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## NEW ENCYRTIDAE FROM AUSTRALIA.—I

(Hymenoptera)

By A. A. GIRAULT

All the following from eastern Queensland, unless otherwise stated. The types are in the Queensland Museum.

**Schedius magniocolus**, new species.

As *uncinctipes*, but legs white save coxa 3, distal half scape dorsal edge, funicles 1 and 2, also purple; funicles 1-3 quadrate; tegulae yellow and a lunula before it; postmarginal terminating in a bristle which is shorter than bristles from submarginal.

Babinda. jungle, September.

**Fulgoridicida cervantesi**, new species.

Differs from *dichroma* in greater size, yellow antennae, aeneous coxae and femur 1, marginal wider, more quadrate, funicles larger, eyes larger, frons narrower, scrobicular cavity larger. Also the stronger jaw-teeth, 2 not 1, the longer. Specimens compared.

Nelson.

**Mimencyrtus arboris**, new species.

Aeneous, rather short, abdomen conic-ovate; tarsi, tips tibiae widely, knees reddish. Wings clear, veins dark. Scutum with dense pilosity, scutellum with sparse, shining; several rows punctures along each side vertex. Hairless line rather wide, only two lines proximad of it and a line of cilia along venation. Funicles all somewhat wider than long.

Ravenshoe, jungle, March 13, 1919.

**Leptomastix geminus**, new species.

Like *trifasciatipennis*, but hind wings trifasciate, legs purple except tarsi; scape with a purple spot above near apex.

Kelvin Grove, Brisbane, among herbage (H. Hacker, "6-4-1913").

**Paraenasomyia cinctorum**, new species.

As genotype but scape's dilation a regular convexity, moderately great, legs dull brown except coxa 3, femur 3 dorso-laterad on distal third, a narrow cinctus near base tibia 2 and two cincti on tibia 3, subequal to space between them; postmarginal one-third stigmal, funicle 1 only one-third longer than wide, ovipositor valves concolorous, one-fourth abdomen.

Ipswich, forest, June, 1919.

**Paraenasomyia pegasus**, new species.

As *cinctorum* but larger, cincti of tibia 3 nearly twice larger than space between them, postmarginal subequal to the slender (and longer) stigmal, jaws 2 and 3 more widely separated and more obtuse, funicle 1 thrice longer than wide, 6 somewhat longer than wide; tibia 2 unmarked. Antennae all black. Ovipositor one-third surface; body elongate, thorax depressed.

Sydney, New South Wales, forest, October 28, 1917.

**Paraenasomyia dubia**, new species.

As *pegasus* but less robust, legs yellow save coxa 3 (2 not yet seen); apex scape and of pedicel, clubs 2-3, funicles 5-6, white; funicles 2-3 longest, nearly twice longer than wide. Postmarginal three-fourths stigmal. Tegulae save base yellow.

Brisbane, 1914 (H. Hacker).

**Cerchysiopsis parva**, new species.

As genotype but postmarginal somewhat shorter than the stigmal, latter shorter yet exceeding marginal which equals postmarginal. Ovipositor as long as abdomen. Funicle 1 a bit longer than wide, jaws narrower, club less wide. Aeneous, wings clear, funicle yellowish; knees, tibiae except near base widely and tarsi, white. Five lines coarse cilia proximad hair-

less line. Distal joint maxillary palpus with a long bristle from near apex (in other, hairy at tip). Minute.

Pentland, along the Cape River, November, 1919.

**Coccidoxenus shakespearei**, new species.

As *tricolor* but funicles 2-4 longest, twice longer than wide, 1 a bit shorter, 6 subquadrate; abdomen yellow, at distal half margined with purple.

Two females, Nelson.

**Mirsyrpophagus**, new genus.

Like *Parasyrpophagus* but jaws 4-dentate, teeth obtuse, subequal; postmarginal and stigmal slightly exceeding marginal. Scrobes long, complete, a ridge between antennae. Frons wide, pine-punctate, lateral ocelli barely separated from eye, farther apart than each is from the cephalic. Scape distinctly dilated, 4-5 setae from ventral edge. Maxillary 4-, labial palpi, 3-jointed.

**Mirsyrpophagus columbi**, new species.

Dark green, wings clear, tibiae, knees, trochanters, tarsi, femur 2 reddish, club white. Funicle 1 longest, somewhat longer than wide, two-thirds the pedicel, 2-3 quadrate, rest wider. Scutum densely pilose, eyes, scutellum, scape and tibiae dorsad and antennae densely setose. Wings large, densely ciliate; many long setae from submarginal.

Two females, Cape York Peninsula, along the east coast.

**Zooencyrtus partipilum**, new species.

As genotype but fore wing hyaline, funicles 1-2 four times longer than wide, distinctly exceeding pedicel; coxae 2 and 3 green, scape yellowish brown, merely stout; scutellum finely long-lined, coppery. Tegulae yellow. Ovipositor somewhat extruded, its distal half white.

A female, Nelson.

