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## Genera Encyrtidarum regionis palaearticae

## Auctoribus

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Post tabellas dichotomicas MAYRI et THOMSONI (1875), quae genera et species huius familiae delicatissimae amplexae sunt, publicatio talis tabellae a MERCET (1921) facta progressus magnos in systemate Encyrtidarum significavit. At decenniis elapsis variationes in nomenclatura, novaeque detectiones in systemate fortius in dies postulaverunt confectionem novarum tabellarum. Hoc et factum est duobus operibus eximiis editis, quarum una a NIKOLSKAJA (1952), altera a FERRIÈRE (1953) publicata est.

Eodem tempore, independenter ab his duabus tabellis ultimis, constituimus unam tabellam dichotomicam pro generibus Encyrtidarum Hungariae. Problemata systema Encyrtidarum spectantia in praevisis epistolis amplis inter nos mutatis dissolvere nitebamur, tandem, tamquam

fructus harum discussionum, ERDŐS in formam tabellae redegit, NOVICKY vero acceptavit. Interim apparuerunt duae tabellae supra laudatae, quibus, necnon descriptionibus generum novorum a HOFFER editis, in rectificatione et complemento tabellae nostrae usi sumus.

Annuntiare debemus, quod tempus conficiendi tabellas definitivas in familia Encyrtidarum nondum advenerit. De die enim in diem de- teguntur genera nova, quae indescripta videntur. Dein genera extranea, inter ea exotica, quorum descriptiones originales propter brevitatem pro nobis inscrutabiles, vel etiam inadipiscibiles erant, in futuro per re- descriptionem dilucidabuntur. — Attamen speramus, quod uti tabella provi- sorica nunc temporis studiosos in determinatione multum iuvare possit, cum in confectione eius scopos praticos magis vigere, characteresque plus-minus faciliter dignoscibiles aptare contenderimus.

Distributionem generum in tribus vel subtribus absolute a tabella generum, auctoritate TIMBERLAKE-i (1923, p. 58) sic contemplamus.

- Subfamilia *Arrhenophaginae* Merc. (1921),  
 ,, *Antheminae* Merc. (1922),  
 ,, *Encyrtinae* How. (1886).

#### I. Tribus *Pseudorhopini* nov.

Species non metallica, funiculo in utroque sexu 5-articulato, nervo submargi- nali brevi, marginali punctiformi, radiali et postmarginali rudimentariis. Unicum genus *Pseudorhopus* Timb.

#### II. Tribus *Leptomastidini* nov.

Species sordide testaceae, vel ravae, raro metallico-micantes; mandibulae biden- tatae; vertex latus, orbitis internis subparallelis; antennae funiculo 6-articulato, in genere tantum *Anomalicornia* Merc. 7-articulato, in ♀♀ raro breves et clavatae, in ♂♂ longe-pilosae pilis fere verticillatis; alae raro maculatae, postmarginali saepius rudimentario; formae brachypterae non rarae.

Subtribus *Rhopina*: *Rhopus* Först., *Doliphoceras* Merc., *Platyropus* Erd.;

subtribus *Anusiina*: *Anusia* Först., *Asitus* Erd., *Ioessa* Erd.;

subtribus *Leptomastidina*: *Anomalicornia* Merc., *Xanthoëctroma* Merc., *Leptomastidea* Merc., *Callipteroma* Motsch., *Leptomastix* Först., *Anagyrus* How., *Thomsonisca* Ghesqu.

#### III. Tribus *Quadrencyrtini* Hffr. (1953).

Corpus valde deplanatum, ocellis absentibus, pronoto magno, scutello et scuto mesonoti fortiter abbreviatis, mandibulis 4-dentatis, alis rudimentariis. Unicum ge- nus *Quadrencyrtus* Hffr.

#### IV. Tribus *Ectromini* Ashm. (1900).

Mandibulae bidentatae; antennae ♂♂ et ♀♀ similes; corpus raro metallicum; pro- notum grande; alae saepe parvae, evolutae ordinarie maculatae.

Subtribus *Ectromina*: *Dinocarsis* Först., *Dicarnosis* Merc., *Dinocarsiella* Merc., *Dusmetia* Merc., *Ectroma* Westw., *Aquaencyrtus* Hffr.;

subtribus *Ericydnina*: *Ericydnus* Walk., *Clausenia* Ishii.

V. Tribus *Mirini* Ashm. (1900).

Mandibulae 3-dentatae; antennae funiculo 6-articulato, saepe deplanato; pronotum grande, scutum mesonoti breve, transversum; terebra ♀ saepe exserta; alae rarius evolutae, tunc fere semper maculatae; color corporis ordinarie testaceus, saepe metallico-maculatus, raro integre metallicus. Tribus sat heterogenea! Genera: *Metalton* Walk., *Mira* Schellenb., *Metanotalia* Merc., *Baeocharis* Mayr, *Echthroplexiella* Merc.

VI. Tribus *Aphycini* Hffr. (1954).

Mandibulae 3-dentatae; funiculus 5—6-articulatus, clava in ♀♀ 2—3-articulata, in ♂♂ solida, scapus saepe valde dilatatus; dimorphismus sexualis sat exiguus; alae nervo marginali brevi, formae brachypterae sat frequentes; color corporis ordinarie testaceus, albosignatus, vel plus-minus rarus. Genera: *Stemmatosteres* Timb., *Timberlania* Merc., *Aphyculus* Hffr., *Pseudaphycus* Timb., *Aphycus* Mayr, *Homalotyloidea*, Merc., *Pezaphycus* Nov., *Aenasioidea* Grt., *Paraenasioidea* Hffr., *Waterstonia* Merc., *Heterarthrellus* How., *Paraphycus* Grt.

VII. Tribus *Microteryni* nov.

Mandibulae 3-dentatae, dentibus nonnunquam parum evolutis; funiculus 6-articulatus, in genere *Bircus* nov. 3-articulatus, scapo simplici vel dilatato, clava in ♀♀ ordinarie 3-articulata; alae raro rudimentariae, hyalinae vel maculatae; subtribus longitudine marginalis, situque radialis, necnon convexitate thoracis coagmentantur, prima sculptura corporis, secunda insuper antennae ♂♂ ramosis.

Subtribus *Blastotrichina*: *Blastothrix* Mayr;

subtribus *Parablastotrichina*: *Parablastothrix* Merc., *Calometopia* Merc.;

subtribus *Prionomitina*: *Prionomitus* Mayr, *Psyllaephagus* Ashm., *Psylledontus* Crawf., *Metaprionomitus* Merc., *Superprionomitus* Merc., *Cerchysius* Westw., *Coccidencyrus* Ashm., *Neococcidencyrus* Comp., *Aphycoides* Merc., *Schedioides* Merc., *Ooencyrtus* Ashm.;

subtribus *Microteryna*: *Aphidencyrus* Ashm., *Adelencyrtus* Ashm., *Paraschediella* Hffr. (?), *Sceptrophorus* Först., *Pseudencyrtus* Ashm., *Syrphophagus* Ashm., *Paraphaenodiscoides* Merc., *Microterys* Thoms., *Biróus* nov., *Epiencyrtus* Ashm., *Trichomasthus* Thoms.;

subtribus *Mayridiina*: *Parasyrphophagus* Grt., *Subprionomitus* Merc., *Ceballosia* Merc., *Mayridia* Merc., *Platyencyrtus* nov.

VIII. Tribus *Trechnitini* nov.

Mandibulae 4-dentatae; funiculus 5-articulatus in ambabus sexibus; scutellum planum, triangulare; alae hyalinae, nervi ut in *Prionomitus* Mayr formati; corpus metallicum, scutellum sericeo-micans. Genera: *Trechnites* Thoms., *Metallonoidea* Grt. (?).

IX. Tribus *Copidosomini* nov.

Mandibulae 3-dentatae; antennae funiculo 6-articulato, in genere *Holcothorax* Mayr 5-articulato, clava 3-articulata vel integra; thorax squamoso-reticulatus, vel striolatus, valde convexus; alae saepius rudimentariae, evolutae raro parum fumatae, nervis fere ut in *Prionomitus* Mayr formatis; abdomen saepe in ♀♀ terebra exserta. Subtribus sculptura thoracis ordinantur.

Subtribus *Copidosomina*: *Paralitomastix* Merc., *Litomastix* Thoms., *Copidosoma* Ratzb.;

subtribus *Ageniaspidina*: *Ageniaspis* Dahlb., *Holcothorax* Mayr, *Parageniaspis* Ms., *Geniaspidius* Ms., *Athesmus* nov.

