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Records of Guatemalan Hemiptera-Heteroptera with Descriptions of New Species

BY

HERBERT OSBORN AND CARL J. DRAKE

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RECORDS OF GUATEMALAN HEMIPTERA-HETEROPTERA WITH DESCRIPTION OF NEW SPECIES.*

HERBERT OSBORN and CARL J. DRAKE.

The Guatemalan Hemiptera-Heteroptera listed and the new species described in this paper were collected by Prof. Jas. S. Hine during the winter of 1905. Altho most of the records recorded herein are found in the "Biologia Centrali Americana" and confirm the records of Messrs. Distant and Champion, several are new to Guatemala and Honduras, some to Central America, and a few to science.

Nearly all of the aquatic and semi-aquatic Heteroptera were turned over to Mr. J. R. de la Torre Bueno who has published a preliminary paper¹ on the same. A paper² covering part of the Homoptera was published by the senior author, but some of this material remains in the university collection for further study.

Family CORIXIDÆ.

Tenagobia socialis F. B. White.

One specimen: Los Amates, Guatemala, Feb. 18th, 1905.

Family NEPIDÆ.

Ranatra fusca Palisot de Beauvois.

Two typical specimens, taken at Los Amates, Guatemala, Jan. 16th, 1905.

Family BELOSTOMIDÆ.

Belostoma annulipes Herrich-Schäffer.

One specimen: Los Amates, Guatemala, Jan. 16th, 1905.

Abedus breviceps Stal.

One specimen: Gualan, Guatemala, Jan. 14th, 1905.

Zaitha anura Herrich-Schäffer.

One specimen: Los Amates, Guatemala, Jan. 16th, 1905.

Zaitha fusciventris Dufour.

One specimen: Los Amates, Guatemala, Feb. 16th, 1905.

Family GELASTOCORIDÆ.

Pelagonus perbosci Guérin.

Several specimens from Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 16th; Santa Lucia, Feb. 2d, 1905.

Gelastocoris oculatus Fabricius.

Five specimens of this common and widely distributed species from Guatemala; Gualan, Jan. 14th; Aguas Calientes, Jan. 28, 1905.

* Contributions from the Department of Zoology and Entomology of the Ohio State University, No. 40.

¹ Ohio Naturalist, Vol. VIII, No. 8, p. 370-382.

² Ohio Naturalist, Vol. IX, No. 5, p. 457-466.

Family SALDIDÆ.

Salda opacipennis Champion.

A large series, evidently a common insect in Guatemala: Gualan, Jan. 14th, 1905. The female is larger and broader than the male and has a white spot at the base of the elytra. The genital segment is slightly produced in the middle; whitish on the borders and most of the posterior third.

Family REDUVIIDÆ.

Saica apicalis n. sp.

Similar to *S. fuscipes* Stal, but with the apices of the femora, base of tibiae, and spines on the pronotum, prothorax, and scutellum vermillion-red.

Antennæ as long as the body; basal segment nearly as long as the other three conjoined; second segment one-third as long as the first; third segment twice the length of the second; fourth one-half the length of the third; first and second segments straight; the third and fourth slender and curved. Anterior and intermediate legs nearly equal in length; posterior legs longer with the femora passing the end of the abdomen. Legs and antennæ clothed with long fine hairs. The anterior femora with an outer and inner row of setæ quite regularly placed.

COLOR. Head, thorax, abdomen, rostrum, base of antennæ, coxæ, trochanter, base and apex of femora, costa, veins of hemelytra and base of tibiae vermillion-red. Antennæ, femora except base and apex, tibiae except base and apex, posterior portion of abdomen, blackish or infuscated. Legs blackish, apex of tarsi and tibiae of fore and middle legs fusco-ochraceous. Tarsi only of posterior legs fusco-ochraceous.

♂. Penultimate segment short and surpassed by the margin of the antepenultimate. Terminal segment tumid, with long incurved claspers, densely haired, acute at tip.

♀. Genital segments triangular, rounded below, with a central supranal plate covering the larger part. The lateral lobes narrow, their apices and borders of vulvar openings densely haired.

