) ex Corn Borer (= *Ostrinia nubilalis*), Yugoslavian part of the Danube valley, 0.36–0.7 %, BABCOCK.

KAMNER 1928

No original records of bred Tachinidae. The four species *Dexia rustica*, *D. vacua*, *Dexiosoma canina* and *Microphthalma disjuncta* (= *M. europaea*) listed on p. 26 are, as stated in the text, quoted from the handbook of ESCHERICH 1923. Their citation in Review of applied Entomology 17: 251, and in the THOMPSON catalogue as parasites of *Melolontha melolontha* and *M. hippocastani* in Transsylvania is wrong.

KAZANSKY 1928

(2983) Tachinid, prb. *Echinomyia* sp. (misid. = prb. *Masicera sphingivora*) parasite of *Dendrolimus* (*superans*) *sibiricus*, Buryat-Mongolia. 5–6 larvae in one host pupa.

[KOVAČEVIĆ 1928, see TSCHORSNIG 2017]

KRASNYUK 1928

Ex *Aporia crataegi*, Mleev, Kiev prov., Ukraine, p. 31: (2984) *Lydella nigripes* (= *Blondelia nigripes*), and (2985) *Phryxe vulgaris*, both species together 3 %.

KRAUSSE 1928

(2986) p. 252: *Nemorilla floralis* (or misid. = *N. maculosa*) (det. RIEDEL) ex *Tortrix politana* (= *Argyrotaenia pulchellana*), Eisenberg near Sagan, Silesia (now PL).

LACROIX 1928

(2987) p. 64: *Ptychomyia selecta* (= *Bessa selecta*) ex *Pteronidea* (= *Nematus*) *salicis*, Deux-Sèvres and Charente-Inférieure (W France).

LEONARDI 1928

(2988) p. 140: "*Billaea*" *coryligallarum* ex *Eriophyes coryligallarum*. – A misprinted line: The genus name is *Arthrocnodax* (Cecidomyiidae) and not *Billaea* (Tachinidae), see LEONARDI 1927: 252.

(2989) p. 141: "*Campylochaeta*" *angusta* ex *Dasychira pudibunda* and *Orgyia gonostigma* (= *O. recens*). – The subsequent genus name *Carcelia* belongs here, it has been misplaced in print. Original records see nos. 1288, 1289.

(2990) p. 143: *Dionaea forcipata* ex *Saperda populnea*. – Two different lines have been distorted here into one, the species *Dionaea nitidula*, which is (wrongly) recorded by SMITH 1852 (see no. 367) from the host *S. populnea*, has been missed out.

(2991) pp. 146, 147: *Lydella pinivorae* ex *Vanessa polychloros*, *V. urticae*, *Emphytus pallidipes*, *Nematus ribesii*. – The four hosts belong to *Lydella* (= *Blondelia*) *nigripes*, see LEONARDI 1924, 1927. The misplacement is unimportant, because *pinivorae* is a synonym of *nigripes*. [The true *Blondelia pinivorae* was recognized as a valid species by BERGSTRÖM & BYSTROWSKI 2011.]

(2992) p. 148: *Pales pavida* ex *Zygaena lonicerae*, and *Pales pumicata* (misid.) ex *Plusia gamma*. – These two host records are not cited in LEONARDI 1924, 1925, their origin is doubtful.

(2993) p. 149: *Phenicellia haematodes* ex *Zonosema* (= *Rhagoletis*) *alternata*. – The host is misplaced, it has been recorded for the preceding species, *Peteina erinaceus*. Original record see no. 249.

(2994) p. 150: *Phryxe vulgaris* ex *Zygaena achilleae* var. *bellis*. – The host record is not cited in LEONARDI 1925, its origin is doubtful.

(2995) p. 156: "*Zeuxia*" *palumbii* ex *Pemphigus utricularius*. – The genus name is *Leucopis* (Chamaemyiidae), not *Zeuxia* (Tachinidae). A species *palumbii* Rondani exists in both genera. Correctly cited in LEONARDI 1923: 38.

MEIJERE 1928a

(2996) p. 34: *Sturmia bimaculata* (= *Drino inconspicua*, or misid.) ex *Malacosoma castrensis*, Leersum, KOORNEEF [original spelling in MEIJERE = KOORNNEEF].

(2997) *Zenillia libatrix* ex *Lymantria monacha*, Putten, OUDEMANS.

(2998) *Pales pavida* ex *Nola* (= prb. *N. cucullatella*), Dieren, KOORNEEF.

(2999) p. 35: *Plagia ruralis* (= *Voria ruralis*) ex *Botys* (= *Sylepta*) *ruralis*, Wamel, SCHUYT. – Host prb. wrong (?*Abrostola* sp. on *Urtica*).

(3000) *Actia nudibasis* ex *Evetria* (= *Petrova*) *resinella*, Putten, OUDEMANS. Kollum, TER HAAR. Exaeten, WASMANN.

(3001) – – ex *E.* (= *Rhyacionia*) *buoliana*, Beekhuizen (on label: Beekbergen, pers. comm. by T. ZEEGERS).

(3002)* *A. pilipennis* (misid. = *Actia crassicornis*, 1 ♀) ex *Depressaria angelicella*, Rotterdam, SNELLEN.

(3003) *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, Putten, OUDEMANS [already recorded by MEIJERE 1927, no. 2926].

MEIJERE 1928b

Exhibited specimens from rearings in the Netherlands.

(3004) p. II: *Exorista lucorum* (= *Carcelia lucorum*) ex *Phragmatobia fuliginosa* [= prb. record of MEIJERE 1916, no. 2216].

(3005) *Exorista excisa* (misid. = *Carcelia rasa*, det. SIJSTERMANS, pers. comm. by DE JONG) ex *Dasychira pudibunda*.

(3006) *Compsilura concinnata* ex *Plusia* sp., and (3007) *Porthesia* (= *Euproctis*) *similis*.

(3008) *Tachina larvarum* (= *Exorista larvarum*) ex *Phragmatobia fuliginosa*.

(3009 = 2349) *Plagia ruralis* (= *Voria ruralis*) ex *Pionea* (= *Evergestis*) *forficalis*. – Host misid., it was *Plusia gamma*, see no. 2349.

(3010) p. III: *Compsilura concinnata* ex *Mamestra oleracea*.

(3011) *Echinomyia grossa* (= *Tachina grossa*) ex *Lasiocampa quercus* [= prb. record of MEIJERE 1896, no. 1388], and (3012) *Macrothylacia rubi*.

[MITANI et al. 1928, see SHIMA 2006]

MOKRZECKI 1928

Ex *Lymantria dispar* at Drewnica (Rembertów), Poland, p. 274: (3013) *Tachina larvarum* (= *Exorista larvarum*), (3014) *Compsilura concinnata*, (3015) *Parasetigena segregata* (= *Parasetigena silvestris*), and (3016) *Sturmia* sp. (= *Blepharipa pratensis* and/or *Drino inconspicua*).

Ex other hosts:

(3017) p. 277: *Phryxe vulgaris* (prb. misid. = prb. *Phryxe erythrostoma*) ex *Dendrolimus pini*, Wloclawka. – Prb. not from this host, but from *Hyloicus pinastri*.

(3018) p. 284: *Argyrophylax bella* (prb. misid. = prb. *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, Lipusz.

(3019) p. 285: *Sturmia inconspicua* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pallidus*, Miklaszewicze [= Mikluszowice].

[Nishikawa 1928, see Shima 1999]

Paillot 1928

(3020) p. 92: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Lyon region 5–15 %, rare in the Jura.

[Rambousek 1928, see Tschorsnig 2017]

Sitowski 1928

(3021) p. 4: *Tachina larvarum* (= *Exorista larvarum* or misid. = *E. fasciata*) ex barczatka (= *Dendrolimus pini*), uncommon.

(3022) *Parasetigena segregata* (= *Parasetigena silvestris*) ex mniszka (= *Lymantria monacha*), 7 %.

(3023) *Eriothrix rufomaculata* ex barczatka (= *Dendrolimus pini*). – The host is almost certainly wrong, it was probably an unnoticed root-feeding pyralid larva in the litter of the rearing cage.

Localities in Poland.

Skell 1928

(3024) p. 29: *Sturmia atropivora* (= *Drino atropivora*) ex *Acherontia atropos*, Chiemsee and Ammersee area (S Bavaria).

Şuster 1928

(3025) p. 253: *Chaetolyga amoena* (misid., identity unknown) ex *Lymantria dispar*, 1 specimen, Costeşti, prov. Botoşani. – This fly emerged in summer after a short pupal period, whereas *Timavia amoena* hibernates in the puparium.

(3026) p. 254: *Parexorista lucorum* (prb. misid. = prb. *Senometopia separata* or *Carcelia gnava*) common parasite of *Lymantria dispar*, Ungheni, prov. Iaşi.

(3027) p. 255: *Myxexorista libatrix* (= *Zenillia libatrix*) ex *Thaumetopoea processionea*, Breazu, prov. Iaşi.

(3028) p. 257: *Tricholyga sorbillans* (misid. = *Exorista segregata*) ex *Lymantria dispar*, Costeşti, prov. Botoşani. – In the list of tachinids found in Romania (Şuster 1939: 417) *T. sorbillans* is omitted and *Tricholyga segregata* is cited instead of it.

(3029) p. 260: *Gymnopareia pilipennis* (misid. = *Eurysthaea scutellaris*) common parasite of *Hyponomeuta evonymella* on *Evonymus* (prb. misid. = prb. *H. cognatella*), Şorogari, prov. Iaşi. – Rectified by Şuster 1930[= 1929]: 95, who states that *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) was the only tachinid species bred by him from *Hyponomeuta* since 1924.

Thompson 1928

(3030) pp. 125–147: *Digonichaeta setipennis* (= *Triarthria setipennis*) common parasite of *Forficula auricularia*, England, France, N Italy. Biology p. 140. Description of all larval stages, figs. 1, 3, 5–10, 12–16, 18–21, 26, 31–33, 36, 38, 40, 45–46.

(3031) p. 146: – – larva in *Chelidura albipennis*.

(3032) pp. 147–154: *Rhacodineura antiqua* (= *Ocytata pallipes*) less common parasite of *Forficula auricularia*, England, N Italy. Biology p. 152. Description of all larval stages, figs. 2, 4, 11, 25, 27–30, 34–35, 37, 39, 41, 44.

Thompson & Parker 1928

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, collections for biological control in USA:

(3033) *Masicera senilis* (misid. = *Lydella thompsoni*), S France, on the Mediterranean cost parasitism up to 28 %, rare near Dijon, absent in central and northern France, common in NW Spain, less numerous in Italy, Yugoslavia and Hungary. Biology pp. 18–20.

(3034) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*), S France, in Aquitania up to 13 %, less common in NW Spain, rare in Italy, not found in the other areas. Biology pp. 22–23.

(3035) *Exorista mitis* (= *Eumea mitis*), 3 puparia found in tunnels of *nubilalis* in stems of *Artemisia* near Paris, p. 24.

(3036) *Nemorilla maculosa* (= *Nemorilla* sp.), S France, very rare (Tab. 12, p. 43).

(3037) *N. floralis* (= *Nemorilla* sp.), N Italy, very rare (Tab. 17, p. 55).

Ex another host species:

(3038) p. 21: *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Pionea* (= *Anania*) *stachydalis*, SW France, Chrétien.

Torka 1928

Ex *Athalia colibri* (= *A. rosae*), Neustadt/Oberschlesien (= Prudnik, PL): (3039) *Lydella nigripes* (= *Blondelia nigripes*), and (3040) *Tachina erucarum* (= *Exorista mimula*).

Vimmer 1928

A list of Tachinidae bred from Lepidoptera in Bohemia [and Moravia: Třebíč] during 21 years. No annotations, except in the parasites of *Lymantria monacha* (p. 51). Records published previously by the author are repeated in the paper, but omitted in this abstract:

(3041) p. 48: *Epicampocera setifacies* (= *Buquetia musca*) ex *Papilio machaon*.

(3042) *Winthemia quadripustulata* ex *Thais* (= *Zerynthia*) *polyxena*.

(3043) *Exorista confinis* (= *Aplomyia confinis*, or misid.) ex *Aporia crataegi*.

(3044) *Compsilura concinnata* ex *Pieris rapae*, and (3045) *P. napi*.

(3046) *Phryxe vulgaris* ex *P. napi*.

(3047) *Compsilura concinnata* ex *Pieris brassicae*.

(3048) *Phryxe vulgaris* ex *P. brassicae*, and (3049) *Euchloe* (= *Anthocharis*) *cardamines*.

(3050) *Compsilura concinnata* ex *Pyrameis* (= *Vanessa*) *atalanta*.

Ex *Vanessa* (= *Aglais*) *urticae*: (3051) *Sturmia scutellata* (prb. misid. = prb. *Sturmia bella*), (3052) *Winthemia quadripustulata*, (3053) *Chaetogena rufipalpis* (= prb. *Compsilura concinnata*), (3054) *Bothria frontosa* (questionable), and (3055) *Phorocera assimilis* (questionable).

Ex other hosts:

(3056) *Phryxe vulgaris* ex *Vanessa* (= *Nymphalis*) *xanthomelas*.

(3057) *Compsilura concinnata* ex *V.* (= *N.*) *antiopa*.

(3058) *Tachina rustica* var. *nigricans* (prb. misid. = ?*Blondelia nigripes*) ex *Vanessa* (= *Nymphalis*) *polychloros*. – *Tachina* (= *Exorista*) *rustica* is a parasite of Tenthredinidae.

(3059) *Erycia fatua* ex *Melitaea athalia*.

(3060) *Tachina larvarum* (= *Exorista larvarum*) ex *Argynnis paphia*.

(3061) *Winthemia quadripustulata* ex *A. aglaja*.

(3062) p. 49: *Frontina laeta* ex *Smerinthus ocellatus*.

(3063) *Masicera pratensis* (prb. misid. = prb. *Masicera sphingivora*) ex *S. populi*.

(3064) *Frontina laeta* ex *Sphinx ligustri*.

(3065) *Winthemia quadripustulata* ex *Chaerocampa* (= *Deilephila*) *elpenor*.

(3066) *Thelaira nigripes* (= *Thelaira* sp.) ex *C.* (= *D.*) *elpenor*.

Ex *Deilephila* (= *Celerio*) *euphorbiae*: (3067) *Sturmia scutellata* and *Blepharipoda major* (both names are synonyms of *Blepharipa pratensis*, but possibly a misid. of *Drino galii* or

D. vicina), (3068) *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*), and (3069) *Micropalpus pictus* (= *Linnaemyia picta* or misid.) (questionable).

Ex other hosts:

(3070) *Carcelia excisa* (= *Senometopia excisa*, but prb. misid.) ex *Pterogon* (= *Proserpinus*) *proserpinus*.

(3071) *Phryxe vulgaris* ex *Metopsilus* (= *Deilephila*) *porcellus*.

(3072) *Tachina larvarum* (= *Exorista larvarum*) ex *Macroglossum stellatarum*.

(3073) *Phryxe vulgaris* (or misid.) ex *Orgyia antiqua*.

(3074) *Carcelia excisa* (= *Senometopia excisa*, prb. misid.) ex *Dasychira pudibunda*.

(3075) *Zenillia libatrix* ex *Euproctis chrysorrhoea*.

Ex *Lymantria dispar*: (3076) *Ernestia consobrina* (prb. misid. or host wrong), and (3077) *Exorista affinis* (= *Huebneria affinis*) (questionable).

Ex *Lymantria monacha* (list of species on p. 49, annotations on p. 51): (3078) *Parasetigena segregata* (= *Parasetigena silvestris*) (very common, Lány, Hořovice, Třebíč), (3079) *Ernestia rudis* (Lány) (host prb. wrong), (3080) *Thelaira leucozona* (= *Thelaira* sp.) (Hořovice) (questionable), (3081) *Ceromasia florum* (= *Ceromasia rubrifrons* or misid.) (Hořovice) (wrongly cited as *Ceromasia rutila* (= *Erycilla*) in the THOMPSON catalogue), and (3082) *Sturmia scutellata* (= *Blepharipa pratensis*), and (3083) *Tachina vicinalis* (= *Erycilla rufipes* or misid.) (host prb. wrong).

At Třebíč the following species (besides *Parasetigena*) were obtained from soil samples in the outbreak area of *L. monacha*: (3084) *Phorocera caesifrons* (= *Phorocera obscura*), (3085) *Phorocera assimilis*, (3086) *Peleteria nigricornis* (= *Peleteria rubescens*) (host prb. wrong), and (3087) *Compsilura concinnata*.

Ex *Malacosoma neustria*: (3088) *Carcelia gnava*, (3089) *Zenillia libatrix*, (3090) *Pales pavida*, (3091) *Phorocera assimilis*, (3092) *Chaetogena rufipalpis* (= prb. *Compsilura concinnata*), and (3093) *Phorocera caesifrons* (= *Phorocera obscura*) (questionable).

Ex *Lasiocampa trifolii*: (3094) *Echinomyia grossa* (= *Tachina grossa*), (3095) *Masicera silvatica* (?misid. = *Masicera* sp.), and (3096) *Phryxe vulgaris* (or misid.).

Ex *Dendrolimus pini*: (3097) *Carcelia rutilla* (= *Senometopia pollinosa*) (host prb. wrong, parasite of *Bupalus piniarius*).

Ex *Saturnia pyri*: (3098) *Panzeria strenua* (= *Ernestia rudis* or misid.) (unlikely), and (3099) *Masicera pratensis* (= *Masicera pavoniae*).

Ex *Saturnia carpini* (= *S. pavonia*): (3100) *Panzeria strenua* (= *Ernestia rudis* or misid.) (unlikely), and (3101) *Exorista affinis* (= *Huebneria affinis*).

Ex *Saturnia spini*: (3102) *Masicera pratensis* (= *Masicera pavoniae*).

Ex *Agrotis segetum*: (3103 = 2359) *Phryxe vulgaris*, (3104 = 2360) *Gonia divisa*, (3105) *G. capitata*, and (3106 = 2358) *Cnephalia hebes* (= *Spallanzania hebes*).

Ex other hosts, p. 50:

(3107) *Prosopea nigricans* (prb. misid., identity unknown) ex *Mamestra pisi*.

(3108) *Lydella nigripes* (= *Blondelia nigripes*) ex *M. pisi*.

(3109) *Bucentes geniculata* (prb. misid. = prb. *Siphona cristata*) ex *Mamestra brassicae*.

(3110) *Zenillia libatrix* (prb. misid. = prb. *Senometopia pollinosa*) ex *Bupalus piniarius*.

(3111) *Winthemia amoena* (= *Timavia amoena*) ex *Panolis griseovariegata* (= *P. flammea*).

(3112) *Winthemia quadripustulata* ex *Cucullia scrophulariae*.

(3113) *Baumhaueria goniaeformis* (or misid.) ex *C. scrophulariae*.

(3114) *Ernestia consobrina* (= *Eurithia consobrina*, or misid. = *E. connivens*) ex *Cucullia artemisiae*.

(3115) *Tachina larvarum* (= *Exorista larvarum*) ex *Catocala fraxini*.

(3116) *Voria ruralis* ex *Plusia gamma*.

(3117) *Phryxe vulgaris* ex *Parasemia plantaginis*.

(3118) *Demoticus plebejus* (prb. misid., identity unknown) ex *Arctia hebe*.

(3119) *Tachina larvarum* (= *Exorista larvarum*) ex *A. caja*.

(3120) *Thelaira leucozona* (= *Thelaira* sp.) ex *A. caja*.

(3121) *Exorista affinis* (= *Huebneria affinis*) ex *A. villica*.

(3122) *Erycia fatua* (prb. misid. = prb. *Ceromasia rubrifrons*) ex *Zygaena fausta*. – Wrongly cited as *Ceromasia rutila* (= *Erycilla*) in the THOMPSON catalogue.

(3123) *Phryxe vulgaris* (prb. misid.) ex *Hyponomeuta padella*.

(3124) *Lydella nigripes* (= *Blondelia nigripes*) ex *Hyponomeuta padella*.

(3125) *Tachina erucarum* (misid. = prb. *Exorista civilis*) ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*.

(3126) *Lydella ambulans* (= *Xylotachina diluta*) ex *Cossus cossus*.

VUKASOVIĆ 1928

List of tachinids bred in Serbia, pp. 56–57:

(3127 = 2944) *Argyrophylax bella* (= *Sturmia bella*) ex *Vanessa* (= *Inachis*) *io*, Beograd.

(3128 = 2945) *Compsilura concinnata* ex *V.* (= *I.*) *io*, Topčider and Beograd [Topčider is part of Beograd].

(3129) – – ex *Pieris brassicae*.

(3130 = 2793 = 2947) *Discochaeta cognata* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*, Topčider, Vrgntse [= Vrnjci], Arandzhelovats [= Aranđelovac].

(3131 = 2943) *Nemorilla floralis* (= *Nemorilla* sp.) ex *Psammotis hyalinalis*, Topčider.

(3132 = 2946) *Phryxe vulgaris* ex *Vanessa* (= *Inachis*) *io*, Topčider.

WAINWRIGHT 1928

(3133) p. 179: *Nemoraea pellucida* ex *Taeniocampa* (= *Orthosia*) *stabilis*, New Forest (Hampshire), LYLE.

(3134) p. 186: *Exorista confinis* (= *Aplomyia confinis*) ex *Lycaena* (= *Polyommatus*) *coridon*, Wye (Kent), H. WOOD.

(3135) – – ex *L.* (= *P.*) *bellargus*, Reigate (Surrey), CHAPMAN.

(3136) *E. tritaeniata* (= *Cadurciella tritaeniata*) ex *Callophrys rubi*, TONGE.

(3137) p. 188: *Exorista libatrix* (= *Zenillia libatrix*) ex *Drepana cultraria*, Horsley (Surrey), COCKAYNE.

(3138) *E. pexops* (misid. = *Myxexoristops stolida*) ex *Nematus* (= *Pristiphora*) *erichsoni*, North England, MANGAN (see WARDLE 1914).

(3139) p. 189: *Exorista roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Tortrix* (= *Cacoecimorpha*) *pronubana*, ADKIN (see COLLIN 1909).

(3140) p. 192: *Erycia fatua* (misid. = *Erycia furibunda*) ex *Melitaea aurinia*, Cornwall, HAMM.

