

New Lower Hymenoptera from Australia and India

By A. A. GIRAULT

Mostly Australian Chalcididae and part of a monograph. From Eastern Australia unless noted.

ERRORS IN FORMER PAMPHLETS.

A New Habit in etc., Sep. 1, 1931, p. 3, ¶s 9, 10, *Alberus* read *Ablerus*. Hymenoptera, Thysanoptera Nova, etc., Sep. 15, 1931, p. 2, *Glyptoxysta bispinosa* is *bifoveata*; the name is naked. New Pests, etc., X, Feb., 1932, p. 4, *Thoracantha guttipennis* is right.

DESCRIPTIONS.

CHALCIDIDAE.

Aphycopsis bicinctitibiae. From *australiensis*: Scape convexly dilated. Tibia 2, tarsus 2 normal. Black, legs silvery with 2 distinct tibial bands and a dorso-lateral distal spot on femora. Prothorax, pedicel save above basally, lower part scape, silvery, side margins scutum widely, head save occiput and ocellar area, axillae, orange. Funicles quadrate, enlarging. Hairless line twice closed. Shallowly, umbilicately punctate. Ex *Eriococcus*, Black Mt., F.C.T., Aug. 1931, A. Tonnoir.

Trichogrammatana subg. nov. *Trichogramma*.

Two *distinct*, equal ring-joints.

T. singularis. From *Trichogramma australicum*: Pale, wings clear; 2 lines cilia wing 2, middle complete and hind $\frac{1}{2}$ (9 cilia) from base. From stem-gall upon gum, Perth, W. Aus., Mch. 20, 1931, B. A. O'Connor. Remarkable!

Arhopoideus mozarti. Antennae save club, legs save coxa 3, yellow. Funicle 1 elongate, nearly twice pedicel, twice joint 2. Forest, Indooroopilly, Feb. 7, 1932.

Aphelinus unciniventris. Cross-band from mg. vein. Funicles a bit wider than long. Across-band near tip abdomen. Yellow. As *haeckeli*. Wynnum, forest.

Aph. columbi. A substigmatal spot; yellow, 5 marks lateral abdomen, apex ovipositor, club 2 save apex, black. Ten lines 3x coarser cilia proximad hairless line. Funicles unequal. Indooroopilly, March 15, 1931.

Marietta lessingi. From *literata*: Median line, lateral margin scutum, silvery. Abdomen with 4 cross-bands. Distal mark wing a bow. Indooroopilly, window, vii., 1932.

Marietta distonota. From *maculatipes*: Tibia 2 jet at apex, dusky band distal abdomen; 4-5 lines cilia proximad hairless line.

Mar. romae. Cilia proximad hairless line 6-7 lines, stout, dark, middle lines pale. Wing pattern as in **cowperi**. Tibiae spotted above. From *Chionaspis* on *Atalanta*, Roma, 17 Jany., 1931, D. O. Atherton and A.A.G.

Mar. angeloni. Cilia proximad hairless line spotted (4 dark areae), legs immaculate. Pale yellow, abdomen with transverse lateral marks. Wing with 3 marginal bows (reciprocals) and between these on disk 2 triangles of 3 spots each.

Aphelinus taurus. From *damoni*: Wing 2 3-4 lines cilia; axillae, club, a bowed cross-band near apex abdomen, black. Cilia wing 1 uniform; as **haeckeli** else. E. Qsld., forest, early March.

Proamotura tostini. From *aquila*: Ocelli larger, lateral over their diameter from median and equidistant; abdomen 2 not red; scutum, parapside, cephalic $\frac{1}{2}$ propodeum and of scutellum, metallic. On dying *Acacia*, Indoeroopilly, 4 Apr., 1932.

Marietta peculiaris. Golden, lower face, tip abdomen, pleurum, ventum, silvery; black: Funicles, distal club, furrows, line each side meson scutum and of scutellum, 3 narrow lines across abdomen, transverse marginal spots between; basal $\frac{1}{2}$ 1 of tarsi 2 and 3, 2 spots on tibiae, 1 on femora laterad near apex. Wing 1 clear, uniformly, wholly ciliated save dark areae— $\frac{1}{2}$ across from apex stigmal, an opposite between it and hind margin; two vs. hairless line on opposite margins. Spur pale. From Red Scale, India, L. J. Newman.

