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W.C. Hewitson

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and other caudal appendages, all establish generic agreement between *Cratippus* and *Exunguia*, there are still some points of difference available for specific distinction, even allowing for a reasonable probability of error as to the finger of the first gnathopods of *Cratippus tenuipes*. For instance, the hand is said to be three or four times as long as the wrist, whereas in *Cratippus (Exunguia) stilipes* the wrist is rather longer than the hand; the penultimate joint in the last three pairs of pereopoda is described as serrated on the inner margin, while in Mr. Norman's species, or at any rate in my specimens of it, that margin is perfectly even but for one very minute spine at about the centre. The eyes are spoken of as round and black; but the colour of the eyes in a dead specimen cannot be depended on.

EXPLANATION OF THE PLATES.

PLATE XIX.

- Fig. 1. Amphiloehus concinna.* 1 *a*, first gnathopod; 1 *b*, second gnathopod.
Fig. 2. Danaia dubia. 2 *a*, first gnathopod; 2 *b*, second gnathopod;
 2 *c*, pleon.

PLATE XX.

- Fig. 3. Callimerus acudigitata.* 3 *a*, first gnathopod; 3 *b*, second gnathopod.
Fig. 4. Cratippus (Exunguia) stilipes. 4 *a*, first gnathopod; 4 *b*, second gnathopod; 4 *c*, underside of antennæ and head; 4 *d*, maxilliped; 4 *e*, underside of pleon.

XLVI.—*Descriptions of twenty-five new Species of Hesperidæ from his own Collection.* By W. C. HEWITSON.

Hesperia Cyllinda.

Alis utrinque rufo-fuscis: anticis punctis octo, posticis uno, hyalinis: posticis infra fasciis tribus punctisque duobus griseis.

Upperside dark brown, paler at the margins of the anterior wing. Anterior wing with eight transparent spots—three at the middle, one near the inner margin, three near the apex, and one below these. Posterior wing with one small triangular transparent spot.

Underside. Anterior wing as above, except that there is a pale spot on the middle of the costal margin, a fifth spot near the apex, and an undulate arcuate submarginal band of grey. Posterior wing dark brown, with the nervures, a spot before the middle, a band below this, and a submarginal band of

grey: two small pale spots near the middle of the costal margin, and several black spots before the middle.

Exp. $1\frac{7}{10}$ inch.

Hab. Angola (*Rogers*).

Unlike any other species.

Hesperia Ligora.

Alis supra fuscis: anticis punctis octo hyalinis: posticis fascia flava macula tripartita hyalina notata: his infra albis macula atra, fasciæque lata submarginali, fuscis.

Upperside black. Anterior wing with eight transparent spots—two in the cell, three below these placed longitudinally, and three in the usual position near the apex. Posterior wing with a transverse pale yellow band (part of which is transparent) before the middle; the fringe at the anal angle fulvous.

Underside. Anterior wing as above, except that there is a bifid white spot near the outer margin. Posterior wing white, with the costal margin, a quadrate spot towards the inner margin, and a broad transverse band from the inner margin near the anal angle to beyond the middle of the wing, all dark brown.

Exp. $1\frac{8}{10}$ inch.

Hab. Angola (*Rogers*).

Unlike any other species.

Hesperia Cyrina.

Alis utrinque fuscis: anticis punctis septem hyalinis, uno in cellula bipartito: posticis punctis quinque hyalinis, fimbria aurantiaca.

Upperside dark brown. Antennæ ringed with white near the point. Anterior wing with seven transparent spots—one in the cell bifid, three placed longitudinally below this, and three near the apex. Posterior wing with five transparent spots forming a circle: the fringe, except at the apex, orange.

Underside as above, except that the anterior wing has the outer margin near the anal angle yellow, and that the posterior wing has the outer margin between the branches of the median nervures, as well as the fringe, yellow and indented inwardly.

Exp. $1\frac{8}{10}$ inch.

Hab. Darjeeling.

Unlike any described species.

Hesperia Maracanda.

Alis utrinque fuscis: anticis macula magna tripartita centrali flava,

punctis duobus sub apicem albis : posticis infra punctis quinque albis.

Upperside dark brown. Antennæ ringed with yellow near the point. Anterior wing crossed at the middle by a pale yellow, trifid, transparent band ; two minute white spots near the apex.