X. Tribus *Homalotylini* Hffr. (1953).

Corpus obscure metallicum, vel ravum flavo-pictum; madibulae 3 dentatae; antennae fere uniformes in ambabus sexubus, funiculo 6-articulato, articulis brevibus et breviter pilosis, clava solida vel 3-articulata, ordinarie apice oblique, vel valde oblique truncata; corpus opacum, vel laeve; alae raro abbreviatae, saepe unimaculatae vel hyalinae, nervo marginali brevi, radiali sat longo, saepe fere perpendiculari; abdomen robustum, sat breve, terebra nonnunquam exserta. Genera: *Homalotylus* Mayr, *Isodromus* How., *Eupoecilopoda* Nov. & Hffr., *Echthroplexis* Forst.

XI. Tribus *Encyrtini* Ashm. (1900).

Mandibulae breves et robustae, non dentatae, sed late mutilatae; corpus non metallicum, nigrum vel flavo-, fulvoque signatum; scutellum saepe fasciculato-pilosum; alae evolutae, ordinarie maculatae, nervo radiali longo; abdomen ♀ terebra recondita. Genera: *Encyrtus* Latr., *Prionomastix* Mayr.

XII. Tribus *Bothriothoracini* How. (1895).

Mandibulae 2- vel 3-dentatae; corpus robustum, capite vel etiam thorace saepe gemmato-punctatis; antennae saepissime similes in ambabus sexubus, in ♂♂ raro ramosae, funiculo 6-articulato; alae saepe fumatae, raro rudimentariae, evolutae sat breves et amplae; abdomen sat breve, terebra ♀♀ ordinarie recondita. Subtribus sculptura corporis, forma et structura alarum dividuntur.

Subtribus *Bothriothoracina*: *Zeteticontus* Silv., *Bothriothorax* Ratzb., *Coccidoxenus* Crawford., *Eucantabria* Merc., *Rhinoencyrtus* Merc., *Euzkadiella* Merc., *Aminellus* Ms.;

subtribus *Ixodiphagina*: *Hunterellus* How., *Ixodiphagus* How.;

subtribus *Discodina*: *Eugahania* Merc., *Discodes* Först., *Monodiscodes* Hffr., *Choreia* Westw., *Choreaspis* Hffr., *Semen* Hffr., *Metaphaenodiscus* Merc., *Paraphaenodiscus* Grlt.;

subtribus *Tetralophideina*: *Tetralophidea* How., *Ramalia* Merc., *Pentacnemus* How.;

subtribus *Coenocercina*: *Hoploopsis* Destef., *Coenocercus* Thoms., *Agromyzaephagus* Gah., *Ginsiana* nov.

XIII. Tribus *Tetracnemini* How. (1892).

Mandibulae 2-dentatae; antennae ♀♀ elongatae, filiformes, non deplanatae, scapo longo, basi clavato, funiculo 5-6-articulato, clava 3-articulata, ♂♂ 4-ramosae; alae hyalinae, raro subfulvae, radiali sat longo, non punctiformi; abdomen ♀ terebra recondita; corpus metallicum, abdomen in una specie flavum. Genera: *Tetracnemus* Westw., *Charitopus* Först., *Hungariella* Erd.

XIV. Tribus *Habrolepini* nov.

Mandibulae 3-dentatae, raro 2-dentatae; antennae ♀♀ funiculo 6-articulato, saepe valde depresso, clava solida vel 3-articulata, nonnunquam maxima, in ♂♂ articulis funiculi verticillatis vel ramosis; scutellum saepius fasciculo pilorum ornatum; alae ordinarie angustae, maculatae vel hyalinae, praemarginali saepe triangulariter dilatato, marginali longo, radiali sessili, punctiformi; corpus gracile, pulchre metallicum, saepe flavo-signatum, abdomen ♀♀ saepe terebra exserta. Tribus sat heterogenea, subtribus respectu antenarum et nervatura alarum statuuntur.

Subtribus *Tetracladiina*: *Tricnemus* Merc., *Calocerinus* How., *Tetracladia* How.;

subtribus *Mayrencyrtina*: *Mayrencyrtus* Hincks, *Leiocyrtus* nov., *Boučekiella* Hffr.;

subtribus *Chiloneurina*: *Chiloneurus* Westw., *Apterencyrtus* Ashm., *Prochiloneurus* Silv., *Achrysofopogus* Grlt., *Tineophoctonus* Ashm.;

subtribus *Tyndarichina*: *Tyndarichus* How., *Protyndarichus* Merc.,

subtribus *Habrolepina*: *Cerapterocerus* Westw., *Eusemion* Dahlb., *Parousemion* Ishii, *Comperiella* How., *Habrolepis* Forst., *Anabiolepis* Timb.

XV. Tribus *Cercobelini* nov.

Antennae funiculo 4-articulato, articulis subquadratis; alae hyalinae, nervo marginali longo, vel aequae longo ac lato. Genera: *Cercobelus* Walk., *Plagiomerus* Crawf.

Tabella dichotomica generum regionis palaearcticae

Propter descriptionem brevem non potuimus assumere genera *Heterencyrtus* Hffr. (1953), *Paraenasioides* Hffr. (1953) et *Paraschediella* Hffr. (1954).

♀♀

- |   |  |
|---|--|
| 1. Antennae absque funiculo, annellis binis   |  |
|   | <i>Arrhenophagus</i> Aur. 1888.<br>(typus: <i>A. chionaspidis</i> Aur.)  |
| Antennae funiculo evoluto   | 2  |
| 2. Alae longae, Mymaridarum instar formatae, marginibus antico et interno parallelis, fimbria valde longa, nervo marginali punctiformi, radio et postmarginali absentibus |  |
|   | <i>Anthemus</i> How. 1896.<br>(typus: <i>A. chionaspidis</i> How.)       |
| Proalae plus-minus rotundato-triangulares, fimbria moderata, ramis nervaturae evolutis, postmarginali interdum reducto  | 3  |
| 3. Funiculo 3—4-articulato  | 4  |
| Funiculo 5—7-articulato   | 6  |
| 4. Funiculo 3-articulato  | <b><i>Birbus</i></b> n. g.<br>(typus: <i>B. anomalus</i> n. sp.)         |
| Funiculo 4-articulato   | 5  |
| 5. Articulus primus funiculi pedicello aequilongus  |  |
|   | <i>Cercobelus</i> Walk. 1840.<br>(typus: <i>C. jugaeus</i> Walk.)        |
| Articuli 1—2 funiculi simul sumpti pedicello breviores  |  |
|   | <i>Plagiomerus</i> Crawf. 1910.<br>(typus: <i>P. diaspidis</i> Crawf.)   |
| 6. Funiculus 7-articulatus, clava biarticulata  | 7  |
| Funiculus 5-articulatus   | 8  |
| Funiculus 6-articulatus   | 15   |
| 7. Corpus sordide avellaneum, fere laeve et insculpturatum  |  |
|   | <i>Anomalicornia</i> Merc. 1921.<br>(typus: <i>A. tenuicornis</i> Merc.) |
| Corpus nigrum, densissime coriaceum, opacum   |  |
|   | <b><i>Athesmus</i></b> n. g.<br>(typus: <i>A. luctuosus</i> n. sp.)      |
| 8. Corpus maxima parte testaceum  | 9  |
| Corpus obscurum vel metallicum  | 12   |

9. Testaceus, hic-illie brunnescens, thorax insculpturatus; articuli funiculi quadrati *Pseudorhopus* Timb. 1926.  
(syn.: *Rhopus* auct. nec Först.; typus: *Encyrtus testaceus* Ratzb.)  
Testaceus, thorax opacus, evidenter coriaceus; articuli funiculi transversi 10
10. Perparvus, apterus ocellis absentibus  
*Stemmatosteres* Timb. 1948.  
typus: *S. apterus* Timb.) 11
- Ocellis bene evolutis; clava biarticulata 11
11. Species maiores, sordide testaceae, obsolete brunneomaculatae; terebra  $\frac{1}{3}$  abdominis exserta; denticulus medius mandibularum maximus; funiculus plus-minus rarus, clava albida  
*Pseudaphycus* Clausen 1915.  
(typus: *Aphycus angelicus* How.)  
Species minores, fere unicoloriter aurantiaco-flavae; terebra parum exserta; flagellum non bicoloratum 11a
- 11a. Convexus, fronte lata, pronoto sat longo  
*Timberlalkia* Merc. 1925.  
(syn.: *Acerophagus* Merc. nec. Smith; typus: *Acerophagus europaeus* Merc.)  
Deplanatus, fronte angustiore ocellis in triangulum aequilaterale dispositis, pronoto brevissimo  
*Aphyculus* Hffr. 1954.  
(typus: *A. zavadili* Hffr.)
12. Metallice viridis vel violaceo-cyaneus 13  
Niger capite cyaneo-viridi vel violaceo; thorax densissime striolatus; scutellum convexum *Holcothorax* Mayr 1875.  
(typus: *Encyrtus testaceipes* Ratzb.)
13. Nervus marginalis bis longior quam latus, radiali longior  
*Metallonoidea* Grt. 1915.  
(typus: *M. britannica* Grt.)  
Nervus marginalis punctiformis, radiali brevior 14
14. Scapus longus, infra incrassatus; scutellum convexum; alae nervo marginali evoluto  
*Hungariella* Erd. 1946.  
(syn.: *Tetracnemus* Timb. nec Westw.; typus: *H. piceae* Erd.)  
Scapus linearis; scutellum deplanatum pulchre sericeum; nervus marginalis fere nullus  
*Trechnites* Thoms. 1875.  
(syn.: *Metallon* auct. nec Walk.; typus: *T. fuscitarsis* Thoms.)
15. Species brachypterae: alae a tegulis apicem abdominis non attingentes 16  
Species macropterae 46