Pleistodontes listzi. From *nigris*: Leg 1 pale; funicle 1 black; wing 2 12 lines cilia; funicle 2 a bit shorter than 3, latter 4 x longer than wide, equal 4, 5-6 a bit longer than wide. Scape, pedicel, appendage, orange. Gatton, 21 Dec., 1931. B. Blumberg.

Plastocharella terrigena. From *fuscipennis*: Mg. shorter than submg. Black, wings clear; most thorax and abdomen dusky black. Pedicel, metatarsus elongate. Ovipositor $\frac{1}{5}$ surface. Fringes with some length. Gold Cr., 14 Oct., 1928.

Ablerus amarantus. From *plinii*: Band of wing from stigmal, ovipositor white at apex; cilia of wing 1 not sparse; scape black. Ex. *Chionaspis*, W. Aus., L. J. Newman. **A. hastatus.** From *socratis*: But 3 lines coarser cilia along all of marginal, wing 1 infuscated base to apex venation. Ex. *Chionaspis*, W. Aus., L. J. Newman.

AMOTUROIDES (Monodontomerinae).

To **Eridontomerus** in Hoffmeyer (1930) but propodeum tricarinate at meson ovipositor not extruded. **A. breviscapus.** Aeneous; legs (save coxae 1, 3, femur 3 center dorsad), scape save apex, yellow-brown. Pedicel a bit smaller than funicle 1, latter quadrangle. Propodeum with foveate spiracular sulcus. Reticulate. Townsville, A. P. Dodd.

Stenoteropsis papilionidis From *Ooencyrtus pacificus* Waterst.: Basal $\frac{1}{3}$ abdomen above save margins, yellow; mg. longer; coxa 3 dark (in male); club infuscated. Two pairs ova *Papilio ulysses*, Meringa, E. Jarvis, May, 1931.

Nassauia secunda. From *atoma*: legs 1-2 pale, scutellum yellow, Canberra, F. C. T., ex Coccids, A. L. Tonnoir, 1931.

Proamotura anselmi. From *aquila*: Pronotum smooth; scutum, scutellum, axillae purple; stigmal nearly straight.

Coccophagus subsignus. From *signus*: Legs pale save coxa 1, dot above on femur 1. Scutellum 3 prs. bristles (only), cephalic margin rather widely black. Joint 1 of tarsi 2-3 elongate, equal. Hong Kong, L. J. Newman, one pair.

Epitetracnemus quadriguttus. Ovipositor $\frac{1}{2}$ abdomen, apex white. Club $\frac{3}{4}$ funicle. Blue; white: funicles 4-6, tarsi, knees, distal $\frac{1}{2}$ tibia 1, $\frac{2}{3}$ tibia 2, basal $\frac{1}{2}$ femur 2, apex tibia 3 widely, elongate spur. Wing fuscous from bend of submg.-vein, 4 round clear spots, 2 pairs opposites, distal at apex veins. Funicles quadrate, enlarging. Scape clavate, dilation moderate. Red Scale, India, L. J. Newman.

Thaumasura colliscutellum. Scutellum mound-like. Hind angle propodeum toothed. Funicle, tibiae, tarsi, red yellow. Ovipositor exceeding abdomen. Wings yellow, a cloud from apex stigmal. Funicle 1, pedicel elongate. Nat. Pk., Dec., H. Hacker.

Aphytis ulianovi. Golden, wing 1 dusky to end of venation, a short substigmal spot. Funicles annular, equal; club $3\frac{1}{2}$ x longer than wide; pedicel 2 x funicle. Five lines 3 x coarser cilia proximad hairless line; 25 lines cilia, 10-11 setae from cephalic mg. vein; 6-9 lines cilia wing 2. Male same, paler, appendages white, club black apically. From Diaspinae on Gum. Indooroopilly, Apr. 1931.

Encarsia mozarti. From *aonidiae*. Scutum, apex abdomen yellow, axillae black; wing 2 at apex of 4 lines cilia; transverse pronotum black; 3-4 ridges dorsal aspect funicle. Cephalic margin scutum convex. From *Aspidiotus*, W. Aus.

Eretmoceras lativentris. As *aleyrodesii* but club only 4 x its width, thrice length pedicel; abdomen rounded-oval, scutellum shorter, wider. Colour not uniform, darker, abdomen mostly dark. Wing 1 more coarsely ciliate. Qsld.

PTEROPTRIXELLA nov. Aphelininae.