Underside as above, except that there is a bifid pale spot at the middle of the costal margin of the anterior wing, and a third spot near the apex, and that the posterior wing is marked by five minute white spots—two before the middle, and three after triangularly placed.

Exp. $2\frac{3}{10}$ inches.

Hab. Angola (*Rogers*). Most nearly allied to *H. Thrax*.

Hesperia Sybiritæ.

Alis supra rufo-fuscis : anticis maculis sex hyalinis : anticis infra macula subapicali lilacina : posticis ad basin lilacinis, maculis atris notatis.

Upperside dark brown. Anterior wing with three separate central large spots and three at the apex transparent ; the fringe narrow, rufous.

Underside rufous-brown. Anterior wing as above, except that there is a large subapical lilac spot. Posterior wing tinted with lilac near the base, and marked by two dark brown spots, followed at the middle by a transverse series of brown spots.

Exp. $2\frac{5}{10}$ inches.

Hab. Singapore (*Wallace*).

Like *H. Thrax* on the upperside.

Hesperia Dacela.

Alis utrinque fuscis : anticis punctis sex hyalinis, uno in cellula bipartito : alis anticis infra macula subapicali lilacina : posticis margine postico sub apicem lilacino.

Upperside dark brown. Anterior wing with three separate spots in the middle (one in the cell bifid) and three at the apex all transparent : a linear mark indicating the male.

Underside as above, except that the anterior wing has the inner margin rufous and a subapical lilac spot, and that the posterior wing is lilac on the outer margin near the apex.

Exp. $1\frac{8}{10}$ inch.

Hab. Fernando Po (*Rogers*).

Hesperia Dasia.

Alis supra fuscis ad basim cæruleo tinctis : anticis fascia bipartita punctoque hyalinis : posticis infra punctis quatuor pallidis.

Upperside dark brown : the base of both wings slightly blue. Anterior wing with a bifid band at the middle and a small spot a little beyond it transparent.

Underside as above, but paler. Posterior wing with four pale undefined spots—one in the cell and three beyond it.

Exp. $2\frac{2}{10}$ inches.

Hesperia Schædia.

Alis supra fuscis : anticis punctis tribus hyalinis punctoque flavo : posticis infra apice flavo.

Upperside dark brown. Anterior wing with three separate transparent spots at the middle (one in the cell bifid) and a small spot near the inner margin.

Underside as above, except that there is a small pale yellow spot on the middle of the costal margin of the anterior wing, that the small spot near the inner margin joins those above it, and that the posterior wing has the apex pale yellow.

Exp. $1\frac{8}{10}$ inch.

Hab. Sumatra (*Wallace*).

Hesperia Cratæa.

Alis utrinque fuscis : anticis maculis tribus centralibus, punctisque tribus sub apicem minutissimis hyalinis.

Upperside dark rufous-brown. Anterior wing with three separate transparent, triangularly placed spots in the middle, and three very minute spots near the apex also transparent : an indistinct pale spot near the inner margin.

Underside as above, except that it is tinted with purple.

Exp. $1\frac{1}{2}\frac{8}{10}$ inch.

Hab. Bahia.

Hesperia Decinea.

Alis utrinque fuscis : anticis punctis sex hyalinis punctoque ochraceo : posticis punctis duobus hyalinis.

Upperside dark brown. Anterior wing with six transparent spots and one opaque ochraceous spot—one in the cell situated on both sides, two between the branches of the median nervure, and three near the apex. Posterior wing with two central transparent spots.

Underside as above, except that there is an ochreous line near the costal margin of the anterior wing, and that the small ochreous spot described above is much enlarged.

Exp. $1\frac{1}{2}\frac{8}{10}$ inch.

Hab. Brazil.

Hesperia Lacida.

Alis supra fuscis: anticis punctis octo hyalinis: posticis puncto hyalino: his infra albis punctis maculisque fuscis notatis, margine postico lilacino punctis nigris notato.

Upperside dark brown. Anterior wing with eight transparent pale yellow spots—one in the cell, two below this, three near the apex, and two below them. Posterior wing with one transparent spot.

Underside as above, except that the anterior wing is much paler towards the apex. Posterior wing white, with a spot at the base, a spot on the costal margin, a spot on the inner margin, some smaller spots in the middle: the outer margin broadly grey marked by several brown spots, the anal angle brown.

