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## HEMIPTEROLOGICAL CONTRIBUTIONS.—No. 1.

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## Fam. ODONTOSCELIDÆ.

**CORIMELÆNA**, White.1. *C. minuta*, n. sp.

Blue-black, dull, the upper surface densely, minutely, roughly punctured all over. Head subtriangular, acutely rounded in front, rather acute at tip, the lateral margins sinuated; tylus a little longer than the lateral lobes, recurved at tip; antennæ yellow, the last two joints dusky; rostrum pale piceous. Thorax broader than long, the transverse impression of the middle almost effaced; the humeri rather prominent. Scutellum very high, convex, about as broad as long, reaching the genital-bearing segment, slightly sinuated at the lateral margins, not emarginated, nor striated. Hemielytra but little narrowed towards the tip, orange, with a narrow, black, slightly waved line near the interior margin, punctured only at the base. Venter polished, finely punctured at the sides, the antepenultimate and following segment margined with yellow at the sides. Legs black, tibiæ piceous, becoming paler towards their tips; tarsi testaceous.

Length 2 millim. Humeral breadth  $1\frac{1}{2}$  millim.

*Hab.* Cuba. Prof. Poey. Cabinet of the Entomological Society.

2. *C. extensa*, n. sp.

Elongate-oval, brownish-brassy, shining. Head rather long, subtriangularly rounded, the sides sinuated, the surface finely, densely punctured, with a small smooth spot at each side of the middle at the base; tylus scarcely longer than the lateral lobes, minutely recurved at tip; antennæ pale rufo-piceous, but little dusky upon the apical joints; rostrum dark piceous. Thorax nearly one half broader than long, densely, scabrously punctured, especially at the sides, humeri but little prominent, shallowly emarginated above, and very slightly so beneath. Scutellum much longer than broad, becoming a little narrower posteriorly, moderately convex, closely punctured, at the sides confluent so; lateral margins waved, not deeply sinuated at base, the apex obliquely rounded, reaching the base at the genital-bearing seg-

ment; each side a little before the middle, with an oblique shallow impression. Hemielytra pale yellow, with a narrow black punctate stripe, which does not reach the tip, enlarges to the base, and is closer to the interior than to the exterior margin, the striæ which bound the stripe become confluent before the middle. Beneath polished, punctures scattered, the penultimate segment margined laterally with an abbreviated yellow line. Legs brassy, polished; tarsi rufo-testaceous.

Length  $4\frac{1}{2}$  millim. Humeral breadth  $2\frac{1}{2}$  millim.

*Hab.* Near Fort Benton. Mr. John Pearsall.

3. *C. incerta*, n. sp.

Form and general appearance of *C. basalis*, Germar. Black, shining. Head not so broadly rounded in front; not depressed, but almost regularly convex, the surface much more deeply, but less densely punctured, tylus not fully as long as the lateral lobes, which, at the extreme tip are a little divaricated, acute, yellow. Thorax similar in form to that of *C. basalis*, the sides a little more deeply sinuated, the excavation interior to the humeri much shallower, the surface at sides posteriorly more coarsely and closely punctured. Scutellum subsinuated at base, the surface much more coarsely, deeply, uniformly punctured all over. Corium short, bluntly triangular, orange, with a streak upon the long stria at tip, continued a little upon the interior margin, and a spot upon the exterior margin black. Connexivum yellowish, the posterior margin of the abdomen interruptedly margined with yellow. The remaining characters as in *C. basalis*.

Length 3 millim. Humeral breadth  $2\frac{1}{4}$  millim. ♂.

*Hab.* Cuba.

The type belongs to the Cabinet of the Etomological Society.

4. *C. ciliata*, n. sp.

Broad, short, deep black, the sides of the thorax and abdomen sparingly ciliated with long piceous hairs. Head large, broadly rounded in front, the surface broadly obsolete impressed before the middle, finely, closely punctured, at base almost impunctured; antennæ rufo-piceous; rostrum reaching the middle coxæ. Thorax broad, moderately convex, finely punctured, the punctures becoming deeper and denser at the sides. Scutellum broadly rounded, moderately convex, the sides near the base rather strongly, broadly sinuated, the surface finely, dis-

tinctly punctured, the punctures becoming more dense and coarse each side at base. Corium broad, very bluntly oblique at tip, closely punctured, except upon the interior margin, the three impressed striæ become confluent before the tip. Beneath smooth, shining, very finely punctured, except upon the disk, where the punctures become very few. Coxæ and legs rufo-piceous; tarsi testaceous. The usual carbon-black area is present each side of the pectus.

Length 5 millim. Humeral breadth 3 millim.

*Hab.* San Francisco.

The unique specimen in my collection was kindly given me by Dr. John L. LeConte.

5. *C. denudata*, n. sp.