16. Axillae, tegulae et propodeum valde magna, scutellum par-  
vum; propodeum mesothorace latius  
*Metanotalia* Merc. 1921.  
(typus: *M. hispanica* Merc.) 17
- Partes enumeratae corporis normaliter evolutae
17. Flagellum, saepe etiam scapus, latissimum articulis funiculi  
fortiter transversis et lamelliformiter depressis 18  
Scapus linearis vel modice dilatatus articulis funiculi cylin-  
dricis vel apicalibus parum deplanatis 21
18. Funiculus cum clava foliaceo-dilatatus, medio latissimus  
*Mira* Schellenb. 1803.  
(typus: *M. macrocera* Schellenb.)
- Funiculus fere parallelus, vel apicemversus modice attenuatus 19
19. Terebra longitudine dimidium abdominis efficiens  
*Tetracladia* How. 1892.  
(syn.: *Anusia* Mayr partim, *Paracalocerinus* Grlt., *Masia* Merc.,  
*Anusiella* Merc., *Placoceras* Erd.; typus: *T. texana* How.)
- Terebra recondita 20
20. Species gracilis, deplanata; funiculus parallelus; thorax fere  
laevis  
*Anusia* Först. 1856.  
(typus: *Ectroma fulvescens* Westw.)
- Species robustae et elatae, fortiter coriaceae; articuli funiculi  
longiores et versus clavam angustiores  
*Dicarnosis* Merc. 1921.  
(typus: *D. superba* Merc.)
21. Species minima, corpore laevi, alis absentibus; pronotum  
scuto mesonoti longius; corpus ravum, scuto mesonoti,  
scutello, propodeo et pedibus testaceis  
*Quadrencyrtus* Hffr. 1953.  
(typus: *Qu. paradoxus* Hffr.)
- Species aliter constructae 22
22. Funiculus valde brevis, articulis cunctis latioribus ac longis,  
clava magna, fere funiculo aequilonga 23  
Articuli funiculi longiores, si breves, tunc clava funiculo mul-  
to breviora 26
23. Corpus opacum, sordide albidum; articuli funiculi valde breves,  
apicales ter latiores quam longi  
*Pezaphycus* Nov. 1928.  
(syn.: *Aphycus* Erd. nec Mayr; typus: *P. obenbergeri* Nov.)
- Magis flavi, testacei vel lutei 24
24. Pronotum longum, fere scuto mesonoti aequilongum; corpus  
elongatum; terebra exserta  
*Echthroplexiella* Merc. 1921.  
(typus: *E. submetallica* Merc.)
- Pronotum breve; corpus magis obesum 25

25. Scapus linearis *Aphycus* Mayr 1875.  
 (syn.: *Euaphycus* Merc., typus: *Encyrtus apicalis* Dalm.)  
 Scapus foliaceo-dilatatus *Metaphycus* Merc. 1921.  
 (typus: *Encyrtus punctipes* Dalm.) 27
26. Funiculus apice deplanato 28  
 Funiculus cum clava cylindricus 28
27. Corpus maxima parte metallicum; funiculus solum apice deplanatus  
*Metallon* Walk. 1848.  
 (syn.: *Pezobius* Först.; typus: *Encyrtus aeneiventris* Walk.)  
 Corpus obscure metallicum, scutello abrupte flavo; fere cuncti  
 articuli funiculi deplanati *Baeocharis* Mayr 1875.  
 (typus: *B. pascuorum* Mayr)
28. Corpus opacum, fortiter coriaceum, non metallicum, parce vel  
 densius squamulis argenteis inspersum 29  
 Corpus plus-minus nitens, absque squamulis argenteis 32
29. Scutellum triangulare; pedicellus articulo 1-o funiculi brevior 31  
 Scutellum breve, postice truncatum vel late rotundatum;  
 pedicellus articulo 1-o funiculi longior 30
30. Fere unicolor: ferrugineo-luteus; corpus robustum; scutellum  
 apice truncatum; antennae albo-signatae  
*Dusmetia* Merc. 1921.  
 (typus: *D. ceballosi* Merc.)  
 Corpus nigrum, magis tenue; scutellum apice late rotundatum;  
 antennae obscurae *Aquaencyrtus* Hffr. 1952.  
 (typus: *A. bohemicus* Hffr.)
31. Corpus nigrum; proalae squamiformes, coriaceae, basin pro-  
 podei non transgredientes *Dinocarsis* Först. 1856.  
 (typus: *Encyrtus hemipterus* Dalm.)  
 Corpus pulcherrime bicolor: nigrum cum amplis vittis citrinis;  
 proalae obscure fasciatae, medium abdominis attingentes  
*Dinocarsiella* Merc. 1921.  
 (typus: *Anagyrsus alpinus* Grt.)
32. Funiculus brevis, crassus, scapo fere semicirculariter dilatato;  
 thorax sublaevis, nitens *Paraphaenodiscus* Grt. 1915.  
 (syn.: *Aschitus* Merc.; typus: *P. verus* Grt.)  
 Aliter constructus 33
33. Scutellum basi duobus punctis profundis ornatum; funiculus  
 longus; corpus maxima parte testaceum, metallico-micans,  
 mesonotum cum scutello laeve *Ectroma* Westw. 1833.  
 (typus: *Eupelmus rufus* Dalm.)  
 Scutellum basi absque punctis profundis 34
34. Proalae coriaceae, nigrae 35  
 Proalae non coriaceae, molles 37



35. Scutum mesonoti sulcis parapsidalibus leniter, sed observabiliter incisus  
*Choreia* Westw. 1833.  
 (typus: *Encyrtus ineptus* Dalm.) 36
- Scutum mesonoti absque sulcis parapsidalibus
36. Corpus convexum, non metallicum; antennae elongatae, graciles, articulis basalibus funiculi longioribus ac latis  
*Semen* Hffr. 1954.  
 (typus: *S. apterum* Hffr.)
- Corpus planum, latum; caput et thorax metallica, nigro-cyanea; antennae sat crassae et breves, articulis funiculi subquadratis  
*Choreaspis* Hffr. 1954.  
 (typus: *C. stepicola* Hffr.)
37. Corpus elongatum, abdomine a lateribus compresso, terebra longa; antennae longae, clava longa, cylindrica, leniter arcuata  
*Copidosoma* Ratzb. 1844.  
 (typus: *C. bouchéanum* Ratzb.) 38
- Corpus magis obesum, abdomine non compresso
38. Scutellum acute longitudinaliter striolatum; corpus metallicum  
*Protyndarichus* Merc. 1923.  
 (syn.: *Tyndarichoides* Merc.; typus: *Tyndarichoides metallicus* Merc.)
- Scutellum simpliciter punctatum vel coriaceum 39
39. Corpus parvum, sat angustum et deplanatum, flavum vel avellaneum; vertex brevis, orbitis internis parallelis; abdomen elongatum, stigmatibus setiferis in triente basali  
*Rhopus* Först. 1865.  
 (syn.: *Xanthoencyrtus* Ashm., *Mirastymachus* Grlt., *Pholidoceras* Merc.; typus: *Encyrtus piso* Walk.)
- Corpus convexum, si parum deplanatum, tunc metallicum stigmatibus setiferis in triente apicali; caput magis crassum, orbitis internis versus os divergentibus 40
40. Funiculus in dimidio apicali articulis 2—3 albis 41  
 Funiculus non albo-annulatus 42
41. Scapus parum dilatatus, articuli funiculi fere aequilongi  
*Microterys* Thoms. 1875.  
 (syn.: *Encyrtus* auct. nec Latr.; typus: *Encyrtus sylvius* Dalm.)
- Scapus cylindricus, 3 primi articuli funiculi valde parvi, moniliformes, sequentes 3 maiores  
*Neococcidencyrtus* Comp. 1928.  
 (syn.: *Coccidencyrtus* Merc. partim; typus: *N. alula* Comp.)
42. Scutellum triangulare, planum, postice in membranam subhyalinam, albidam productum  
*Ericydnus* Walk. 1837.  
 (typus: *Encyrtus ventralis* Dalm.)

