

DESCRIPTIONES HYMENOPTERORUM
CHALCIDOIDICARUM VARIORUM CUM
OBSERVATIONIBUS. III.

A. A. Girault

See Ent. News, May, Nov., 1916 and Entomologist, London, Feb., 1917. Types in U. S. National Museum. Females.

MALICOPTERA STELLA *Cyrtogaster liqueatus*

1.5 mm. Like *Cyrtogaster liqueatus* Ashm. — equals *ci. tripes*, *occidentalis* of same; *Polycyrtus florida-nus* Ashm., *Polycyrtus foersteri* Crawford — whose type is female but larger, femora and entire scape green, tibiae washed with it. Placer Co., California, August. Cat. No. 21215.

ELACHISTUS EVETRIAE *johanseni*

Like ~~*chalcidoides*~~ but abdomen and tibiae black; scutellum, axillae glabrous, mandible 6-dentate. On *Evetria taxifoliella* on *Pseudotsuga taxifolia*, Coldstein, Oregon, August, J. M. Miller. Cat. No. 21281.

NASONIA PERATRIPES

Like genotype but legs green except ends tibiae and the tarsi, 3 and 4 of 4-dentate mandibles minute, abdomen a little shorter, spiracle much smaller, oval, minute; neck of propodeum less distinct, scutellum simple, funicle 1 subquadrate. Scape green at apex above. Types compared. Flat Rock, North Carolina, *Pinus strobus*, J. S. Holmes. Cat. No. 21209.

NOTANISOMORPHA NONCARINATA

1 mm. Like *nevadensis* but smaller, spot on abdomen elongate, over twice longer than wide — basal fourth to distal three fourths, median green wide —, abdomen all yellow beneath, sessile, propodeum shorter, distinctly wider than long, faintly scaly, plane. Coxae green, scape pale, funicle 1 subquadrate, 2-4 twice longer than wide. Mandibles 7-dentate. Male with basal third of abdomen above, more below, pale save margins narrowly; scape somewhat compressed; funicles 1-3 with a long ramus from same side near base; club

about equally divided, funicles much longer than wide, 4 longest. Tempe, Arizona, Aug. with *Languria mozardi*, V.L. Wüdermuth. Cat. No. 20804.

NOTANISOMORPHA LONGIFASCIATA

Dark green, wings clear, legs pale, abdomen reddish save all margins narrowly, apex moderately widely and a wide median line. Petiole short, red. Scape pale save above. Mandibles 4-dentate. From *Agromyza anguiata*, Lafayette, Indiana. Cat. No. 20021.

N. collaris Crawford differs from *ainsliei* not in sculpture of head as C says but in bearing a large mark on fore wing near middle! While men seek differences among do's on the moon they'll overlook the sun altogether but it is the sun which matters; " as if one should exhaust his astonishment at the economy of his thumb-nail, and overlook the central causal miracle of his being a man."

NOTANISOMORPHA NEVADENSIS

Like *longifasciata* but abdomen dark green save venter except apex and lateral margin and dorsad, an ovate spot near each margin at apex of basal fourth; distal half or more of femora 2 and 3 green above; propodeum without lateral carina; scape black. One mandible 4-dentate, other edentate. Leaves of timothy grass. Ely. Nevada, C.N. Ainslie. Cat. No. 20022.

BLACHISTUS AENEONIGER

Like *cacoeciae* but scape black, funicle 1 longer, abdomen all green. Scutellum nearly smooth. Two hind tibial spurs. Ithaca New York, on larval *Eulia pinitubana* April, A. Hartzell. Cat. No. 20024.