Length ♂ and ♀ 13 to 13.5 mm, width ♂ and ♀ 2 mm.

One ♂ and four ♀, taken at Los Amates, Guatemala, Feb. 18th to 28th, 1908.

?Stenopoda culiciformis Fabricius.

One nymph, taken Jan. 15th, 1905 at Gualan, Guatemala.

Conorhinus dimidiatus Latreille.

One specimen, belonging to the variety *C. maculipennis* Stal as recognized by Champion: Santa Lucia, Guatemala, Feb. 1st, 1905.

Sirthenea carinata Fabricius.

One adult and two nymphs from Guatemala: Morales, March 8th; Gualan, Jan. 14, and Feb. 15, 1905. This conspicuous and well-marked species ranges from Ohio to the southern part of South America.

Apiomerus moestus Stal.

One specimen, taken at Puerto Barrios, Guatemala, March 3rd, 1905.

Zelus rubidus Lepelletier et Serville.

One specimen, taken Jan. 14th, 1905 at Gualan, Guatemala.

Zelus cervicalis Stal.

♂ and ♀, taken Jan. 14th, 1905 at Gualan, Guatemala. This seems to be a rather variable insect. In color the ♂ agrees with *Z. lævicollis* Champion but lacks the tooth on the lateral angles of the pronotum. In the ♀ the color markings on the post-ocular portion of the head are not very distinct and there are no spines on the pronotum; the legs are much darker than in the male. A large series of these two forms will probably prove *Z. lævicollis* Champion to be a variety of this species with a slightly prominent tooth on the lateral angles of the pronotum.

Ricolla simillima Stal.

A large series of this common insect from Guatemala: Gualan, Jan. 14th; Los Amates, Jan. 17th and Feb. 18th to 28th; Puerto Barrios, March 3d to 14th. One specimen, taken at San Pedro, Honduras, Feb. 21st, 1905.

Repipta taurus Fabricius.

Five specimens from Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 18th; Puerto Barrios, March 3d, 1905.

Repipta flavicans Amyot and Serville.

Three specimens from Guatemala; Santa Lucia, Feb. 2d; Puerto Barrios, March 3d, 1905. One specimen, collected at San Pedro, Honduras, Feb. 21st, 1905.

Repipta nigronotata Stal.

One specimen, taken March 3d, 1905 at Puerto Barrios, Guatemala.

Atrachelus cinereus Fabricius.

Four specimens from Guatemala: Gualan, Jan. 14; Santa Lucia, Feb. 2d, 1905.

Sinea sp.

One nymph; Los Amates, Guatemala.

Sinea caudata Champion.

One specimen, taken at Los Amates, Guatemala, Feb. 2d, 1905.

Sinea raptoria Stal.

Two specimens, taken at Gualan, Guatemala, Jan. 14, 1905.

Family EMESIDÆ.

Emesa longipes De Geer.

Five specimens from Guatemala: Gualan, Jan. 14th; Mazatenango, Feb. 3d, 1905.

Ghilianella ignorata Dohrn.

One specimen, taken Feb. 5th, 1905 at Los Amates, Guatemala.

Stenolæmus spiniventris Signoret.

One specimen: Los Amates, Guatemala, Jan. 17th, 1905. This species is apparently very rare and, although not hitherto recorded for Guatemala, this confirms the record of its occurrence in Central America.

Family ANTHOCORIDÆ.

Asthenidea nebulosa Uhler.

Two specimens from Guatemala: Los Amates, Feb. 25th, 1905.

Family CAPSIDÆ.

Trachelomiris oleosus Distant.

A large series of this common insect. Guatemala: Santa Lucia, Feb. 2d; Mazatenango, Feb. 3rd; Gualan, Feb. 13th; Los Amates, Feb. 18th and March 18th to 28th; Puerto Barrios, March 3d, 1905. Honduras: Feb. 21st to March 8th, 1905.

Jobertus chryselectrus Distant.

Two specimens from Guatemala: Santa Lucia, Feb. 2d; Los Amates, Feb. 25th, 1905.

Creontiades rubrinervus Stal.