(3141) p. 193: *Bactromyia aurulenta* ex *Thecla w-album*, COCKAYNE.

(3142) *Ptychomyia selecta* without discal bristles on the abdomen (= *Bessa parallela*) ex *Hyponomeuta padella*, COLLIN.

(3143) p. 194: *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) *pini*, New Forest (Hampshire), LYLE.

(3144) p. 205: *Blepharomyia amplicornis* (= *Blepharomyia pagana*) ex *Hybernia* (= *Erannis*) *marginaria*, Nottinghamshire, CARR.

(3145) p. 208: *Actia bicolor* (= *Ceromyia bicolor*) ex *Lasiocampa quercus*, Newport (Salop), ROEBUCK.

(3146) *A. fissicornis* (= *Peribaea fissicornis*) ex *Ourapteryx sambucaria*, New Forest (Hampshire), LYLE.

(3147) In the THOMPSON catalogue (1946: 331, 418), the two preceding host records (*L. quercus* and *O. sambucaria*) have been wrongly attributed to *Actia frontalis* (= *A. lamia*), the name of which stands at the beginning of the paragraph on p. 208 in WAINWRIGHT's paper. The mistake has slipped from there also into the lists of EMDEN 1954: 65–66, HERTING 1960: 60, and MESNIL 1963: 822.

(3148) p. 212: *Arrhinomyia tragica* (= *Elodia morio*) ex *H.* (= *Cydia*) *servillana*, Herefordshire, J. H. WOOD.

(3149) p. 216: *Macquartia tenebricosa* numerous ex *Chrysomela* (= *Chrysolina*) *varians*, Yanworth (Gloucestershire), COLLINS; Aldermaston (Berkshire), HAMM.

WÜLKER 1928

Ex *Pteronidea* (= *Nematus*) *ribesii*, Frankfurt/Main, p. 439: (3150) *Lydella nigripes* (= *Blondelia nigripes*), and (3151) *Ptychomyia selecta* (= *Bessa selecta*), det. BAER.

AUE 1929

Tachinids det. SACK. Localities near Frankfurt/Main, unless otherwise stated.

(3152) p. 21: *Exorista confinis* (prb. misid., identity unknown) ex *Phragmatobia fuliginosa*.

(3153) *Microtachina erucarum* (misid., identity unknown) ex *Chaerocampa* (= *Deilephila*) *elpenor*. – *M. erucarum* (= *Exorista mimula*) is a parasite of Tenthredinidae.

(3154) *Exorista festiva* ex *Chaerocampa* (= *Deilephila*) *elpenor*. – *E. festiva* is a species of unknown identity, described by MEIGEN 1824 (type lost) and unrecognized by subsequent authors.

(3155) *Lydella nigripes* (= *Blondelia nigripes*) ex *Anarta myrtilli*.

(3156) *Demoticus* sp., immature specimen with undeveloped wings (misid., identity unknown) ex *Macrothylacia rubi*.

(3157) p. 22: *Echinomyia grossa* (= *Tachina grossa*) ex Brombeerspinner (= *Macrothylacia rubi*).

(3158) *Exorista confinis* (prb. misid., identity unknown) ex *Mamestra oleracea*.

(3159) *Compsilura concinnata* ex *M. oleracea*.

(3160) – – ex *Acronicta auricoma*. Two other specimens from the same rearing were determined as *Phorocera assimilis* (misid.). – The flight period of *P. assimilis* is in spring, but the host larvae were collected on 2nd October.

(3161) *Actia bicolor* (= *Ceromyia bicolor*) ex *Lasiocampa quercus*, 67 specimens from a single host larva, Mosbach/Baden.

(3162) p. 23: *Hilarella stictica* (misid. = prb. *Meigenia* sp.) ex *Chrysomela* (= *Chrysolina*) *varians*. – The sarcophagid genus *Hilarella* is parasitic in the nests of Sphecidae (Hym.). Both *Meigenia* and *Hilarella* have paired dark spots on the abdomen.

(3163) *Microtachina erucarum* (misid., identity unknown) ex *Papilio machaon*.

(3164) *Exorista fimbriata* (misid., identity unknown) ex *Pyrameis* (= *Vanessa*) *cardui*. – I have never seen a reared specimen of *E.* (= *Platymyia*) *fimbriata*. This species is probably (as its Nearctic form *P. confusionis*) a parasite of *Crambus* spp.

(3165) *Masicera pratensis* (prb. misid. = prb. *Sturmia bella*) ex *P.* (= *V.*) *cardui*.

BARANOV 1929a

(3166) p. 14: *Echinomyia praeceps aestivalis* (= *Tachina praeceps*) ex *Euproctis chrysorrhoea*, Belje (YU), MIKRINA.

[BARANOV 1929b, see TSCHORSNIG 2017]

BURGESS & CROSSMAN 1929

Collection of parasites in Europe and Japan for biological control in USA. [The country records listed below refer in part to earlier rearings recorded by HOWARD & FISKE 1911.]

Ex *Porthetria* (= *Lymantria*) *dispar*:

(3167) p. 52: *Compsilura concinnata*, most European countries (P, E, F, B, NL, D, CH, A, CS, H, PL, I, YU, BG), Russia, Japan. Life-history.

(3168) p. 67: *Sturmia scutellata* (= *Blepharipa pratensis*), E, F, B, NL, D, A, CS, H, PL, I, YU, BG, Russia. Life-history.

(3169) p. 104: *Phorocera agilis* (= *Parasetigena silvestris*), E, F, B, CS, H, PL, YU, BG, Russia. In many cases the predominant parasite. Life-history.

(3170) p. 111: *Tachina larvarum* (= *Exorista larvarum*), P, E, F, B, NL, D, CH, A, CS, H, PL, I, YU, BG, Russia. Life history.

(3171) p. 113: *Lydella nigripes* (= *Blondelia nigripes*), PL, YU, H. More important as parasite of the brown-tail moth (= *Euproctis chrysorrhoea*), see below.

(3172) *Sturmia inconspicua* (= *Drino inconspicua*), F, D, CS, H, PL, I, YU, Russia.

(3173) p. 114: *Tricholyga segregata* (= *Exorista segregata*), Spain, Portugal, Algeria, Bulgaria. – Records from more northern countries in previous collections (1906–1911) are unreliable, because the species had been confused with *Exorista larvarum*.

(3174) *Carcelia separata* (= *Senometopia separata*) and (3175) *Carcelia gnava* have been confounded. Their distribution and importance is unclear.

(3176) p. 115: *Zenillia libatrix*, Yugoslavia, Hungary. More important as parasite of *Euproctis*, see below.

(3177) *Crossocosmia sericariae* (= *Blepharipa sericariae*), Japan, SUMMERS. In some collections, nearly all the *dispar* pupae were parasitized by this species.

Ex *Nygmia phaeorrhoea* (= *Euproctis chrysorrhoea*):

(3178) p. 111: *Tachina larvarum* (= *Exorista larvarum*), apparently less important than as parasite of *Lymantria dispar*, see above.

(3179) p. 113: *Lydella nigripes* (= *Blondelia nigripes*), E, F, B, NL, D, CH, A, CS, H, I, YU, Russia.

(3180) p. 115: *Zenillia libatrix*, F, D, A, H, I, Russia.

(3181) p. 131: *Sturmia nidicola* (= *Townsendiellomyia nidicola*), E, F, B, D, A, CS, H, I, Ukraine. Often 20–30 % parasitization, sometimes more.

(3182) pp. 134, 52: *Compsilura concinnata*, important parasite of *E. chrysorrhoea* as well as of *L. dispar* (see above).

(3183) p. 136: *Carcelia laxifrons*, F, D, CH, A, CS, H, I, Russia. Life-history.

Ex other hosts:

(3184) p. 15: *Sturmia inconspicua* (= *Drino inconspicua*) ex *Lophyrus* (= *Diprion*) *pini*, Bochnia (Poland), CZARNECKI.

(3185) pp. 114–115: *Carcelia gnava* ex *Stilpnotia* (= *Leucoma*) *salicis*, Hungary, common.

DEKHTIAREV 1929

(3186) p. 96: *Microphthalma disjuncta* (misid. = *Microphthalma europaea*) parasite of *Polyphylla fullo*, Kherson, Odessa and Mariupol distr. (Ukraine), often destroying a considerable percentage.

DELGADO DE TORRES 1929

No original records of Tachinidae. The parasite list on p. 68 is cited from literature.

ELLINGER & SACHTLEBEN 1929

(3187) pp. 63, 70: *Lydella senilis* (= *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Poltava (Ukraine), Armavir (Kuban distr.), Derbent and Chasav-Yurt (Dagestan close to the Caspian Sea), and two localities cited already by ELLINGER 1928: 233.

ENDERLEIN 1929

(3188) p. 102: Tachinid egg, presumed to be *Gymnosoma rotundata* (prb. misid. = prb. *Gymnosoma clavata*) on the scutellum of *Carpocoris* (= *Dolycoris*) *baccarum*, Grimma/Sachsen (D).

(3189) Dipteran larva (prb. Phasiinae, identity unknown) filling the abdomen of *Troilus luridus*.

FALCOZ 1929

(3190) p. 18: *Meigenia floralis* (= *Meigenia mutabilis*) ex *Phaedon cochleariae*, Saint-Symphorien-d'Ozon [and/or Saint-Barthélemy-de-Beaurepaire] near Vienne (Isère, F).

HERGULA 1929

(3191) p. 123: *Ceromasia senilis* (misid. = *Lydella thompsoni*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, Northern Yugoslavia (Slovenia, Croatia, Serbia), average 6 %, max. 30 %. Biology.

(3192) p. 125: *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Virovitica and Gospić (Croatia), 3 specimens.

(3193) – – ex *Mecyna* (= *Uresiphita*) *polygonalis*, leg. APFELBECK (prb. Bosnia).

KOTLÁN 1929

(3194) pp. 96–97: *Lydella senilis* (misid. = *Lydella thompsoni*) constant parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, Hungary, trans-Danubian zone, average 3–5 %, max. more than 10 %.

[KUWAYAMA 1929, see SHIMA 1999]

LEBEDEV & SAVENKOV 1929

Ex *Dendrolimus pini* pupae, Donetsk (Ukraine), p. 50: (3195) *Tachina larvarum* (= *Exorista larvarum*, or misid. = *E. fasciata*), (3196) *T. fallax* (= *Exorista xanthaspis*), and (3197) *Sturmia bimaculata* (= *Drino inconspicua*) (1 specimen). – These species emerged in mid July, other puparia (more numerous) remained in diapause. The latter were probably *Blepharipa pratensis*, which is difficult in hibernation.

MENOZZI 1929

(3198)* *Rondania dimidiata*, det. SÉGUY (misid. = *Rondania cucullata*, in MNHN), ex adult *Cleonus mendicus*, Rieti (Italy), in some fields 25–30 % of the female hosts parasitized.

MORRIS 1929

(3199)* *Gymnosoma rotundata* (misid. = *Gymnosoma clavata*, 1 ♂, 1 ♀ in BMNH) common parasite of *Dolycoris baccarum*, Chionistra, Cyprus. About 50 % of the bugs sheltering during summer under stones contained a parasite larva.

[NISHIKAWA 1929, see SHIMA 1999]

PARKER et al. 1929

A supplement to THOMPSON & PARKER 1928. Percentage of parasitism of *Pyrausta* (= *Ostrinia*) *nubilalis* in different zones of Europe (Tab. 2). The following records are from zones not investigated before:

(3200) *Masicera senilis* (misid. = *Lydella thompsoni*), Dnepr river area (Ukraine), nearly 9 %.

(3201) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*), Dalmatia, 24–30 %.

POULTON 1929

(3202) p. 68: *Phryxe vulgaris* ex *Pyrameis* (= *Vanessa*) *cardui*, Isle of Wight.

RAMBOUSEK 1929

Ex *Plusia gamma*, Bohemia: (3203) *Tachina larvarum*, most common parasite (prb. misid. = prb. *Voria ruralis*), (3204) *Pales pavida*, and (3205) *Bucentes cristata* (= *Siphona* sp., ?*S. cristata*).

RIESGO ORDÓÑEZ 1929

(3206) p. 55: *Tricholyga grandis* (prb. misid. = prb. *Exorista segregata*) ex *Lymantria dispar*.

(3207) – – ex *Malacosoma neustria*.

(3208) *Parexorista confinis* (prb. misid., identity unknown) ex *M. neustria*.

Locality: Valle de los Pedroches, Córdoba, Spain.

SAALAS 1929

(3209) *Ernestia rudis* common parasite of *Panolis griseovariegata* (= *P. flammea*), Valkjärvi, Finland (Karelia, now Russia).

SAKHAROV 1929

(3210) *Cnephalia bucephala* (= *Spallanzania hebes*) common parasite of *Euxoa* (= *Agrotis*) *segetum*, Saratov (Lower Volga) region, Russia.

(3211) *Gonia ornata* parasitizes *E.* (= *A.*) *segetum* in experiments. Leaf-oviposition, structure and longevity of eggs.

SHCHEGOLEV 1929

Localities in Southern Russia.

Ex *Chloridea* (= *Heliothis*) *dipsacea*, p. 21: (3212) *Tachina fallax* (= *Exorista xanthaspis*), (3213) *Echinomyia praeceps* (= *Tachina praeceps*, or misid. = *T. magnicornis*), (3214) *Cnephalia hebes* (= *Spallanzania hebes*), and (3215) *Voria trepida* (prb. misid. = prb. *Athrycia impressa* or *A. curvinervis*).

Ex *Melicleptria* (= *Heliothis*) *scutosa*, p. 25: (3216) *Echinomyia praeceps* (= *Tachina praeceps*, or misid. = *T. magnicornis*).

Ex *Chloridea* (= *Heliothis*) *peltigera*, p. 31: (3217) *Echinomyia praeceps* (= *Tachina praeceps*, or misid. = *T. magnicornis*).

SITOWSKI 1929

(3218) pp. 3–4: *Sturmia inconspicua* (= *Drino inconspicua*) ex cocoons of *Lophyrus* (= *Diprion*) *pini*, Plock on Vistula, Poland, 12 %

(3219) p. 6: *Diplostichus janitrix* ex *Lophyrus* (= *Diprion*) *pini*, Pomorze (Poland).

STEIN 1929

(3220) p. 140: *Tachina rustica* (= *Exorista rustica*) ex *Tenthredopsis coqueberti*, Chodov (NW Bohemia) [see also no. 1058].

SUIRE 1929

(3221) p. 105: *Compsilura concinnata* ex *Acronicta aceris* (common), and (3222) *Trigonophora* (= *Phlogophora*) *meticulosa*.

(3223) *Tachina larvarum* (= *Exorista larvarum*) ex *A. aceris*, and (3224) *T.* (= *P.*) *meticulosa*.

(3225) *Gymnobasis microcera* (= *Billaea maritima*) ex *A. aceris* and/or *T.* (= *P.*) *meticulosa*, rare. – Host prb. wrong. *B. maritima* is a parasite of cetoniid larvae.

(3226) *Echinomyia fera* (= *Tachina fera*) parasite of *A. aceris*, and (3227) *T.* (= *P.*) *meticulosa* (common; behaviour of the planidium larva).

(3228) p. 106: *Winthemia quadripustulata* ex *T.* (= *P.*) *meticulosa*.

VILLENEUVE 1929

(3229) p. 71: *Exorista mitis* (= *Eumea mitis*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, near Paris.

VIMMER 1929

(3230) p. 46: *Ernestia radicum* (misid. = *Drino lota*) ex *Chaerocampa* (= *Deilephila*) *elpenor*, 10 parasite larvae ex one host, PFLEGER. Description of 3rd instar, 5 figures. – The general pilosity of the larval skin (figs. 1, 5) is characteristic for the genus *Drino*, and in this genus the only species with strongly undulate slits of the hind stigmata (fig. 3) is *D. lota*.

(3231) p. 47: *Nemoraea rubrica* (= *Nemoraea pellucida*) ex *Demas* (= *Colocasia*) *coryli*, BAŤA, Budějovic.

(3232) *Tachina larvarum* (= *Exorista larvarum*) ex *Arsilonche* (= *Simyra*) *albovenosa*, HOLIK.

Localities in Bohemia.

[YAGO 1929, see SHIMA 1999]

YAKHONTOV 1929

Locality: Bukhara (Uzbekistan).

(3233) p. 28: *Alophora subcoleoptrata* (= *Phasia subcoleoptrata*) ex *Eurygaster integriceps*, 16 %.

(3234) *Anantha* sp. (= prb. *Elomyia lateralis*) ex *Carpocoris pudicus*, 2 %

(3235) p. 30: *Peleteria nigricornis* (= *Peleteria rubescens*) ex *Euxoa* (= *Agrotis*) *segetum*.

(3236) *Cnephalia hebes* (= *Spallanzania hebes*) ex *E.* (= *A.*) *segetum*.

[YOKOYAMA 1929, see SHIMA 1999]

ZORIN & ZORINA 1929

Ex *Polia* (= *Mamestra*) *oleracea*, St. Petersburg area (N Russia), pp. 484–485: (3237) *Ernestia consobrina* (= *Eurithia consobrina*) (up to 9 %), (3238) *Lydella nigripes* (= *Blondelia nigripes*), and (3239) *Voria trepida* (misid. = *Athrycia curvinervis* or *A. impressa*) (2 specimens ex 1 host, hibernation as puparium in the soil).

[ZWÖLFER 1929, see TSCHORSNIG 2017]

BORCEA & ŞUSTER 1930

Ex *Loxostege sticticalis* in Romania: (3240) *Nemorilla floralis* (= *Nemorilla* sp.) (up to 3 %), (3241) *Tritochaeta pullata* (= *Clemelis pullata*) (most important, up to 32 %), and (3242) *Tachina rustica* (prb. misid. = prb. *Exorista civilis*), (rare). [The records are also cited by ŞUSTER 1931.]

CHIPISHEV 1930

(3243) p. 206: *Eutachina erucarum* (misid. = *Exorista civilis*) ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*, Kaya-Burune (Bulgaria).

CHORBADZHIEV 1930

(3244) p. 79: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Troyan (Balkan mts., Bulgaria).

CZERWINSKI & KUNTZE 1930

Ex *Bupalus piniarius*, Zamojska area, SE Poland:

(3245) *Lydella nigripes* (prb. misid. = prb. *Blondelia piniariae*), larva in the gut of the host, common, pp. 3, 8 (10, 12).

(3246) *Carcelia rutilla* (= *Senometopia pollinosa*), more rare, p. 8 (12).

[DRENSKI 1930, see HUBENOV 1985, TSCHORSNIG 2017]

ELLINGER 1930

Ex Corn Borer (= *Ostrinia nubilalis*), Derbent (Black Sea coast of Dagestan) and Erivan (Armenia), p. 39: (3247) 70 *Lydella senilis* (misid. = *Lydella thompsoni*), (3248) 12 *Clemelis pullata* (questionable), and (3249) 12 *Tachina civilis* (= *Exorista civilis*) (questionable). – *Clemelis* and *Exorista* are not adapted to parasitize boring hosts, they are parasites of *Loxostege sticticalis* and may have come into the rearing as puparia or with infested hosts on maize leaves.

Ex Corn Borer (= *O. nubilalis*) larvae collected at Uman (Ukraine), Derbent (Dagestan) etc. and shipped for breeding to the Institut Pasteur, Paris, p. 40: (3250) 76 *L. senilis* (misid. = *Lydella thompsoni*), and (3251) 1 *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*), from Uman.

ENDERLEIN 1930

(3252)* p. 44: *Pamphagophaga gomerana* n. sp. (= *Ceracia mucronifera*) ex *Acrostira bellamyi*, Gomera (Canary Is.), 9 specimens ex 1 host.

FALCOZ 1930

(3253) p. 152: *Leskia aurea* ex *Synanthedon formicaeformis*, Vienne en Dauphiné. – The pyralid *Euzophera bigella* was also obtained in the rearing, but a parasitism of *L. aurea* on hosts other than Sesiidae has never been ascertained.

HERGULA 1930

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, southern Yugoslavia, p. 128: (3254) *Ceromasia senilis* (misid. = *Lydella thompsoni*), Skoplje (Macedonia) and Grbalj (southern Dalmatia), and (3255) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*), Grbalj (3 %), Virpazar and Cetinje (both in Montenegro, 1–2 %).

KRISHTAL & PETRUKHA 1930

Ex *Loxostege sticticalis*, Kiev prov., Ukraine, p. 46: (3256) *Tritochaeta pullata* (= *Clemelis pullata*), and (3257) *Tachina larvarum* (prb. misid. = prb. *Exorista civilis*).

KUWAYAMA 1930

(3258) *Exorista tritaeniata* (prb. misid. = prb. *Pseudoperichaeta nigrolineata*) [true identity remains a guess] ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Hokkaido, Japan. – Cited from Review of applied Entomology 19: 144.

LEBEDEV & SAVENKOV 1930

The information in this paper in German language is the same as published by the two authors in Russian in 1929 (nos. 3195–3197a).

LÉPINEY 1930a

(3259) pp. 85–86: *Sturmia inconspicua* (prb. misid. = *Drino* sp.) [treated as "prb. *D. imberbis*" in no. 2833] ex *Lymantria dispar*, few specimens, Forêt de la Mamora, Morocco.

(3260) – – (prb. misid. = prb. *Drino maroccana*) ex *Taragama repanda*, Beni Mellal, common, Mimeur. – I have seen specimens of *D. maroccana* bred from *T. repanda* in Morocco by BRÉMOND and RUNGS. The species has been described by MESNIL 1951: 194, as subspecies of *Drino latigena*. Wrongly cited by HERTING 1960: 81 as *D. latigena*.

Both host records are also cited by LÉPINEY & MIMEUR 1932: 112.

LÉPINEY 1930b

(3261) *Uclesia fumipennis* important parasite of *Chondrostega maghrebica*, Morocco, 1–4 ex. from one host cocoon.

MAMONOV 1930

Ex *Loxostege sticticalis*, Rostov/Don (S Russia), pp. 28–29: (3262) *Nemorilla floralis* (= *Nemorilla* sp.), (3263) *Tachina erucarum* (misid. = *Exorista civilis*), (3264) *Zenillia libatrix*, (3265) *Z. pullata* (= *Clemelis pullata*), and (3266) *Tachina larvarum*

(= *Exorista larvarum* or misid. = *E. civilis*). – The last two species were reared at Kayala by STRUKOVA [*Z. pullata* also by CHIRANKOV].