SYMPIESIS COLONI

Green, wings clear, legs, base of scape and venter of abdomen save meson widely of distal half, orange, legs nearly white. Funicle 1 thrice, 4 nearly twice, longer than wide, 4 much longer than pedicel. Mandibles 5-dentate. Tips of hind tibiae and hind tarsi, dusky. Head subglabrous; pronotum and scutum very hairy, both glabrous; scutellum faintly scaly; propo-

deum glabrous, laterad of spiracle very hairy like scutum, from minute papillae; median, lateral carinae long, narrow, latter forked near apex at where an oblique cross-carina meets it from about middle of meson; spiracle oval. Abdomen 2 third of surface, hairy save distad. Fine punctures across apex of scutellum. Male legs black save first femora and tibiae, knees, tarsi and second tibiae; cross-carina on propodeum absent, scape dilated somewhat; funicle 1 twice longer than wide, longer than pedicel, 4 longer than club or scape; ram from same side at base of 1 - 3, third shortest, first nearly as long as club and pedicel combined. From leaf-miner on *Convolvulus*, Walnut Creek, California. R. L. Nougaret. Cat. No. 20959.

HYSSOPIUS NOVUS

Like *thymus* but pronotum longer than wide, narrowing cephalad; scutum a little longer than 'tis wide at cephalic margin, parapside with several large and many small setae; head and eyes more hairy. Mandibles 4- and 5-dentate. With *Dioroctria xanthaenobares* on *Pinus attenuata*, Patrick's Creek, Calif., Sep. , J. M. Miller. Cat. No. 21376.

ACHYSOCHARIS ATHANASII

Dark green, scape save distal half and legs save femora, white. Funicle 1 twice longer than wide, 2 longer, equal to any club joint; pedicel nearly as long as funicle 1. Postmarginal longer than stigmal, veins white; rather broad stripe across, apex first half of marginal vein; see *quingudentata*. Parapsidal furrows incomplete. Hind wing broad. Marginal fringe a fourth widest part of fore-wing. Mandible 7-dentate. 0.9 mm. Glenn Dale, Maryland, woods in August. Cat. No. 26812.

EMERSONELLA NIVEIPES

Half larger than genotype, differing: Legs whitish save coxae, abdomen 2 nearly half surface, propodeal lateral carina distincter and funicle joints nearly twice longer than wide, subequal to club and pedicel.

Mandible 6-dentate. Male abdomen 2 with white stripe cross just beyond middle, funicles longer save 1, equal club. Eggs of *Chelymophka argus*, Flatbush, N. Y., J. L. Zabriskie in June. Cat. No. 20008.

ASTICHOMYIA

Like *Achrysocharis* but scape much flattened. Postmarginal subequal to stigmal. Mandible 2-dentate, 2 much shorter. Parapsidal furrows mere impressed areas caudad. Propodeum noncarinate.

A. LATISCAPUS GENOTYPE

Dark green, wings clear, knees, tibiae save 2 at base and tarsi, white, also pedicel. Scaly punctate, propodeum glabrous. Funicles 1 - 2 somewhat longer than wide and than the pedicel, club joints shorter, 2 quadrate. King-joint minute. Spine of club as long as joint bearing it, nearly. From small spherical galls on Avocado leaves, Tampico, Mex., Jany., D. L. Crawford. Cat. No. 20835.

CIRROSPILUS MARILANDI

Like *coptoaiscae*, differing: Scutellum, postscutellum all green, propodeum so save cephalic half beyond spiracle, cephalic half scutum so; stripe cross abdomen broader than yellow proximad it; and apex of pronotum more widely green. Male same. From *Coptoaisca*, College Park, Maryland, March, G. W. Barber. Cat. No. 20825.

EPITETRASTICHUS VARICORNIS

Aeneous black, most all of tibiae 1, tips of others, knees and tarsi yellow. Club white, funicles pale below, pedicel most so. Sculpture usual; propodeum with strong median carina, no other, spiracle small, rounded. Funicle 1 twice longer than wide, longer than pedicel, club short, its spine minute. Mandibles 3-dentate. Stout, abdomen short, larger than thorax. Glenn Dale, Maryland, May 15, 1916, in woods. Cat. No. 20858.

COPIDOSOMA

Species *hartmanni*, *coleophorae* of Mayr are *Paracopidosomopsis*; so, perhaps, their closest allies. Types unseen.