One specimen from Guatemala: Santa Lucia, Feb. 2d, 1905.

Eioneus bilineatus Distant.

One specimen, taken at Los Amates, Guatemala, Jan. 17th, 1905.

Resthenia latipennis Stal.

A fine series from Guatemala: Gualan, Jan. 14th; Santa Lucia, Feb. 2d, 1905. One specimen from Honduras; San Pedro, Feb. 21st, 1905. The series contains the typical and varietal forms as figured by Distant, also specimens with the pale coloration being more ochraceous than red. The different color patterns gradually merge into each other.

Resthenia vitticeps Stal.

One specimen, taken March 3d, 1905 at Puerto Barrios, Guatemala.

Resthenia persignanda Distant.

Nine specimens from Guatemala: Santa Lucia, Feb. 2d, 1905.

Compsocerochoris annulicornis Reuter.

Three specimens of this very variable species. Guatemala; Los Amates, Feb. 25th, 1905. Honduras; Feb. 21st, 1905.

Neurocolpus mexicanus Distant.

One specimen, taken at Gualan, Guatemala, Jan. 14th, 1905.

Pappus breviceps n. sp.

Approaching *P. sordidus* Distant, but with the third and fourth antennal segments very short. Length 4.5 mm. Width 1.25 mm.

Head short, deflected; tylus prominent, polished black; eyes prominent. Pronotum slightly constricted in front of the middle; with two elevated lobes anteriorly, scarcely punctured; posterior portion coarsely punctate. Scutellum minutely transversely rugulose-punctate. The clavus and corium coarsely punctate. Posterior part of pronotum, scutellum, and hemelytra with sparse, minute, decumbent hairs. Antennæ with the first segment enlarging at the apex, scarcely longer than the head; second segment moderately thick, slender at base, and slightly incrassated towards apex, distinctly pilose, and three times as long as the first; third segment enlarging at the apex, much shorter than the first; fourth segment inflated, subequal to the third in length.

COLOR. Antennæ, eyes, and spot on the meta- and mesopleura black. Head, pronotum, and corium ochraceous and shaded with fuscous. The front of the head with about six transverse reddish arcs. Prothorax with a transverse band before the middle, in the depression reddish-fuscous; a submarginal band at base and extending forward on the sides fuscous. Scutellum blackish at the sides, with a central obscure ochraceous stripe. Membrane fuscous. Legs yellow; femora with a reddish-fuscous band near the apex; an indistinct band beyond the middle of the tibiæ and the tarsi fuscous.

Described from a single example, taken at Los Amates, Guatemala, Feb. 18th, 1905.

This species seems to be included in the genus *Pappus* as described by Distant, but differs somewhat in the proportional length of the antennal segments and in the shorter and more rounded front of the head.

Garganus albidivittis Stal.

A large series from Guatemala: Santa Lucia, Feb. 2d; Mazatenango, Feb. 3d; Los Amates, Feb. 18th to 28th. Honduras; San Pedro, Feb. 21st, 1905.

Genus Isoproba gen. nov.

Head globose and connected to the prothorax by a narrow neck; face strongly deflected. Antennæ slightly setose; first segment shorter than the head (about two-thirds as long); second segment slightly thickened, four times as long as the first, or about equal to the third and fourth conjoined. Rostrum reaching the intermediate coxæ. Prothorax narrowed in front and flaring behind; the posterior border concave; dorsal surface gibbous in front and with transverse depression behind the middle. The base of the scutellum tumid. Elytra semitransparent and set with short hairs. Type of genus—*Isoproba picea*.

This genus can be separated readily from *Paraproba* Distant and allied genera by the more globose head and the peculiar shape of the prothorax.

Isoproba picea n. sp.

Head globose, slightly wider than long. Eyes not prominent, forming part of the contour of the head; tylus slightly projecting, but strongly deflected. Antennæ with the first segment short, slender at base; second segment enlarging slightly towards the apex; third and fourth segments slender.

