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XXXVIII.—Descriptions of three new species of African butterflies in his own collection

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perceptible and the supraorbital ones end off earlier. Hamular processes of pterygoids narrow, scarcely more than 1 millim. broad, while they are broadly spatulate in *semi-spinosus* and *centralis*, and in *trinitatis* they are triangularly broadened, with a supplementary process running vertically upwards and nearly touching the basisphenoid.

Dimensions of the type (an adult female, measured in skin):—

Head and body (c.) 260 millim.; tail (c.) 161; hind foot, without claws 46·5, with claws 50·5.

Skull: extreme length 59; basilar length 40·7; greatest breadth 28·5; nasals $21·2 \times 6·7$; interorbital breadth 13; greatest breadth on supraorbital ledges above squamosals 22; interparietal $8 \times 13·4$; palate length from henselion 20; diastema 12·2; palatal foramina $5·1 \times 3·6$; length of upper molar series 8·2; breadth between bullæ on basilar suture 3·7.

Hab. Muzo, N. of Bogota, Colombia. Collected by a native, Dec. 24, 1895.

Type: B.M. 98. 2. 7. 2.

Besides three specimens from the typical locality there are examples from "La Isla" and "El Guamito" in the same part of Colombia, while a young specimen (apparently identical) has also been received from the neighbourhood of San Cristoval, Tachira, W. Venezuela.

XXXVIII.—*Descriptions of Three new Species of African Butterflies in his own Collection.* By H. GROSE-SMITH.

Pinacopteryx narena.

Male.—*Upperside* pure white; anterior wings with the base, costal margin, and the apex (rather broadly) black.

Underside. Anterior wings white, with the apex creamy white; a minute black spot at the end of the cell, and a round greyish-brown spot on the disk between the two upper median nervules. Posterior wings rather dusky creamy white, tinged with pale orange at the base; a row of six small brownish-grey spots crosses the middle of the disk between the veins, and there is a minute brownish-grey spot on the upper discocellular nervule.

Expanse of wings $1\frac{3}{4}$ inch.

Hab. Antanossi country, S. Madagascar (*Last*).

Allied to *P. charina*, Boisd., and *P. simana*, Hopff.

Mylothris flaviana.

Male.—*Upperside* differs from *M. ochracea*, Auriv., in the colour of the wings, which are uniform yellow, not ochraceous, and in the broader greyish-black apex of the anterior wings.

On the *underside* the dark apical area of the anterior wings is restricted to half the area of the dark markings on the upperside.

Expanse of wings $2\frac{1}{8}$ inches.

Hab. Cameroons.

Neptis callina.

Upperside. Both wings dusky brown; anterior wings crossed beyond the cell by a broad white band, placed rather obliquely and extending from the subcostal nervure at the middle to the lowest median nervule; the upper part of the band at the end of the cell curves abruptly inwards, the lower part of the band being narrower and indented on its outer edge; a rather large white patch on the middle of the inner margin, extending upwards to the lowest median nervule; beyond the band towards the apex are three narrow hastate white markings, and traces of a fourth, enclosing a row of conical spots darker than the ground-colour, followed by two submarginal brownish-white lines, divided by the veins; the cell is crossed beyond the middle by three dark lines and a V-shaped marking towards the base, the spaces between which are paler than the ground-colour. Posterior wings crossed about the middle by a broad white band, the inner edge of which is regular and the outer edge is indented; towards the outer margin between the veins is a row of conical spots, darker than the ground-colour, bordered on either side by dusky white lines, followed by a submarginal row of narrow lunulate dark bars, narrowly bordered on each side by dusky white lines; the cilia on both wings between the veins narrowly white, the veins where they cross the white bands being also white.

Underside brighter and paler brown than above, with the white spots and lines much brighter; on the anterior wings the ground-colour of the cell is brownish white, and on the posterior wings there is a broad white streak above the costal nervure.

Expanse of wings $1\frac{3}{4}$ inch.

Hab. Cameroons.