

REMARKABLE CHALCID-FLIES COLLECTED IN
NORTHERN AUSTRALIA BY A. P. DODD

(*Hymenoptera*)

By A. A. GIRAULT

These species had escaped my utmost efforts in collection, and were taken, I believe, solely on tree-trunks in jungle, Queensland. They are all more or less peculiar, and help materially to complete my rolls of the Australian species, full but by no means complete. The types are in the Queensland Museum.

Metapelma columbi, new species.

As *westwoodi*, but ovipositor as long as body, basal sixth brown, base tibia 3 not white but dorsal edge of the dilation from base to apex; scrobes as in *superba*, axillae rather widely separated. Scutum with a median ridge from whose sides, like tree-branches, silvery hairs proceed. Legs concolorous save 1 of

tarsus 2. Scape cylindrical, long. Postmarginal distinctly shorter than marginal.

Kuranda.

Eusandalum compressistylus, new species.

Ovipositor half the abdomen, the compressed punctulate stylus nearly as long as it; as *stylatus* otherwise, but stigmal more slender, facial sculpture coarser, fore wing with mid-longitudinal fuscous stripe, legs except coxae, brown, abdomen proximad of stylus with uniform cross-lineolation (in others, segment before stylus densely pin-punctate), the stylus with no median carina.

Cerambycocobius bilongifasciatus, new species.

As *pax*, but head still more rounded, fore wing entirely sooty save for a wide mid-longitudinal hyaline stripe from bend of submarginal; ovipositor a third longer than abdomen; tibiae 1-2 concolorous widely at base.

Eupelmus longifasciatipennis, new species.

As *insularis* but abdomen unmarked, ovipositor just extruded, white; abdomen widest at middle, slender; fore wing with a mid-longitudinal fuscous stripe nearly to apex from caudal margin opposite bends of submarginal. Scape slender. First five antennals and legs save coxae, yellowish white. Funicles 2 and 4 longest, twice longer than wide, subequal pedicel. Postmarginal distinctly exceeding the elongate stigmal. Coxae 2 white. Discal cilia of fore wing to base. Finely scaly. Sides of scrobicular cavity strongly carinated; an obtuse median ridge through the shining cavity.

Eupelmus bicinctipilum, new species.

As *giottini* but abdomen narrow, distinctly widest before apex, less depressed; ovipositor elongate, curved, exceeding abdomen. Postmarginal over twice the stigmal; second fuscous stripe nearly twice wider than first. Scape white save distal third above and ventral edge save at each end; abdomen ventrad white at basal half, produced triangularly beneath at middle.

Ocelli in an equilateral triangle. Ovipositor black with two white cincti, 1 shortest, twice longer than wide, apex basal third, 2 over twice longer than 1, at base distal third, nearly equal black distad of it. Tarsi save 1 in tarsi 1 and 3 except each end, tip tibia 2 rather widely, white. Scape slender, curved; pedicel subelongate, exceeding funicles, of which 2 is twice quadrate 1, 3 longest, over twice longer than wide, equal 4, a bit shorter than pedicel. Pilose. Fore wing ciliated to base, a short hairless line from apex submarginal.

Kuranda.

Eupelmus napoleoni, new species.

As *grotii* but ovipositor half longer than abdomen; stigmal long, curved, knob acuminate. Wings subhyaline, veins pale. Legs brownish yellow save coxae, femora 1 and 3 (except latter sometimes and except apex) and tibiae 1 and 3 obscurely at base. Funicles 3-4 longest, nearly as long as pedicel, over twice longer than wide, 8 a half longer than wide. Scape obclavate. Postmarginal twice the stigmal. Face below antennae and thorax below mesopleurum, with noticeable silvery pubescence. Coxae 1 and 3 bearded.

Eupelmus partisanguineus, new species.

Fore wing infuscated from bend of submarginal to apex, the infuscation yellow to apex marginal, from thence sooty. Stigmal sessile, postmarginal very elongate. Ovipositor nearly as long as abdomen, latter cylindrical, thicker at base, exceeding thorax. Frons moderate. Large, purple, red as follows: Ovipositor valves save apex widely, scape, pedicel, funicles 1-3, prothorax, legs save lateral aspect coxa 3, scutum except lateral aspect of each ridge widely at distal third, a narrow stripe along under mesopleurum, space between axillae and wings, propodeum, propectus, basal third abdomen. Usual otherwise but ridges of scutum closer to meson than usual. Funicle 1 quadrate, 2 elongate, exceeding the compressed scape, rest shortening, 2 over four times the pedicel, 8 twice longer than wide.