- Scutellum plus-minus convexum, absque appendice membranacea 43
43. Clava antennarum oblique truncata  
*Echthroplexiella* Merc. 1921.  
 (syn.: *Waterstonia* Hffr. nec. Merc.; Typus: *E. submetallica* Merc.)
- Clava antennarum ovalis 44
44. Mesonotum leniter deplanatum; terebra exserta; corpus maxima parte viride, basi abdominis flava *Ceballosia* Merc. 1921.  
 (typus: *C. dusmeti* Merc.)
- Mesonotum convexum; terebra recondita 45
45. Sat elongata; alae semievolutae dimidium abdominis attingentes, apice fumatae *Mayridia* Merc. 1921.  
 (typus: *M. pulchra* Merc.)
- Corpus breve et altum; abdomen breve, latum; rudimenta alarum hyalina, dimidium abdominis attingentes; scutellum breve, dilatatum, dense et acute coriaceum
- Ooencyrtus* Ashm. 1900.  
 (syn.: *Schedius* How.; typus: *Encyrtus clysiocampae* Ashm.)
46. Apex scutelli fasciculo pilorum ornatus 47  
 Scutellum absque fasciculo pilorum 51
47. Terebra dimidium abdominis efficiente; proalae fumatae vel maculatae *Achrysoophagus* Grlt. 1915  
 (typus: *A. oviductus* Grlt.)
- Terebra recondita vel fere recondita 48
48. Pili apicales scutelli albidi, non densi; vertex gemmato-punctatus *Aminellus* Ms. 1919.  
 (typus: *A. niger* Ms.)
- Fasciculus pilorum niger; vertex absque punctis alveolaribus 49
49. Antennae apice deplanatae; nervus marginalis valde brevis, radialis longus, arcuatus; species robustae *Encyrtus* Latr. 1809.  
 (syn.: *Comys* Först., *Eucomys* Först.; typus: *Chrysis infidus* Rossi)
- Antennae non deplanatae; nervus marginalis longus, radialis brevis; species graciliores 50
50. Alae amplae, hyalinae, nervus marginalis sat brevis; corpus obscurum *Aptereencyrtus* Ashm. 1905.  
 (syn.: *Chiloneurus* Mayr partim, *Chiloneurinus* Merc.; typus: *A. pulchricornis* Ashm.)
- Alae angustae, fortiter et extense fumatae, nervus marginalis longus; corpus saturate flavo-signatum *Chiloneurus* Westw. 1833.  
 (typus: *Encyrtus elegans* Dalm.)

51. Apex saltem flagelli late deplanatus - 52  
 Flagellum non deplanatum 62
52. Scapus fortiter foliaceo-dilatatus, sat brevis 53  
 Scapus sublinearis 60
53. Funiculus cum clava foliaceo-dilatatus, medio latissimus  
*Mira* Schellnb. 1803.  
 Funiculus fere parallelus, vel apicemversus modice attenuatus 54
54. Terebra longitudine dimidii abdominis exserta 55  
 Terebra recondita vel fere recondita 56
55. Corpus metallicum; frons absque carina transversali  
*Tetracladia* How. 1892.  
 Corpus non metallicum; frons integra carina transversali ornata,  
 quae in lateribus subtus oculos declinat  
*Anicetus* How. 1896.  
 (typus: *A. ceylonensis* How.)
56. Alae hyalinae; corpus deplanatum, parvum, nitidum  
*Anusia* Först. 1856.  
 Alae maculatae 57
57. Alae in disco unimaculatae *Eusemion* Dahlb. 1857.  
 (typus: *Encyrtus corniger* Hal.)  
 Alae multimaculatae maculis radialiter dispositis 58
58. Scapus fere triangularis, basi attenuatus; alae latae, dimidio  
 apicali nigro-bilineatae *Comperiella* How. 1906.  
 (syn.: *Habrolepistia* Merc.; typus: *C. bifasciata* How.)  
 Scapus fere rectangularis; proalae fortiter infuscatae, vel maculis pluribus radialibus ornatae 59
59. Proalae multimaculatae; nervus subcostalis in triente distali  
 triangulariter dilatatus *Cerapterocerus* Westw. 1833.  
 (typus: *C. mirabilis* Westw.)  
 Proalae fortiter infuscatae, apice tantum vittis et maculis  
 hyalinis; nervus subcostalis absque extensione triangulari;  
 clava antennarum oblique mutilata *Pareusemion* Ishii 1925.  
 (typus: *P. studiosum* Ishii)
60. Corpus testaceum leniter metallico-micans; antennae sat  
 longae, angustae, apice parum dilatatae et depressae  
*Metallon* Walk. 1848.  
 Corpus aeneo-metallicum; funiculus latus fortiterque deplanatus 61
61. Terebra exserta; scapus longus, linearis, articuli funiculi fortiter transversales, ultimi triplo latiores ac longi; alae obscurae, pulchre hyalino-fasciatae; thorax sublaevis  
*Tetracladia* How. 1892.  
 Terebra recondita; scapus dilatatus, articuli funiculi subquadrati; alae subhyalinae; scutum mesonoti et scutellum

- reticulato-punctata *Calocerinus* How. 1892.  
(syn.: *Paramasia* Hffr.; typus: *Tetracnemus floridanus* Ashm.)
62. Vertex postice apexque scutelli binis lamellis longis, nigris,  
faciliter deciduis ornati *Habrolepis* Först. 1856.  
(typus: *Encyrtus dalmani* Westw.) 63
- Vertex et scutellum absque lamellis erectis
63. Scutellum basi duobus punctis profundis ornatum; corpus  
parte maxima testaceum *Ectroma* Westw. 1833.
- Scutellum basi absque punctis profundis 64
64. Nervus postmarginalis nimis evolutus: dimidio subcostae  
longior *Heterarthrellus* How. 1898.  
(typus: *H. australiensis* How.) 65
- Nervus postmarginalis normalis 66
65. Vertex punctis maioribus irregulariter et dense inspersus 66
- Vertex ad summum punctis multo minoribus, in seriebus dis-  
positis provisus 77
66. Etiam thorax gemmato-punctatus 67
- Thorax simpliciter punctatus vel striolatus 76
67. Apex cellulae costalis profunde incisus  
*Eugahania* Merc. 1926.  
(syn.: *Chalcaspis* Merc. nec How.; typus: *Bothriothorax*  
*fumipennis* Ratzb.) 68
- Cellula costalis normalis
68. Terebra longitudine quadrantem abdominis attingens  
*Coenocercus* Thoms. 1875.  
(syn.: *Echthroplexis* Ferr. nec Thoms.; typus: *C. puncticol-*  
*lis* Thoms.) 69
- Terebra recondita
69. Nervus marginalis insolite longus: 7-ies longior quam latus;  
caput thorace multo latius *Metaphaenodiscus* Merc. 1921.  
(typus: *M. nemoralis* Merc.) 70
- Nervus marginalis brevior, saepe fere nullus
70. Nervus marginalis nullus, radiali longo in iunctura fere perpen-  
diculari 71
- Nervus marginalis evolutus, saltem duplo longior quam latus 72
71. Caput a latere conspectum rotundato-triangulare: occiput ver-  
ticale, facies obliqua; genae postice dilatatae; caput tho-  
raxque sat deplanata, nigro-rava  
*Hunterellus* How. 1908.  
(typus: *H. hookeri* How.)
- Vertex brevis; facies normalis; genae non dilatatae; thorax con-  
vexus; corpus metallicum *Bothriothorax* Ratzb. 1844.  
(typus: *B. altensteinii* Ratzb.)