MEIJERE 1930

(3267) pp. IX–X: *Tamiclea globulus* (= *Strongygaster globula*) reared from nest of *Lasius alienus*, GÖSSWALD, Germany. – Published also bei GÖSSWALD 1932: 59, without details. Locality near Würzburg (NW Bavaria). The parasitism in the ant queen has been confirmed and studied in detail by GÖSSWALD 1950, host *Lasius niger*.

MENOZZI 1930

(3268) p. 19: *Rondania dimidiata* (misid. = *Rondania cucullata*, see pl. II on p. 9, adult ♂♀) parasite of adult *Cleonus mendicus*, Campiglia (Toscana), 10–15 %, Rieti (Central Italy), up to 30 %. Biology.

(3269) – – (– –) of *Brachycerus undatus*.

(3270) – – (– –) of *Larinus cynarae*.

(3271) p. 72: *Zeuxia cinerea* parasite of *Lixus junci* larvae, Siena (Toscana), up to 50 %. Biology.

(3272) p. 171: *Echinomyia magnicornis* (= *Tachina magnicornis*) ex *Agrotis segetum*, Cecina (Toscana) and Rieti, fairly common.

NISHIKAWA 1930a(b)

(3273) *Gaedia puellae* n. sp. (= *Pales pavida*) parasite of *Bombyx mori*, Gifu, Kyoto, Mie and Aichi provinces (Honshu). Biology. Pl. 9: eggs deposited under a leaf. Pl. 10: eggs hatching in gut fluid of host, 1st stage larva in silk gland. Pls. 25–30: morphology and anatomy: Figs. 1–33: adult. Figs. 34–37: 1st stage. Figs. 38–53: 3rd stage.

(3274) – – ex *Porthesia similis*, pp. 2, 173, 272.

(3275) – – ex *Acronicta major*, p. 272.

In an oral report preceding this paper, but published later (NISHIKAWA 1930b), the parasite is named *Gaedia ignavus* (pers. comm. by H. SHIMA).

Ex *Bombyx mori* in Gifu prov.: Other tachinid parasites of this host are illustrated on pl. 1. The names are given only in Japanese, but translated in Review of applied Entomology 19: 261, as follows: (3276) *Sturmia sericariae* (= *Blepharipa sericariae*), (3277) *Tricholyga bombycis* (= *Exorista sorbillans*), and (3278) *Tachina mella* (misid. = *E. japonica*).

[The records nos. 3276–3278 are not mentioned again by SHIMA 1999, 2006, so they are probably not original new material reared by NISHIKAWA.]

[PATERSON 1930, see TSCHORSNIG 2017]

PFEFFER 1930[a]

Ex *Enarmonia* (= *Zeiraphera*) *diniana*, Rudohoří (= Erzgebirge, N Bohemia), p. 89: (3279) *Nemorilla maculosa* (prb. correct), more common, and (3280) *Lydella nigripes* (= *Blondelia nigripes*), scarce.

[PFEFFER 1930b, see TSCHORSNIG 2017]

POLAK 1930

(3281) p. LXXXV: *Compsilura concinnata* common parasite of *Malacosoma neustria*, Amsterdam (NL).

PUPPINI 1930

(3282)* p. 215: *Phytomyptera nigrina* (misid. = *Phytomyptera vaccinii*) ex *Recurvaria nanella*, Emilia, Italy.

RAUTHER 1930

(3283)* p. XIII: *Histochaeta inconspicua* (= *Gymnophryxe inconspicua*) ex *Orgyia dubia turcica*, Anatolia (on label: Akshehir), CRETSCHMAR. – See also VILLENEUVE 1931b: 36.

RIEDEL 1930

(3284) p. 262: *Winthemia ligustri* (= *Winthemia cruentata*) ex *Sphinx ligustri*, AUE.

(3285) p. 263: *Carcelia gnava* ex *Dasychira pudibunda*, BOLDT.

(3286)* *Exorista hortulana* (= *Nilea hortulana*) ex *Sphinx ligustri* (host prb. wrong.), Lohr/Main, STADLER. – Two specimens sent to RIEDEL for determination are *N. hortulana*, but the biological data (the empty host pupa contained ca. 50 parasite puparia) do not fit with this species. According to NIELSEN 1911 (no. 2003), *Exorista blepharipoda* (= *N. hortulana*) kills the host already in the larval stage, bores out and pupates in the soil.

(3287) *Masicera pratensis* (prb. misid. = prb. *Masicera sphingivora*) ex *Acronicta rumicis*, (3288) *Celerio euphorbiae*, and (3289) *Hadena rurea* (= *Apamea crenata*), all reared by AUE.

(3290) p. 264: *Bactromyia aurulenta* ex *Hylophila* (= *Bena*) *prasinana*, AUE.

(3291)* – – ex *Mamestra pisi*, Crimmitschau (Sachsen), 1 specimen, JUNKEL. (= STEIN 1924: 100). – Host questionable [host might be correct because *B. aurulenta* is known from several noctuid species].

(3292) *Compsilura concinnata* ex *Acronicta rumicis*, AUE, and (3293) *Euproctis chrysorrhoea*, LOMMATZSCH.

(3294)* *Tricholyga nova* (= *Exorista nova*) ex *Zygaena occitanica*, Vernet-les-Bains (Pyrénées-Orientales, F), HOLIK.

(3295)* – – ex *Zygaena trifolii*, Vannes (Morbihan, F) (= VILLENEUVE 1931a: 58).

(3296) p. 265: *Wagneria carbonaria* (sensu Stein = *Ramonda prunaria*) ex *Mamestra ?genistae*, AUE.

(3297) *Wagneria lentis* (= *Ramonda spathulata*) ex *Hadena rurea* (= *Apamea crenata*), AUE.

(3298)* – – ex *Agrotis* (= *Amathes*) *collina*, Erzgebirge (Sachsen, D). – Seven specimens in coll. RIEDEL, leg. SCHUKATSCHEK. Published also by VILLENEUVE 1937: 404.

(3299)* *Actia bicolor* (= *Ceromyia bicolor*) ex *Lasiocampa quercus*, 72 specimens, Teplitz-Schönau (= Teplice, Bohemia), HOLLAS.

Localities near Frankfurt/Main, unless otherwise stated.

SACHTLEBEN 1930a

(3300) p. 53: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, several localities in Bulgaria and Romania. Figs. 3, 7: hind end of puparium.

(3301) p. 54: *Exorista mitis* (= *Eumea mitis*) ex *P.* (= *O.*) *nubilalis*, Merisan (Romania), 1 specimen, and Berlin-Dahlem (D), experimental field, 2 specimens. Figs. 3, 6: hind end of puparium.

SACHTLEBEN 1930b

(3302) p. 111: *Lydella senilis* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Keszthely (Hungary), 6.6 %.

SAKHAROV 1930

Locality: Saratov (Lower Volga) region, Russia.

(3303) p. 42: *Tachina larvarum* (= *Exorista larvarum*) ex vosklitsatel'naya sovka (= *Agrotis exclamationis*), several specimens.

(3304) *Phryxe vulgaris* ex ozimaya sovka (= *Agrotis segetum*), 1 specimen, POPOV.

(3305) *Cnephalia bucephala* (= *Spallanzania hebes*), (3306) *Gonia capitata*, and (3307) *G. ornata*, parasites of both host species.

pp. 42–47: Parasitism of *Gonia* and *Cnephalia* on *Agrotis* larvae, biology (text of SAKHAROV 1929: 71–74, reprinted).

SCHIMITSCHEK 1930

(3308) p. 25: *Zenillia libatrix* and (3309) *Tachina larvarum* (= *Exorista larvarum*) ex *Stilpnotia* (= *Leucoma*) *salicis*, Donau-Auen near Wien.

(3310) p. 26: *T.* (= *E.*) *larvarum* ex *Hyloicus pinastri*, up to 7 from one host, and (3311) ex *Saturnia pyri*, no details.

SERVADEI 1930

Locality: Emilia (N Italy).

(3312) p. 275: *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) and (3313)* *Phorinia aurifrons* (misid. = *Bessa parallela*) ex *Hyponomeuta padella* on *Malus* (= *H. malinella*).

(3314)* pp. 280, 282: *Phorinia aurifrons* (misid. = *B. parallela*) ex *H. padella* on *Crataegus* and *Prunus domestica*.

(3315) p. 287: *Ptychomyia selecta* (misid. = *B. parallela*) ex *Hyponomeuta cognatella* on *Evonymus*.

(3316)* p. 298: *Nemorilla maculosa* ex *Hyponomeuta vigintipunctata* on *Sedum*, Marano near Bologna.

ŞUSTER 1930 [correct = ŞUSTER 1929]

Localities in Romania, prov. Iaşi, unless otherwise stated.

(3317) p. 64: Pedicelled eggs of *Carcelia* sp. (= prb. *Carcelia laxifrons*) on caterpillars of *Euproctis chrysorrhoea*, Costeşti, prov. Botoşani.

(3318) pp. 65, 93: *Exorista libatrix* (= *Zenillia libatrix*) ex *Thaumetopoea processionea*, Breazu and Ungheni.

(3319) pp. 69, 91: *Carcelia lucorum* (prb. misid. = prb. *Senometopia separata*) ex *Lymantria dispar*, Ungheni, common. p. 71: Up to 6 specimens from a single caterpillar.

(3320) pp. 69, 71: *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*.

(3321) *M. silvatica* (prb. misid. = prb. *M. pavoniae* ♀) ex *S. pyri*. Both "species" were reared from the same host cocoon [see also comment under no. 2937].

(3322) pp. 69, 93: *Eutachina larvarum* (= *Exorista larvarum*) common parasite of *Euproctis chrysorrhoea*, Costeşti, prov. Botoşani, up to 48 %.

(3323) p. 71: *Tricholyga sorbillans* (misid. = *Exorista segregata*) ex *Euproctis chrysorrhoea*. – In the list of Romanian Tachinidae (ŞUSTER 1939: 417) *T. sorbillans* is replaced by *Tricholyga segregata*.

(3324) p. 91: *Eutachina larvarum* (= *Exorista larvarum*) ex *Lymantria dispar*, Ungheni.

(3325) p. 94: *Compsilura concinnata* ex *Pieris brassicae*, Iaşi.

(3326) pp. 95, 158: *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta evonymella* on *Evonymus* (prb. misid. = prb. *H. cognatella*), Şorogari [+ Breazu].

(3327) p. 138: Misquotation from literature: *Meigenia incana* ex *Agelastica alni*, *Chrysomela varians*, *Melasoma tremulae*, *Phytodecta fornicata*, *Ph. rufipes*, *Athalia spinarum* (= *A. rosae*), *Cacoecia* (= *Archips*) *rosana*, *Gymnancyla canella*, LEONARDI. – The eight hosts are listed in the catalogue of LEONARDI 1928: 147, to which ŞUSTER refers, as hosts of *Meigenia bisignata*, not *M. incana*. MESNIL 1962: 706, has unfortunately quoted the misassociated host list from ŞUSTER, with wrong reference to LEONARDI.

(3328–3329) p. 236: The table summarizing the host-parasite records is misprinted. For correct association, the host names *Hyponomeuta evonymella* and *Lymantria dispar* must be placed one line higher:

(3328) *Carcelia lucorum* (identity see above) is recorded not ex *Hyponomeuta evonymella*, but ex *Lymantria dispar*. On p. 95 it is stated that *Discochaeta hyponomeutae* was the only tachinid species reared from *Hyponomeuta*.

(3329) *Actia pilipennis* (ŞUSTER 1928: 260, as *Gymnopareia*) was recorded not ex *Euproctis chrysorrhoea*, but ex *Hyponomeuta evonymella* (= prb. *H. cognatella*). It was a misidentification of *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) and should therefore have been deleted. No host is noted under *Actia pilipennis* in the list of Romanian Tachinidae (ŞUSTER 1939: 418).

THORPE 1930

(3330) p. 403: *Actia nudibasis* ex *Rhyacionia buoliana*, New Forest, Hants. (GB), rare.

VIMMER 1930

Localities in Bohemia, unless otherwise stated.

(3331) p. 54: *Echinomyia fera* (= *Tachina fera*) ex *"Catocala" solidaginis* (= *Calocampa solidaginis*), Petříkov near Budějovic, BAŤA.

(3332) *Micropalpus impudicus* (= *Linnaemyia impudica*) ex *Agrotis* sp. (s. lat.), Velešín near Budějovic, BAŤA.

(3333) *Nemoraea rubrica* (= *Nemoraea pellucida*) ex *Antheraea yamamai*, POKORNY [no locality].

(3334) *Sturmia scutellata* (prb. misid. = prb. *Masicera pavoniae*) ex *Saturnia pyri*, VAVRA. 10 parasites from one host cocoon. – *S. scutellata* is *Blepharipa pratensis*, a solitary parasite.

(3335) *Arrhinomyia innoxia* (prb. misid., identity unknown) ex *Lophyrus* sp. MOKRZECKI (prb. Poland).

ZOLK 1930

(3336) p. 31: *Gonia capitata* ex *Agrotis segetum*, Estonia.

BARANOV 1931

(3337)* p. 29: *Carcelia pilosa* n. sp. (= *Senometopia pilosa*), 1 ♂ in coll. RIEDEL. – This specimen is labelled "ex *Plusia trip.*" (= *Abrostola tripartita*), but the host is not cited by BARANOV. Other data "MüT.06" (locality? collector? 1906).

(3338) p. 45: *Carcelia rasa* ex *Dasychira pudibunda*, numerous, no locality.

BELANOVSKY 1931a

Locality: Kiev prov. (Ukraine). Many of these host records are omitted in the author's two-volume book on the Tachinidae of the Ukraine (1951, 1953). I take this as an indication that the determination was wrong or very doubtful.

(3339) p. 19: *Peleteria nigricornis* (= *Peleteria rubescens*) ex *Euxoa* (= *Agrotis*) *segetum*.

(3340) p. 20: *Linnaemyia comta* ex *Arctia hebe*, one specimen, SHISHKOVSKY [record omitted in 1953, p. 41].

(3341) *Sturmia scutellata* (misid., identity unknown) ex *Arctia caja*, and (3342) *Euproctis chrysorrhoea*. – Both host records are omitted in 1953, p. 55.

(3343) p. 21: *Sturmia bimaculata* (= *Drino inconspicua*) ex *Diprion pini*, (3344) *D. rufus* (= *Neodiprion sertifer*), (3345) *Dendrolimus pini*, and (3346) *Lymantria dispar*. – These four hosts are confirmed in 1953, p. 56.

(3347) *Sturmia bimaculata* (= *Drino inconspicua*) ex *Malacosoma neustria*, and (3348) *Pyrameis* (= *Vanessa*) *atalanta*. – Both host are omitted in 1953.

(3349) *Sturmia bella* ex *Vanessa* (= *Aglais*) *urticae*, (3350) *V.* (= *Inachis*) *io*, (3351) *V.* (= *Araschnia*) *levana*, (3352) *Pyrameis* (= *Vanessa*) *atalanta*, (3353) *Arctia caja* [omitted in 1953, p. 59], and (3354) *Euproctis chrysorrhoea* [omitted in 1953, p. 59].

(3355) *Winthemia quadripustulata* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*. – The record is confirmed in 1953: 66, but the characters given in the key are not appropriate to separate the species.

(3356) p. 22: *Winthemia xanthogastra* (prb. misid. = prb. *Winthemia cruentata*) ex *Sphinx ligustri*.

(3357) *Carcelia gnava* ex *Malacosoma neustria*, and (3358) (misid.? = *Carcelia* sp.) ex *Arctia caja*. – The two host records are transferred from *C. gnava* to *C. rasa* in 1953: 71 (also the figure of the fly head with two pubescent hairs of the arctiid host sticking in the ptilinal suture), but I doubt this redetermination.

(3359) *Carcelia lucorum* ex *Arctia hebe*. – Only this host is confirmed in 1953: 75 (under *Carcelia cheloniae*), the following ones are omitted:

(3360) – – ex *Arctia caja*.

(3361) – – (prb. misid. = *Carcelia* sp.) ex *Malacosoma neustria*.

(3362) – – (prb. misid., identity unknown) ex *Cucullia lactucae*.

(3363) *Carcelia excisa* (misid. = *Senometopia separata*) ex *Lymantria dispar*. – The species *excisa* is omitted in 1953 and the host cited with its Russian name (neparnyi shelkopryad) under *Carcelia separata*, p. 71.

(3364) *C. laxifrons* (prb. misid. = *Carcelia* sp., omitted in 1953) ex *Malacosoma neustria*.

(3365) *C. rutila* (misid. = *Senometopia separata*) ex *Lymantria dispar*, and (3366) *Aporia crataegi*. – The species *rutila* is omitted in 1953, and the two hosts are cited with their Russian names (neparnyi shelkopryad and boyaryshnitsa) under *Carcelia separata*, p. 71.

(3367) *C. rutila* (misid., identity unknown) ex *Malacosoma neustria*. – This host is omitted under *C. separata* in 1953: 71.

(3368) *Carcelia kowarzi* ex *Arctia caja* [species omitted under *Carcelia* in 1953, pp. 69–75].

(3369) *Exorista affinis* (= *Huebneria affinis*) ex *Arctia caja*.

(3370) p. 23: *E. westermanni* (= *Eumea linearicornis*) ex *Euproctis chrysorrhoea*. – The true host was possibly an unnoticed Microlepidoptera larva in the rearing [record omitted in 1953, p. 82].

(3371) *Exorista libatrix* (= *Zenillia libatrix*) ex *Malacosoma neustria*, common, and (3372) ex *Euproctis chrysorrhoea*. – Both records are confirmed in 1953: 85, the hosts cited with their Russian names (kolchatyi shelkopryad and zlatoguska).

(3373) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Lymantria dispar*, 1 specimen. – The true host was possibly an unnoticed Microlepidoptera larva in the rearing.

(3374) *Nemorilla floralis* (= *Nemorilla* sp.) ex *Pandemis ribeana*, and (3375) *Cacoecia* (= *Archips*) *rosana*, Ushinsky.

(3376) p. 24: *Phryxe vulgaris* ex *Plusia gamma*, and (3377) *Melitaea didyma*.

(3378) *Masicera silvatica* (prb. misid. = prb. *Masicera sphingivora*) ex *Deilephila* (= *Celerio*) *euphorbiae*, and (3379) *Dendrolimus pini*.

(3380) p. 25: *Ceromasia florum* (prb. misid., identity unknown) ex *Euproctis chrysorrhoea*, 1 specimen. – Host record omitted in 1953: 106.

(3381) *C. nigripes* (= *Blondelia nigripes*) ex *Agrotis* (s. lat.) sp., (3382) *Malacosoma neustria*, (3383) *Euproctis chrysorrhoea*, (3384) *Cucullia lactucae*, and (3385) *Aporia crataegi*.

(3386) *Erycia longicornis* n. sp. (= *Townsendiellomyia nidicola*) common parasite of *Euproctis chrysorrhoea*. – *Erycia longicornis* is cited as valid species again in 1953: 112, but the rearings from *Euproctis chrysorrhoea* are omitted under this name and cited under *Sturmia* (= *T.*) *nidicola* on p. 57.

(3387) *Pexopsis aprica* is vaguely (and wrongly) assumed to parasitize the snail *Helix pomatia* which was common at the place where the fly was collected. – *P. aprica* is a parasite of adult *Melolontha*.

(3388) p. 26: *Prosopaea scutellaris* (misid., identity unknown) ex *Zygaena carniolica*. – This host record is omitted in 1953: 123.

(3389) *Ptychomyia selecta* (misid. = *Bessa parallela*) ex *Hyponomeuta padella*, common.

(3390) p. 27: *Compsilura concinnata* ex *Lymantria dispar*, (3391) *Malacosoma neustria*, (3392) *Vanessa* (= *Aglais*) *urticae*, and (3393) *Araschnia prorsa* (= *A. levana*).

(3394) *Pales pavida* ex *Euproctis chrysorrhoea*, and (3395) *Malacosoma neustria*.

(3396) *Tritochaeta pullata* (= *Clemelis pullata*) ex *Loxostege sticticalis*, Krishtal.

(3397) *Phorocera agilis* (= *Parasetigena silvestris*) parasite of *Lymantria dispar*, common in connection with the outbreak 1926–1927.

(3398) p. 28: *Tachina larvarum* (= *Exorista larvarum*) ex *Malacosoma neustria*, (3399) *Plusia gamma*, (3400) *Zygaena carniolica*, (3401) *Arctia caja*, (3402) *Sphinx* (= *Deilephila*) *elpenor*, (3403) *Orgyia ericae*, (3404) *Euproctis chrysorrhoea*, and (3405) *Dendrolimus pini*.

(3406) *Tachina fasciata* (= *Exorista fasciata*) ex *Arctia caja* (confirmed 1953: 155, but see no. 3410), and (3407) *Macrothylacia rubi*, both rearings by Shishkin.

(3408) p. 29: *Tachina erucarum* (misid. = *Exorista civilis*) ex *Loxostege sticticalis* (Dnepropetrovsk, Streltsov; Kiev, Krishtal), and (3409) *Euxoa* (= *Agrotis*) *segetum* (host prb. wrong) (Ivanovo near Kharkov, Nikitin).

(3410) *Tricholyga segregata* (= *Exorista segregata*) ex *Arctia caja*. – The species is omitted in 1953, probably because Mesnil 1946: 58, wrongly considered it as a variety of *E. fasciata*.

(3411) p. 30: *Baumhaueria goniaeformis* (misid., identity unknown) ex *Malacosoma neustria*. – Host record omitted in 1953: 167.

(3412) *Histochaeta marmorata* (= *Thelymorpha marmorata*) ex *Arctia caja*.

(3413) *Cnephalia bucephala* (= *Spallanzania hebes*) ex *Euxoa* (= *Agrotis*) *segetum*.

(3414) *Voria ruralis* (misid. or host wrong) ex *Malacosoma neustria*. – Host record omitted in 1953: 171.

(3415) p. 31: *Hebia flavipes* (misid., identity unknown, species omitted in 1953) ex *Hyponomeuta padella*.