COLOR. General color jet black; elytra and legs pallid. Head, second segment of antennæ, thorax, scutellum, and abdomen beneath shining pitchy black. First segment of antennæ pallid, except at base black; second, third, and fourth segments black. Elytra semitransparent, on the inner border of the corium and clavus pallid and infuscated; the apex of corium and clavus, the margin of the cuneus, and the membrane faintly smoky. The legs pallid. Length, 2.75 mm, width .34 mm.

One specimen, taken at Puerto Barrios, Guatemala, March 3d, 1905.

***Lygus pratensis* Linnaeus.**

Two specimens of this widely-distributed and very variable species from Guatemala: Santa Lucia, Feb. 2d, 1905.

***Lygus sallaei* Stal.**

Three specimens from Guatemala: Los Amates, Santa Lucia, Feb. 2d; Gualan, Feb. 14, 1905.

***Lygus scutellatus* Distant.**

A good series from Guatemala: Los Amates, Jan. 17th, and Feb. 25th; Santa Lucia, Feb. 2d; Puerto Barrios, March 3d, 1905.

***Lygus lanuginosus* Distant.**

Five specimens from Guatemala: Los Amates, Santa Lucia, Feb. 2d, 1905.

***Lygus cuneatus* Distant.**

A good series from Guatemala; Los Amates, Jan. 17th; and Feb. 25th; Santa Lucia, Feb. 2d; Puerto Barrios, March 3d, 1905.

***Poecilopsus ornatulus* Stal.**

One specimen, taken Feb. 3d, 1905 at Mazatenango, Guatemala.

***Horcias plausus* Distant.**

Four specimens from Guatemala: Los Amates, Jan. 17th and Feb. 25, 1905.

***Eccritotarsus pallidirostris* Stal.**

A large series from Guatemala: Santa Lucia, Feb. 2d, 1905.

***Eccritotarsus incurvus* Distant.**

One specimen, taken at Los Amates, Guatemala, Jan. 17th, 1905.

***Eccritotarsus bulbosus* n. sp.**

Near *E. incurvus* Distant, but differing by its smaller size and the two conspicuous inflated bulbous enlargements on the pronotum. Antennæ, legs, membrane, and two spots on the margin of the corium white. Length 2.5 mm. width .9 mm.

Head transverse; eyes prominent; face deflected. Antennæ with the first segment longer than the head and slightly shorter than the second; third and fourth segments absent. Pronotum elevated in two conspicuous bulbous enlargements equal to the depth of the body, separated by a deep central furrow, leaving a narrow collar in front, and slightly overhanging the scutellum behind. Head and pronotum roughly punctate. Elytra with the costal margins convex, whitish, semitransparent, and with a black

spot behind the middle and another near the apex; cuneus transparent; narrow borders of cuneous and cell of membrane dusky. Legs distinctly whitish; tarsi and claws dusky. Genital segments whitish.

Three examples from Guatemala: Gualan, Jan. 14th, 1905; Santa Lucia, Feb. 2d, 1905.

Ecclitotarsus atratus Distant.

A good series from Guatemala: Gualan, Jan. 14th; Santa Lucia, Feb. 2d; Los Amates, Feb. 18th to 28th, 1905.

Ecclitotarsus nocturnus Distant.

Two specimens, taken at Gualan, Guatemala, Jan. 14th, 1905.

Ecclitotarsus procurrens Distant.

A large series from Guatemala: Gualan, Jan. 14th; Los Amates, Jan. 17th, and Feb. 25th; Santa Lucia, Feb. 2d; Puerto Barrios, March 3d, 1905.

Annona bimaculata Distant.

A large series from Guatemala; Los Amates, Jan. 17th, Feb. 18th to 28th; Santa Lucia, Feb. 2d, 1905.

Annona decoloris Distant.

One specimen, taken at Santa Lucia, Guatemala, Feb. 2d, 1905.

Neofurius tabascoensis Distant.

One specimen, taken at Mazatenango, Guatemala, Feb. 3d, 1905.

Bibaculus modestus Distant.

Eight specimens from Guatemala: Santa Lucia, Feb. 2d; Puerto Barrios, March 3d, 1905. As noted by Distant, this is a variable species. Three specimens are typical *modestus*; the others have the black markings brownish and more or less indistinct.