72. Proalae fumatae duabus maculis oppositis hyalinis  
*Hoplopsis* Destef. 1889.  
 (syn.: *Trichomasthus* Ms. nec Thoms. partim, *Mayriella*  
 Merc.; typus: *H. mayri* Destef.)  
 Proalae absque maculis hyalinis oppositis 73
73. Nervi radialis et postmarginalis fere paralleli; caput ferru-  
 gineum *Paraphaenodiscus* Grt. 1915.  
 Nervus radialis fere perpendicularis; caput obscurum 74
74. Vertex brevis, caput lentiforme, gemmato-punctatum; nervi  
 marginalis, radialis et postmarginalis fere aequilongi 75  
 Vertex longus, facies inde obliqua, punctis fere oblitteratis;  
 nervus marginalis longus, radialis punctiformis, postmargi-  
 nalis fere nullus *Choreia* Westw. 1833.
75. Proalae hyalinae, triente basali fumatae; nervus radialis fere  
 perpendiculariter declivis; mandibulae bidentatae  
*Monodiscodes* Hffr. 1954.  
 (syn.: *Phaenodiscus* Mayr partim; typus: *Phaenodiscus*  
*intermedius* Mayr.)  
 Proalae extense fumatae, ad summum basi vel extremo apice  
 angustissime hyalinae; mandibulae 3-dentatae  
*Discodes* Först. 1856.  
 (syn.: *Phaenodiscus* Först.; typus: *Encyrtus aeneus* Dalm.)
76. Facies inter insertiones antennarum cum magno, superne acute  
 marginato naso *Rhinoencyrtus* Merc. 1918.  
 (typus: *R. malenotti* Merc.)  
 Facies absque naso *Coccidoxenus* Crawf. 1913.  
 (typus: *C. portoricensis* Crawf.)
77. Scutellum triangulare, planum, postice in membranam sub-  
 hyalinam, albidam productum; nervi marginalis, radialis et  
 postmarginalis insolite longi *Ericydnus* Walk. 1837.  
 Scutellum absque appendice membranacea 78
78. Scutum mesonoti cum scutello integre opaca, non nitentia 79  
 Saltem scutum mesonoti parce punctatum, nitens 96
79. Proalae maculis obliquis fasciatae 80  
 Proalae hyalinae vel uniformiter infuscatae 84
80. Robusta, minima (1 mm), ferrugineo-testacea, fascia prae-  
 apicali angusta, medio angulatim fracta, macula apicali lata,  
 triangulari *Dusmetia* Merc. 1921.  
 Species maculis proalarum aliter dispositis 81
81. Species robustae, corpore grosse granulato, nigrae, saepius  
 citrino-variegatae; caput et thorax argenteo-squamosae 82  
 Species graciliores, fere unicolores, sordide testaceae, proalis  
 obscure bifasciatis 83

82. Nigra absque maculis citrinis; flagellum robustum, leniter compressum; proalae 2 fasciis sat obsoletis  
*Dinocarsis* Först. 1856.  
 Caput et thorax saturate citrino-maculata; flagellum sat tenue; proalae 4 maculis bene limitatis *Dinocarsiella* Merc. 1924.
83. Antennae valde longae, articulis cunctis funiculi duplo longioribus ac latis; proalae in dimidio basali duabus fasciis nonnunquam in maculas dissolutis, nimis obliquis ornatae; terebra recondita *Leptomastidea* Merc. 1916.  
 (syn.: *Blastothrix* Mayr partim; typus: *L. aurantiaca* Merc.)  
 Antennae breves, articulis funiculi latitudine sua non longioribus; proalae in prima et secunda triente fasciis singulis fumatis provisae; terebra exserta *Waterstonia* Merc. 1917.  
 (typus: *W. prima* Merc.)
84. Integre niger absque nitore metallico, funiculo brevi, clava maxima *Epiencyrtus* Ashm. 1900.  
 (typus: *Encyrtus thyreodontis* Ashm.)  
 Corpus aliter coloratum 85
85. Species nigrae, plus-minus metallicae 86  
 Species flavae, testaceae vel avellaneae 89
86. Caput et thorax laete viridi-cyanea, sericea; scapus semicirculariter dilatatus *Blastothrix* Mayr 1875.  
 (typus: *Encyrtus sericeus* Dalm.)
- Species obscurae, metallico-micantes; scapus sublinearis 87
87. Clava solida; caput virescens, thorax niger *Ageniaspis* Dahlb. 1857.  
 (typus: *Encyrtus fuscicollis* Dalm.)
- Clava 3-articulata 88
88. Antennae breves et crassae, cunctis articulis funiculi subtransversis *Parageniaspis* Ms. 1917.  
 (typus: *P. macrocerus* Ms.)  
 Antennae sat tenues, articulis 2—6 funiculi longioribus ac latis *Geniaspidius* Ms. 1917.  
 (typus: *G. viduus* Ms.)
89. Antennae breves, plus-minus clavatae, articulis funiculi transversis 90  
 Antennae longae, filiformes, non vel vix clavatae 93
90. Pronotum fere scuto mesonoti aequilongum; corpus magis elongatum; proalae saepe bifasciatae; terebra exserta *Echthroplexiella* Merc. 1924.  
 Pronotum breve; corpus magis obesum 91
91. Clava solida; terebra exserta *Homalotyloidea* Merc. 1924.  
 (typus: *Homalotyplus laticapus* Ms.)
- Clava 3-articulata; terebra raro exserta 92

92. Scapus linearis, vix dilatatus *Aphycus* Mayr 1875.  
 Scapus fortiter dilatatus *Metaphycus* Merc. 1921.
93. Corpus unicolor: sordide testaceum; abdomen elongatum:  
 capite et thorace simul sumptis longius; sulci parapsidales  
 integri *Xanthoectroma* Merc. 1925  
 (typus: *X. aquilinum* Merc.)  
 Corpus plus-minus ravum, obesum, sulcis parapsidalibus absen-  
 tibus 94
94. Nervus marginalis evolutus, postmarginalis saepe nullus; sca-  
 pus foliaceo-dilatatus, basi et apice niveo-signatus  
*Anagyris* How. 1896.  
 (syn.: *Blastothrix* Mayr partim; typus: *A. greeni* How.)  
 Nervus marginalis punctiformis, postmarginalis fere nullus, ra-  
 dialis longus; scapus vix dilatatus 95
95. Corpus maxima parte testaceum, sordide albo-maculatum  
*Aenasioidea* Grlt. 1911.  
 (typus: *Ae. latiscapus* Grlt.)  
 Corpus ravum, parcellissime flavo-maculatum  
*Paraphycus* Grlt. 1915.  
 (typus: *P. abnormiscapus* Grlt.)
96. Genae inter oculos et mandibulas nullae, vel fere nullae 97  
 Genae bene evolutae 98
97. Clava antennarum securiformis, funiculo multo latior, apice  
 minime attenuata, sed abrupte mutilata; caput semiglobosum  
 occipite verticaliter resecato *Calometopia* Merc. 1921.  
 (typus: *C. flavicornis* Merc.)  
 Clava antennarum elongato-ovata; caput non semiglobosum  
*Parablastothrix* Merc. 1917.  
 (typus: *P. vespertina* Merc.)
98. Thorax squamoso-reticulatus, punctis longulis vel polyedris,  
 nonnunquam hi puncti obsoleti sunt, tunc autem clava  
 longa et leniter arcuata est 99  
 Thorax simpliciter punctatus vel laevis 101
99. Antennae sat breves, clava valde oblique truncata, non arcu-  
 ata  
*Litomastix* Thoms. 1875, et *Pentacnemus* How. 1892.  
 (typus: *Encyrtus chalconotus* Dalm.; typus: *P. bucculatricis* How.)  
 Clava non oblique truncata 100
100. Clava longa, recta, apice simpliciter truncata; 3 articulis  
 primis funiculi albis *Paralitomastix* Merc. 1921.  
 (typus: *Encyrtus varicornis* Nees)  
 Clava apice rotundata, leniter arcuata; funiculus absque  
 annulo albo *Copridosoma* Ratzb. 1844.

101. Clava solida vel 3-articulata, valde oblique mutilata; proalae  
plerumque disco unimaculato 102  
Clava apice rotundata 109
102. Proalae latae, normales 103  
Proalae angustatae 106
103. Funiculus brevissimus, clava grandis, parum oblique secata  
*Tyndarichus* How. 1910.  
(typus: *T. navae* How.)  
Antennae longiores, articulis funiculi longioribus ac latis,  
clava vix dilatata, valde oblique resecta 104
104. Tibiae cunctae annellis tribus nigris ornatae  
*Eupoecilopoda* Nov. & Hffr. 1953.  
(typus: *Isodromus perpunctatus* Ms.)  
Pedes absque annellis nigris 105
105. Corpus nigro-metallicum, non flavo-signatum; proalae margi-  
nali punctiformi, radiali longo, origine sat acutangula  
*Homalotylus* Mayr 1875.  
(typus: *Encyrtus flaminius* Dalm.)  
Corpus piceum vel ravum, non metallico-micans, plerumque  
saturate testaceo-signatum; proalae marginali punctiformi,  
radiali fere perpendiculari *Isodromus* How. 1886.  
(typus: (*I. iceryae* How.)
106. Vertex valde angustus, triplo tantum latior quam diametrum  
ocelli anterioris; pronotum valde breve; terebra exserta 108  
Vertex sat latus; terebra saepius exserta 107
107. Pronotum longum, saepe scuto mesonoti longius; articuli funi-  
culi subquadrati vel transversales  
*Echthroplexiella* Merc. 1921.  
Pronotum breve; articuli funiculi longiores quam lati; proalae  
fortiter fumatae *Tineophoctonus* Ashm. 1900.  
(typus: *Phaenodiscus armatus* Ashm.)
108. Nervus marginalis punctiformis; clava funiculo non latior,  
articulis 3 praecedentibus fere aequilonga  
*Echthroplexis* Först. 1856.  
(typus: *E. ephippium* Rschk.)  
Nervus marginalis longus; clava antennarum nimis magna:  
funiculo multo latior, ei aequilonga  
*Prochiloneurus* Silv. 1915.  
(typus: *P. pulchellus* Silv.)
109. Corpus, praesertim caput et thorax, insolite depressum, caput  
prognathum; parasitae *Chaetococci phragmitis* March. 110  
Corpus normale, ad summum apud nonnulla genera non-me-  
tallica modice deplanatum 114