(3416) *Discochaeta hyponomeutae* (= *Eurysthaea scutellaris*) ex *Hyponomeuta malinella*. – Confirmed 1953: 203, the host is cited there with its Russian name (yablonnaya mol').

(3417) p. 32: *Thelaira nigripes* (= *Thelaira* sp.) ex *Arctinia caesarea*. – This host is confirmed in 1951: 76. The following two hosts are omitted: (3418) *Arctia hebe*, and (3419) *Lymantria dispar*.

Belanovsky 1931b

(3420) p. 159: *Tachina cinerascens* n. sp. (= *Exorista civilis*), formerly misidentified as *T. erucarum*, parasite of *Loxostege sticticalis*.

(3421) p. 160: *T. fasciata* (= *Exorista fasciata*) ex *Macrothylacia rubi*, Shishkin.

(3422) *T. fallax* (= *Exorista xanthaspis*) ex *Dendrolimus pini*, Lebedev.

Localities in Ukraine.

Brown 1931

Ex *Stilpnotia* (= *Leucoma*) *salicis* in the vicinity of Budapest (Hungary) and near Vienna (Austria), pp. 13–15: (3423)* *Carcelia gnava*, (most important parasite, biology), (3424)* *Tachina larvarum* (= *Exorista larvarum*) (3 %), (3425)* *Pales pavida*, (3426) *Compsilura concinnata* (less common), (3427) *Zenillia*

libatrix (rare in Hungary, more common at Vienna), and (3428) *Phorocera agilis* (= *Parasetigena silvestris*) (only at Vienna, few specimens).

Ex other host species in Hungary, pp. 13–15:

(3429) *Carcelia separata* (= *Senometopia separata*) ex *Porthetria* (= *Lymantria*) *dispar*, 4 specimens ex 93 hosts collected together with *Leucoma salicis* on poplars.

(3430) *Carcelia gnava* ex *P.* (= *L.*) *dispar*, not in that sample, but in one other instance.

(3431) – – ex *Malacosoma neustria*.

(3432)* *Pales pavida* ex *Acronicta tridens*. – I have seen 22 specimens from Czepel, 16.–23.IX.1930.

(3433)* – – (misid. = *Pales processioneae*) ex *Thaumetopoea processionea*. – Galgamácsa, 25.VII.1926, 4 specimens.

(3434)* *Zenillia libatrix* ex hibernating pupae of *Pygaera* (= *Clostera*) *pigra*. – Nagytétény, 4.V.1928.

The specimens seen by me were sent on my request by N. Woodley from USNM.

Burrell 1931

(3435) *Dexia ventralis*, native in Korea, but in captivity effective parasite of the allopatric host *Popillia japonica*. Observations on biology. Introduction in USA for biological control of *P. japonica*.

Chorbadzhiev 1931 see Chorbadzhiev 1930

Esterberg 1931

Ex *Loxostege sticticalis*, Nizhni-Novgorod (= Gorki) prov., p. 289: (3436) *Exorista mitis* (= *Eumea mitis*), (3437) *Larvaevora noctuarum* (misid. = prb. *Exorista civilis*), and (3438) *Pales pavida*.

Faggioli 1931

Tachinidae det. Séguy. Localities in Italy.

(3439)* p. 220: *Meigenia floralis* (misid. = *Cadurcia casta*) ex *Hemerophila* (= *Anthophila*) *nemorana*, Bologna.

(3440)* p. 221: *Tachina larvarum* (misid. = *Exorista xanthaspis*) ex *Brithys pancratii*, Chieti.

(3441)* *Erycia gyrovaga* (misid. = *Drino inconspicua*) ex *Lophyrus* (= *Neodiprion*) *sertifer*, Monterenzio, Emilia. – *E. gyrovaga* is *Drino vicina*.

Fluiter 1931

(3442) p. LXXXVII: *Sturmia inconspicua* (= *Drino inconspicua*) common parasite of *Lophyrus* (= *Diprion*) *pini*, Wageningen (NL).

Gil Collado 1931

(3443) p. 349: *Echinomyia magnicornis* (= *Tachina magnicornis*) ex *Cucullia verbasci*.

(3444)* *Meriania argentifera* (= *Ernestia argentifera*) ex *Abraxas pantaria*.

(3445) *Compsilura concinnata* ex *Euproctis chrysorrhoea*.

(3446)*[Herting has seen material from "Servicio de Plagas Forestales, Madrid" (stored in part in SMNS), but according to the date not the specimens which are listed by Gil Collado] p. 350: *Nemoraea pellucida* ex *Abraxas pantaria*. Figs. 1–3: puparium, total, anterior and posterior spiracles.

(3447) p. 352: *Sturmia atropivora* (= *Drino atropivora*) ex *Sphinx* (= *Hyloicus*) *pinastri*.

(3448) *Winthemia quadripustulata* var. *pruinosa* nov. (= *Winthemia pruinosa*, prb. valid species) ex *Abraxas pantaria*.

(3449) p. 353: *Bactromyia aurulenta* ex *Abraxas pantaria*.

(3450) *Erythrocera scutellaris* (= *Eurysthaea scutellaris*) ex *Abraxas pantaria*.

(3451)* p. 354: *Actia tibialis* (misid. = *Peribaea apicalis*) ex *Prosopolopha jourdanaria*. Fig. 4: puparium.

(3452) *Hypochaeta inepta* (= *Campylochaeta inepta*) ex *Abraxas pantaria*.

Locality: El Escorial near Madrid, Spain.

Goidanich 1931

(3453) p. 180: *Lydella grisescens* (misid. = *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Ferrara and Rovigo, biology.

(3454) p. 184: *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *P.* (= *O.*) *nubilalis*, Rovigo, one specimen.

Hertz 1931

Ex *Lophyrus* (= *Diprion*) *pini*, Käkisalmi (Karelia, Finland) [today Russia, near St-Petersburg], p. 154:

(3455) Tachinid larva pupating in the host cocoon after cutting a lid at one end of it (= *Diplostichus janitrix*).

(3456) Tachinid larva leaving the host cocoon, forming the puparium free in the soil (= *Drino inconspicua* and/or *D. gilva*).

Hukkinen 1931

(3457) p. 80: *Meigenia floralis* (= prb. *Meigenia mutabilis*) ex *Phaedon cochleariae*, Finland.

Kazyakina-Vinogradova 1931

(3458) p. 92: *Ptychomyia selecta* (= *Bessa selecta*) ex *Pristiphora pallipes*, Luga (St. Petersburg prov., Russia), 15 %.

Komárek 1931

(3459) Tab. IV, fig. 9: *Carcelia gnava* (prb. misid. = prb. *Carcelia puberula*) [the identification of *C. puberula* is not possible after the figure] parasite of *Lymantria monacha*, Bohemia.

Kröber 1931

The paper cites again the host records of Beuthin 1887 and Kröber 1910 and includes many data from Bezzi 1907 and Lundbeck 1927. The following information is added:

(3460) p. 89: *Argyrophylax bella* (= *Sturmia bella*) ex *Acronicta tridens*. – The parasite was misidentified by Kröber 1910: 60, as *Sturmia* (= *Drino*) *atropivora*.

(3461) *Winthemia ligustri* (= *Winthemia cruentata*) ex *Sphinx ligustri*. – The parasite was misidentified by Kröber 1910: 61, as *W. quadripustulata*.

(3462) – – (prb. misid. = prb. *Winthemia quadripustulata*) ex *Cucullia argentea*.

(3463) *Carcelia rutilla* (= *Senometopia pollinosa*) ex *Bupalus piniarius*.

(3464) *C. lucorum*, det. Stein (prb. misid. = prb. *Carcelia gnava*) ex *Stilpnotia* (= *Leucoma*) *salicis*, Sylt.

(3465) p. 90: *Exorista glauca* (= *Phebellia glauca*, or misid.) ex *Saperda populnea*. – The host is impossible for *P. glauca*.

(3466) *E. magnicornis* (= *Eumea linearicornis*) ex *Calymnia* (= *Cosmia*) *affinis*. – Published already by Baer 1921: 147 [= no. 2400].

(3467) *Nemorilla maculosa* (misid.? = *Nemorilla* sp.) ex *Depressaria applana*.

(3468) p. 91: *Megalochaeta conspersa* (= *Smidtia conspersa*) ex *Taeniocampa pulverulenta* (= *Orthosia cruda*), and (3469) *T.* (= *O.*) *stabilis*, Bremen. – Both records published already by Baer 1921: 149 [= nos. 2403, 2402].

(3470) *Blepharidopsis nemea* (= *Phryxe nemea*) ex *Calymnia* (= *Cosmia*) *pyralina*, (3471) *Abraxas grossulariata*, and (3472) *Taeniocampa pulverulenta* (= *Orthosia cruda*).

(3473) *Zenillia libatrix* ex *Malacosoma neustria*.

(3474) p. 92: – – ex *Thaumetopoea processionea*.

(3475) *Dexodes nigripes* (= *Blondelia nigripes*) ex *Cucullia argentea*, and (3476) *Eupithecia innotata*.

(3477) p. 93: *Prosopodes fugax* (= *Bessa parallela*) ex *Cheimatophila* (= *Tortricodes*) *tortricella*.

(3478) p. 94: *Pales pumicata* (misid. = prb. *Pales processioneae*) ex *Thaumetopoea processionea*.

(3479) p. 96: *Tricholyga grandis* (= *Exorista grandis*) ex *Macrothylacia rubi*.

(3480) p. 98: *Actia crassicornis* ex *Depressaria cinctella*, and (3481) *D. applana*.

(3482) p. 99: *Actia nudibasis* ex *Retinia* (= *Petrova*) *resinella*.

(3483) *A. tibialis* (prb. misid. = prb. *Peribaea apicalis* or *P. fissicornis*) ex *Boarmia* "*cibaria*" (= *B. cinctaria*).

Localities in NW Germany.

LEBEDYANSKAYA 1931

Ex *Loxostege sticticalis*, Voronesh prov., Russia: (3484) *Eutachina erucarum* (misid. = *Exorista civilis*), and (3485) *Tritochaeta polleniella* (= *Clemelis pullata*). – Cited from Review of applied Entomology 19: 522.

[MARÉCHAL 1931, see TSCHORSNIG 2017]

MARTELLI 1931

(3486) p. 229: *Tricholyga segregata* (= *Exorista segregata*) ex *Aporia crataegi*, prov. Foggia (I), 4 %.

(3487) p. 230: *Compsilura concinnata* ex *A. crataegi*, Acerra, prov. Napoli.

MATSUMURA 1931

Localities in Japan, not specified. The host names are cited only in Japanese. I am indebted to H. SHIMA for the following translation. [SHIMA 2006 cites the majority of records from YOKOYAMA 1929 instead of MATSUMURA 1931.]

(3488) p. 384: *Carcelia excisa* (prb. misid. = prb. *Senometopia separata*) ex *Lymantria dispar* [record not listed by SHIMA 2006, pp. 64, 66].

(3489) p. 385: *Crossocosmia sericariae* (= *Blepharipa sericariae*) ex *Bombyx mori*, (3490) *B. mandarina* [record not listed by SHIMA 2006, p. 11], (3491) *Philudoria albomaculata* [record not listed by SHIMA 2006, p. 11], and (3492) *Euproctis similis* [record not listed by Shima 2006, p. 11].

(3493) *Gonia fuscipes* (= *Gonia chinensis*) ex *Lymantria mathura aurora* [see comment of SHIMA 2006, p. 40].

(3494) *G. picea* Matsumura (not Rob.-Desv. = *Gonia divisa*) ex *Lymantria dispar*. – This host relation is very questionable [record not listed by SHIMA 2006, p. 40].

(3495) p. 387: *Pales pavida* ex *Camptoloma interiorata* [record not listed by SHIMA 2006: 40; the host is mentioned by TAKANO 1956 under *Pales townsendi* (misid. = *Pales carbonata* according to SHIMA 2006: 52)].

(3496) p. 388: *Tachina larvarum* (prb. misid. = prb. *Exorista japonica*) ex *Lymantria dispar* [record not listed by SHIMA 2006, pp. 34–36].

MENOZZI 1931

(3497) p. 52: *Rondania dimidiata* (prb. misid. = *Rondania cucullata*, see no. 2439) common parasite of adult *Larinus scolymi*, Italy. Leaving the host at the end of September, overwintering as puparium in the soil.

POPOV 1931

Ex *Euxoa* (= *Agrotis*) *segetum*, Saratov prov. (Russia), p. 234: (3498) *Tachina larvarum* (= *Exorista larvarum*) (scarce), and (3499) *Phryxe vulgaris* (one specimen).

[PUSSARD 1931, see TSCHORSNIG 2017]

PUSTOVOIT 1931

(3500) pp. 242, 243: *Exorista libatrix* (= *Zenillia libatrix*) ex *Thaumetopoea processionea*, Pervomaisk (Ukraine).

PUZYRNYI 1931

Ex *Scotogramma* (= *Discestra*) *trifolii*, North Caucasus region, SHCHEGOLEV, p. 273: (3501) *Voria trepida* (prb. misid. = prb. *Athrycia impressa* or *A. curvinervis*), (3502) *Tachina larvarum* (= *Exorista larvarum*), and (3503) *Cnephalia hebes* (= *Spallanzania hebes*).

RIEDEL 1931

(3504)* p. 397: *Ernestia rudis* ex *Agrotis* (= *Amathes*) *C-nigrum*, BOLDT.

(3505) *Winthemia ligustri* (= *Winthemia cruentata*) ex *Sphinx ligustri*, AUE.

(3506) *Carcelia gnava* ex *Dasychira pudibunda*, Spessart near Lohr/Main, STADLER, and Frankfurt, Stadtwald, 18 specimens.

(3507)* *Carcelia excisa* (misid. = *Carcelia bombylans*) ex *Spilosoma lubricipeda* (= *S. lutea*), AUE.

(3508) p. 398: *Carcelia rutilla* (prb. misid., identity unknown) ex *Dasychira pudibunda*, 1 ♂, 1 ♀, BOLDT.

(3509)* *Carcelia cheloniae* (misid. = *Carcelia dubia*) ex *Hipocrita* (= *Tyria*) *jacobaeae*, BOLDT.

(3510) *Exorista affinis* (= *Huebneria affinis*) ex *Phragmatobia fuliginosa*, BOLDT.

(3511)* *Eupogona setifacies* (= *Buquetia musca*) ex *Papilio machaon*, AUE.

(3512) p. 399: *Voria trepida* (= *Athrycia curvinervis* or *A. impressa*) ex *Agrotis* (= *Amathes*) *C-nigrum*, BOLDT. – The emerging date 16.VI. is too late for *A. trepida* which appears earlier in spring.

(3513) *Dexodes nigripes* (= *Blondelia nigripes*) ex *Celerio euphorbiae*, AUE, (3514) *Callopistria purpureofasciata* (= *C. juventina*), BOLDT, and (3515) *Phragmatobia fuliginosa*, BOLDT.

(3516)* *Bactromyia aurulenta* ex *Hylophila* (= *Bena*) *prasinana*, AUE.

(3517) *Compsilura concinnata* ex *Demas* (= *Colocasia*) *coryli*, (3518) *Acronicta aceris*, both AUE, (3519), *A. alni*, BOLDT, (3520) *A. psi*, (3521) *Phalera bucephala*, (3522) *Pieris brassicae*, the last three records from Teplitz-Schönau (= Teplice, Bohemia), HOLLAS.

(3523) *Tachina larvarum* (facial bristles ascending far upwards = prb. *Exorista fasciata*) ex *Macrothylacia rubi*, AUE.

(3524) *Wagneria carbonaria* (sensu Stein = *Ramonda prunaria*) ex *Leucania comma*, AUE.

(3525)* p. 400: *Actia silacea* (= *Ceromyia silacea*) ex *Erastria fasciana* (= *Lithacodia pygarga*), BOLDT.

(3526) *Eurysthaea scutellaris* ex *Hylophila* (= *Bena*) *prasinana*, AUE.

(3527) *Masicera pratensis* (prb. misid. = prb. *Masicera sphingivora*) ex *Celerio euphorbiae*, 4 ♀♀, Frankfurt/Main. It is admitted that female *Masicera* could hardly be identified to species level with the key of STEIN 1924.

(3528) *M. silvatica* (sensu Stein = *Masicera sphingivora*) ex *Celerio euphorbiae*, 54 ♂♀, AUE.

Localities near Frankfurt/Main, unless otherwise stated.

ROHDENDORF 1931

(3529) *Prosopaea deserticola* (= *Palesisa deserticola*) ex *Laphygma* (= *Spodoptera*) *exigua*, Bairam-Ali, Turkmenia. Fig. 1: ♂ hypopyg. Figs. 2–3: mouth-hooks 2nd and 3rd stage. Fig. 4: puparium, and fig. 5: its hind spiracles.

SCHIMITSCHEK 1931

Parasite puparia dug out from the soil in a mass-outbreak of *Panolis flammea*, Nieder-Fladnitz (Austria), p. 404:

(3530) *Panzeria rudis* (= *Ernestia rudis*), 3094 specimens.

(3531) *Phryxe erythrostoma*, 9 specimens. – This number could have developed in 1 or 2 larvae of the normal host *Hyloicus pinastri*.

(3532)* *Blepharomyia pagana* (sensu Stein = *Blepharomyia angustifrons*), 1 specimen. – The exact life-history of this tachinid is unknown, its normal host is probably different, but the possibility that it exceptionally attacks young caterpillars of *P. flammea* is not excluded.

SICARD 1931

(3533) p. 158: *Degeeria luctuosa* (= *Medina luctuosa*) parasite of adult *Haltica ampelophaga*, S. France.

(3534) p. 160: – – (prb. misid. = prb. *Medina separata*) ex adult *Agelastica alni*, Pyrenées.

STEINER 1931

Ex Kiefernspanner (= *Bupalus piniarius*) in Mecklenburg (D), p. 605: (3535) *Lydella nigripes* (prb. misid. = prb. *Blondelia piniariae*), and (3536) *Carcelia rutilla* (= *Senometopia pollinosa*).

[TAKANO 1931a+b, see SHIMA 2006]

VILLENEUVE 1931a

(3537) p. 51: *Carcelia processioneae* (= *Carcelia iliaca*) ex Processionaire du Pin (= *Thaumetopoea pityocampa*), S. France.

(3538) p. 58: *Tricholyga nova* (= *Exorista nova*) ex *Zygaena trifolii*, PONTOIS, Vannes (Bretagne, France). – Published already by RIEDEL 1930: 264.

(3539) p. 64: *Sarromyia nubigena* ex *Oreopsyche leschenaulti*, Pyrénées.

VILLENEUVE 1931b

(3540)* p. 36: *Histochaeta inconspicua* (= *Gymnophryxe inconspicua*) ex *Orgyia dubia turcica*, Anatolia (TR).

VUKASOVIĆ 1931

Not seen by me in original [seen by HPT]. The information given here in Serbian language is published by VUKASOVIĆ 1932a and 1933 in French [the information is published by VUKASOVIĆ 1932b (see TSCHORSNIG 2017)].

ZORIN 1931

(3541) p. 78: *Meigenia bisignata* (= *Meigenia* sp.) parasite of *Galerucella* (= *Pyrrhalta*) *viburni*, in laboratory.

ZWÖLFER 1931

Ex *Eurygaster integriceps* in Southern Turkey, det. ENGEL, p. 236: (3542) *Phasia crassipennis* (prb. misid. = prb. *Ectophasia oblonga*), 5 %, and (3543) *Clytiomyia helluo* (= *Heliozeta helluo*), rare.

ALDRICH 1932

(3544) p. 23: *Trophops clauseni* n. sp. (= *Pexopsis clauseni*) ex adult *Popillia japonica*, Japan.

BABEL 1932

Ex *Euproctis chrysorrhoea*, Nordrhein prov. (D), det. ENGEL: (3545) *Lydella nigripes* (= *Blondelia nigripes*), and (3546) *Carcelia lucorum* (prb. misid. = prb. *Carcelia laxifrons*).

BARANOV 1932

(3547) p. 62: *Eutachina civilis* (= *Exorista civilis*) most important parasite of *Loxostege sticticalis* in Serbia, GRADOJEVIĆ, VUKASOVIĆ, MIKRINA, and in Croatia, KOVAČEVIĆ. Fig. 3: ♂ hypopygium.

BISHARA 1932

(3548) p. 37: *Gonia capitata* ex *Agrotis ypsilon* pupae, Egypt, maximum parasitism in a cotton field at Gîza 52 %.

FAGGIOLI 1932

Tachinidae det. VILLENEUVE, unless otherwise stated.

(3549) p. 89: *Eurysthaea scutellaris* ex *Tortrix forskaleana*, Bologna.

(3550)* *Exorista confinis*, det. SÉGUY (misid. = *Pseudoperichaeta nigrolineata*), ex *Rhyacionia buoliana*, Marano sul Panaro, prov. Modena.

(3551) p. 90: *Sturmia vanessae* (= *Sturmia bella*) ex *Vanessa* (= *Aglais*) *urticae*, Trentino.

(3552) *Sturmia atropivora* (= *Drino atropivora*) ex *Acherontia atropos*, Bologna.

(3553) *Ceratochaeta caudata* (prb. misid. = prb. *Phryxe semicaudata*) ex *Thaumetopoea processionea*, Bologna.

(3554) p. 91: *Compsilura concinnata* ex *Phalera bucephala*, Bologna.

(3555)* *Masicera silvatica*, det. SÉGUY (misid. = *Masicera pavoniae*), ex *Saturnia pyri*, Bologna, ca. 20 parasites from one host larva.

FLUITER 1932a

Ex *Pteronus* (= *Diprion*) *pini*, Ede (Gelderland, NL), Bakel and Dorst (Brabant, NL), pp. 186–187:

(3556) *Sturmia inconspicua* (= *Drino inconspicua*), most common species. – Published also by FLUITER 1932b: XLIV, and 1934b: 84.

(3557) *Diplostichus tenthredinum* (= *Diplostichus janitrix*). – Published also by FLUITER 1932c: 417, and 1934b: 84.

FRIEDERICHS 1932

(3558) pp. 137–138, 143: *Phryxe erythrostoma*, det. KARL, ex Kiefernschwärmer (= *Hyloicus pinastri*), Kaliss (SW Mecklenburg), Staakow (Mark Brandenburg).

GÖSSWALD 1932, see MEIJERE 1930

LÉPINEY & MIMEUR 1932

Localities in Morocco, tachinids det. VILLENEUVE.

