

The only Central-American specimens we have received of this fine species are from Costa Rica; these agree accurately with specimens from the Amazons.

2. *Charis zama*.

Charis zama, Bates, Journ. Linn. Soc. Zool. ix. p. 392¹.

C. hermodoræ similis quoad alarum paginam superiorem; alis subtus purpureo-rufescensibus lineis nigris trans-fasciatis; posticis linea plumbea unica tantum notatis.

♀ mari similis sed alis subtus ferrugineis, ambabus linea unica submarginali plumbea notatis.

Hab. GUATEMALA, Polochic and Chisoy valleys (*Hague*), San Gerónimo, Panima, San Juan, Lanquin, Cahabon (*Champion*); NICARAGUA, Chontales (*Belt, Janson*); COSTA RICA, Cache (*Rogers*); PANAMA (*Hepburn*), Volcan de Chiriqui, Bugaba, David (*Champion*).—COLOMBIA; ECUADOR; AMAZONS VALLEY¹.

As Mr. Bates says, this is a common species throughout Tropical America, being abundant in the Amazons valley; it is equally so in Central America from Guatemala southwards. The purplish red tint of the primaries beneath renders it easily distinguishable from its allies; this colour varies to some extent in richness.

The females of typical Amazons examples are more distinctly spotted and altogether lighter in colour than is the case with our Central-American specimens, though we notice some variation in this respect.

Mr. Champion took specimens in second-growth woods and margins of the forest from sea-level to 3000 feet.

3. *Charis velutina*. (Tab. XLIV. figg. 3, 4.)

Charis velutina, Godm. & Salv. P. Z. S. 1878, p. 364¹.

Alis nigricanti-fuscis, lineis nigricantibus ad basin obsolete notatis, fasciolis plus minusve integris ferrugineo-nigris, una ultra cellulas, altera submarginali, fasciis duabus plumbeis submarginalibus, interiori valde irregulari, exteriori integra; subtus saturate purpurecentibus lineolis valde obsoletis ad basin, lineola submarginali unica plumbea in anticis interrupta, cilia alterne fusca et alba.

♀ mari similis sed alis pallidioribus; subtus ferrugineo-fuscis, lineola anticarum submarginali plumbea haud interrupta.

Hab. MEXICO (*Deppe*); GUATEMALA, Polochic¹ and Chisoy valleys, Choctum (*Hague*), Zapote, Panima, Cahabon (*Champion*).

This very distinct *Charis* has its head quarters in Guatemala, where it is abundant, especially at Panima in the Sinanja valley. Like *C. avius* and *C. iris* the colouring of the under surface of the wings in the male is of a rich tint, but the colour itself is deep purple, and not blue as in those species.

4. *Charis avius*.

Papilio avius, Cram. Pap. Ex. t. 92 B¹.

Charis avius, Bates, Journ. Linn. Soc. Zool. ix. p. 443².

Supra *C. zamæ* similis, alis subtus lætissime cæruleis certa luce viridi-micantibus, maculis quibusdam evanescen-tibus obscuris, lineola submarginali plumbea aut evanescente aut omnino absente, cilia alterne fusca et alba.

♀ alis subtus obscure fuscis, haud ferrugineis, nigro distincte maculatis.