**Achrysopophagus taurus**, new species.

Scape greatly, convexly dilated, flat; head only somewhat longer than wide. Golden, distal third scutum, basal third

abdomen, postnotum cephalad at meson, ventral edge of scape except distal fourth, tibia 3 more or less at base, purple. Club, pedicel, black; funicles 1-3, 6, legs, infuscated; funicles 4-5, ovipositor valves (which are half surface), tarsi, tibial tips, white. Fore wing at base and from base of marginal two-thirds way to apex from apex stigmal, brown. Funicle 1 quadrate, 4 shortest, 6 longest.

Brisbane, on flowers (H. Hacker).

**Coccidoxenus compactus**, new species.

Wings not exceeding the body. Like *perdubius* but tibia 2 concolorous except apex, flagellum except pedicel whitish, mandible 2 distinctly narrower, abdomen not conical but short, flat, triangular, not exceeding thorax; club stouter; 4 of maxillary palpus short-ovate (in other long and slender); and postmarginal is somewhat longer than the rather long stigmal.

One female, Wynnum, forest, June 8, 1921.

**Coccidoxenus aquacyaneus**, new species.

As *perdubius* but tibia 2 concolorous except widely at apex (proximal two-thirds green), body narrower, thorax less evidently pilose, hind wings narrower. Postmarginal not quite half the stigmal, equal marginal, latter a bit longer than wide.

A female with tag type of *perdubius*, Cannon Hill, forest, July 7, 1921.

**Parasteropaesus**, new genus.

As *Neasteropaesus* but jaws rather long, with three equal, acute teeth at apex, head somewhat longer than wide. Marginal twice longer than wide, stigmal longer, postmarginal none.

**Parasteropaesus lotae**, new species.

Aeneus, legs 1 save coxae and the femur above and below, 2 save femur more or less centrally, apex tibia 3, tarsi, scape and apex pedicel, pallid. Fore wing embrowned to apex from about middle of submarginal. Club cylindrical, equal funicle

whose small joints slightly enlarge distad, subquadrate, half of pedicel. Small, abdomen pointed.

Lota, forest, March 20, 1921.

TABLE OF LOCALITIES AND SPECIES, THE NUMBERS OF THE LATTER  
EXPRESSED IN PERCENTAGES

	Livingston, Montana.	Mammoth Hot Springs, Yellowstone Park, Wyoming.	Camp Roosevelt, Yellowstone Park, Wyoming.	Old Faithful, Yellowstone Park, Wyoming.	Canyon Station, Yellowstone Park, Wyoming.	Yellowstone Lake, Yellowstone Park, Wyoming.
<i>Aedes fitchii</i> F. & Y. ....	0.4	1.1	22.0	23.0	20.8	5.4
<i>Aedes mutatus</i> Dyar .....	31.8	47.0	7.3	0.9	.....	.....
<i>Aedes excrucians</i> Walk. ....	.....	.....	3.4	5.6	6.4	.....
<i>Aedes punctor</i> Kirby .....	.....	.....	8.6	0.9	1.6	0.7
<i>Aedes hirsuteron</i> Theob. ....	7.5	.....	.....	.....	.....	.....
<i>Aedes idahoensis</i> Theob. ....	18.4	0.4	26.8	.....	0.1	.....
<i>Aedes spenceri</i> Theob. ....	.....	.....	.....	0.2	0.1	0.1
<i>Aedes communis</i> DeGeer. ....	.....	12.2	4.3	21.6	49.8	51.5
<i>Aedes pionips</i> Dyar .....	.....	.....	.....	2.9	.....	12.5
<i>Aedes cataphylla</i> Dyar .....	.....	6.3	2.6	12.6	15.0	14.0
<i>Aedes impiger</i> Walk. ....	.....	20.1	2.0	.....	1.5	1.1
<i>Aedes dorsalis</i> Meig. ....	2.5	.....	1.3	0.5	0.1	.....
<i>Aedes canadensis</i> Theob. ....	0.8	.....	.....	.....	0.3	.....
<i>Aedes pullatus</i> Coq. ....	0.4	4.7	20.3	15.5	0.8	12.7
<i>Aedes intrudens</i> Dyar .....	.....	1.1	0.9	0.7	2.3	0.7
<i>Aedes diantaeus</i> H., D. & K. ....	.....	.....	.....	.....	0.2	.....
<i>Aedes nigromaculis</i> Ludl. ....	0.4	.....	.....	.....	.....	.....
<i>Aedes vexans</i> Meig. ....	34.4	.....	.....	.....	.....	0.1
<i>Aedes cinereus</i> Meig. ....	3.4	.....	.....	0.2	0.6	0.4
<i>Culiseta inornatus</i> Will. ....	.....	7.1	0.5	2.4	0.3	0.7
<i>Culiseta alaskaensis</i> Ludl. ....	.....	.....	.....	.....	.....	0.1
<i>Culex tarsalis</i> Coq. ....	.....	.....	.....	13.0	0.1	.....

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