(3559) p. 112: *Sturmia vicina* (= *Drino vicina* or misid. = *D. galii*) ex *Hippotion celerio*, Rabat.

(3560) *Sturmia atropivora* (= *Drino atropivora*) ex *Acherontia atropos*, Forêt de la Mamora and Rabat.

(3561) p. 113: *Baumhaueria goniaeformis* ex *Lasiocampa trifolii*, Forêt de la Mamora.

(3562) *Salia echinura* (= *Chaetogena obliquata*) ex *L. trifolii*, Rabat.

(3563) *Uclesia fumipennis* ex *Chondrostega maghrebica*, Marrakesh [repeated by LÉPINEY 1930b = no. 3261].

(3564) *Pseudogonia cinerascens* (= *Pseudogonia rufifrons*) ex *Laphygma* (= *Spodoptera*) *exigua*, common, Zemmour, Mamora, Rabat.

MARTELLI 1932

(3565) p. 331: *Meigenia mutabilis* ex *Athalia colibri* (= *A. rosae*), near Taranto (S Italy), 20 ex 29 hosts.

NICHOLSON 1932

(3566) p. 10: *Nemorilla floralis* ex *Cacoecia* (= *Cacoecimorpha*) *pronubana*, Eastbourne (Sussex, GB).

OKAJIMA & TAKEDA 1932

(3567) p. 276: *Chaetexorista javana* (misid. = *Chaetexorista* sp. undescribed, pers. comm. by H. SHIMA) [= *Chaetexorista pavlovskyi* (Stackelberg, 1943) according to RICHTER 2004]

parasite of *Cnidocampa flavescens*, Nagano and Gifu provinces, Japan, locally up to 60 %.

RICHARDS 1932

(3568) p. 11: *Carcelia bombylans* (prb. misid. = prb. *Carcelia gnava*) [not *C. gnava*, but *C. atricosta*, BELSHAW (pers. comm.)] ex *Clisiocampa* (= *Malacosoma*) *neustria*, Bagley Wood (Berkshire) and London.

(3569) *Tricholyga sorbillans* (misid. = *Exorista grandis*) ex *Saturnia pavonia*, Zennor, Cornwall.

(3570) *Compsilura concinnata* ex *Biston* (= *Lycia*) *hirtaria*, and (3571) *Acronicta aceris*, both Hampstead, Middlesex.

(3572) *Winthemia quadripustulata* attacking *Biston* (= *Lycia*) *hirtaria*, London.

RIPPER 1932

(3573) p. 187: *Phorocera agilis* (sensu Stein = *Parasetigena silvestris*) common parasite of *Lymantria dispar*, Burgenland (E Austria), up to 30 %.

RŮŽIČKA 1932

Ex mniška (= *Lymantria monacha*), 1915–1926 in Moravia, p. 137: (3574) *Parasetigena segregata* (= *Parasetigena silvestris*), very common. (3575) *Peleteria prompta* (misid. = *Peleteria rubescens*), (3576) *Chaetogena caesifrons* (= *Phorocera obscura*), and (3577) *Masicera* sp.

Ex litter in forests defoliated by *L. monacha*, 1920–1922 in Bohemia and Moravia, pp. 137–138: (3578) *Parasetigena segregata* (= *Parasetigena silvestris*) (Lány, Hořovice, Vrané, Třebíč, very common), (3579) *Hemimasicera festinans* (prb. misid. = *Erycilla ferruginea*) (Hořovice, common; hosts prb. tipulid larvae), (3580) *Ernestia rudis* (Lány, Vrané; host prb. not *L. monacha*), (3581) *Sturmia scutellata* (= *Blepharipa pratensis*) (Vrané; questionable), and (3582) *Thelaira leucozona* (prb. misid. = *Thelaira* sp.) (Hořovice; questionable).

Ex puparia in the litter, spring 1931, Milevsko, p. 137: (3583) 52 *Parasetigena segregata* (= *Parasetigena silvestris*), (3584) 3 *Phryno vetula* (host questionable), and (3585) 1 *Erycia fatua* (prb. misid. = *Erycilla ferruginea*) (host prb. tipulid larvae).

SÉGUY 1932

(3586) p. 34: *Acemyia acuticornis* (?misid.) ex immature *Stenobothrus* sp., Hyères (Var), SURCOUF. – The specimen has been redetermined as *Acemyia calloti* (= *Metacemyia calloti*) by SÉGUY 1936: 325, but this is questionable and not confirmed by LÉONIDE 1969: 111.

SITOWSKI 1932

Ex *Panolis flammea* in Silesia, Poland, pp. 167–168:

(3587) *Sturmia inconspicua* (= *Drino inconspicua*), rare.

(3588) *Lydella nigripes* (= *Blondelia nigripes* or misid. = *B. piniariae*), rare. – *B. piniariae* is a specific parasite of of *Bupalus piniarius* which may have been accidentally present in the rearing.

(3589) *Pales pavida*, common parasite in 1930.

(3590) *Ernestia rudis*, less common.

(3591) *Phryxe vulgaris* (or misid., *P. erythrostoma*), rare. – *P. erythrostoma* is a specific parasite of *Hyloicus pinastri* which may have been accidentally present in the rearing.

(3592) *Lydina aenea* (prb. misid. = prb. *Elodia morio*), 1 specimen. – *E. morio* is a parasite of various Microlepidoptera which may have been accidentally present in the rearing. See below.

(3593) *Echinomyia magnicornis* (= *Tachina magnicornis*), uncommon.

Ex another host species, p. 168:

(3594) *Lydina aenea* (prb. misid. = prb. *Elodia morio*) ex *Acrobasis zelleri*.

SPERRING 1932

(3595) p. 17: *Phryno vetula* ex pupa *Taeniocampa* (= *Orthosia*) *miniosa*, Hants.

[ŞUSTER 1932, see TSCHORSNIG 2017]

USTINOV 1932

Ex *Agrotis segetum* and *A. ypsilon*, p. 17: (3596) *Cnephalia bucephala* (= *Spallanzania hebes*) (ex pupae first host generation), (3597) *Peleteria nigricornis* (= *Peleteria rubescens*) (ex larvae second generation), and (3598) *Wagneria migrans* (= *Periscepsia carbonaria*) (ex larvae first and second generation).

Ex *Agrotis puta*: (3599) *W. migrans* (= *P. carbonaria*), 1 specimen.

Locality: Abkhazia (Transcaucasia).

VIMMER 1932

Rearings in Czechia. The following hosts are not yet recorded in previous publications of the author:

(3600) p. 130: *Carcelia excisa* (prb. misid. = prb. *Carcelia puberula*) ex *Lymantria monacha*.

(3601) – – (prb. misid. = prb. *Carcelia bombylans*) ex *Phragmatobia fuliginosa*.

(3602) p. 135: *Phryno vetula* ex *Lymantria monacha*, Milevsko. (= RŮŽIČKA 1932, no. 3584).

(3603) p. 136: *Phryxe vulgaris* (prb. misid. = prb. *Huebneria affinis*) ex *Arctia caja*.

VUKASOVIĆ 1932a

(3604) pp. 137–142: *Discochaeta cognata* (= *Eurysthaea scutellaris*) common parasite of *Hyponomeuta malinella*, Serbia. Fig. 21: puparium besides the remnants of the host or inside the empty host pupa. Figs. 22–24: reproductive organs ♀, young and gravid. More than 1600 eggs (microtype) in the uterus. pp. 180–182, Tabs. I–III: Daily numbers of adults emerged in the rearings.

(3605) p. 175: *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *Hyponomeuta malinella*, Serbia, 1 specimen.

VUKASOVIĆ 1932b

(3606) p. 47: *Eutachina civilis* (= *Exorista civilis*) ex *Phlyctaenodes* (= *Loxostege*) *sticticalis*, Veliko Selo near Belgrade, Serbia, 20 % [see also BARANOV 1932, no. 3547].

WAINWRIGHT 1932

(3607) p. 407: *Masicera pratensis* ♂ (= *Masicera pavoniae*) ex *Saturnia carpini* (= *S. pavonia*), FENN.

(3608) *M. ?silvatica* ♀ (prb. misid. = prb. *Masicera pavoniae*) ex *Pieris brassicae*, WINKLEY. – See BILLUPS 1891a, b, c (no. 923).

(3609) p. 415: *Actia nudibasis* ex *Rhyacionia buoliana*, Suffolk, THORPE.

WEBBER 1932

(3610) pp. 193–194: *Sturmia inconspicua* (= *Drino inconspicua*) parasite of *Porthetria* (= *Lymantria*) *dispar*, F, B, A, D, PL (at Rembertów 10 % parasitization), H, CS, YU, P, life history. Fig. 3: 1st stage. Fig. 4: 2nd stage. Fig. 5: 3rd stage. Fig. 6: puparium.

(3611) p. 199: *Sturmia inconspicua* (= *Drino inconspicua*) parasite of *Lophyrus* (= *Diprion*) spp. and *Dendrolimus pini*, (3612) p. 206: ex *Trichiocampus viminalis*, (3613), *Pygaera* (= *Clostera*) *pigra*, (3614) *Plusia gamma*, and (3615) *Agrotis* (= *Amathes*) *c-nigrum*.

ZORINA 1932

(3616) p. 147: *Nemorilla* or *Thyella floralis* (= *Nemorilla* sp.) ex *Depressaria depressella*, Kayalsk.

ZWÖLFER 1932

Ex *Eurygaster integriceps*, Southern Turkey (Cilicia), pp. 184–186: (3617 = 3542) *Phasia crassipennis* (prb. misid. = prb. *Ectophasia oblonga*), 5–12 %, and (3618 = 3543) *Clytiomyia helluo* (= *Heliozeta helluo*), only 2 specimens.

ALDRICH 1933

(3619) p. 20: *Elodia tragica* (= *Elodia morio*) ex *Carpocapsa* (= *Cydia*) *pomonella*, Saxony (= Sachsen, D), RÜHL.

Ex *Grapholitha molesta*, pp. 21–22:

(3620) *Elodia flavipalpis* n. sp., Japan (Honshu, Kyushu), Korea.

(3621) *E. subfasciata* n. sp. (= *Elodia morio*), Yamagata prov. (Honshu, Japan).

(3622) *Phorocera pumilio* n. sp. (= *Pseudoperichaeta nigrolineata*), Korea, Japan (Honshu).

AUDCENT 1933

Reared by Dvs = W. B. DAVIS at Stroud (Gloucestershire). BTLT = C. BARTLETT at Portishead (Somerset). WATK = C. J. WATKINS at Painswick (Gloucs.).

(3623) p. 359: *Actia anomala* (= *Ceranthia abdominalis*) ex *Leucophthalma* (= *Cosymbia*) *annulata*, Dvs.

(3624) *A. crassicornis* (prb. misid. = prb. *Actia pilipennis*) ex *Pterophorus* (= *Leioptilus*) *lithodactylus* (Dvs), (3625) *Phtheochroa rugosana* (Dvs), (3626) *Cacoecia* (= *Archips*) *xylosteana* (Dvs), and (3627) *C.* (= *A.*) *podana* (Bristol, A. E. HUDD).

(3628) *A. frontalis* (= *Actia lamia*) ex *Eucosma pflugiana* (= *Epiblema scutulana*), Dvs.

(3629) *Carcelia comata* (= *Carcelia lucorum*) ex *Arctia* (= *Parasemia*) *plantaginis*, Bristol, B. N. BLOOD.

(3630) – – ex *Arctia caja*, WATKINS, W. R. TAYLOR, H. WOMERSLEY, and WAIN.

(3631) – – (misid. = *Carcelia gnava*, det. R. BELSHAW) ex *Clisiocampa* (= *Malacosoma*) *neustria*, BTLT.

(3632)* – – (misid. = *Nilea hortulana*, immature adult, uncoloured and shrivelled) ex *Orgyia antiqua*, BTLT.

(3633)* *Carcelia rutilla* (prb. misid. = prb. *Senometopia intermedia*) ex *Abraxas sylvata*, WATKINS. [HERTING indicates that the material was seen and redetermined (*), but he nevertheless states "prb. misid.". Perhaps it is meant that BELSHAW (pers. comm.) has seen material in CMBK and identified it as *Senometopia pollinosa*, but he nevertheless does not mention the host in BELSHAW 1993.]

(3634) *Craspedothrix zonella* (misid. = *Elfia cingulata*) ex *Dasycera* (= *Esperia*) *sulphurella*, Dvs.

(3635) *Exorista fimbriata* (misid., identity unknown) [HERTING 1960: 91 identified it as *Phryxe* sp. (prb. *longicauda*)] ex *Zygaena filipendulae*, Dvs.

(3636) *E. glauca* (= *Phebellia glauca*, or misid.) ex *Acronicta psi*, Dvs.

(3637)* *E. hortulana* (= *Nilea hortulana*) ex *Acronicta alni*, BTLT.

(3638) *E. tritaeniata* (= *Cadurciella tritaeniata*) ex *Thecla* (= *Callophrys*) *rubi*, Dvs.

(3639)* p. 360: *Larvaevora fasciata* (= *Exorista fasciata*) ex *Zygaena filipendulae*, BTLT.

(3640) *Nemorilla floralis* ex *Notarcha* (= *Sylepta*) *ruralis*, Clevedon (Somerset), BECK.

(3641) *Neopales pavida* (= *Pales pavida*) ex *Arctia caja*, BTLT. [R. BELSHAW (pers. comm.) found material in CMBK from Bristol, Long Ashton, coll. "BlaJ" = AUDCENT 1933 record?]

(3642) – – ex *Pterophorus* (= *Leioptilus*) *lithodactylus*, Dvs.

(3643) *Phryxe nemea* ex *Vanessa atalanta* (WATK) and (3644) *Abraxas grossulariata* (BTLT).

(3645)* p. 361: *Phytomyptera nitidiventris* (= *Phytomyptera nigrina*) ex *Adaina microdactyla*, Dvs.

(3646) *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *Hyponomeuta cognatella*, Cirencester (Gloucs.), A. T. THORNLEY.

(3647) *Tricholyga sorbillans* (= prb. *Exorista grandis*) ex *Saturnia pavonia*, BTLT. [Material which R. BELSHAW (pers. comm.) found in CMBK from the collector BARTLETT was from Cornwall, Port Isaac.]

(3648) *Zenillia roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Scythropia crataegella*, Dvs. [Doubtful record because AUDCENT 1942 lists the host only under *Eurysthaea scutellaris*, and gives the source as "?".]

Besides these records, the names of "the usual hosts" are given ("On …") without sources. Some of them are not found in preceding literature and must therefore be cited and commented here:

(3649) p. 360: *Lydella griscescens* on *Clisiocampa* (= *Malacosoma*) *neustria*. – This record is almost certainly wrong. Cited by AUDCENT 1942 in the host-parasite list (p. 17) under *M. neustria* with reference to 29 (*L. grisescens*), but omitted in the parasite-host list, where the sources are cited. The source thus remains unknown.

(3650) *Lypha dubia* on *Eriogaster* (= *Poecilocampa*) *populi*. – A misquotation. AUDCENT 1942, p. 11, lists as sources: B. (BAER 1921), Br. (BRAUER & BERGENSTAMM 1894), K. (KERTESZ = BEZZI 1907), L. (LUNDBECK 1927), but all these authors cite the host *Melasoma populi* (Col. Chrysomelidae, see no. 556), not *Poecilocampa populi* (Lep. Lasiocampidae).

(3651) *Micropalpus vulpinus* (= *Linnaemyia vulpina*) on *Hadena* (= *Dipterygia*) *scabriuscula*. – Omitted (deleted or forgotten?) in AUDCENT 1942.

(3652) *Neopales pavida* (= *Pales pavida*) on *Monima* (= *Orthosia*) *miniosa*. – Cited by AUDCENT 1942, p. 3, host 163, sources A. (AUDCENT) and Bl. (BLAIR, unpublished). [This is prb. the material from Pourtsmouth which R. BELSHAW (pers. comm.) found in CMBK (coll. A. H. SPERRING).]

(3653) – – on *Polia* (= *Dryobotodes*) *protea*. – Cited by AUDCENT 1942, p. 3, host 130, source Bl. (BLAIR, unpublished).

(3654) *Phryxe vulgaris* from *Argynnis euphrosyne*. – Cited by AUDCENT 1942, p. 5, host 17, with ? as source (not noted nor remembered).

(3655) – – from *Lycaena* (= *Polyommatus*) *coridon*. – Cited by AUDCENT 1942 in the host-parasite list (p. 16) under *L. coridon* with reference to 27 (*P. vulgaris*), but omitted in the parasite-host list, where the sources are cited.

CARTWRIGHT 1933

(3656) *Ceromasia lepida* (misid. = *Lydella thompsoni*) parasite of *Pyrausta* (= *Ostrinia*) *nubilalis*, Japan (Kyushu to Hokkaido), Korea, Manchuria.

CHORBADZHIEV 1933

Ex *Porthetria* (= *Lymantria*) *dispar*, Vetren (prov. Kazanlik, Bulgaria), pp. 64–65, collection of parasites for introduction in USA by CROSSMAN and WEBBER: (3657) *Sturmia scutellata* (= *Blepharipa pratensis*), (3658) *Phorocera agilis* (= *Parasetigena silvestris*), (3659) *Tachina larvarum* (= *Exorista larvarum*), (3660) *Compsilura concinnata*, (3661) *Carcelia separata* (= *Senometopia separata*), and (3662) *Tricholyga segregata* (= *Exorista segregata*).

CLAUSEN et al. 1933

(3663) pp. 5–7: *Centeter cinerea* (= *Istochaeta aldrichi*) parasite of adult *Popillia japonica*, not only in Northern Japan, but also in Tokyo-Yokohama area, percentage, biology.

(3664) pp. 8–10: *Hamaxia incongrua* parasite of adult *P. japonica*, up to 41 % in Hashimoto. Fig. 4A–E: 2nd stage larva. – Other hosts in Central Japan: (3665) *Anomala rufocuprea*, (3666) *A. orientalis*, and (3667) *Adoretus tenuimaculatus*. – Hosts in China: (3668) *Popillia castanoptera* (misid. = *P. quadriguttata*, see GARDNER & PARKER 1940: 2), (3669) *P. chinensis*, (3670) *P. cyanea*, (3671) *P. mutans*[, and *P. pustulata*].

(3672) pp. 10–11: *Eutrixopsis javana* rare or absent as parasite of adult *P. japonica* in Japan.

(3673) p. 11: *Pexomyia genalis* (= *Erythrocera genalis*) ex adult *P. japonica*, Central Japan, rare.

(3674) pp. 11–12: *Trophops clauseni* (= *Pexopsis clauseni*) ex adult *P. japonica*, near Tokyo, 1–2 %. Fig. 6A, B: 3rd stage larva. Fig. 7: adult.

pp. 20–25: *Dexia ventralis* parasite of scarabaeid larvae in Korea:

(3675) – – *Miridiba koreana*, host of the first (overwintering) generation.

(3676) – – *Popillia castanoptera* (misid. = *P. quadriguttata*, see GARDNER & PARKER 1940: 2), host of the first and second generation.

(3677) – – *Serica* spp., hosts of the third generation.

(3678) – – not *Phylopertha* spp. The parasite larva accepts this host, but is killed in the 1st or early 2nd stage by phagocytic reactions of the host body.

pp. 25–27: *Prosena siberita* parasite of scarabaeid larvae at Koiwai, N Honshu: (3679) ex *Popillia japonica*, (3680) *Serica* sp., and (3681) *Anomala* sp.

COCKAYNE & HAWKINS 1933

(3682) p. 39: *Pales pavida* ex *Acosmetia caliginosa*, Hampshire (GB).

DOWDEN 1933

(3683) *Lydella nigripes* (= *Blondelia nigripes*) ex *Porthetria* (= *Lymantria*) *dispar*, Hungary, Poland, Yugoslavia, Austria.

(3684) – – ex *Nygmia phaeorrhoea* (= *Euproctis chrysorrhoea*), Hungary, Yugoslavia, Austria. Life history. Fig. 1A–B: adult and puparium. Fig. 2A–E: 1st stage. Fig. 3A–E: 2nd stage. Fig. 4A–F: 3rd stage. Fig. 5A: ♂ reproductive organs; C: pupal respiratory apparatus. Fig.6A–C: ♀ reproductive organs.

(3685) *Lydella piniariae* (= *Blondelia piniariae*) common parasite of *Bupalus piniarius*, NW Poland and W Ukraine. Life history. This species does not develop beyond the 1st stage in summer (p. 988). Fig. 5B: pharyngeal skeleton of 1st stage.

(3686) p. 965: *L.* (= *B.*) *nigripes* ex field hosts in Hungary: (3687) *Abrostola tripartita*, (3688) *Arctia caja*, (3689) *Malacosoma neustria*, (3690) *Porthesia* (= *Euproctis*) *similis*, (3691) *Polia* (= *Discestra*) *trifolii*, (3692) *Thaumetopoea processionea*, (3693) *Vanessa* (= *Aglais*) *urticae*.– Bred from hosts parasitized in the laboratory: (3694) *Abrostola triplasia*, (3695) *Acronicta megacephala*, (3696) *A. rumicis*, (3697) *A. tridens*, (3698) *Agrotis* (= *Amathes*) *c-nigrum*, (3699) *Calophasia casta*, (3700) *Cucullia asteris*, (3701) *Eriogaster lanestris*, (3702) *Heliothis dipsacea*, (3703) *Oxycesta geographica*, (3704) *Phalera bucephala*, (3705) *Polia* (= *Mamestra*) *brassicae*, (3706) *P.* (= *M.*) *oleracea*, (3707) *Synopsia sociaria*, (3708) *Vanessa* (= *Inachis*) *io*, (3709) *Trichiocampus viminalis*, and (3710) (p. 988) ex *Bupalus piniarius*.

DRUITT 1933

(3711) *Larvaevora fasciata* (= *Exorista fasciata*) ex *Zygaena trifolii*, Christchurch, Hants. – Seen by BELSHAW.

EDELSTEN 1933

(3712) p. 131: *Phryxe vulgaris* (or misid. = ?*P. magnicornis*) ex adult *Zygaena lonicerae*, Wood Walton Fen (Cambs., GB).