110. Corpus sordide testaceum, oculis minimis  
*Platyrhopus* Erd. 1955.  
 (typus: *P. delitescens* Erd.)
- Corpus metallicum vel nigro-metallicum 111
111. Terebra cca dimidium longitudinis abdominis exserta; subcosta  
 in triente apicali triangulariter dilatata  
*Boučekiella* Hffr. 1954.  
 (typus: *B. depressa* Hffr.)
- Terebra recondita; subcosta non dilatata 112
112. Clava antennarum solida; fimbria proalarum longa  
*Asitus* Erd. 1955.  
 (typus: *A. ciliatus* Erd.)
- Clava 3-articulata; fimbria brevis 113
113. Alae hyalinae, postmarginali nullo; articuli funiculi valde  
 transversi; mandibulae 2-dentatae *Ioëssa* Erd. 1955.  
 (typus: *I. crassicornis* Erd.)
- Alae leniter maculatae, postmarginali longitudine radialis;  
 articuli funiculi subquadrati; mandibulae 3-dentatae  
*Platyencyrtus* n. g.  
 (typus: *P. esuriens* n. sp.)
114. Antennae nimis longae: corpore longiores, filiformes, articulo  
 6-o funiculi saltem duplo longiore quam lato, clava non vel  
 vix dilatata 115
- Antennae corpore multo breviores, articulo 6-o funiculi brevior 118
115. Articulus 6-us funiculi quinques longior quam latus; proalae  
 non ciliatae *Psilophrys* Mayr 1875.  
 (typus: *Encyrtus longicornis* Walk.)
- Articulus 6-us funiculi fere duplo longior ac latus; proalae  
 fimbriatae 116
116. Alae angustae, fumatae, nonnullis maculis parvis, hyalinis,  
 dispersis variegatae *Callipteroma* Motsch. 1863.  
 (syn.: *Leptomastix* Ms. nec Först. partim; typus: *C. quinque-*  
*guttata* Motsch.)
- Alae normales, vix fuliginosae 117
117. Corpus testaceum, ravo-maculatum *Leptomastix* Först. 1856.  
 (typus: *L. histrio* Mayr)
- Corpus obscure metallicum *Lyka* Merc. 1921.  
 (typus: *L. submetallica* Merc.)
118. Terebra saltem trientem longitudinis abdominis efficiente 119
- Terebra recondita vel fere recondita 121
119. Nervus marginalis valde longus: 5-6-ies longior quam latus, nervi  
 radialis et postmarginalis graciles, marginali paullo tantum  
 breviores, fere ut in *Ericydno* formati *Clausenia* Ishii 1923.  
 (typus: *C. purpurea* Ishii)

- Nervus marginalis brevis, punctiformis, vel latitudine sua parum longior 120
120. Corpus parum metallicum, piceo-nigrum; nervus marginalis evolutus, radialis et postmarginalis breves  
*Tricnemus* Merc. 1924.  
 (syn.: *Tricladia* Merc.; typus: *Tricladia humilis* Merc.)  
 Caput et thorax laete viridia; nervus marginalis punctiformis, radialis et postmarginalis sat longi  
*Cerchysius* Westw. 1832.  
 (typus: *Encyrtus subplanus* Dalm.)
121. Vertex horizontalis, facies oblique retro directa; proalae radialiter fusco-maculatae  
*Anabrolepis* Timb. 1920.  
 (typus: *A. extranea* Timb.)  
 Caput normale; proalae non radialiter maculatae 122
122. Metatibiae cum metatarsis compressae; nervus radialis adhuc ante iuncturam egrediens, margine subparallelus  
*Prionomastix* Mayr 1875.  
 (typus: *Encyrtus morio* Dalm.)  
 Metatibiae cum metatarsis normales 123
123. Abdomen sat angustum, elongatum, apice attenuatum 124  
 Abdomen latum, sat breve, thorace non longius 128
124. Corpus viride vel cyaneum, si ravum, tunc metallico-micans 125  
 Corpus testaceum vel ravum, non metallicum 127
125. Articuli funiculi fere duplo longiores quam lati; scutum mesonoti et scutellum laevia  
*Mayrencyrtus* Hincks 1944.  
 (syn.: *Liothorax* Mayr; typus: *Encyrtus glaphyra* Walk.)  
 Articuli funiculi latitudine sua non longiores; thorax punctatus 126
126. Subcosta in triente apicali triangulariter dilatata; scutellum fortiter longitudinaliter striolatum  
*Protyndarichus* Merc. 1923.  
 Subcosta non dilatata; scutellum simpliciter punctatum  
*Parasyrphophagus* Grt. 1915.  
 (typus: *P. funeralis* Grt.)
127. Pedicellus articulo 1-o funiculi multo longior, clava funiculo latior  
*Rhopus* Först. 1856.  
 Pedicellus articulo 1-o funiculi aequilongus; clava funiculo non latior  
*Doliphoceras* Merc. 1924.  
 (typus: *Pholidoceras integralis* Merc.)
128. Thorax pulchre metallicus, cum sulcis parapsidalibus; scapus longus, basi tumidus apice attenuatus; nervus radialis sat longus, basi curvatus apice margini parallelus  
*Charitopus* Först. 1856.

- (syn.: *Tetracnemus* Rschk. nec Westw.; typus: *C. fulviventris* Först.)  
 Thorax absque sulcis parapsidalibus; scapus aliter constructus 129
129. Thorax laevis, nitens, non vel obsolete punctatus 130  
 Thorax manifeste punctatus, aut scutellum opacum 132
130. Corpus absque nitore metallico; nervus radialis fere ex iunctura egrediens *Ixodiphagus* How. 1907.  
 (typus: *I. texanus* How.) 131
- Corpus obscurum, cyaneo-violaceo-metallicum 131
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*Paraphaenodiscoides* Merc. 1921.  
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*Microterys* Thoms. 1875.
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*Aphidencyrtus* Ashm. 1900.

(typus: *Encyrtus siphonophorae* Ashm.)

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longa, apice acuminata; corpus nigrum, non metallicum,  
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teis parce inspersa; caput flavo-maculatum  
*Dicarnosis* Merc.  
Caput et thorax absque squamulis argenteis 34
34. Corpus testaceum absque nitore metallico, vel brunnescens,  
sat nitens; vertex latus *Rhopus* Först.  
Corpus metallicum, raro luteum, metallico-micans 35
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opacum *Ooencyrtus* Ashm.  
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antennae cylindricae, longae, articulis etiam ultimis plus  
quam ter longioribus ac latis *Protyndarichus* Merc.



- Scutellum laeve vel dense punctulatum, in quo casu non nitens; antennae multo breviores: articulis apicalibus subquadratis, parum compressis *Metallon* Walk.
37. Scutellum praesertim postice deplanatum, in lamellam albidam productum; 3 rami nervaturae longi *Ericydnus* Walk. 38
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- Aut in longitudine articularum funiculi, aut in forma clavae aliter constructa 39
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- Thorax punctatus vel laevis, non squamoso-reticulatus 42
40. Antennae breves, clava saepe ut in ♀♀ valde oblique resecta, nonnunquam serrate dilatata *Litomastix* Thoms.
- Antennae raro breves, plerumque longae vel valde longae, clava tenui, non oblique resecta 41
41. Scutum mesonoti nitidum, obsolete reticulatum, e contrario scutellum opacum, valde dense longitudinaliter, ut in genere *Ageniaspis* Dahlb., aciculatum; nervo radiali adhuc ante iuncturam fere perpendiculariter egrediente
- Paralitomastix* Merc.
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- Hoplopsis* Destef.
45. Proalae in dimidio basali oblique bifasciatae
- Leptomastidea* Merc.
- Proalae in dimidio apicali 3-maculatae, vittis infra inter se coniunctis *Dinocarsiella* Merc.
46. Scutellum apice fasciculo pilorum munitum, qui saepius parum observari potest; alae saepe hyalinae, vel obsoletius quam ♀♀ maculatae; nervus marginalis brevis, radialis et postmarginalis longi *Encyrtus* Latr.
- Scutellum absque fasciculo pilorum 47