PARENTEDON MULTIDENTATUS

Like *johanseni* but purple, hind coxae and antennae dusky, save scape and distal half of pedicel; abdomen dusky yellow. Funicle 1 twice longer than wide. Scutellum scaly, scutum rugulose, with short, sparse setae. Mandibles 10 dentate. Jacksonville, Florida. Cat. No. 20759.

EPARDALUS

Differs from *Parentedon*: Mandibles edentate. Club subsolid, the one division often represented by a ridge. Genotype—*Elachistus cidariae* Ashm.

EPARDALUS LOUISIANA

Black; abdomen yellow save margins narrowly, almost round, flat; like genotype otherwise but median carina foveate long each side, the lateral sulcus obscure, club spine smaller. Louisiana. Cat. No. 20020.

HYPERIMERUS

Erimerinae. Habitus of *Belonusa*. Stigmal elongate, equal the short marginal, postmarginal longer. One ring-joint, antennae 13-jointed, near clypeus. Mandibles 2- and 3-dentate. Occiput margined above. Pronotum cross-quadrate, nearly as long as scutum, parapsidal furrows complete, deep. Scutellum simple, widening distad. Propodeum with median carina only and a neck, spiracle minute, oval, toward center from base, no sulcus. Abdomen with very short petiole, ovate, 2 over third the surface, hairy at base, 3 half size of 2, rest short, all entire; ovipositor two thirds abdomen. Scrobes making a deep polished basin.

H. CORVUS

GENOTYPE

1.35 mm., body. Aeneous black, legs save coxae dark red; funicle 1 twice longer than wide, subequal to pedicel, 7 twice wider than long. Subglabrous and delicately scaly, hairy save polished 2-4 of abdomen and propodeum, latter very hairy caudo-laterad. Eyes ovate. With *Pseudococcus*, Duarte, Calif., J.B. Horton. Cat. No. 21396.

AULOGYMNUS

Like *Pseudolynx* but 3 funicles, stigmal shorter, abdomen below flatter. Ophelinini. Scutellum oblong, 8

bristles. Postmarginal distinctly longer than stigmal. Club unseen. The yellow head with wide aeneous stripe cross upper occiput, green scutum, propodeum, scutellum save lateral and distal margins narrowly. abdomen and upper hind coxae are characteristic of the genotype. Valid genus of Foerster.

DIAULINUS CARLYLEI

Differs from genotype: apex of femora, knees, tibiae save a narrow cinctus its width from base and distal half of 2 and 3, whitish. Finely reticulate. Funicle 1 twice longer than wide, club spine distinct. Mandibles 5-dentate. Parapsidal furrows short curved, meeting axillae at their *middle*. Alameda County, California. Cat. No. 20802.

ACHRYSOCHARELLA ACUMINATIVENTRIS

Like *obscurinotata* but abdomen twice longer than thorax, body reddish, scutum washed lightly with metallic, abdomen with 6 black cross-stripes from base to apex basal two thirds, all broken at meson. Propodeum with short flat median carina. Washington, D. C. Cat. No. 20215.

APROSTOCETUS ANIMUS

Like *canadensis* but tibiae pale, apex widely of femur 1 so, funicle 1 half longer than wide, postscutellum, parapsidal furrows and grooves of scutellum, mouth widely, eye margins, yellow. Propodeum very short at meson. Las Cruces, New Mexico. Cat. No. 20214

HYPERTELES

One ring, four funicles, three clubs; head much longer than wide; scutum simple, scutellum, four sulci; abdomen conical, twice the thorax, ovipositor extruded for sixth of its length, twice length of a short stylus above it. Stigmal long. Specimen in U.S.N.M., "*Oxyomorpha elongata* Forst. Germany".

CLEONYMUS NIGRICLAVUS

Like *californicus* but wings clear, pedicel, hind legs save coxae, reddish; dorsal abdomen entirely coarsely scaly, 3 a mere line, 5 little longer than 6, 6 but the third of 2; club less pointed, not quite as long as the prolongation of last funicle; antennae but 10-

jointed, funicles 1-2 here replaced by one joint, the longest, narrowest, as long as pedicel. Mandibles acutely 2-dentate. Biscayne Bay, Florida, Ashmead. An anomalous form. Cat. No. 21000.