Kuranda.

Eupelmus nonaericeps, new species.

Fore wing nearly uniformly lightly infuscated throughout. Postmarginal about twice the long, curved, beaked stigmal. Scape with a linear exfoliation, greatest at basal two-thirds. Ovipositor equal abdomen, basal sixth, distal two-thirds black, second sixth brownish. Orange, thorax with a purplish sheen, purple as follows: Tegulae, propodeum save cephalad, coxa 3 above, ocellar area, abdomen above for proximal five-sixths save margins narrowly, apex of abdomen. Scrobes obscure. Subglabrous. Frons moderately wide, lateral ocelli halfway between eye and cephalic ocellus. Abdomens 2-4 bilobed behind. Flagellum black, funicles 2-4 equal, two-and-a-half times longer than wide, 8 equal pedicel. Fore wing ciliated to base, the submarginal setae gross. Large species.

Kuranda.

Metapelma longfellowi, new species.

As *superba* but half smaller, ovipositor somewhat exceeding abdomen, the fourth fifth white; lateral ocelli closer than each is to the cephalic, frons therefore narrower; discal cilia under marginal not scale-like, only stout; a very large bristle at caudal margin half way to discal cilia from base.

Kuranda.

Borrowella, new genus (Encyrtini).

As *Aenasiella* but frons narrow, jaw teeth bare unequal, marginal a half plus larger than wide, much shorter than the slender, straight, long stigmal, the postmarginal elongate, distinctly exceeding stigmal.

Borrowella bioculata, new species (genotype).

Purple, scape, legs save femur 1 widely at apex, reddish brown, funicle whitish, 1 dusky; fore wing dark from apex submarginal to apex, two large, irregular eye-spots, opposite margins, one at apex marginal. Finely scaly. Funicles 1-2 a third longer than wide, shorter than pedicel, 6 wider than long.

Palpi dark. A line of discal cilia nearly to base from main ciliation along submarginal.

Kuranda.

Borrowella punctatinotum, new species.

As *bioculata* but scape cylindrical, ovipositor extruded two-thirds abdomen; coppery, abdomen purple, scutum, pronotum with coarse umbilicate punctures, sparse and rather obscure on scutellum, smaller but nearly as dense on frons; funicles 1 and 6 black; jaw-teeth larger, infuscation of fore wing with only the caudal eye-spot, this less distinct; pedicel somewhat longer.

Kuranda.

Eucomomorphella, new genus (Encyrtini).

As *Eucomys* but metallic, jaws with three long, acute teeth, scutellum simple, wings simple, hind legs as in *Metapelma*, postmarginal nearly twice the long, curved stigmal. Ovipositor free, scutum large.

Eucomomorphella emersoni, new species.

Aeneus, first two legs, antennae reddish brown, coxae save base of 3 narrowly, silvery; hind legs entirely purple save linear exfoliation of femur and tibia, this white; tibial spur (middle legs) dark at tip. Head punctate. Femur 2 and proventer, silvery. Fore wing sooty from base of stigmal nearly to apex. Tegulae white at apex. Thorax pilose, minutely punctate. Scutellum, axillae more densely pilose, dark velvety green. Funicle 1 nearly thrice longer than wide, nearly twice pedicel, 6 a bit wider than long. Clubs 2 and 3 very many times wider than long, curved. Jaw 1 largest. Hairless line closed at caudal margin by 4-5 lines. Costal cell wholly ciliate.

Kuranda.

Austroencyrtus, new genus (Encyrtini).

Runs to *Neocopidosoma* but as *Pseudencyrtella* otherwise, scape from above clypeus, flagellar joints elongate. Marginal twice longer than wide, half the curved stigmal, latter a bit shorter than postmarginal; head nearly as wide as long, jaw-

teeth unequal, 1 strong, 2 weaker but as long, 3 shorter, obtuse; 3 of maxillary palpus shortest, 4 elongate, subacuminate, 1 long. Ovipositor three-fourths surface. Club solid.

Austroencyrtus annulicornis, new species.

Robust, dark aeneus, fore wing slightly smoky to apex from about bend of submarginal, veins brownish. Funicles 5-6 white, basal two-thirds of scape, ovipositor valves save apex more or less widely, tarsi, tibiae, knees, rich reddish brown. Sculpture fine, small pin-punctures occasionally. Pedicel not half funicle 1 which is longest, a quarter longer than 6 which equals club, latter about four-and-a-half times longer than wide. About seven lines cilia proximad hairless line.

Kuranda (types) and Nelson.

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