47. Caput et thorax punctis magnis dispersis ornata 48  
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48. Cellula costalis apice profunde incisa *Eugahania* Merc. 49  
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49. Caput et thorax plana, caput a latere conspectum triangulare,  
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angulo antico-superno positis, genis postice latis; species  
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50. Nervus marginalis longior quam latus, radialis in angulo acuto  
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Nervus marginalis nullus, vel punctiformis 53
51. Nervus radialis ita curvatus, ut 2 trientes apicales cum mar-  
gine parallele iaceant *Paraphaenodiscus* Grt. 52  
Nervus radialis brevior, non parallelus
52. Antennae moderate deplanatae, articulis funiculi ab invicem  
non bene separatis; mandibulae 2-dentatae *Monodiscodes* Hffr.  
Antennae cylindricae, articulis funiculi ab invicem bene sepa-  
ratis; mandibulae 3-dentatae *Discodes* Först.
53. Nervus marginalis nullus: radio adhuc ante iuncturam egre-  
diente; metatibiae 2-calcaratae *Eucantabria* Merc. 1924.  
(typus: *E. azurea* Merc.)  
Nervus marginalis punctiformis; metatibiae 1-calcaratae  
*Bothriothorax* Ratzb.
54. Caput punctis gemmaeformibus inspersum 55  
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*Coccidoxenus* Crawl.
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63. Species atrae absque nitore metallico; caput tamen plerumque  
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fortius serratis, articulatione excentrica coniunctis  
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66. Thorax ater, opacus, sat dense hirtus pilis erectis, brunnescen-  
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*Blastothrix* Mayr  
Scutum mesonoti leniter, scutellum fortius deplanata  
*Metaprimonitus* Merc.
86. Articuli funiculi depressi, 2—6 subquadrati; scutellum laeve  
*Zeteticontus* Silv.  
Articuli funiculi non depressi 87
87. Scutellum elatum, valde convexum, densissime et profunde punctatum; latera propodei et coxae posticae albo-tomentosa; corpus metallicum *Trichomasthus* Thoms.  
Scutellum minus convexum, vel minus profunde punctatum, vel corpus non metallicum 88
88. Segmenta abdominis parallela, stigmatibus setiferis in apice sitis 89  
Stigmata setifera versus basin magis progressa, lateribus inde segmentorum apicalium proVectis 90
89. Antennae breves; flagellum medio leniter dilatatum; abdomen subrotundum *Aphycoides* Merc.  
Antennae elongatae et cylindricae; abdomen ovatum  
*Psilophrys* Mayr
90. Corpus opacum, densissime punctatum vel punctulatum 91  
Corpus, praesertim scutum mesonoti, nitens; scutellum nonnquam opacum 97
91. Antennae breves, articulis funiculi transversis 92  
Antennae elongatae, articulis funiculi cylindricis 93
92. Articuli funiculi fere uniformes; corpus non metallicum, testaceum usque ravam; nervus postmarginalis evolutus  
*Aphycus* Mayr, *Metaphycus* Merc.  
Articuli funiculi bifformes: 4 primi parvi, 2 apicales abrupte maiores; clava solida; nervus marginalis nullus  
*Waterstonia* Merc.
93. Nervus marginalis nullus, radio adhuc ante iuncturam egrediente; postmarginalis fere nullus 94  
Nervus marginalis brevis, tamen bene evolutus; antennae valde longae 95
94. Articuli funiculi latitudine sua vix longiores  
*Paraphycus* Grt.

- Articuli funiculi longi, 1-us pedicello longior; clava solida  
*Aenasioidea* Grlt.
95. Scutum mesonoti cum manifestis sulcis parapsidum  
*Xanthoectroma* Merc.  
Scutum mesonoti absque sulcis parapsidum 96
96. Nervus postmarginalis radio non longior; mandibulae 2-dentatae; articulus 6-us funiculi et basis clavae serie squamularum erectarum provisae  
*Anagyryus* How.  
Nervus postmarginalis radiali duplo longior; mandibulae 3-dentatae  
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Articulus 6-us funiculi absque serie squamularum 100
99. Oculi pilosi; articuli funiculi cylindrici; palpi maxillares 3-, labiales 2-articulati  
*Doliphoceras* Merc.  
Oculi nudi; articuli funiculi ovati; palpi maxillares 2-, labiales 1-articulati  
*Rhopus* Först.
100. Subcosta in triente apicali triangulariter dilatata 101  
Subcosta simplex, vix dilatata  
*Anusia* Först.
101. Articuli funiculi moniliformes, subquadrati  
*Ixodiphagus* How.  
Articuli funiculi latitudine sua duplo longiores  
*Mayrencyrtus* Hincks
102. Subcosta in triente apicali triangulariter dilatata 103  
Subcosta simplex, vix dilatata 104
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Obscure violaceus; scutellum sat convexum, leniter coriaceum  
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105. Antennae valde longae: articulus 6-us funiculi latitudine sua triplo longior; nervus marginalis duplo longior quam latus, radialis et postmarginalis aequilongi  
*Leptomastix* Först.  
Articulus 6-us funiculi vix longior quam latus; nervus marginalis punctiformis, postmarginalis rudimentarius; caput lentiforme, flavum  
*Paraschedius* Merc.
106. Alae complete hyalinae, fimbria absente; nervus marginalis punctiformis, radialis marginali et postmarginali unitis aequilongus  
*Agromyzaephagus* Gah.  
Alae subhyalinae, pubescentia visibili; fimbria evoluta 107

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*Subprionomitus* Merc.  
 Aut nervus marginalis brevior, aut radialis longior 108
108. Thorax, praesertim scutellum, depressus; abdomen subrotundum; antennae breviter pilosae; nervus marginalis brevis crassusque, radialis punctiformis, postmarginalis nullus  
*Ceballosia* Merc.  
 Thorax convexus 109
109. Nervi marginalis, radialis et postmarginalis valde longi, uti in speciebus generis *Ericydnus* Walk.  
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 Pedicellus articulo 1-o funiculi aequilongus 113
112. Species maiores; thorax latus, fere globosus; alae leniter fuliginosae  
*Paraphaenodiscus* Grlt.  
 Species minor; thorax paullo longior; alae hyalinae  
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113. Vertex postice marginatus  
*Microterys* Thoms.  
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114. Corpus laete viride; mesonotum dense punctatum; nervus radialis rectus, marginali aequilongus; thorax parum depressus  
*Metallon* Walk.  
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*Superprionomitus* Merc.
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*Neococcidencyrtus* Comp.  
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*Parasyrphophagus* Grlt.
117. Proalae medio fumatae; antennae in medio faciei insertae  
*Ilicia* Merc. 1921.  
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118. Articululus 1-us funiculi 6-ies longior ac latus; caput rugoso-punctatum, punctis maioribus inspersis  
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*Coccidencyrtus* Ashm. 120
- Pedicellus globosus, articulo 1-o funiculi multo brevior
120. Species parvae et obesae; scutellum latum, fere latius quam longum, postice late rotundatum, plerumque opacum; nervus marginalis punctiformis  
*Ooencyrtus* Ashm.
- Species maiores ac magis elongatae; scutellum latitudine sua longius, magis convexum, scuto mesonoti aequè punctatum; nervus marginalis longior quam latus 121
121. Observabiliter deplanatus; dense albo-pilosus et densissime coriaceus; squamulae basi et pedes 4 anteriores pallidi  
*Cerchysius* Westw.
- Thorax convexus, sublaevis, parce pilosus; squamulae et pedes obscuriores 122
122. Vertex postice acute marginatus; nervus marginalis duplo longior quam latus  
*Syrphophagus* Ashm.
- Vertex postice teres; nervus marginalis vix longior quam latus  
*Pseudencyrtus* Ashm.

Descriptiones generum novorum  
quae continet tabella dichotomica

***Biróus*** n. g.

♀. — Corpus metallicum, flavo-signatum. Statura Microterydiformis. Caput facie brevi, vertice postice acute marginato. Antennae scapo dilatato, pedicello pyriformi, funiculo 3-articulato, absque anello albo, clava magna, 3-articulata. Thorax leniter convexus, scutello rotundato. Alae amplae, leniter fuliginosae, in triente apicali hyalino-fasciatae. Abdomen breve, terebra recondita.

Typus generis:

***Biróus anomatus*** n. sp.

♀. — Caput maxima parte flavum, genis et peristomio obscuris; thorax furvus, scuto mesonoti et scutello cupreo-viridibus. Caput a latere inspectum fere triangulare, dimidio faciei inferno fortiter impresso; vertex elongatus, uno oculo multo angustior, ocellis in triangulum 56° dispositis; palpis maxillaribus 4-, labialibus 3-articulatis. Thorax robustus, obsolete punctulatus, scutello et scuto mesonoti aequilongis. Abdomen breve, stigmatibus setiferis in medio sitis. — Longitudo 1,77 mm.