EPIPLEUROTROPIS

Differs from *Pleurotropis*: Scutellum with lateral grooves which approach round apex; propodeum with flat median carina with carinated lateral margins, widening distad, a long straight lateral carina and a carina from near base of the median; spiracle minute, oval, not at front margin; petiole rugged, wider than long, abdomen depressed, ovate, 2 sixth the surface; postmarginal a little longer than stigmal which is not sessile; mandible 2 finely serrate within; sclerite from between antennae reaching v-suture of vertex. Hind spurs small.

E. LONGFELLOWI GENOTYPE

. Green, wings clear, tarsi 1-3 white. Propodeum, scutellum, save for scattered pin-punctures toward middle from base, and the triangular fovea at distal end of parapsidal furrow, glabrous. Funicle 1 twice longer than wide, club 1 somewhat shorter, equal pedicel, nipple distinct. 1 mm. With *Lithocolletis*, North East, Penn., D. Isely. Cat. No. 21400.

SYMPIESIS MILTONI

Like *Marylandensis* but venter of abdomen with same marking as above. Male: Legs white save coxae, hind femora and apex widely of hind tibiae; spot of abdomen near base. Antennae 3-ramose. With the new genus just described. Cat. No. 21399.

CIRROSPILOIDEUS JOHNSONI

2 mm. Stout. Reddish, wings with a stain from marginal and stigmal half across; flagellum save scape above at distal half, scrobes, a rather large, rounded spot middle of abdomen above and an oblique stripe from spiracle nearly to apex, black. Propodeum with median carina only. Four setae long scutum, in a line on each side. Funicle 1 half longer than wide, widening distad, pedicel shorter. Club acute at apex, 1 oblong. D.C. Cat. No. 21398. To Doctor Samuel Johnson.

IDIOMACROMERUS LONGIFELLOWI

7. mm. , with ovipositor two thirds longer. Like genotype but hind femora simple, compressed, head somewhat longer, longer than wide, antennae at eye ends, thus lower. Green, wings with an oblique, twice longer than wide, stain, caudo-proximad from apex of stigmal. First tibiae save near base, straw; knees, tips of tibiae and tarsi 1-3, white. Eyes nearly naked. Body densely, very finely scaly-punctate. Propodeum plane, not long, with loveae at cephalic margin between spiracles. Pedicel twice longer than wide at apex, ring-joint 2 wider, shorter than 1, a third the length of tunicle 1 which is nearly twice wider than long, others a little longer. Mandibles tridentate, teeth, subacute, not large. Stigmal with slender neck, venation as in genotype. Male same, nearly. From clover seeds with *Bruchophagus funebris*, Saint Paul, Minnesota, W. Williamson. Cat. No. 20371.

TRYDYMUS AMERICENSIS

2. mm. Brassy, coxae so, femora washed with it at base, hind tibiae dark; legs, antennae yellow. Densely scaly, scutum with scattered thimble-punctures, sparse on rest of thorax. Scutellum with distinct cross-suture; propodeum spiracle large, round. cephalad, meson widely rugulosa; 2 of abdomen glabrous, a third the surface, entire; abdomen slightly scaly, depressed, shorter than thorax. Stigmal with small, round knob, shorter than postmarginal, not quite half the marginal. Antennae 12-jointed, two short ring-joints, tunicle 1 equal pedicel, a little longer than wide, 2 shorter, others yet wider; club without nipple. Head with scattered fine punctures, clypeus convex at apex, produced. Propodeum with no loveae cephalad save near spiracle. Michigan, April, 1890. Cat. No. 20423.

MISCOGASTER ABNORMICOLOR

1.75 mm. Aeneous, wings with a fuscous crescent from base of marginal to apex of stigmal; scape and pedicel, save above at base, yellowish brown; legs whitish save tibiae and tarsi 2-4 which are purple. Head, thorax scaly, cross-suture of scutellum deep; other-

wise thorax as in *discoloripes* but propodeum rugulose cross meson widely. Postmarginal a little shorter than marginal, somewhat longer than stigmal, the round knob of latter small. Antennae a little below eye ends, 12-jointed, two ring-joints, 1 very short. Like named species. Jacksonville, Florida. Cat. No. 20999.