Neosilia pulchra Distant.

One specimen, taken Feb. 2d, 1905 at Santa Lucia, Guatemala.

Neosilia viduata Distant.

A good series from Guatemala; Los Amates, Jan. 17th and Feb. 18th to 28th, 1905.

Jornandes parvus Distant.

Two specimens from Guatemala: Los Amates, Feb. 18th and 25th, 1905. The two examples differ from Distant's description in having the outer half of the first antennal segment swollen and black.

Lampethusa anatina Distant.

A large series of this variable species from Guatemala: Los Amates, Jan. 17th and Feb. 25th; Santa Lucia, Feb. 2d; Mazatenango, Feb. 3d; Puerto Barrios, March 3d, 1905. One specimen from Honduras; Feb. 21st, 1905.

Family PHYMATIDÆ.

Macrocephalus notatus Westwood.

Six specimens from Guatemala: Puerto Barrios, March 3d, 1905.

Phymata erosa Linnaeus.

One specimen, belonging to the variety *fasciata* Gray, from Guatemala: Gualan, Jan. 14th, 1905.

Family ARADIDÆ.

Hesus flaviventris Burmeister.

One specimen, taken March 3d, 1905 at Puerto Barrios, Guatemala.

Dysodius lunatus Fabricius.

Two specimens from Guatemala: Puerto Barrios, March 3d; Morales, March 8th, 1905.

Family TINGITIDÆ.

Gargaphia nigrinervis Stal.

Two specimens from Guatemala: Gualan, Jan. 14th, 1905.

Leptostyla lineata Champion.

One example from Guatemala: Los Amates, Feb. 18th, 1905.

Teleonemia atratra Champion.

One ♂, Los Amates, Guatemala, Jan. 17th, 1905.

Atheas nigricornis Champion.

Five specimens from Guatemala: Gualan, Jan. 14th, 1905.

Acanthochila armigera Stal.

One specimen, taken at Los Amates, Guatemala, Feb. 18th, 1905.

Monanthia monotropidia Stal.

One example from Guatemala: Los Amates, Feb. 18th, 1905.

Family LYGÆIDÆ.

Oncopeltus cingulifer Stal.

Five specimens from Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 18th to 28th, 1905. Two examples from Honduras; San Pedro, Feb. 21st to 28th, 1905.

Lygæus pyrrhopterus Stal.

One specimen, taken March 8th, 1905, at Panzos, Guatemala.

Nysius spurcus Stal.

A good series from Guatemala: Gualan, Jan. 14th; Los Amates, Jan. 17 and Feb. 18th to 28th, 1905.

Ninus notabilis Champion.

Two specimens from Guatemala: Gualan, Jan. 14th; Puerto Barrios, March 3d, 1905.

Ischnodemus præcultus Distant.

One specimen, taken at Puerto Barrios, Guatemala, March 3d, 1905.

Ischnodemus cahabonensis Distant.

Three specimens from Guatemala: Los Amates, Jan. 17th; Santa Lucia, Feb. 2d, 1905.

Blissus leucopterus Say.

One example, taken at Los Amates, Guatemala.

Geocoris lividipennis Stal.

One specimen, taken at Gualan, Guatemala, Jan. 1st, 1905.

Geocoris punctipes Say.

One specimen from Guatemala: Los Amates, Feb. 25th, 1905.

Pachygrontha compacta Distant.

One specimen, taken March 3d, 1905, at Puerto Barrios, Guatemala.

Davilia concavus Distant.

Two specimens from Guatemala: Santa Lucia, Feb. 2d, 1905.

Myodocha unispinosa Stal.

Three specimens from Guatemala: Gualan, Feb. 15th and 19th; Los Amates, Feb. 25th, 1905.

Heræus cincticornis Stal.

One specimen, taken at Los Amates, Guatemala.

Pamera parvula Dall.

Ten specimens from Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 16th to 28th; Puerto Barrios, March 3d, 1905.

Pamera vicinalis Distant.

Three specimens from Guatemala: Los Amates; Gualan, Jan. 14th and Feb. 13th, 1905.