Typus in Museo Hist. Nat. Hungarico Budapestini conservatur. — Unicam ♀ legit BIRÓ Budapestini (Hűvösvölgy) 25. Septembris 1913.



**Platyencyrtus** n. g.

Genus novum excellit statura sua insolite depressa. Corpus metallicum, capite prognatho, antennis in margine oris insertis, funiculo 6-articulato, clava in ♀ 3-articulata, in ♂ solida. Mandibulae 3-dentatae. Occiput collo in parte quinta superna iacente, cardine longissimo, stipite brevi, palpis maxillaribus 4-, labialibus 3-articulatis. Thorax scuto et scutello multo latioribus quam longis, fere laevibus. Alae marginali longiore quam lato, radio brevi, postmarginali aequilongo. Abdomen in utroque sexu thorace longius et latius, terebra parum exserta.

Typus generis:

**Platyencyrtus esuriens** n. sp.

♀. — Obscure metallico-aenea, alis quadrante basali et disco leniter fumatis, pedibus nigris. Facies brevis et late elliptica, absque scrobibus. Antennae scapo sat brevi, versus apicem parum dilatato, pedicello sesqui longiore quam apice lato, articulis 6 funiculi sensim dilatatis, clava sat magna. Thorax nitidus, axillis ab invicem longe separatis. Abdomen longum et latum, stigmatibus setiferis in triente apicali sitis. — Longitudo 1,33—1,93 mm.

♂ simillimus; antennis parum altius, in linea oculari insertis, articulis funiculi dense et longe pilosis, clava solida, oblique rotundato-acuminata; abdomine rotundato. — Longitudo 1,19 mm.

Holotypi (♂ et ♀) in Museo Hist. Nat. Hungarico, cotypi in collectione Novickyi (Vindobonae) et Erdősi conservantur. Est parasita *Chaetococci phragmitis* March. sub pericladis *Phragmitis vulgaris* Lam. — Inventa est in Budapest (BUDAPEST), Gárdony in Phragmiteto lacus Velencei-tó dicti et ex *Chaetococco phragmitis* March. ibidem collecto sat numerose exclusa (ERDŐS), Sopron (ERDŐS), Franzerhofen (Austria, NOVICKY). Tempus apparitionis a die 10. Maii ad 9. Augusti.

**Leiocyrtus** n. g.

♀. — Corpus breve, sat deplanatum. Caput fere lenticulare, facie rotundata, antennis immediate supra os insertis, mandibulis 3-dentatis, palpis maxillaribus 4-articulatis. Antennae breves, scapo modice dilatato, pedicello longo, articulis 6 funiculi valde brevibus, clava maxima, 3-articulata. Thorax depressus, scutello orbiculato. Alae angustae et breves, hyalinae, praestigmate notabiliter dilatato. Pedes metatibiis 1-calcaratis. Abdomen ovatum, terebra subexserta.

Typus generis:

**Leiocyrtus clavatus** n. sp.

♀. — Corpus violaceo-nigrum, mandibulis cremeis, palpis albidis. Alae subhyalinae. Pedes bicolores: coxae et femora nigra, tibiae flavae, basi cunctae fusco-annulatae. Caput lenticulare, facie leniter convexa,

laevi; antennae supra os insertae, vertex evanescens, postice acute marginatus, ocellis in triangulum  $113^\circ$  dispositis, fere laevis. Thorax sublaevis; alae etiam basi sat dense pilosae, fimbria brevi, marginali duplo longiore quam lato, radio subaequali, postmarginali fere nullo. Abdomen ovatum, thorace longius et latius, laevissimum, stigmatibus setiferis fere in medio sitis, terebra sat crassa,  $1/6$  abdominis exserta. — Longitudo 0,85—1,12 mm.

Cotypi in Museo Hist. Nat. Hungarico et in collectione Erdősi — 4 ♀♀: ex Budapest (Köztemető), Szód et Vác (Biró) et ex Kelebia (Erdős), cuncta specimina in mense Iulio collecta.

*Athesmus* n. g.

♀. — Corpus atrum, densissime punctatum, fere opacum, at non holosericeum. Caput normale, mandibulis 3-dentatis, antennis scapo modice dilatato, funiculo gracili, 7-articulato, clava 2-articulata. Alae hyalinae, nervo marginali fere duplo longiore quam lato, postmarginali brevi, radio sessili. Abdomen triquetrum, terebra recondita.

Typus generis:

*Athesmus luctuosus* n. sp.

♀. — Antennae avellanae, basi infuscae; pedes leniter obscurati, genubus apicibusque tibiarum, tibiis intermediis excepto annulo basali fusco, cremeis. Antennae in linea oculari insertae. Facies fere laevis, vertex sat brevis, margine postico immarginato, ocellis in triangulum  $81^\circ$  dispositis. Thorax modice convexus. Alae amplae, basi nudaе. Pedes graciles, spinulis tarsorum intermediorum pallidis, vix observabilibus. — Longitudo 1,05 mm.

Typus in Museo Hist. Nat. Hungarico conservatur. — Unica ♀ ex montibus Mecsek (Kisvaszar) oritur, ubi eam Erdős 28. Iunii 1951 legit.

*Ginsiana* n. sp.

♀. — Caput punctis maioribus sat obsoletis in vertice et in fronte inspersum, vertex immarginatus, genae longae et valde convergentes; mandibulae 3-dentatae, palpis maxillaribus 4-, labialibus 3-articulatis; antennae filiformes, funiculo 6-articulato, articulis longiusculis, clava 3-articulata. Thorax sat brevis, scutello valde convexo. Alae pilosae, fimbria brevi, nervo marginali parum longiore quam lato. Abdomen breve, triangulare, terebra crassa, exserta vel subexserta.

Typus generis:

*Ginsiana obscura* n. sp.

♀. — Corpus obscure metallicum, antennis nigris, alis hyalinis, pedibus violaceo-nigris, genubus sat late, pro- et mesotibiis integre, metatibiis dimidio apicali, tarsisque fulvis. Antennae infra lineam ocularem insertae, scapo cylindrico, artivulis 6 funiculi parum longioribus ac latis,

clava elongata, 3-articulata. Facies integra sublaevis, vertex postice immarginatus, ocellis in triangulum 95° dispositis, oculis densissime albo-setosis. Thorax valde convexus, propodeum fere verticaliter declive. Abdomen thorace parum longius et latius, stigmatibus setiferis in medio sitis, terebra longitudine sua metatarsum intermedium aequante. — Longitudo 1,60—1,79 mm.

Cotypi in collectione Novickyi (Vindobonae) et Erdösi conservantur. 3 ♀♀, quas ERDŐS in montibus Kőszegensibus die 26. Iunii 1944 legit.

#### Litteratura

complectens opera maiora systematica, necnon descriptiones validorum generum regionis palaearticae

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## Besprechungen

**Geigy, R. & Herbig, A.**, Erreger und Überträger tropischer Krankheiten. Acta Tropica, Supplementum 6. VERLAG FÜR RECHT UND GESELLSCHAFT A. G., Basel, 1955, 8°, XXIV & 472 S., 17 Textfig., 35 Photos auf 18 Tafeln, 28 Taf. (6 Farbentaf.). Preis 80.— DM.

Wie die Verfasser im Vorwort mitteilen, hat sie vornehmlich die Überlegung zur Veröffentlichung des Buches veranlaßt, daß vielleicht in manchen bisherigen Darstellungen die zoologischen Gesichtspunkte zum Problem der Aetiologie durch Arthropoden übertragener Tropenkrankheiten ungenügend zur Geltung gekommen sind. In ihrer Darstellung wird daher weniger Gewicht auf die Auswirkungen gelegt, die von den Erregern in den befallenen Organismen hervorgerufen werden, als auf den Ablauf ihrer Entwicklungszyklen im Träger (Wirbeltier) und den Überträgern (Arthropoden) und das Verhalten der Erreger in ihnen. Besonders eingegangen wird auf die verschiedenen übertragenden Insekten und anderen Arthropoden, die nicht als bloße „Durchgangsstationen“ für den Erreger geschildert werden, sondern als Organismen, die für die Aetiologie einer Infektionskrankheit ebenso mitbestimmend sind wie der Träger. Der Text ist daher nach zoologischen Gesichtspunkten angeordnet, indem jeweils innerhalb einer Arthropodengruppe die einzelnen Krankheiten und ihre Erreger dargestellt werden. Im allgemeinen Teil werden im 1. Kapitel die Übertragung von Krankheitskeimen durch Arthropoden und die dabei geltenden Parasit-Wirt-Beziehungen (acyclische und cyclische Übertragung; Erreger-Reservoir; Virulenz, Empfänglichkeit und Immunität) geschildert. Das 2. Kapitel gibt eine Übersicht über die Tropenkrankheiten bei Mensch und Haus-