Exp. $1\frac{7}{10}$ inch.

Hab. Gaboon (Rogers).

Hesperia Soritia.

Alis utrinque fuscis: anticis punctis novem hyalinis: tribus in medio, quinque sub apicem positis: posticis infra punctis septem indistinctis albis.

Upperside dark brown. Anterior wing with nine pale yellow transparent spots—three at the middle, one below them, three near the apex, and two below these.

Underside as above, except that the posterior wing is tinted with purple, and is marked by two pale spots in the cell, followed by a transverse series of five or six minute white spots.

Exp. $1\frac{5}{10}$ inch.

Hab. Gaboon (Rogers).

Hesperia Dacena.

Alis utrinque fuscis: anticis punctis sex minutis hyalinis: posticis margine postico albo: his infra punctis duobus minutis.

Upperside dark brown. Anterior wing with the usual three spots at the apex, and three very minute below them. Posterior wing with the margin white, indented at the nervures.

Underside as above, except that the anterior wing has a minute spot within the cell, and that the posterior wing is tinted with purple and has two minute white spots in the middle.

Exp. $1\frac{5}{10}$ inch.

Hab. Gaboon (Rogers).

This species and *H. Corduba*, both from the Gaboon, differ in form from the typical *Hesperia*.

Hesperia Sicania.

Alis supra rufo-fuscis: anticis macula centrali tripartita punctoque sub apicem minuto hyalinis, apice albo: posticis puncto hyalino: alis infra rufis.

Upperside dark brown. Anterior wing with a large central trifold spot and a minute spot towards the apex transparent: the apex white. Posterior wing with one nearly central transparent spot.

Underside as above, except that the costal margin and apex of the anterior wing are rufous, and the posterior wing rufous paler at the base.

Exp. $1\frac{5}{8}$ inch.

Hab. Brazil.

Hesperia Cydia.

Alis utrinque fuscis: anticis punctis septem hyalinis: posticis infra rufo-fuscis, fascia centrali maculaque lineari sub angulum analem albis.

Upperside dark brown. Anterior wing with seven transparent spots—one in the cell bifid, three below it placed longitudinally, and three near the apex.

Underside as above, except that it is rufous brown, that there is an ochreous spot on the middle of the costal margin of the anterior wing, and that the posterior wing is crossed at the middle, from the costal margin to near the anal angle, by a band of white, and has an oblong spot of the same colour at the anal angle.

Exp. $1\frac{1}{2}$ inch.

Hab. Brazil.

Nearly allied to *H. Fusina*, but not, I think, a variety of that variable species.

Hesperia Corduba.

Alis utrinque fuscis: anticis punctis octo minutis hyalinis.

Upperside dark brown. Anterior wing with eight small transparent spots—one in the cell bifid, four in a longitudinal band, and three near the apex.

Underside as above, except that the inner margin of the anterior wing is rufous.

Exp. $1\frac{7}{10}$ inch.

Hab. Gaboon (*Rogers*).

Hesperia Dimassa.

Alis utrinque fuscis: posticis infra punctis quatuor niveis.

Upperside dark brown.

Underside as above, except that there are two very indistinct

minute white spots below the middle of the anterior wing, and that the posterior wing has four distinct pure white spots below the middle.

Exp. $1\frac{2}{10}$ inch.

Hab. Brazil.

Unlike any other species.

Hesperia Corissa.

Alis supra rufo-fuscis: anticis punctis quinque hyalinis punctoque flavo: posticis macula flava: alis infra rufis, anticis in medio atris.

Upperside rufous-brown. Anterior wing with five transparent spots—two in the cell (one very small), three below these in a longitudinal band, and one near the apex, bifid: a triangular yellow spot near the inner margin. Posterior wing with a rather large bifid ochreous spot below the middle of the costal margin.

Underside rufous. Anterior wing dark brown from the base to beyond the transparent spots. Posterior wing without the ochreous spot.

Exp. $1\frac{6}{10}$ inch.

Hab. Borneo.

Hesperia Mammæa.

Alis utrinque fuscis: anticis punctis quinque hyalinis, duobus sub apicem minutissimis: posticis punctis quatuor hyalinis: his infra punctis septem ochraceis.