Pamera bilobata Say.

Four specimens from Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 18th to 28th, 1905.

Pamera dallasi Distant.

One specimen, taken at Puerto Barrios, Guatemala, March 3d, 1905.

Pamera globiceps Stal.

Two examples, taken Feb. 2d, 1905 at Santa Lucia, Guatemala.

Gonatus divergens Distant.

Two specimens from Guatemala: Gualan, Feb. 14th; Los Amates, Feb. 18th, 1905. The ♀ specimen is apparently immature and of a light color probably due to the fact that it was killed soon after the last ecdysis took place.

The ♂ referred with some doubt to this species is smaller than indicated by Distant's description. With the material on hand, we do not feel warranted in making a new species of this specimen. It is of a uniformly brown color with the posterior angles of the pronotum and the veins of the corium of lighter brown. Head slightly wider than long; eyes rather coarsely granulate. Antennæ with the second segment one-third longer than the third; third segment slightly longer than first; fourth wanting. Pronotum much wider than long; sides with a simple carina; anteriorly suddenly contracted to width of head; posterior border slightly emarginate. Scutellum triangular, large, elevated next to the pronotum, flattened on the disc, obsolete carinate at the apex. Head finely punctulate except at the base. Pronotum more coarsely punctulate, but with polished and faintly punctate areas on the anterior disc and the posterior angles. Scutellum, except the polished base, and hemelytra uniformly punctate. Length 4 mm., width 1.75 mm.

Family PYRRHOCORIDÆ.

Dysdercus mimus Say.

Two specimens from Honduras: San Pedro, Feb. 21st to March 8th, 1905.

Dysdercus albidiventris Stal.

A common and very variable insect in Guatemala: Gualan, Jan. 14th; Los Amates, Feb. 18th to 25th, 1905.

Family COREIDÆ.

Pachylis sp.

Five nymphs from Guatemala: Gualan, Jan. 14th; Puerto Barrios, March 3d, 1905.

Stenoscelidea ænescens Stal.

One specimen, taken at Los Amates, Guatemala, Jan. 16th, 1905.

Capaneus odiosus Stal.

Four specimens from Guatemala: Mazatenango, Feb. 3d; Puerto Barrios, March 3d, 1905.

Plapigus circumcinctus Stal.

Three specimens from Guatemala: Los Amates, Jan. 17th; Puerto Barrios, March 3d, 1905.

Madura perfida Stal.

Two specimens from Guatemala: Los Amates, Feb. 18th, 1905.

Madura longicornis Stal.

One example, taken March 3d, 1905 at Puerto Barrios, Guatemala.

Zicca commaculata Distant.

A good series from Guatemala: Los Amates, Jan. 17th, and Feb. 18th to 28th, 1905. Two specimens from Honduras: San Pedro, Feb. 21st, 1905.

Zicca taeniola Dall.

A large series from Guatemala, evidently a common insect. Los Amates, Jan. 17th and Feb. 18th to 28th; Puerto Barrios, March 3d, 1905. Honduras; March 21st, 1905.

Hypselonotus concinnus Dallas.

One specimen, taken at Puerto Barrios, Guatemala, March 3d, 1905.

Savius dilectus Stal.

One specimen from Guatemala: Feb. 18th, 1905.

Hyalymenus pulcher Stal.

Four specimens from Guatemala: Los Amates, Feb. 25th; Puerto Barrios, March 3d, 1905.

Hyalymenus tarsatus Fabricius.

One specimen, taken March 3d, 1905 at Puerto Barrios, Guatemala.

Alydus pallescens Stal.

One specimen from Guatemala: Gualan, Feb. 13th, 1905.

Cydamus borealis Distant.

One example, taken at Los Amates, Guatemala, Jan. 1st, 1905.

Leptocorisa filiformis Fabricius.

Numerous specimens from Guatemala: Santa Lucia, Feb. 2d; Mazatenango, Feb. 3d; Puerto Barrios, March 3d, 1905.

Corizus sidæ Fabricius.