FLUITER 1933a

Ex *Stilpnotia* (= *Leucoma*) *salicis*, Wageningen, p. IX: (3713) *Carcelia gnava*, (3714) *Compsilura concinnata*, and (3715) *Pales pavida*.

FLUITER 1933b

(3716)* p. LXXIV: *Rondania cucullata*, det. BARANOV, or (footnote) *Rondania dispar*, det. MEIJERE, ex adult *Brachyderes incanus*. – The latter determination is correct.

FLUITER 1933c

(3717) p. 487: *Diplostichus tenthredinum* (= *Diplostichus janitrix*) ex *Diprion pini*.

(3718) p. 490: *Sturmia inconspicua* (= *Drino inconspicua*) ex *D. pini*.

FRIEDERICHS 1933

Ex *Panolis flammea*, SW Mecklenburg (D), p. 381:

(3719) *Ernestia rudis*, very common. pp. 457–459: in Leussow near Ludwigslust 58–75 %.

(3720) *Echinomyia fera* (= *Tachina fera*, or misid. = *T. magnicornis*), 1 specimen ex host pupa.

(3721) Tachinid indet. (identity unknown) emerging after short pupal stage in August.

HAYASHI 1933

Ex *Malacosoma neustria testacea*, central Honshu (Japan), pp. 1291, 1294: (3722) *Tachina larvarum* (misid. = *Exorista japonica*) (37 %), (3723) *Carcelia gnava* (10 %), and (3724) *Neopales pavida* (= *Pales pavida*) (15 %). – The stated percentages of parasitism were observed in Kyoto.

HEY & THOMAS 1933

(3725) p. 459: *Exorista roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Cacoecia* (= *Archips*) *crataegana*, Wisbech, Cambs. (GB).

JACENTKOVSKÝ 1933

(3726) p. 2: *Ceromasia angelicae* (= *Belida angelicae*) ex *Arge berberidis* [host as *Arge "rosea"* in JACENTKOVSKÝ 1941] Řečkovice near Brno, Moravia, HACHLER.

(3727) p. 4: *Pelatachina tibialis* ex *Vanessa* (= *Inachis*) *io*, and (3728) *V.* (= *Nymphalis*) *antiopa*. – Both records cited also 1934: 27, Masarykov Les, Brno.

(3729) *Pales pavida* ex *Stilpnotia* (= *Leucoma*) *salicis*.

(3730) *Sturmia bella* ex *S.* (= *L.*) *salicis*. – Both records cited also 1934: 22, Masarykov Les, Brno.

(3731) *Pales pavida* ex *Liparis* (= *Lymantria*) *monacha*. – No locality.

Ex *Liparis* (= *Lymantria*) *dispar*, Podkarpatska Rus (now Uzhgorod prov., Ukraine), p. 4 with annotations on p. 5 (more information see JACENTKOVSKÝ 1935): (3732) *Parasetigena segregata* (= *Parasetigena silvestris*), (3733) *Compsilura concinnata*, and (3734) *Tachina larvarum* (= *Exorista larvarum*).

Ex *Euproctis chrysorrhoea*, p. 4, cited also by JACENTKOVSKÝ 1936: 87, Podkarpatska Rus (Ukraine): (3735) *Phryxe vulgaris*, 1 specimen.

KAUFMANN 1933

(3736) pp. 487–489: *Pseudoptilops nitida*, det. KARL (= *Dufouria occlusa*) parasite of *Cassida nobilis*, Schlesien (= Silesia, now Poland), up to 40 %. Biology. Fig. 20: adult. Fig. 21: egg deposited in the fold between two segments of the

host larva. Fig. 22: 3rd stage. Fig. 23: mouth-hooks of 1st stage. Fig. 24: Puparium and hind spiracles.

(3737) p. 489: – – ex *Cassida vittata*, sporadic.

(3738) Emden 1950: 202, and 1954: 23, has wrongly synonymized *P. nitida* with *Minella* (= *Dufouria*) *nigrita* and (prb. wrongly) referred these two hosts to the latter parasite species.

Komárek 1933

(3739) pp. 81, 93: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), CS, biology.

Kozlovsky & Rungs 1933

(3740) *Nemorilla maculosa*, det. Wainwright (prb. correct) ex *Depressaria cynarivora*, Rabat (Morocco).

Kumazawa 1933a

(3741) *Tachina larvarum* (misid. = *Exorista japonica*) parasite of *Phalera flavescens*. Table on p. 112: number of eggs deposited on the body segments, preferably on head, thorax and 1st and 2nd abdominal segment. – Ex other hosts: (3742) *Malacosoma neustria testacea*, (3743) *Spilosoma nivea*, (3744) *S. subcarnea*, (3745) *Ivela auripes*, (3746) *Orgyia* (= *Dasychira*) *pseudabietis*, (3747) *Liparis* (= *Lymantria*) *dispar*, (3748) *Cryptothelea formosicola* (= *Clania variegata*), and (3749) *Bombyx mori*. – Localities not specified, prb. near Tokyo.

Kumazawa 1933b

Host names only in Japanese, translated for me by H. Shima. Localities near Tokyo, unless otherwise stated.

(3750) *Tachina larvarum* (misid. = *Exorista japonica*) ex *Illiberis nigra*, (3751) *Spilosoma imparilis*, (3752) *Theretra oldenlandiae*, and (3753) *Philudoria albomaculata*, Kanagawa prov.

Manninger & Manninger 1933

Ex *Eurygaster austriaca*, *E. maura*, *E. integriceps*, and *Aelia acuminata* in more or less mixed rearings in Hungary, pp. 22–23. Contradictory determinations of the tachinids by Thalhammer (Th.) and Baer (B.):

(3754) *Alophora* (= *Phasia*) *hemiptera*, det. Th., *Cistogaster globosa*, det. B. – The figure agrees with the latter species (♀), and the host was prb. *Aelia acuminata*.

(3755) *Ananta lateralis* (= *Elomyia lateralis*), det. Th., *Cistogaster* "ebenda", det. B. – The badly reproduced photograph shows prb. a female of *E. lateralis*. Host prb. *Eurygaster*. "ebenda" is not a species name, but the German word for "in that place".

(3756) *Phasia analis* (= *Ectophasia* sp. ♀). det. Th., *Gymnosoma rotundata* (= *Gymnosoma* sp.), det. B., ex *Aelia*. – Not figured, identity unknown.

(3757) *Alophora* (= *Phasia*) *hemiptera*, det. Th., unknown to him, det. B. (= prb. *Phasia subcoleoptrata*), ex (*Eurygaster*) *maura*.

(3758) Fly with spotted wings, *Alophora* (= *Phasia*) *hemiptera*, det. Th., *Phasia crassipennis* (= prb. *Ectophasia oblonga*), det. B. – *Phasia hemiptera* has never been bred from wheat bugs.

Mellor 1933

(3759) p. 62: *Gymnosoma rotundata* (prb. misid. = prb. *Gymnosoma clavata*, see Morris 1929) ex *Dolycoris baccarum*, Cyprus.

Michalk & Riedel 1933

(3760) *Clytiomyia pellucens* (= *Heliozeta pellucens*) ex *Sehirus bicolor*.

(3761) *Cistogaster globosa* ex *Aelia acuminata*.

(3762) *Dionaea forcipata* (= *Labigaster forcipata*) ex *Stenocephalus agilis* ♀, Hammelburg (Unterfranken).

(3763) *Phania vittata* (= *Hemyda vittata*) ex *Arma custos*, Eisenhammer/Sachsen.

Moss 1933

(3764) pp. 217, 222: *Phryxe vulgaris* ex pupae of *Pieris brassicae*, and (3765) pupae of *P. rapae*, Burnham (near Slough, Bucks., GB).

Nevski 1933

(3766) p. 51: *Salmacia cilipeda* (= *Gonia bimaculata*) ex uryukovaya pyadenitsa (= *Pterotocera declinata*) on apricot, and (3767) tutovaya pyadenitsa (= *Apocheima cinerarius*) on mulberry, Kanibadam (Western part of Fergana basin, Tadzhikistan [or eastern Uzbekistan?]), more than 20 %.

Petrova 1933

(3768) p. 52: *Discochaeta evonymellae* (= *Eurysthaea scutellaris*) parasite of *Hyponomeuta malinella*, Sofia distr., Bulgaria.

Pfeffer 1933

Ex *Panolis flammea*, W Slovakia, p. 19: (3769) *Ernestia rudis* (main parasite, up to 63 %, table on p. 29), (3770) *Pales pavida*, (3771) *Phryxe vulgaris* (prb. misid. = prb. *Phryxe erythrostoma*, host prb. *Hyloicus*), (3772) *Blepharomyia pagana* (sensu Stein = *Blepharomyia angustifrons*), and (3773) *Winthemia amoena* (= *Timavia amoena*).

Poulton 1933

Reared by Hayward, locality Repton (Derby, GB), except in the first record: (3774) *Actia pilipennis* ex *Peronea* (= *Acleris*) *logiana* (W Dorset), (3775) *Arrhinomyia tragica* (= *Elodia morio*) ex *Eucosma* (= *Epinotia*) *sordidana*, (3776) *Bucentes cristata* (= *Siphona* sp.) ex *Hybernia* (= *Erannis*) *defoliaria*, and (3777) *Exorista roseanae* (= *Pseudoperichaeta nigrolineata*) ex *Cacoecia* (= *Archips*) *rosana*.

Pourchier 1933

(3778) p. 33: *Microphthalma disjuncta* (= *Microphthalma europaea*) ex *Cetonia aurata*, (3779) *Oryctes grypus*, and (3780) *Melolontha* sp., Fréjus (Var, F). – Figs. 1–11: 3rd instar larva. Fig. 12: puparium. – Figs. 1–5 are declared to be the 2nd instar, but they represent smaller, not full-grown individuals of the 3rd instar.

Rauther 1933

Ex *Araschnia levana*, Württemberg, p. XVI: (3781) *Sturmia bella*, (3782) *Phryxe vulgaris*, and (3783) *Compsilura concinnata*.

[Růžička 1933, see Tschorsnig 2017]

Sperring 1933a

(3784) *Phryxe nemea* ex *Abrostola tripartita*, Pulborough, Sussex (GB).

(3785) *Lydella stabulans* ex *Coenobia rufa*, same locality.

Sperring 1933b

(3786) *Nemorilla floralis* ex *Botys* (= *Sylepta*) *ruralis*, SE Hants. (GB).

(3787) *Thelaira nigripes* ex *Arctia villica*, SE Hants.

Stadler 1933

(3788) p. 59, footnote: *Phorocera agilis* (= *Parasetigena silvestris*) most common parasite of *Lymantria dispar* at Oberpullendorf (Burgenland, Austria), Sellers i. litt. The paper also contains a list of parasites of *L. dispar* uncritically compiled from the literature.

[Tikos 1933]

[= Details on the Hungarian rearings reported by Crossman & Webber 1924 and Burgess & Crossman 1929.]

Vukasović 1933

(3789) pp. 33–35, Tabs. I+II, and p. 54, Tab. III: *Discochaeta cognata* (= *Eurysthaea scutellaris*) common parasite of *Hyponomeuta malinella* in Serbia, percentage of parasitism varying from 3 % to 47 %. [= Records of Vukasović 1932a, but more detailed.]

Audcent 1934

(3790) p. 441: *Ceromasia sordidisquama* (prb. misid., identity unknown) ex *Acronicta alni*, Fishponds, Gloucs., L. Barton-White. – *C. sordidisquama* (= *Oswaldia muscaria*) occurs in spring (flight period May-June), but this rearing is dated in September.

Benlloch & Cañizo 1934

Ex *Aglaope infausta*, Spain, p. 123: (3791) *Compsilura concinnata*, (Guadelupe, prov. Cáceres), and (3792) *Tricholyga segregata* (= *Exorista segregata*), (Vilvestre, prov. Salamanca).

Bishara 1934

Ex *Prodenia litura* (= *Spodoptera littoralis*), Egypt:

(3793) pp. 350–359: *Tachina larvarum* (= *Exorista larvarum*), up to 50 %. Egg-laying, duration of stages, degree of parasitism. Fig. 5: host larva with tachinid eggs. Pl. XII, 6: adult.

(3794) p. 358: Tachinid sp. (misid. = Sarcophagidae). Pl. XII, 7: adult.

(3795) p. 360: *Gymnopareia aegyptia* (= *Peribaea orbata*), fairly common. Pl. XII, 9: adult.

Brett 1934

(3796) p. 272: *Carcelia bombylans* (misid. = *Carcelia rasa*, pers. comm. by R. Belshaw) ex *Orgyia antiqua*, Bexhill (Sussex, GB), 4 specimens from one host cocoon.

Clark 1934

Ex *Pyrausta* (= *Ostrinia*) *nubilalis* in Japan, Korea and SE Manchuria. Collection of parasites for biocontrol in USA: (3797) *Lydella grisescens* (= *Lydella thompsoni*) (common, 72 000 specimens), (3798) *Nemorilla floralis* (2180 specimens), and (3799) *Phorocera erecta* (= *Pseudoperichaeta nigrolineata*) (1830 specimens).

Cockayne 1934

(3800) p. 191: *Phryxe vulgaris* (misid. = *Phryxe magnicornis*) ex *Selenia bilunaria* (= *S. dentaria*), and (3801) *Eupithecia helveticaria* (= *E. intricata*). – Redetermined by Wainwright 1940: 424, in both cases as *Phryxe longicauda* (= *P. magnicornis*). – Locality: Scotland.

Donisthorpe 1934

(3802) p. 118: *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, Windsor (GB).

Dowden 1934a

Collections of the Gipsy Moth Laboratory in Hungary: (3803) p. 98: *Zenillia libatrix* ex *Euproctis chrysorrhoea*, (3804) *Lymantria dispar*, (3805)* *Oxycesta geographica*, (3806) *Pygaera* (= *Clostera*) *pigra*, and (3807) *Stilpnotia salicis*. – Life history. Fig. 1A–E: egg and 1st stage. Fig. 2A–D: 2nd stage. Fig. 3A–F: 3rd stage; G: pupal respiratory apparatus. Fig. 4: reproductive organs, A–C female, D male. Fig. 4E: host pupa with *Zenillia* larva in situ.

Dowden 1934b

(3808) pp. 600, 601: *Lypha dubia* common parasite of *Rhyacionia buoliana* in Austria, overwintering puparia shipped to USA for biological control.

Faggioli 1934

Hosts collected near Bologna, Tachinidae det. Villeneuve.

(3809) p. 167: *Phryxe vulgaris* ex *Mancipium* (= *Pieris*) *brassicae*.

(3810) p. 169: *Compsilura concinnata* ex *Phalera bucephala*.

(3811) *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*.

Fagniez 1934

Ex *Chloridea* (= *Heliothis*) *peltigera*, Vaucluse (F), p. 28: (3812) *Echinomyia fera* (= *Tachina fera*), and (3813) *Winthemia quadripustulata*.

Fluiter 1934a

(3814)* p. XIII *Rondania dimidiata* (misid. = *Rondania dispar*) parasite of adult *Brachyderes incanus*, Bennekom (NL), oviposition.

[no. 3815 was missing in the manuscript.]

Fluiter 1934b, see Fluiter 1932a

Goetghebuer 1934

(3816) p. 34: *Digonochaeta setipennis* (= *Triarthria setipennis*) ex gall of *Lipara lucens* and presumed to be parasite of the sphecid *Pemphredon shuckardi*. – The true host was very likely a *Forficula*.

Göpfert 1934

(3817) pp. 109–127: *Ernestia rudis* common parasite of Forleule (= *Panolis flammea*), Schweinitz near Magdeburg (D). Life-history.

(3818) p. 119: – – in experiments not able to parasitize Nonne (= *Lymantria monacha*) and Kiefernschwärmer (= *Hyloicus pinastri*).

Hey & Thomas 1934

(3819) p. 307: *Nemorilla notabilis* (= *Nemorilla floralis*) ex *Cacoecia* (= *Archips*) *podana*, 1 specimen, East Malling (Kent, GB).

Ishikawa 1934

(3820) *Tricholyga sorbillans* (= *Exorista sorbillans*) parasite of silkworm (*Bombyx mori*), Kumamoto prov., Kyushu. Figs. 1–17: adult. Figs. 19–21: 3rd stage larva total, head and hind spiracles.

Jacentkovský 1934

The breeding records from Masarykov Les (forest) near Brno (Moravia) were already published in 1933: 4. One is added:

(3821) p. 20: *Ceromasia nigripes* (= *Blondelia nigripes*) ex *Vanessa* (= *Inachis*) *io*, 1 specimen.

Kapuściński 1934

(3822) p. 65: *Exorista glauca* var. *clavellariae* (= *Phebellia clavellariae*) parasite of *Pseudoclavellaria amerinae*, 23 %, Lwow (East Poland, now West Ukraine).

Kolubajiv 1934

Ex *Cacoecia* (= *Choristoneura*) *murinana*, Žárovice (Rudohoří), p. 60: (3823) *Exorista triseta* (misid., ?*Nemorilla maculosa*) (rare), (3824)* *Lydella nigripes* (= *Blondelia nigripes*) (common), and (3825)* *Nemorilla maculosa* (rare).

Ex *Pyrrhidium sanguineum*, Malacky, Pfeffer, p. 63: (3826)* *Phryxe vulgaris* (misid. = *Pales pavida*, labelled ex *Callidium*). – A small damaged specimen, host almost certainly wrong.

Ex *Liparus germanus*, Tatra, Komárek, p. 63: (3827) *Rondania dimidiata*.

Ex *Lophyrus* (= *Diprion*) *pini*, Šaštín, p. 66: (3828) *Diplostichus janitrix*.

Ex *L.* (= *Neodiprion*) *sertifer*, Turnov, p. 66: (3829)* *Sturmia inconspicua* (= *Drino inconspicua*).

Ex *Pieris brassicae*, Prague, p. 68: (3830)* *Compsilura concinnata*.

Ex *Vanessa polychloros*, Lužna (near Rakovník), p. 68: (3831)* *Phryxe vulgaris* (common), and (3832) *Sturmia bella* (rare).

Ex *Eriogaster lanestris*, Soběslav, p. 68: (3833) *Ernestia consobrina* (prb. misid., identity unknown), and (3834)* *Pales pavida*.

Ex *Bupalus piniarius*, various places, p. 113: (3835)* *Carcelia rutilla* (= *Senometopia pollinosa*), and (3836)* *Lydella nigripes* (= prb. *Blondelia piniariae*).

Ex *Hibernia defoliaria*, Dobříš, p. 113: (3837) *Exorista libatrix* (= *Zenillia libatrix* or misid.), and (3838)* *Phryxe vulgaris* (misid. = *Phryxe magnicornis*, 9.II.31, 4 specimens).

Ex *Dasychira pudibunda*, p. 113: (3839)* *Carcelia gnava* (common), (3840)* *C. excisa* (misid. = *C. gnava*) (2 specimens labelled "*excisa*"), (3841)* *Compsilura concinnata*, (3842) *Echinomyia fera* (= *Tachina fera* or misid. = *T. magnicornis*) (rare), (3843) *Exorista affinis* (= *Huebneria affinis* or misid.) (rare), (3844)* *Phorocera assimilis* (misid. = *Parasetigena silvestris*) (rare; the host must be wrong, because there is no seasonal coincidence), and (3845) *Tachina larvarum* (= *Exorista larvarum*) (rare).

Ex *Lymantria dispar*, Mukačevo, Podkarpatska Rus (= Uzhgorod prov., Ukraine), p. 114: (3846) *Carcelia excisa* (prb. misid. = *Carcelia gnava* or *Senometopia separata*), (3847)* *Tachina larvarum* (= *Exorista larvarum*), and (3848)* *Zenillia libatrix*.

Ex *L. monacha*, pp. 114–115:

(3849) *Ceromasia florum* (= *Ceromasia rubrifrons* or misid.), very rare.

(3850) *Compsilura concinnata*.

(3851)* *Ernestia rudis*, bred from collected puparia. – Host wrong. In experiments (Prell 1915: 144, Göpfert 1934: 119), *E. rudis* failed to parasitize *L. monacha*.

(3852)* *Erynnia nitida* (misid. = *Rondania dimidiata*, 2 ♀♀). – Host wrong, *Rondania* is a parasite of adult Curculionidae. Omitted in the parasite list of Kolubajiv 1938. Wrongly synonymized with *Erynniopsis rondanii* (= *Erynniopsis antennata*) in the Thompson catalogue. The true *E. nitida* is *Erynnia ocypterata*. The locality "Jince" is wrong, a misreading of "vice" in the place name "Hořo/vice" which is written on the label in two separate lines.

(3853) *Pales pavida*, rare.

(3854)* *Parasetigena segregata* (= *Parasetigena silvestris*), very common. – Wrongly synonymized with *Tricholyga* (= *Exorista*) *segregata* in the Thompson catalogue (1946: 360).

(3855)* *Phorocera assimilis* (misid. = *Parasetigena silvestris*, specimens with small discal setae on the 4th abdominal segment), rare.

(3856)* *Tachina larvarum* (= *Exorista larvarum*). – Český Rudolec, 20.VIII.33.

(3857) *Tricholyga sorbillans* (= *Exorista grandis* or misid.), rare.

Ex *Spilosoma* sp., Prague, p. 118: (3858) *Exorista affinis* (= *Huebneria affinis*).

Ex *Hyloicus pinastri* pupae which were included in a sample of *Panolis*-pupae, Slovenský Bur, p. 118: (3859) *Phryxe erythrostoma*, 12–15 parasites from each host.

Ex *Semasia* (= *Zeiraphera*) *diniana*, Rudohoří (= Erzgebirge), p. 118: (3860) *Nemorilla maculosa*, (3861) *N. floralis* (prb. misid. = prb. *N. maculosa*) (in Pfeffer 1930 als *N. maculosa*), (3862)* *Lydella nigripes* (= *Blondelia nigripes*) (rare), and (3863)* *Phryxe vulgaris* (misid. = *Pales pavida*), rare (2 small specimens, Přísečnice 1930, labelled as *P. vulgaris*).