From *Apteroptrix*: Fringes short, body metallic. Male. Like *Coccophagus* male else.

P. metallica. Orange wings clear; scutum save side margins, pronotum, axillae, mesopleurum, propodeum, abdomen, thoracic venter, purple. Funicles somewhat longer than wide, pedicel small. Coxa 3 metallic. Stigmal longish, oblique. Wynnum, forest.

Matritia gratia. From *hebes*. Wing 1 sans cross-band. Middle tibial spur all pale; hind fringe wing $2\frac{1}{2}$ widest. W. Aus., on *Dactylopius*, L. J. Newman.

Thaumasura nelsoni. From *curculionis*. Tibiae also metallic, funicle 4 also red; femur 1 not excised, less swollen. Hind spurs large, very unequal, white. Frons narrower. Nelson.

Th. niobe. From *Diana*: Ovipositor equal body; femora 1, 3 with no longish hairs beneath; frons narrow, lateral ocelli not their diameter apart or from eye, 2 x farther from median. Pedicel more elongate. Eyes bare. Larger, loop of wing broken. New Guinea, Chevert Expdn. One female, Macleay Mus.

Th. auritegula. From *australica*: Funicles 1-3 red; wings clear; only coxae aeneous. Nelson, Dec. 1919. A. P. Dodd. **T. omnicyanea.** From *nigricornis*: All blue; ovipositor equal abdomen, lateral ocelli farther apart than from the eye. Upper tibia 3 with elongate white hairs. Kuranda, Nov. 1919, A. P. Dodd.

Thaumasura solis. From *bella* nov. (Rec. S. Aus. Mus. 1927, p. 315): Femur 1 not excised, femora green, lateral ocellus closer to eye than to its mate. Kuranda, Nov. 1919, A. P. Dodd.

Th. arboris. From *scutellata*: Ovipositor somewhat exceeding abdomen. Distal $\frac{1}{2}$ femur 3 laterad, 1 of tarsi 2-3, also aeneous. Stigmal straight. Tibia 3 sans elongate hairs above. Macleay Mus., S. Australia. **Th. rubritibia.** From *sanguinipes*: Ovipositor as long as body, tibiae red, lateral ocellus its diameter from eye. N.S. Wales, Macleay Mus. **Th. arenae.** From *auritegula*: Femur 1 excised beneath, red. Only joints 1-3 of funicle red. Hind tibial spurs equal. Legs red save coxae. Southport, 5 May, 1924. **Th. rubrifunicle.** As *westwoodi*. Funicle, legs save coxae 1, 3, spot femur 1 distad, red. Ovipositor valves white at apex. Femur 1 excised. Cradle Mtn, Tas., 10 Jan., 1917. G. H. Hardy. **Th. macrocalculus.** From *sanguinipes*: Funicles 2-4 red; ocelli not equidistant. Tasmania, A. White. **Th. fera.** From *locustiformis*: Hind coxa at base, tibia 3, tarsus 3, jts. 3-5 of tarsus 2, tibia 2 above and femur 3 distad aeneous, rest red. Hairs dorsal tibia 3 not long. Hind spurs equal, short. Kuranda, Nov. 1919, A. P. Dodd. **Th. micans.** From *nigricornis*: Hind tibiae, its spurs, tibia 2, red; ovipositor equal abdomen. Kuranda, 13 Dec., 1920, F. P. Dodd. **Th. magnispina.** From *micans*: Ovipositor $\frac{1}{2}$ abdomen, tibia 2 aeneous, one tibial spur very elongate, nearly as long as metatarsus. Kuranda, Dec., F. P. Dodd.

Marietta javensis (How.) **indi.** From typical form: Tibia 1, femora 1-2, 2-3 = banded respectively; femur 3 4-banded; knees dark. Face, vertex, upper thorax mottled silvery. Eleven

clear areas wing 1, one isolated dark band from disto-cephalic margin, proximal hairless line, a large, ciliated oval, axis longitudinal. On *Lecanium*, India, L. J. Newman.

OTHER LOWER HYMENOPTERA.

Megalyra fabrei. From *punctata*: Abdomen glabrous save base narrowly of 3, 5, 7, 6 save apex. Geelong, Vic. (Q. Mus.).

Megalyra nigricorpus. From *szepligetii*: Wings nearly as dark as the band, lateral ocelli distinctly closer to eye than to each other, ocelli in an equilateral triangle; abdomen above from 3 punctulate. Else as in *fasciipennis* *io*. Stannery Hills, T. L. Bancroft, 13 March, 1909.