A fine series from Guatemala: Gualan, Feb. 13th; Los Amates, Feb. 21st to March 8th, 1905. Honduras: San Pedro, Feb. 21st to March 8th, 1905.

Family BERYTIDÆ.

Jalysus mollistus Distant.

Four specimens from Guatemala: Santa Lucia, Feb. 2d, 1905.

Family PENTATOMIDÆ.

Podisus thetis Stal.

Two specimens: Los Amates, Guatemala, Feb. 21st, 1905; San Pedro, Honduras, Feb. 25th, 1905.

Mormidea ypsilon Linnæus.

Several specimens from Guatemala: Los Amates, Jan. 17th and Feb. 18th to 28th; Gualan, Jan. 14th; Puerto Barrios, March

3d, 1905. The specimens all belong to the variety *M. inermis* Dall. as recognized by Distant. A large series of this species from British Guiana shows about every gradation from the strongly spinous to the non-spinous pronotal angles.

Mormidea pictiventris Stal.

A fine series from Guatemala: Puerto Barrios, March 3d, 1905.

Euschistus crenator Fabricius.

A full series, evidently rather abundant in Central America. Guatemala: Gualan, Feb. 15th; Los Amates, Feb. 25th; Puerto Barrios, March 3d and 14th, 1905. Honduras: San Pedro, Feb. 21st to March 8th, 1905. This is a rather variable species. Three specimens from Gualan have the humeral angles less produced and not acutely angled; the lateral border of pronotum denticulate anteriorly, smooth posteriorly (without any denticulations); scutellum at apex with a very narrow whitish border.

Proxys albo-punctulatus Palisot de Beauvois.

Two specimens: Santa Lucia, Guatemala, Feb. 2d, 1905.

Proxys victor Fabricius.

Four specimens from Guatemala: Santa Lucia, Feb. 2d, and Los Amates; Feb. 18th and 25th, 1905.

Proxys punctulatus Palisot de Beauvois.

Two specimens: San Pedro, Honduras, Feb. 21st, 1905. The three above species belonging to this genus are closely related. The rather arbitrary separation on color of legs seems barely warranted, but we have followed Stal and Distant in recognizing them.

Thyanta perditor Fabricius.

Three specimens from Guatemala: Gualan, Jan. 14th, Los Amates; Feb. 18th, and Puerto Barrios, March 3d, 1905.

Nezara marginata Palisot de Beauvois.

Two specimens: Los Amates, Guatemala, Jan. 16th, 1905.

Banasa albo-apicata Stal.

One specimen: Los Amates, Guatemala, Feb. 18th, 1905. Hitherto recorded for Central America (Honduras) on the authority of Stal and its occurrence seems rather rare.

Piezosternum subulatum Thumb.

One specimen, taken at Morales, Guatemala, March 8th, 1905. This species has been recorded for Panama, Columbia, and Antilles but not for Guatemala.

Edessa taurina Stal.

One specimen: Puerto Barrios, Guatemala, March 3d, 1905.

***Edessa affinis* Stal.**

Eight specimens: Puerto Barrios, Guatemala, March 3d, 1905.

***Edessa rixosa* Stal.**

Two specimens from Guatemala: Los Amates; Feb. 25th and Morales; March 8th, 1905.

***Edessa rufomarginata* DeGeer.**

A common species for a large area in Central and South America. Guatemala: Los Amates, Feb. 18th; Puerto Barrios, March 5th to 11th; Morales, March 8th; Panzos, March 18th, 1905.

***Stiretrus anchorago* Fabricius.**

Two specimens, much smaller than the typical specimens found in United States, but otherwise similar: Puerto Barrios, Guatemala, March 3d, 1905.

Family CYDNIDÆ.

***Pangæus piceatus* Stal.**

One specimen, taken at Gualan, Guatemala, Feb. 15th, 1905.

Family THYREOCORIDÆ.

***Thyreocoris guttiger* Stal.**

Four specimens: Los Amates, Guatemala, Feb. 10th to 18th, 1905. Three specimens seem to be typical *T. guttiger* and the other is intermediate between this species and *T. quadrisignatus* Stal. These two species will probably merge with a more extended series.