Similar to *C. unicolor*, Beauv. in form, but more narrowed posteriorly, brassy black, very glossy. Head short, broad, slightly sinuated before the eyes, the tip subtruncated, the tylus slightly, and the margins very narrowly recurved, the surface finely, obsoletely punctured; antennæ pitchy-black, paler at the points of articulation; rostrum piceous, reaching the middle coxæ. Thorax very convex, hardly elevated above the scutellum at base, impunctured, except at the sides, where it is longitudinally, shallowly impressed; humeral angles slightly prominent, the impression anterior to them shallow, transverse. Scutellum not suddenly arched upon the disk, obliquely declining behind, the lateral margins slightly waved; moderately sinuated at base, the basal middle impunctured, the sides closely punctured, but posteriorly less so, and near the base with a few very large punctures, the extreme tip triangularly produced, impressed, scabrous. Corium acute at tip, punctured, with three approximate submarginal striæ. Beneath finely punctured, the antepectus and disk of the venter posteriorly almost impunctate. Tarsi piceo-rufous.

Length  $4\frac{3}{4}$  millim. Humeral breadth 3 millim. ♂.

*Hab.* Louisiana.

6. *C. cyanea*, n. sp.

Bright steel-blue, polished, form of *C. ciliata*. Head broad, finely, densely, confluent punctured, each side between the eye and ocellus with a short distinct sulcus; antennæ and rostrum piceous, the latter scarcely reaching the intermediate coxæ. Thorax much broader than long, moderately convex, finely punctured upon the disc, very coarsely

so each side. Scutellum confluently punctured each side and behind, the surface beyond the disk a little broken and obsolete ridged, the lateral edge waved, very moderately sinuated at base. Corium broad, distinctly, approximately bistriate, densely punctured, excepting the interior margin. Pectus black. Venter finely punctured. Legs blue-black with a tinge of piceous; tarsi testaceous.

Length 5 millim. Humeral breadth  $3\frac{1}{4}$  millim.

*Hab.* California. Dr. Geo. H. Horn.

### Fam. PACHYCORIDÆ.

#### AUGOCORIS, Burm.

##### A. Poeyi, n. sp.

Blackish-purple, the upper surface with large, irregular wrinkles; form rather more slender than in *A. pallidus*. Head blackish-purple, polished, each side with several irregular impressions, sparingly punctured and rugulose, lateral margins recurved, sinuated; tylus prominent, stout, projecting much beyond the lateral lobes; bucculæ white; antennæ black; rostrum piceous, pale upon the middle, reaching beyond the middle of the venter. Thorax finely but not very closely punctured, the humeral angles more acute than in *A. pallidus*, Beauv.; the anterior and lateral margins, a broad longitudinal complete stripe upon the middle and a large spot at the sides anteriorly yellowish red. Anterior and posterior edge of the postpectus white. Scutellum very rugulose, punctured more closely than the thorax, the exterior edge all around white, the surface with three large trifarious reddish spots; the basal ones placed at each corner, with one branch running to the exterior margin, another running to the base, and the third running inwardly; the apical spot with one branch running to the apex, and the other two branches running obliquely outwards, upon the disk is a longitudinal streak of the same color. Venter orange yellow, finely punctured, the sides with a series of sub-quadrate black spots, the spots upon the genital segment, a large round one on the preceding segment, a smaller round one each side of the second segment, and two smaller ones behind the disk, also black; the penultimate segment margined posteriorly with white. Lateral margins of the pectus reddish-white. Legs blackish-violet, the femora beneath and at base lurid.

Length 13 millim. Humeral breadth 7 millim.

*Hab.* Cuba. Prof. Poey. Cabinet of the Entomological Society.

**PACHYCORIS**, Burm.1. **P. Wilsonii**, n. sp.

Rather less robust than *P. nitens* Dallas, the scutellum subtruncated at tip, and oblique each side before the tip. Head blue-black, with a large yellow patch on each side of the tylus, upon which the punctures are few and obsolete; the lateral margins recurved almost to the eyes, very slightly sinuated. Thorax violet, or blue-black, the punctures minute, remote, sides almost straight, the margins broadly recurved, the surface with eight orange spots, which are a little longer than in *P. nitens*, those of the anterior angles run along the lateral margins to beyond the middle, the post-humeral ones reaching the base of the scutellum. Scutellum with fourteen large orange spots, arranged 5, 4, 3, 2, punctured like the thorax. Pectus with large transverse yellow spots near the coxæ, and the lateral spots of the upper surface distinctly exhibited upon it. The first ventral segment, and a long transverse spot each side of the remaining segments orange. Legs steel blue, more or less orange at base.

Length 10–11 millim. Humeral breadth 7–7½ millim.

*Hab.* Cuba. Cabinet of the Entomological Society.

It varies very much in coloring, and one of the varieties offers the same style of coloring as is met with in the yellow variety of *P. Klugii*, Burm.

I desire to dedicate this species to Dr. T. B. Wilson, as a slight testimonial of the high esteem in which I hold the many kind assistances that he has extended to me in my studies of the Hemiptera of this country.

2. **P. Stallii**, n. sp.