Ex *Panolis flammea*, p. 155: (3864)* *Ernestia rudis* (= Malacky area [+ more Czech localities]), very common, 25–65 %), (3865)* *Blepharomyia pagana* (sensu Stein = *Blepharomyia angustifrons*) (very rare; 1 ♂ Malacky, 12.IV.32), (3866)* *Pales pavida* (rare; Podmokly 1930, Malacky 1931), (3867)* *Phryxe vulgaris* (misid. = *Phryxe erythrostoma*) (Slovenský Bur, rare; the true host was probably *Hyloicus pinastri*, some pupae of which were included in the sample of *Panolis*-pupae, see p. 118), (3868) *Phryxe erythrostoma* (very rare, see preceding annotation), and (3869)* *Winthemia amoena* (= *Timavia amoena* (15.IV.33, 1 specimen), rare).

Localities in Czechoslovakia.

Marcus 1934

(3870) p. 182: *Ernestia rudis* most common parasite of *Panolis flammea*, Lorenzer Reichswald near Nürnberg (D).

Martin 1934

(3871) p. 236: *Masicera pratensis* (= *Masicera pavoniae*) ex *Saturnia pyri*, [prb.] Switzerland.

(3872) p. 240: *Frontina* sp. (misid. = ?*Exorista fasciata*) ex *Macrothylacia rubi*, Holland.

Parker 1934

(3873) *Centeter unicolor* (= *Istochaeta unicolor*) ex *Anomala sieversi* and (3874) *Phyllopertha pubicollis*, Suigen (= Suwon), Korea. – Life history. Fig. A: adult. Fig. B–E: 3rd instar larva. Fig. F–H: puparium.

[Popov 1934, see Hubenov 1985, Tschorsnig 2017]

Riedel 1934

Locality: Frankfurt/Oder (D), unless otherwise stated. Schuk. = leg. Schukatschek.

(3875)* p. 257: *Winthemia speciosa* (misid. = *Winthemia bohemani*, 1 ♀) ex *Cossus cossus* [atypical host] Frankenberg/Sachsen.

(3876) *Carcelia inconspicua* (= *Carcelia falenaria*) ex *Syntomis phegea*, Leipzig, Reichert.

(3877)* p. 258: *Exorista affinis* (= *Huebneria affinis*) ex *Arctia caja* (Schuk.), (3878)* *Arctia hebe* (Schuk.), and (3879) *Phragmatobia fuliginosa* (Schuk.).

(3880) *Phryxe vulgaris* var. *heraclei* (misid. = *Phryxe magnicornis*) ex *Zygaena trifolii*, Berkenbrück, Riedel. – Specimens of this rearing are not preserved, but there is 1 ♂ in ZMHB bred from *Zygaena* sp. at Landsberg (Warthe) and det. as *P. vulgaris* var. *heraclei* by Riedel, which is *P. magnicornis*.

(3881)* p. 259: *Ceromasia florum* (= *Ceromasia rubrifrons*) ex *Zygaena trifolii* (Berkenbrück, Riedel), and (3882) *Zygaena purpuralis* (Schuk.).

(3883) *Compsilura concinnata* ex *Cucullia argentea*, Schuk.

(3884) p. 260: *Pales pavida* ex *Stilpnotia salicis*, Schuk.

(3885)* *Tachina larvarum* (misid. = *Exorista fasciata*) ex *Stilpnotia* (= *Leucoma*) *salicis*, Schuk. – 1 ♂, 2 ♀♀, 10.VII.25.

(3886) – – (= *Exorista larvarum* or misid. *E. fasciata*) ex *Malacosoma castrensis*, Schuk.

(3887)* *Tricholyga sorbillans* (misid. = *Exorista grandis*) ex *Zygaena purpuralis*, SCHUK. – One small female, only 7 mm long.

(3888)* p. 261: *Histochaeta marmorata* (= *Thelymorpha marmorata*) ex *Arctia hebe*, Berlin, GREGOR.

(3889)* p. 262: *Actia nudibasis* ex Harzgallen (= ex *Petrova resinella*).

(3890) p. 263: *Elodia cloacellae* (= *Elodia ambulatoria*) ex *Scardia* (= *Morophaga*) *boleti*, RIEDEL.

(3891)* p. 264: *Phoenicella haematodes* (= *Thelaira haematodes*) ex *Arctia hebe* (SCHUK.), and (3892)* ex *Coscinia striata*, SCHUK.

(3893)* p. 268: *Atropidomyia irrorata* (= *Billaea irrorata*) ex *Saperda populnea*, SCHUK.

ROHDENDORF 1934

(3894) p. 159: *Craspedothrix veniseta* (= *Neoplectops pomonellae*) ex *Laspeyresia* (= *Cydia*) *pomonella*, Lazarevskaya, N Caucasus (Russia).

ROSENBERG 1934

(3895) p. 248: *Arrhinomyia tragica* (= *Elodia morio*) parasite of *Cydia pomonella*, up to 2.6 %, France (many localities). Biology. Fig. 14: 1st instar larva, mouth-hooks. Fig. 15: puparium in host pupa, its posterior end, mouth-hooks of 3rd instar.

(3896) p. 250: *Exorista westermanni* (= *Eumea linearicornis*) ex *C. pomonella*, 1 specimen. Seine-et-Oise. – Wrongly synonymized with *Zenillia* (= *Eumea*) *mitis* in the THOMPSON catalogue.

[RŮŽIČKA 1934, see TSCHORSNIG 2017]

SCHEIDTER 1934[a]

(3897) Tachinid eggs (= prb. *Diplostichus janitrix*) on the skin of *Lophyrus* (= *Diprion*) *pini* larvae were often removed by moulting of the host. In some cases, the young parasite larva attached to the primary respiratory opening (in its sac) was cast off together with the skin. – The other tachinid genera attacking *Diprion pini* do not deposit unincubated planoconvex eggs on the host. Locality prb. Bavaria.

[SCHEIDTER 1934b, see TSCHORSNIG 2017]

SCHWERDTFEGER 1934(a+b)

(3898) pp. 48–52 in a, pp. 454–457, 462–464 in b: *Ernestia rudis* parasite of Forleule (= *Panolis flammea*), SE Mark Brandenburg and NW Poland, 66–98 %.

SERVADEI 1934

(3899) p. 206: *Vibrissina turrita* ex *Arge pagana*, Emilia and Marche (I).

TELENGA 1934

Ex *Polychrosis* (= *Lobesia*) *botrana*, Crimea (p. 102): (3900) *Thyella floralis* (= *Nemorilla* sp.), and (3901) *Elodia tragica* (= *Elodia morio*).

TORKA 1934

(3902) p. 302: *Ptychomyia selecta* (= *Bessa selecta*) ex *Pristiphora alnivora*, Neustadt/Oberschlesien (= Prudnik, PL).

VILLENEUVE 1934

(3903) p. 181: *Anachaetopsis nitidula* (= *Erynniopsis antennata*) ex *Galerucella luteola*, Hyères (Var, F), PARKER, and Italy, SILVESTRI, bred specimens revised.

VIMMER 1934

(3904) p. 189: *Ceromasia florum* (= *Ceromasia rubrifrons*) ex *Zygaena carniolica*, HOLIK. No locality.

[BODENHEIMER 1935, see KUGLER 1966]

BOYD 1935

(3905) p. 93: *Compsilura concinnata* ex pupa *Aglais urticae*, Reading, Berkshire, HODSON.

CARR 1935

Tachinidae det. WAINWRIGHT. Localities in Nottinghamshire (GB). M. D. = Mansfield, bred by W. DAWS.

(3906) p. 145: *Lypha dubia* ex *Hybernia* (= *Erannis*) *marginaria*, M. D.

(3907) p. 146: *Exorista hortulana* (= *Nilea hortulana*) ex *Mamestra brassicae*, (M. D.), and (3908) *Acronicta psi* (Mansfield and Sherwood Forest).

[*Phryxe nemea* ex *Thecla w-album*, Foss-road near Widmerpool station, CARR].

(3909) *Phryxe nemea* ex *Hybernia* (= *Erannis*) *defoliaria*, Langford Moor, SAUNT.

[*Pelmatomyia phalaenaria* (prb. misid = *Carcelia tibialis*) ex *Arctia caja*, M. D.].

(3910) *Phryno vetula* ex *Phigalia pedaria*, M. D.

(3911) *Nemorilla floralis* ex *Spilosoma menthastri*, Sneinton, SAUNT.

(3912) p. 147: *Compsilura concinnata* ex *Spilosoma menthastri*, M. D.

(3913) p. 148: *Voria ruralis* ex *Plusia gamma*, M. D.

(3914) p. 149: *Bucentes cristata* (= *Siphona cristata*-complex) ex *Polia* (= *Antitype*) *chi*, M. D.

(3915) *Blepharomyia amplicornis* (= *Blepharomyia pagana*) ex *Hybernia* (= *Erannis*) *marginaria*, M. D. – Cited already by WAINWRIGHT 1928: 205.

(3916) p. 151: *Thelaira nigripes* ex *Spilosoma menthastri*, M. D.

CHU 1935

(3917) *Tricholyga sorbillans* (= *Exorista sorbillans*) ex larvae *Theophila* (= *Bombyx*) *mandarina*, China. – Cited from Review of applied Entomology 24: 286.

DURNOVO 1935

(3918) *Thyella floralis* (= *Nemorilla* sp.) ex *Eulia politana* (= *Argyrotaenia pulchellana*), Maikop (NW Caucasus, Russia).

EUSTACE 1935

(3919) p. 288: *Compsilura concinnata* ex *Deilephila* (= *Celerio*) *galii*, Berkshire (GB). – Published also by EUSTACE 1936: 120.

FLUITER & BLIJDORP 1935

(3920)* pp. 189–190: *Rondania dimidiata* (misid. = *Rondania dispar*) ex *Brachyderes incanus*, several specimens from hundreds of hosts, Mook and Bennekom (NL). Fig. 32: adult ♂ and ♀. Fig. 33: oviposition by means of the very long telescopic postabdomen between the mandibles of the feeding beetle. Fig. 34: tip of the ovipositor.

FORDHAM 1935

(3921) *Exorista hortulana* (= *Nilea hortulana*) ex *Acronicta tridens*, Barmby Moor, Yorkshire.

The other records are quoted from the literature without references. They include a misreading:

(3922) *Monochaeta albicans* (= *Cyzenis albicans*) bred in Somerset from *Hydriomena* (= *Triphosa*) *dubitata* and *Operophthera brumata*. – Misread from AUDCENT 1933: 360, who mentions the species collected (not bred) in Somerset and quotes the two host records of LUNDBECK 1927 (nos. 2837, 2838) without reference.

GÖSSWALD 1935

(3923) pp. 7–12: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), Oberpfalz (D). Influence of temperature and humidity.

HEY 1935a

(3924) p. 187: *Actia pilipennis* ex *Batodes* (= *Ditula*) *angustiorana*, East Malling. Cited also in HEY 1935b: 254.

(3925) *Nemorilla notabilis* (= *Nemorilla floralis*) ex *Cacoecia* (= *Archips*) *podana*, Farningham.

JACENTKOVSKÝ 1935

Ex *Liparis* (= *Lymantria*) *dispar*, Podkarpatska Rus (now Uzhgorod prov., Ukraine): (3926) *Parasetigena silvestris* (most common), (3927) *Sturmia scutellata* (= *Blepharipa pratensis*), (3928) *S. flavoscutellata* sensu Schiner (= *Blepharipa schineri*), (3929) *Compsilura concinnata*, (3930) *Tachina larvarum* (= *Exorista larvarum*) (1 specimen [prb. det. HERTING]), and (3931) *Pelatachina tibialis* (1 specimen).

JOURDAN 1935a

(3932) p. 261: *Gymnosoma rotundata* (misid. = *Gymnosoma rungsi*, see DUPUIS 1963: 116) ex *Aelia triticiperda*, Morocco. – Cited also by JOURDAN 1935c: 118.

JOURDAN 1935b

(3933) p. 83: *Clytiomyia helluo* (= *Heliozeta helluo*) ex *Eurygaster austriaca*, Morocco. Life-cycle. – Cited also by JOURDAN 1935c: 117.

JOURDAN 1935d

(3934) p. 160: *Voria ruralis* ex *Phytometra* (= *Plusia*) *gamma*, Morocco.

KATO 1935

(3935) *Centeter cinerea* (= *Istochaeta aldrichi*) ex adult *Popillia japonica*, 40 %. – Cited from Review of applied Entomology 23: 515.

KRÖBER 1935

(3936) p. 79: *Carcelia lucorum* B.B., nec Meigen (= prb. misid. = prb. *C. gnava*) ex *Malacosoma neustria*.

KUNTZE 1935

(3937) p. 193: *Ceromasia inclusa* (= *Blondelia inclusa*) ex *Lophyrus* (= *Diprion*) *frutetorum*, 5 %, Września, W Poland.

LEDERER 1935

Ex *Endromis versicolora*, Frankfurt/Main: (3938) *Exorista affinis* (prb. misid. = ?*Senometopia separata*), (3939) *Tachina rustica* (misid., identity unknown), and (3940) *Masicera pratensis* (= *Masicera pavoniae*, or misid.).

LEVITT 1935

Ex *Lymantria dispar*, near Kiev, p. 138, footnote: (3941) *Zenillia libatrix*, (3942) *Compsilura concinnata*, and (3943) *Larvivora larvarum* (= *Exorista larvarum*).

Ex *Lymantria dispar*, experimentally bred in an orchard at Kiev, p. 149: (3944) *Phryxe vulgaris*, and (3945) *Lydella nigripes* (= *Blondelia nigripes*).

LIPP 1935

(3946) p. 60: *Ptilopsina nitens* (sensu Villeneuve = *Anthomyiopsis plagioderae*) ex larva *Plagiodera versicolora*, Potsdam.

MACHIDA 1935

(3947) *Crossocosmia sericariae* (= *Blepharipa sericariae*) parasite of *Bombyx mori*, Japan. Development in the host. – Cited from Review of applied Entomology 23: 262.

MANEVAL 1935

(3948) p. 70: *Tachina rustica* (misid. = ?*Exorista larvarum*) ex *Dasychira fascelina*, Tence (F). Hyperparasite: *Phygadeuon variabilis*.

MCKENNY-HUGHES 1935a

(3949) p. 106: *Phryxe vulgaris* (misid.?, identity unknown) ex *Borkhausenia* (= *Hofmannophila*) *pseudospretella*, Britain. No details. [Cited also by MCKENNY-HUGHES 1935b.]

MEIJERE 1935

MEUL. = VAN DER MEULEN, Amsterdam; OUD. = OUDEMANS, Putten (Gelderland). Redeterminations by T. ZEEGERS (Z.), pers. comm.

(3950) p. 222: *Echinomyia grossa* (= *Tachina grossa*) ex *Macrothylacia rubi*, Laarderheide, MEUL. [= prb. record of MEIJERE 1928b, no. 3012].

(3951) *Winthemia amoena* (= *Timavia amoena*) ex *Panolis griseovariegata* (= *P. flammea*), OUD.

(3952)* *Carcelia gnava* (misid. = *Carcelia rasa*) ex *Dasychira pudibunda*, OUD.

(3953)* *Phryxe vulgaris* (misid. = *Phryxe erythrostoma*, det. Z.) ex *Hyloicus pinastri*, Bennekom, KOORNEEF.

(3954)* *Exorista lucorum* (misid. = *Carcelia laxifrons*, det. Z.) ex *Malacosoma castrensis*, MEUL.

(3955)* *E. agnata* (misid. = *Nilea hortulana*, det. Z.) ex *Acronicta tridens*, MEUL.

(3956)* *E. libatrix* (misid. = *Townsendiellomyia nidicola*, 1 ♀, det. Z.) ex *Nygmia phaeorrhoea* (= *Euproctis chrysorrhoea*), MEUL. – On label: *Exorista libatrix* Panz., det. DE MEIJERE.

(3957) *Compsilura concinnata* ex *Pieris napi*, (3958) *Nygmia phaeorrhoea* (= *Euproctis chrysorrhoea*), (3959) *Stilpnotia* (= *Leucoma*) *salicis*, (3960) *Porthesia* (= *Euproctis*) *similis*, (3961) *Spilosoma lubricipeda* (= *S. lutea*), (3962) *Sphinx ligustri*, and (3963) *Vanessa* (= *Aglais*) *urticae*, all bred by MEUL.

(3964)* p. 223: *Tachina larvarum* (misid. = *Exorista fasciata* ♂, det. Z.) ex *Macrothylacia rubi*, Laarderheide, MEUL.

MICHALK 1935

Tachinids det. RIEDEL. Locality: Bellinchen/Oder (Brandenburg, now Poland), unless otherwise stated.

(3965) p. 131: *Clytiomyia continua* ex *Eurydema ornata*, and (3966) *E. oleracea*.

(3967) *Ocyptera brassicaria* (= *Cylindromyia brassicaria*) ex *Dolycoris baccarum*.

(3968) *Gymnosoma rotundata* (prb. misid. = prb. *Gymnosoma clavata* or *G. dolycoridis*) ex *Dolycoris baccarum*.

(3969) *G. rotundata*, small specimen (prb. misid. = prb. *Gymnosoma brachypeltae*) ex *Brachypelta aterrima* (= *Cydnus aterrimus*), Jena (Thuringia).

(3970)* *G. rotundata*, small specimens (misid. = *Gymnosoma costata*) ex *Eusarcoris melanocephalus* (= *E. fabricii*), Iphofen (near Würzburg, N Bavaria). pp. 133–138: Description of the egg, position on, and penetration of the larva into the host. – 1 ♂, 2 ♀♀ in coll. RIEDEL, redetermined by me.

(3971) p. 132: *Gymnosoma nitens* ex *Sciocoris cursitans*.

(3972) *Phasia crassipennis* (= *Ectophasia crassipennis* or *E. oblonga*) ex *Dolycoris baccarum*.

(3973)* *Ocyptera pilipes* (= *Cylindromyia pilipes*) ex *Piezodorus lituratus*, Karlstadt on Main (N Bavaria). – 1 ♂ in coll. RIEDEL, redetermined by me.

(3974) p. 133: *Alophora pusilla* (= *Phasia pusilla*) ex *Chilacis typhae*, Gundorf near Leipzig (Sachsen), REICHERT. – Published already by HESSE 1927: 29.

PYATNITSKY 1935

(3975) pp. 113–114: *Sturmia scutellata* (= *Blepharipa pratensis*) ex *Lymantria dispar*, Crimea, 90–95 % at the edges of a focus that had been infested for 3 years.

RICHARDS 1935a

(3976) *Compsilura concinnata* ex *Acronicta aceris*, Slough, Bucks.

(3977) *Phryxe vulgaris* ex *Plusia* sp. on *Calluna*, Torridon, Ross-shire. [Misid. = *Phryxe longicauda* (= *magnicornis*) according to WAINWRIGHT 1940: 424.]

RICHARDS 1935b

(3978) p. 81: *Nemorilla floralis* ex pupae *Depressaria heracliana* DeG., Slough, Bucks.

RIEDEL 1935

(3979) p. 106: *Pales pavida* ex *Bombyx mori*, VOELKEL.

(3980)* *Exorista acrochaeta* var. *stolida* (misid. = *Pseudoperichaeta nigrolineata*) ex *Euproctis chrysorrhoea*, Ladenburg (Mannheim), ZWÖLFER. – Host questionable (Microlepidoptera inadvertently introduced in the rearing?).

(3981) *Bessa selecta* ex *Nematus* (= *Pristiphora*) *laricis*, ECKSTEIN.

Ex *Lymantria dispar*, S of Kis Balaton (Hungary), SACHTLEBEN, p. 107: (3982) *Sturmia inconspicua* (= *Drino inconspicua*), (3983) *S. scutellata* (= *Blepharipa pratensis*), (3984) *Compsilura concinnata*, (3985) *Parasetigena silvestris*, (3986)* *Eutachina larvarum* (= *Exorista larvarum*) (most common parasite), (3987)* *E. fasciata*, including var. *nitidiventris* (misid. = *Exorista larvarum*) (1 ♂ retained in coll. RIEDEL, revised by me), and (3988) *Meigenia mutabilis* (= *Meigenia* sp.) (1 specimen, host prb. wrong).

(3989)* p. 107: *Eutachina fasciata* var. *nitidiventris* (= *Exorista fasciata*, correct det.) ex *Arctia hebe*, Berlin, GREGOR (in ZMHB, coll. RIEDEL).

(3990)* p. 108: *Phryxe vulgaris* (misid. = *Phryxe erythrostoma*) ex *Sphinx* (= *Hyloicus*) *pinastri*, numerous, Allersberg near Nürnberg, SACHTLEBEN (5 ♂♂ revised by me). Other specimens from Sachsen (D), Pommern (now Poland), VOELKEL (not revised, but prb. the same species).

ROHDENDORF 1935

Ex *Loxostege sticticalis*, overwintering cocoons, Armawir [= Armavir] (Ciscaucasia, S Russia): (3991) pp. 757–774: *Larvivora civilis* (= *Exorista civilis*). Biology. Figs. 8–10: reproductive organs ♂♀. Fig. 11: egg. Figs. 12–14: mouth-hooks of larval stages. Fig. 15: posterior stigma, and Fig. 16: anterior stigma of 3rd stage; (3992) pp. 774–779: *Clemelis pullata*. Biology. Fig. 17: microtype egg. Fig. 18: larva hatching from it. Fig. 19: 2nd instar. Figs. 20–21: mouth-hooks 1st and 3rd instar.

Ex *Loxostege sticticalis*, other parasite records: (3993) p. 753: *Voria ruralis* (Akhtyrka NW Kharkov/Ukraine), (3994) p. 756: *Exorista mitis* (= *Eumea mitis*) (Buryat-Mongolia), (3995) p. 757: *Ceratochaeta triseta* (= *Ceratochaetops triseta*) (Buryat-Mongolia; Fig. 5 represents the head of this species (adult), not *Zenillia libatrix* as stated by mistake), (3996) p. 755: *Zenillia libatrix*, and (3997) p. 756: *Pales pavida*, both in material VIZR, det. STACKELBERG.

Ex *Polia* (= *Mamestra*) *oleracea* in laboratory experiment, p. 773: (3998) *Larvaevora civilis* (= *Exorista civilis*).

SCHIMITSCHEK 1935

Ex *Hyponomeuta evonymella*, Prater (Wien), p. 165: (3999) *Ptychomyia selecta* (misid. = *Bessa parallela*).

Ex *Bupalus piniarius*, Galicia (= SW Poland), p. 167: (4000) *Carcelia rutilla* (= *Senometopia pollinosa*), and (4001) *Ceromasia nigripes* (= prb. *Blondelia piniariae*).