Meg. fasciipennis West. *io*. Mesal aspect femur 3 jet, scape red. As *punctata* but head, thorax densely punctate, punctures sparser on scutellum, well-separated; apex abdomen 2 glabrous. Gympie, Jany.

Hadronotus goethei. From *bicolor*: Antennals 1-6, abdomen save last 2 segments gold. Head rugoso-punctate, much finer on thorax. Lateral ocellus twice closer to eye, well separated from it. Segment 1 striate, 2-3 reticulate, 2 exceeding 1. Postm. over twice stg., submg. not curved downward. Nelson.

Nipponophion chopini. Black, wings lightly smoky, wing 1 with a blotch from stigma (mostly in radial cell). Orange: Head, antennae, legs, prothorax, ventral, lateral thorax, propodeum, lateral, median lines on scutum, rest dorsal thorax and abdomen save dorsal disk 4 and 6. Face flavous. Ocelli large. Pin-punctate on thorax, propodeum rugose. Stigma black, pale at base. Hyaline naked area against stigma; white hiatus in upper and distal sides discoidal 2. Townsville, June 8, 1930, L. Franzen.

Mesochorus pinarae. Gold, black: Upper occiput, thoracic pleura, mesoventer, disks of notauli, antennae save 1-3, disk scutum, metaventer, basal area, axillae, abdomen save base to spiracle and segment 4. Smooth. Ocelli large. Basal area wider than long, areola exceeding it, petiolar area subequal it; of others only spiracular and post-external present, former sending an arm to the round spiracle. Black stigma hyaline at each end. Areolet shortly petiolate, open just before external cubital vein, latter obsolete. Larval *Pinara despecta*, W. Australia, L. J. Newman.

Dissolcus beenleighi. From *atriscapus*: Scrobes shallow, narrower, not margined above, no longer than a median carina running half-way up to median ocellus; fringes with some length; half smaller, venation yellow, stigmal only $\frac{1}{2}$ postm. Beenleigh, forest, 29 Dec., 1922.

Telenomus sidneyi. From *ocnus*: Funicle 2 quadrate, stigmal over thrice marginal, head glabrous. Segment 2 longer than wide, short striae at base. Stg. a bit over $\frac{1}{2}$ postm. Funicle 1 a bit exceeding pedicel, clubs 1-4 equal. Gympie.

Telen. emersoni. From *sidneyi*: Coxae yellow, eyes hairy, frons no wider than eye length, sans median groove, thoracic sculpture finer, occipital orbit not margined, clubs 1-4 unequal. Nelson.

Pseudobaeus timorensis. Black, wings clear, abdomen discally and petiole (2) pale yellow, latter $3\frac{1}{2}$ x wider than long, with 3, long-striate, 3 twice 2 and much wider, 4 smooth, subquadrate, longest. Funicle 1 longer than wide, shorter than 2-4 united, 2-4 $\frac{1}{2}$ wider than long, equal long pedicel. Stigmal very elongate, marginal longer than wide, $\frac{1}{2}$ pstmg., latter not $\frac{1}{2}$ stigmal. Two fasciae on wing—bend of submg., apex stigmal. Head, thorax coriaceous, long striae on propodeum. Timor, Black Scale, L. J. Newman. Three females.

CYNIPIDAE.

AUSTRALOFIGITES (Figitinae)

Schmiedeknecht, 1907. From *Amblynotus*: Antennae 12-, club 2-3 = jointed. (Abdomen 2 nearly twice 3, $\frac{1}{3}$ surface; furrows present; margins genae acute.) Cubitus faint, complete between base and middle of basal nerve. R cell over twice longer than widest.

A. poeta. Black; legs, veins red-brown. Scape clavate, equal distal jt. Funicles 1-4 2 x longer than wide, rest shortening, widening. Wings ciliate, fringed. Scutum, parapside, pustulate, scutellum rugulose-punctate; pair thin diverging, well separated carinae on propodeum, latter subrugulose. Metatarsus long. Kingston, forest, 1923.

Notae.

The above breaks a solemn contract because a solemn contract had been broken; and this was by a woman respectable of all persons. Treason's womb yields only foul children even though Fashion attends the birth. Stabbed by the soft hand of Love!

Brisbane, Oct. 20, 1932.