Form and general appearance of *P. nitens*, Hope, but polished deep black, or slightly tinged with purplish, above very minutely scabrous, more coarsely, closely, deeply punctured; tylus much longer than the lateral lobes, the head not so acutely narrowed at tip, the lateral margins not recurved. The spots orange-red, small, ovate, arranged similarly to those of *P. nitens*, but two less in number (those of the humeri being wanting), and the spot of the anterior angle placed near the middle of the lateral margin and elongate-oval in form. Lateral margins of the thorax a little more strongly recurved, against this the depressed submargin is densely punctured. Posterior margin of the scutellum dis-

tinctly recurved. Surface beneath immaculate, metallic bluish-violet, highly polished; punctures of the venter distant, almost obsolete, entirely wanting upon the disk. Pectus coarsely, closely punctured.

Length 12 millim. Humeral breadth 8 millim.

*Hab.* Cape St. Lucas, Lower California (John Xanthus.)

## HOMOPTERA.

### CERCOPIDÆ.

#### MONECPHORA, Amyot et Serv.

##### *M. fraterna*, n. sp.

Dark brown, finely, densely punctured. Head and face dull red, polished, frontal carina, labrum and rostrum bright red, the latter tipped with blackish; vertical carina arched, reaching the middle of the vertex, more or less brown, excavated, its surface irregular; stemmata red, eyes dull red. Thorax dark brown, with a transverse reddish-yellow line upon the middle, lateral carinate margins red, the surface with an oblique, and several irregular smaller impressions each side anteriorly. Scutellum like the thorax in color, punctured a little more coarsely, shallowly impressed on the middle. Hemelytra rounded at tip, dark brown, with two reddish-yellow transverse lines composed of linear spots, the first band placed a little before the middle, the other a little behind the middle. Pectus red, polished, with brown areas. Abdomen brown, with the incisures and lateral margins red. Legs red, the femora a little tinged with brown; apices of the tarsi brown.

Length to tip of Hemelytra 11 millim. To tip of abdomen 7 millims. Humeral breadth 4 millims.

*Hab.* Cuba. Prof. Poey. Cabinet of the Entomological Society.

#### CLASTOPTERA, Germar.

##### 1. *C. undulata*, n. sp.

Form of *C. proteus*, Fitch, chocolate-brown, polished; head cream-yellowish, the face inferiorly white, front with a broad dark brown band below, above this are seven interrupted narrow bands; labrum and rostrum dark piceous, the tip of the latter whitish; vertex with an irregular transverse brown band; jugum prominent, transversely marked with brown and cream color, sulcated. Eyes cream color, the inferior half brown. Thorax transversely ribbed, the anterior and

posterior margins and a biarcuated medial band brown. Scutellum sulcated to the tip, which is dark brown, two whitish lines gradually approach each other towards the tip, and across the middle is a linear impressed constriction. Hemelytra chocolate-brown, clothed with yellowish pubescence, the costal and apical cellules hyaline, across the middle is an irregular wavy whitish band, near the apex is the ordinary callous spot. Wings dusky hyaline. Legs brown, with a short white line at the knees.

Length to tip of Hemelytra 4 millim. Thoracic breadth  $1\frac{3}{4}$  millim.

*Hab.* Cuba. Poey. Cabinet of the Entomological Society.

2. *C. stolidus*, n. sp.

Form of the preceding, polished, brownish-black. Head yellow, front with a broad brown band, above which are seven or eight less deep brown, transverse striæ interrupted in the middle; labrum pale brown, rostrum dusky at tip, the eyes dark brown. Thorax transversely finely ribbed, dark brown, the anterior and lateral margins yellowish. Scutellum dark brown, indistinctly longitudinally sulcate near the tip. Hemelytra paler brown, three of the apical cellules subhyaline, upon the middle three yellow spots arranged transversely, the middle one much smaller, the ordinary apical callous dot present. Abdomen brownish-black. Legs yellow, apices and spines of the posterior tibiæ, and apices of all the tarsi dark brown.

Length to tip of hemelytra  $2\frac{1}{2}$  to  $4\frac{1}{2}$  millims.

*Hab.* Cuba. Cabinet of the Entomological Society.

**JASSUS** Burm. emend.

*J. Kennicottii*, n. sp.

Fulvous, beneath yellowish, form a little more robust than in *J. clitellarius*, Say, the vertex a very little more angular, the face more oblique. Face yellow, obsoletely streaked with fulvous, with two round black dots just below the line of the vertex, placed transversely; vertex with a transverse fulvous line; eyes black, divided in the middle by a yellow line; ocelli red. Thorax fulvous, the posterior margin and a transverse line on the middle yellow; pectus yellow, obsoletely marked with fulvous. Scutellum with a transverse impressed line behind the middle, and behind this the surface is depressed, the posterior margin



yellow. Hemelytra fulvous, with a dark brown streak in the middle; the costal margin, exterior, apical and interior veins, and a stripe separating the corium and clavus greenish yellow; wings dusky hyaline, the veins more or less blackish. Tergum yellow, blackish on the disk. Venter pale yellow, more or less tinged with reddish or dusky. Legs pale yellow, the nails blackish.

Length to tip of wings  $6\frac{1}{2}$  millim. To tip of abdomen 5 millim.

*Hab.* Near Baltimore. July 7th and 12th. Rare.