MISOGASTER DISCOLORIPES

2 mm. Short, stout. Same but wings clear, scape save at apex, tegulae, knees, tibiae 1 and 2, tips of hind tibiae and tarsi brown. Scutum and scutellum with thimble-punctures in more or less longitudinal lines, cross-suture faint. Propodeum with a thin median carina, spiracle rather small, round. Stigmal knob rather large round, the vein three fourths marginal, equal the very narrow postmarginal. Antenna a little above eye ends, one ring-joint, funicle 1 cup-shaped, shorter than pedicel, others widening distad. Mandibles 4-dentate. Jacksonville, Florida. Cat. No. 20998.

COMEDO OMAEI

Like *orgyiac* but club white, postmarginal equal stigmal, carinae of propodeum very distinct. Cadet, Missouri, J. G. Barlow, June, 1893. Cat. No. 21401. Lateral carina of propodeum varies with species.

CHRYSOCAROMYIA OMAEI

Like *splendidissima* but scape yellowish long ventral margin and above at base distinctly *compressed*. North East, Penn. With *Lithocolletis*. Cat. No. 20221. To Omar Ibn al Kattab.

EULOPHUS BORROWI

Like *magnisulcatus* but no spiracular sulcus, femora reddish, scutellum with a thin carina each side just mesad the bristles, propodeum scaly, mandibles 5-dentate. Placer County, Calif., Aug. Cat. No. 20800.

DIBRACHYS DAPHNE

Same as *apatelae* but spiracle minute, round, no lateral carina, tibiae save tips widely green, clypeus scaly. Duarte, Calif., with *Pseudococcus*. Cat. No. 21402.

DESCRIPTIONES STELLARUM NOVARUM

Dated May 1, 1917.

SYMPIESIS WORDSWORTHI

Like *agromysae* but abdomen testaceous save a spot above at middle and margins. A paratype of the named species. Cat. No. 20023.

PSEUDAPHYCUS NOTATIVENTRIS

Same as *texanus* but abdomen with two equal, somewhat abbreviated stripes near middle, then a complete bow with its ends at the first spiracle, its convexity distad, then a cross-dash at meson, then a complete stripe between the second spiracles near apex; club but weakly segmented, solid in male which is similar. Fresno, Calif. grape, F.P. Poullard. Cat. No. 20019. *R. allard*

CHRYSOCHARODES MAJORIANI

0.7 mm. Like continental species of *Omphalchrysocharis* but legs and scape white save first coxae; mandibles equally 2-dentate, a minute 3 within; petiole quadrate; propodeum with thin lateral carinae only, spiracles very minute, round; parapsidal furrows but long impressions behind; ring-joint 3 very large, funicle 2 twice longer than wide, 1 a bit shorter, equal 1 of club, others of the 3-jointed club and the pedicel, shorter. Postmarginal elongate. Scaly. Male coxae and apex of scape green, flagellum with long hairs, scape compressed, not enlarged; same; genotype male funicles narrowed distad, the club 2-jointed. From a leaf-miner on *Commelina virginica* and *Cassia*, St. Vincent, West Indies, F. Watts. Cat. No. 20839.

PODAGRION MANTIDIPHAGUM GIRAULT

Type from Trinidad; ~~so~~ of *Uscanopsis carlylei*, *Oligosifa oophagus*, *Gonatocerus triguttatus*; type of *Tetrastichus maiaecosomae* from Orono, Maine; of *Paragaleopsomyia eja*, Panamint Valley, Calif.; of *Galeopsomopsis squamosus*, Argus Mtns. in the same state.

CORRECTION

Page 1, line 18, *mandibles* read *mandible*.

Green is green and blue is blue,
If red is white, nothing's true.

Hillmead Press,
Glenn Dale, Maryland, May 3, 1917