Ex *Ocneria detrita*, Wolkersdorf, p. 176: (4002) *Tachina larvarum* (= *Exorista larvarum*), and (4003) *Exorista libatrix* (= *Zenillia libatrix*).

Ex *Hyloicus pinastri*, Marchfeld, p. 177: (4004) *Phryxe vulgaris* (prb. misid. = prb. *Phryxe erythrostoma*).

Localities in Lower Austria, unless otherwise stated.

SCHMIDT 1935

(4005) *Meigenia mutabilis* (?misid. = ?*Meigenia uncinata*) ex *Agelastica alni*, 34 of 82 larvae parasitized, Geisenheim/Rhein.

SCHÖNWIESE 1935

(4006) p. 498: *Phryxe vulgaris*, det. FAHRINGER (prb. misid., identity unknown), ex *Lophyrus* (= *Neodiprion*) *sertifer*, Feldkirchen (Kärnten, A).

SCHUCH 1935

(4007) p. 173: *Dexia rustica* parasite of *Melolontha melolontha*, Plön (Holstein).

[no. 4008 was missing in the manuscript.]

SÉGUY 1935

Rearings in Morocco.

(4009) p. 119: *Clytiomyia helluo* (= *Heliozeta helluo*) ex *Eurygaster austriaca*, RIBAUD and VIDAL.

p. 119: Three parasite species obtained in a mixed rearing of *Eurygaster austriaca*, *Graphosoma lineatum*, *Dolycoris numidicus*, *Carpocoris fuscipennis* [= *fuscispinus*?], *Eurydema decoratum*: (4010) *Clytiomyia continua* (host prb. *Eurydema decoratum*), (4011) *C. helluo* (= *Heliozeta helluo*) (host prb. *Eurygaster austriaca*), and (4012) *Ocyptera brassicaria* (= *Cylindromyia brassicaria*) (host prb. *Dolycoris numidicus*).

(4013) p. 119: *Clytiomyia dalmatica* (= *Clytiomyia sola*) ex *Harpactor haemorrhoidalis* (= *Rhinocoris erythropus*), JOURDAN.

(4014) p. 120: *Gymnosoma rotundata* (prb. misid. = *Gymnosoma* sp.) ex *Aelia cognata*, JOURDAN, RÉGNIER).

(4015) *Hypovoria hilaris* ex undetermined noctuid larva, RUNGS.

(4016) *Plagia ruricola* (= *Cyrtophleba ruricola*) ex pupa besides cast skins of *Thaumetopoea pityocampa* larvae, RUNGS. – Host questionable.

(4017) *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *Lepidogma tamaricalis*, RUNGS.

(4018) *Sturmia inconspicua* (prb. misid. = prb. *Drino maroccana*) ex *Taragama repanda*, MALENCON and DUHAMEL.

STRONG 1935

(4019) *Anachaetopsis nitidula* (= *Erynniopsis antennata*) ex hibernating adults of *Galerucella luteola*, S France, 9 %. – Cited from Review of applied Entomology 24: 294 [original seen by HPT; cited also by STRONG 1936].

URQUIJO LANDALUZE 1935

(4020) p. 20: *Ceromasia senilis* (= *Lydella thompsoni*) ex *Pyrausta* (= *Ostrinia*) *nubilalis* (many localities in Galicia/NW Spain, 6–43 %), and (4021) *Sesamia vuteria* (El Ferret, 25 %; at this place, no *O. nubilalis* were found).

VIMMER 1935

(4022) p. 46: *Ceromasia nigripes* (= *Blondelia nigripes*) ex *Conchylis* (= *Stenodes*) *hilarana*, VLACH.

BABA 1936

(4023) *Servillia jakovlevi* (misid.), in Japanese name referred to *S. luteola* (prb. misid. = ?*Winthemia* sp.) ex *Herse convolvuli*, 18 parasites came out of one host pupa, the flies emerged 12 days later (30th June). – I am indebted to H. SHIMA for translating the text.

BENLLOCH 1936

Parasites of *Aglaope infausta* in Spain, Becedas, prov. Avila, p. 6: (4024) *Masicera silvatica* (prb. misid. = ?*Masicera sphingivora*), and (4025) *Exorista* sp. (= not genus *Exorista* in the correct sense, identity unknown).

CALLOT 1936

(4026) *Acemyia calloti* n. sp. (= *Metacemyia calloti*), 9 specimens ex one adult *Acridium* (= *Anacridium*) *aegyptium*, El Aouina, Tunisia. – Wrongly synonymized with *Ceracia mucronifera* by HERTING 1960: 58, and MESNIL 1962: 788–790.

(4027) *Acemyia acuticornis*, 1 specimen obtained from the same individual host at the same time. – Questionable.

CAÑIZO 1936 [= CAÑIZO 1939]

(4028) p. 23: *Gymnosoma rotundata* (prb. misid. = ?*Gymnosoma rungsi*) ex *Aelia rostrata*, Aragon (Spain).

EUSTACE 1936 see EUSTACE 1935

FINCK 1936

(4029) pp. 226–229: *Parasetigena segregata* (= *Parasetigena silvestris*) parasite of Nonne (= *Lymantria monacha*), Rominter Heide (East Prussia, now Russia). – Wrongly synonymized with *Tricholyga* (= *Exorista*) *segregata* in Review of applied Entomology 24: 751, and in the THOMPSON catalogue.

[FRIEDERICHS 1936, see TSCHORSNIG 2017]

GREENSLADE & MASSEE 1936

(4030) *Arrhinomyia tragica* (= *Elodia morio*) ex *Cydia pomonella*, Kent (GB), local.

HOLIK 1936

(4031) p. 509: *Tricholyga nova*, det. RIEDEL (= *Exorista nova*) ex *Zygaena olivieri* (Bécaa plain, Lebanon), and (4032) *Z. occitanica* (Vernet-les-Bains, Pyrénées (F); = RIEDEL 1930: 264).

HSIN 1936

pp. 270–271: Mass rearing of *Lophyrus* (= *Diprion*) spp., mainly *L.* (= *D.*) *frutetorum* and *L.* (= *D.*) *virens*, Mecklenburg. Tachinids det. KARL: (4033) 30 *Ceromasia inclusa* (= *Blondelia inclusa*), (4034) 4 *C. nigripes* (= *Blondelia nigripes* or misid. = *B. piniariae*) (host prb. Lepidoptera), (4035) 1 *Diplostichus janitrix*, (4036) 2 *Hemimasicera vicina* (prb. misid. = prb. *Drino inconspicua*), and (4037) 1 ?*Eggeria fasciata* (prb. misid., identity unknown).

(4038) p. 278: *Ptychomyia selecta* (= *Bessa selecta*) ex *Lygaeonematus laricis* (= *Pristiphora laricis*), and (4039) *L. wesmaeli* (= *Pristiphora wesmaeli*), Mecklenburg (D).

LADYZHENSKAYA 1936

Ex *Pyrausta* (= *Ostrinia*) *nubilalis*, Russia: (4040) *Exorista mitis* (= *Eumea mitis*), (4041) *Ceromasia senilis* (misid. = *Lydella thompsoni*), (4042) *Larvaevora noctuarum* (misid. = *Exorista civilis*), and (4043) *Thyella floralis* (= *Nemorilla* sp.). – Cited from Review of applied Entomology 25: 540–541.

MELIS 1936

(4044) p. 18 (reprint): *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *Cydia molesta*, Versilia, Toscana (I), important parasite in June.

MENOZZI 1936

(4045) p. 379, footnote: *Rondania dimidiata* (misid. = *Rondania cucullata*, see no. 3198) parasite of adult *Conorrhynchus* (= *Cleonus*) *mendicus* on sugar beet, 65–67 % in the plain of Rieti, 1935.

(4046) p. 380: – – common parasite of the second generation of adult *Larinus cynarae* and *L. scolymi* on artichoke. In July 1932 large quantities of both host species were collected in the Maremma, and ca.1000 puparia of the tachinid were obtained. The flies hatched in April 1933 and were distributed in the area of Montepulciano (Siena) for biological control of *C. mendicus*.

NÄGELI 1936

(4047) p. 321: Tachinid indet. (= *Bessa selecta*) ex *Lygaeonematus pini* (= *Pristiphora abietina*), Ermatingen, Thurgau (CH). Fig. 31: planoconvex eggs of the dehiscent type attached to the skin of the host. The adult flies could not be determined, because they escaped from the rearing cage. The species was tentatively supposed to be *Arrhinomyia cloacellae* (= *Elodia ambulatoria*) which was recorded by SCHIMITSCHEK 1936a: 563 from the same host. – The structure of the eggs proves that this supposition is wrong. Not *E. ambulatoria*, but *Bessa selecta* produces such eggs and has often been bred from Nematinae including *P. abietina*.

[NAKAZAWA 1936, see SHIMA 1999 (not repeated in SHIMA 2006)]

[NAWA 1936, see SHIMA 1999, 2010]

PAWŁOWICZ 1936

Ex *Porthetria* (= *Lymantria*) *dispar*, near Warsaw: (4048) *Larvivora larvarum* (= *Exorista larvarum*) (5.4 %), (4049) *Carcelia separata* (= *Senometopia separata*) (1.0 %), (4050) *Sturmia scutellata* (= *Blepharipa pratensis*) (0.4 %), and (4051) *Lydella nigripes* (= *Blondelia nigripes*) (0.4 %).

Ex *Malacosoma neustria*, near Warsaw: (4052) *Larvivora larvarum* (= *Exorista larvarum*), (10.0 %), (4053) *Lydella nigripes* (= *Blondelia nigripes*), (1.5 %), and (4054) *Pales pavida* (0.3 %).

Ex *Stilpnotia* (= *Leucoma*) *salicis*, near Warsaw: (4055) *Larvivora larvarum* (= *Exorista larvarum*) (74.6 %).

RICHARDS 1936

(4056) p. 163: *Compsilura concinnata* ex pupae *Aglais urticae*, Flimwell, East Sussex, and Slough, Bucks.

(4057) – – ex larva *Mamestra pisi*, Slough, Bucks.

(4058) – – ex spun larva of *Porthesia chrysorrhoea* (= *Euproctis similis*), Stoke Common, Bucks.

(4059) *Phryxe nemea* ex *Dianthoecia* ?*capsincola* (= *Hadena bicruris*), Chalfont, Bucks.

Ex *Taeniocampa* (= *Orthosia*) *miniosa*, Warley Common, Essex, EAGLES: (4060) 6 *Pales pavida*, (4061) 1 *Voria trepida* (= *Athrycia trepida*), and (4062) 1 *Ptychomyia selecta* var. *fugax* (= *Bessa parallela*).

SAALAS 1936

(4063) Tachinid puparia (misid.) found besides a pinned adult *Prionus coriarius* in an insect box. – The flies hatched from these puparia were identified by TIENSUU as *Parasarcophaga aratrix*, Sarcophagidae (see SAALAS 1943: 23).

SCHIMITSCHEK 1936a

The records published previously by the author (1930, 1931, 1935) and by SCHÖNWIESE 1935 are repeated and the following ones added [these two records were also already mentioned by SCHIMITSCHEK 1935, pp. 208, 209]:

(4064) p. 563: *Arrhinomyia cloacella* (prb. misid. or host wrong, identity unknown) ex *Nematus abietinus* (= *Pristiphora abietina*), Wieselburg/Erlauf (A). – *A. cloacella* (= *Elodia ambulatoria*) is a parasite of Tineidae.

(4065) *Ptychomyia selecta* (= *Bessa selecta*) ex *Nematus* (= *Pristiphora*) *erichsoni*, Southern Moravia (CS).

SCHIMITSCHEK 1936b

Ex *Cacoecia* (= *Choristoneura*) *murinana* (pp. 585–586), Helenenthal/Baden (A), reared 1877 by WACHTL and cited here from his unpublished notes: (4066) *Prosopaea fugax* (= *Bessa parallela*), (4067) *Nemorilla maculosa* [published by WACHTL 1886, = no. 888], and (4068) *Myxexorista grisella* (= *Zenillia dolosa*).

(4069) p. 591: *Ptychomyia selecta* (prb. misid. = prb. *Bessa parallela*) ex *C.* (= *Choristoneura*) *murinana*, reared by the author, Klausen-Leopoldsdorf near Baden (A). – Cited also 1936a: 561.

SÉGUY 1936

(4070) p. 325: *Acemyia calloti* n. sp. (= *Metacemyia calloti*) ex *Acridium* (= *Anacridium*) *aegyptium*, El Aouina (Tunisia), CALLOT.

VUKASOVIĆ 1936

Ex *Lymantria dispar*, Yugoslavia, p. 73: (4071) *Compsilura concinnata*, and (4072) *Eutachina larvarum* (= *Exorista larvarum*).

ZORIN 1936

Ex kapustnaya sovka (= *Mamestra brassicae*), St. Petersburg: (4073) *Ernestia consobrina* (= *Eurithia consobrina*) (up to 88 % in a garden), and (4074) *Bucentes geniculata* (prb. misid. = prb. *Siphona cristata*) (less than 2 %).

ZVORYKINA 1936

(4075) [p. 77: *Compsilura concinnata*, *Voria ruralis* and *Sturmia bella* (the latter the most important one) ex *Pyrameis* (= *Vanessa*) *cardui*, Georgia, 1933.]

AUDCENT 1937

(4076) p. 209: *Compsilura concinnata* ex *Acronicta psi*, Long Ashton, Somerset, J. V. BLACHFORD.

(4077) *Panzeria nielseni* (= *Ernestia laevigata*) ex *Taeniocampa* (= *Orthosia*) *populeti*, Shapwick, Somerset, A. H. PEACH.

BELANOVSKY 1937

(4078) p. 220: *Graphogaster maculata* n. sp. (= *Pandelleia sexmaculata*, pers. comm. by V. RICHTER) [published by RICHTER 1986] ex *Psalidium maxillosum*, Armawir [= Armavir] (North Caucasus, Russia).

(4079) *Larvivora cinerascens* var. *nigroscutellata* (= *Exorista civilis*) ex *Loxostege sticticalis*, Voronesh (Russia).

BERGOLD & RIPPER 1937

Ex *Rhyacionia buoliana*, Burgenland (Austria), pp. 397, 399, 411: (4080) *Lypha dubia* (6.5 %), and (4081) *Actia nudibasis* (1.7 %). – Average parasitization in the year 1935.

[BODENHEIMER 1937, see KUGLER 1966]

CALLOT 1937

Locality: Richelieu (Indre-et-Loire, F). *Acemyia acuticornis*, det. SÉGUY (or misid. = *A. rufitibia* ?), ex (4082) *Pezotettix giornai*, (4083) *Stauroderus* (= *Chorthippus*) *mollis*, (4084) *S.* (= *C.*) *bicolor*, (4085) *S.* (= *C.*) *biguttulus*, (4086) *Euchorthippus pulvinatus*, and (4087) *Chorthippus dorsatus*.

CARPENTER 1937

Ex *Zygaena filipendulae*, Mawgan Porth, Cornwall: (4088) *Tachina larvarum* (= *Exorista larvarum*), det. COLLIN.

Ex *Zygaena lonicerae* and/or *Z. filipendulae*, various localities in Britain, HEWER: (4089) *Phryxe nemea*, and (4090) *Eutachina fasciata* (= *Exorista fasciata*), det. AUBERTIN.

FAGGIOLI 1937

Tachinidae det. VILLENEUVE. Localities near Bologna, unless otherwise stated.

(4091) p. 184: *Viviania cinerea* (= *Zaira cinerea*) ex *Carabus coriaceus*.

(4092)* p. 185: *Actia crassicornis* ex *Depressaria subpropinquella*.

(4093)* *Nemorilla floralis* (misid. = *Nemorilla maculosa*) ex *Semasia* (= *Zeiraphera*) *diniana*, Fieri, Val d'Aosta (Italian Alps).

Ex *Euproctis chrysorrhoea*, pp. 189–190: (4094) *Compsilura concinnata*, (4095)* *Sturmia nidicola* (= *Townsendiellomyia nidicola*), and (4096)* *Pales pavida*.

(4097) p. 192: *Sturmia nidicola* (= *Townsendiellomyia nidicola*) ex *Thaumetopoea pityocampa*. – Unlikely.

FRANSEN 1937

Ex *Diprion pini*, Hoge Veluwe (NL), pp. 400, 406: (4098) *Sturmia inconspicua* (= *Drino inconspicua*), and (4099) *Diplostichus tenthredinum* (= *Diplostichus janitrix*).

[GETZENDANER 1937, see TSCHORSNIG 2017]

HALL 1937

(4100)* p. 205: *Zenillia nox* n. sp. (= *Myxexoristops stolida*) ex *Nematus* (= *Pristiphora*) *erichsoni*, Hokkaido, Japan. – Type seen and redetermined by HERTING 1964.

HOLIK 1937

Ex *Zygaena punctum*, tachinids det. RIEDEL, Pollauer Berge, Southern Moravia, p. 40: (4101)* *Ceratochaeta prima* (= *Phryxe prima*), (numerous; 1 ♂ in coll. RIEDEL), and (4102) *Tachina larvarum* (= *Exorista larvarum*) (one specimen).

[JÄNNER 1937, see TSCHORSNIG 2017]

KARL 1937

Reared by NOACK, Stettin (= Szczecin, PL), unless otherwise stated.

(4103) p. 145: *Winthemia ligustri* (= *Winthemia cruentata*) ex *Sphinx ligustri*, KLEINE.

(4104) *Exorista affinis* (= *Huebneria affinis*) ex *Arctia caja*, (4105) *Arctia* (= *Hyphoraia*) *aulica*, and (4106) *Phragmatobia fuliginosa*.

(4107) p. 146: *Phryxe nemea* ex *Dianthoecia capsincola* (= *Hadena bicruris*).

(4108) p. 147: *Compsilura concinnata* ex *Acronicta rumicis*, and (4109) *Stilpnotia* (= *Leucoma*) *salicis*.

(4110) p. 148: *Pales pavida* ex *Diloba coeruleocephala*.

(4111) *Phorocera silvestris* (= *Parasetigena silvestris*) ex *Arctia caja*.

(4112) *Salia obliquata* (= *Chaetogena obliquata*) ex *Lasiocampa trifolii*.

(4113) p. 149: *Tricholyga sorbillans* (misid. = *Exorista grandis*) ex *Eudia* (= *Saturnia*) *pavonia*, and (4114) *Dicranura* (= *Cerura*) *vinula*.

(4115) p. 150: *Actia nudibasis* ex *Evetria* (= *Petrova*) *resinella*.

MEYER 1937

(4116) pp. 333–334: *Cistogaster globosa* locally common parasite of *Aelia acuminata*, Nordrhein prov. (D). Eggs depos-

ited on the abdominal tergites below the elytra (fig. 6), up to 9 eggs on one host.

MORRIS et al. 1937

(4117) pp. 386–387: *Sturmia inconspicua* (prb. misid. = prb. *Drino bohemica*) ex *Diprion polytomum*, Erzgebirge (Saxony, D), Brdy Wald (Bohemia), usually less than 1 %.

(4118) – – (= *Drino inconspicua*) ex *Diprion* (= *Neodiprion*) *sertifer*, Wiener Neustadt (Austria) up to 65 %, Iszák (Hungary) 5 % [+ Riesengebirge (Poland or Czech Republic)].

(4119) – – ex *Diprion pini*, Poland, 20–30 %.

PUSSARD 1937

(4120) p. 391: *Nemorilla floralis* var. *maculosa* (= prb. *Nemorilla maculosa*) ex *Sophronia humerella*, Saint-André-les-Alpes (Haute-Provence, F).

RIEDEL 1937

Reared by A. PETRY, localities in Thüringen (D), unless otherwise stated.

(4121) *Eurythia caesia* ex *Dianthoecia* (= *Hadena*) sp., Netzkater, Harz mts.

(4122) *Nemorilla floralis* ex *Depressaria putridella*, Mt. Kyffhäuser.

(4123) *Phryno vetula* ex *Calymnia trapezina*, Sachsenburg.

(4124) *Phryxe vulgaris* (prb. misid. = prb. *Phryxe magnicornis*) [not necessarily *P. magnicornis* because *P. vulgaris* was confirmed from this host by several breedings] ex *Zygaena fausta*.

(4125) *Neopales pavida* (= *Pales pavida*) ex *Vanessa* sp., Corsica.

(4126)* *Gonia fasciata* (= *Gonia picea*) ex *Charaeas* (= *Cerapteryx*) *graminis*, Trautenstein, Harz mts.

(4127)* *Onychogonia cognata* (= *Pseudogonia parisiaca*) ex *Emydia* (= *Coscinia*) *bifasciata*, Corsica.

(4128) *Elodia tragica* (= *Elodia morio*) ex galls of *Cynips terminalis* (= *Biorhiza pallida*), Mt. Kyffhäuser. – The host was prb. *Pammene albuginana* (*gallicolana* sensu auct.) [not necessarily *P. albuginana* because the two different species *P. albuginana* und *P. gallicolana* develop both in *Biorhiza* galls], a tortricid living in these galls.

(4129) *Actia crassicornis* ex *Depressaria bupleurella*, Mt. Kyffhäuser.

(4130) *Wagneria lentis* (= *Ramonda spathulata*) ex *Oxyptilus hieracii*, Jena. [A pterophorid would be very atypical because only noctuids are known as hosts of *R. spathulata*.]

SAITO 1937

(4131) p. 234: *Tachina larvarum* (prb. misid. = prb. *Exorista japonica*) ex *Malacosoma neustria testacea*, Japan.

STEINER 1937

Ex *Laphygma* (= *Spodoptera*) *exigua*, Uşak (TR), det. KRAMER or ENGEL, p. 212: (4132) *Tachina rustica* (prb. misid., identity unknown; *Exorista rustica* is a parasite of Tenthredinidae), (4133) *T. fallax* (= *Exorista xanthaspis*), (4134) *Sturmia inconspicua* (prb. misid. = prb. *Drino imberbis*), (4135) *Microphthalma disjuncta* (misid. or host wrong); *Microphthalma europaea* parasitizes melolonthid grubs), (4136) *Echinomyia magnicornis* (= *Tachina magnicornis*), and (4137) *Voria ruralis*.

VILLENEUVE 1937 see RIEDEL 1930: 265

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