Upperside dark brown. Anterior wing with four transparent spots, and one opaque yellow spot near the inner margin: two spots between the branches of the median nervure, one (very minute) outside of these, and one towards the apex. Posterior wing with a transverse series of four small spots, two of which are transparent.

Underside rufous-brown, except the base of the anterior wing, which is dark brown. Anterior wing with the spots as above, except that there is a small spot in the cell, and that the spot near the inner margin is much larger and of a bright yellow. Posterior wing with a minute spot in the cell and below it a transverse irregular series of six minute yellow spots.

Exp. $1\frac{8}{10}$ inch.

Hab. Brazil.

Hesperia Papæa.

Alis utrinque fuscis: anticis punctis octo hyalinis, quatuor in medio (uno minutissimo), quatuor sub apicem positis: posticis puncto minuto: his infra punctis tribus albis.

Upperside dark brown. Anterior wing dark brown, with

eight transparent white spots: four (one very minute) in a longitudinal band at the middle, and four near the apex, the fourth very minute. Posterior wing with one small transparent spot below the middle.

Underside as above, except that it is castaneous, that the inner margin of the anterior wing is broadly grey, and that there is a minute white spot on each side of the spot described above on the posterior wing.

Exp. $1\frac{3}{8}$ inch.

Hab. Espiritu Santo.

Hesperia Lamponia.

Alis supra fuscis: anticis punctis quinque hyalinis: posticis infra rufis, punctis sex albis minutis.

Upperside dark brown, paler towards the base. Anterior wing with five transparent white spots—two between the branches of the median nervure (the spot between the first and second branches large and square) and three near the apex.

Underside rufous, except from the base to the middle of the anterior wing, which is dark brown. Posterior wing with six minute white spots—one in the cell and five in a curved band below it.

Exp. $1\frac{6}{10}$ inch.

Hab. Brazil.

Near to *H. elegantula* of Herrich-Schäffer.

Hesperia Locutia.

Alis supra fuscis: anticis punctis sex hyalinis (tribus apicalibus minutissimis): posticis puncto uno hyalino: his infra dimidio postico rufo, punctis tribus atris notato.

Upperside dark brown. Anterior wing with six transparent white spots—three forming a central longitudinal band, and three minute and apart at the apex. Posterior wing with one minute transparent spot below the middle.

Underside as above, except that the anterior wing has the costal and outer margins and a spot near the apex rufous, and that the outer half of the posterior wing is rufous marked by a transverse series of three black spots.

Exp. $1\frac{3}{8}$ inch.

Hab. Brazil.

Near to *H. subcordata* of Herrich-Schäffer.

Hesperia Cynea.

Alis utrinque fuscis: anticis punctis quinque hyalinis (duobus minutissimis).

Upperside dark brown. Antennæ with a white ring near the point. Anterior wing dark brown, with a linear rufous spot at the base of the costal margin: five transparent spots—one (minute) within the cell, two between the branches of the median nervure, and two (one very minute) near the apex.

Underside as above, except that the inner margin of the anterior wing is broadly grey-white, and that the posterior wing has a minute white spot within the cell, and three similar spots in a transverse line below it.

Exp. $1\frac{7}{10}$ inch.

Hab. Venezuela.

Hesperia Cormasa.

Alis utrinque rufo-fuscis: anticis punctis quinque hyalinis (duobus minutissimis).

Upperside dark rufous-brown. Anterior wing with five transparent spots—one in the cell, two below it between the branches of the median nervure, and two (very minute) near the apex.

Underside as above, except that there is a small pale spot near the inner margin.

Exp. $1\frac{6}{10}$ inch.

Hab. Borneo.

Very nearly allied to the last, but without the white ring round the antennæ, as well as the spots on the underside of the posterior wing.

Hesperia Malthina.

Alis utrinque fuscis: anticis maculis septem hyalinis: posticis macula flava: his infra macula magna flava.

Upperside dark brown. Anterior wing dark brown, with seven transparent white spots—one in the cell sinuated, three below, between the nervures, forming a longitudinal band, and three near the apex, touching. Posterior wing with a central pale yellow bifid spot.

Underside as above, except that there is a pale yellow spot near the inner margin of the anterior wing, and that the posterior wing has a large yellow central spot.

Exp. $1\frac{11}{20}$ inch.

Hab. Calabar.