Species. Filaments slender, attached, tufted, about three-fourths of an inch in height; cells usually about seven times as long as broad, slightly contracted at the joints; endochrome black, contained in a small tube which passes through the cells in a waved manner.

It is not at all easy to make out the structure of this production, unless it be immersed in a solution of iodine, owing to the extreme transparency of the filaments, the dark colouring matter being situated only in the narrow thread which passes up the filaments. To the unassisted sight the filaments are of a blackish-gray colour.

Acton Green, Middlesex: several specimens.

LII.—On some new Insects from Western Africa. By the Rev. F. W. Hope, F.R.S., F.L.S.

[Continued from vol. x. p. 95.]

To the Editors of the Annals of Natural History.

Gentlemen,

From illness I have not until now been able to continue the description of the new insects received from Western Africa. Those described at present are remarkable for beauty and richness of colouring, and exhibit all the splendour so peculiar to tropical regions. From the Rev. Mr. Savage I have lately received some additional observations respecting the Goliath Beetles, which it is my intention to transmit to you on a future occasion. In haste,

I remain, yours very sincerely,

F. W. Hope.

February 22, 1843.


Hab. Circa Palmas.


Hab. in Sierra Leone.

There are two other species undescribed in the same collection.
from Africa, but they are omitted, being in too bad a state to describe.

Sp. 38. *Ampedus Savagei*, Hope. Long. lin. 9; lat. lin. 2\textfrac{1}{4}. Cyanus, capite thorace pectore femoribusque miniatis, elytris late cyaneis et striato-punctatis, abdomen negro et nitido.  
*Hab.* circa Sierram Leonam.  
This magnificent insect is named in honour of the Rev. Mr. Savage. The tibiae and tarsi are unfortunately wanting.

*Hab.* Cape Palmas.

*Hab.* Circa Palmas.

*Hab.* Circa Palmas.

*Hab.* Circa Palmas.

Sp. 43. *Ampedus auricollis*, Hope. Long. lin. 7; lat. lin. 1\textfrac{3}{4}. Æneus, antennis atris, thorace late aureo, elytris striato-punctatis et viridescens. Corpus infra concolor flavoque tomento obsitum, pedibus flavis.

*Hab.* Circa Palmas.  
The genus *Alus* requires subdividing, those from Africa differing considerably from the Asiatic species. The type of the genus belongs to the New World.

*Hab.* Circa Palmas.

*Hab.* Circa Palmas.

The above species in Africa seems to represent what *Al. fuscipes*, Fab. does in Asia, and is the largest species yet described.

**LONGICORNES.**


The above insect was taken at Fernando Po by my gallant friend Captain Downes; I have also received it from Cape Palmas. *Mallodon picipennis* and *Raddoni* are also taken at Sierra Leone.


The above insect was sent to me by Mr. Palin, who fell a victim to the unhealthy climate of Sierra Leone.


*Hab.* Sierra Leone.

**Phyllarthrius**, novum genus.

*Antennae* articulo 1mo crasso, 2do minore, 3do minimo, 6 sequentibus gradatim increcentibus et foliaceo-ramosis, externo articulo fere ovali, apice subacuto.

*Thorax* fere orbicularis lateribus haud spinosis.

*Elytra* ad apicem gradatim increcentia, rotundata.

*Pèdes* femoribus quatuor antecis incrassatis, posticis longioribus et parum dilatatis.

The above characters will at once sufficiently distinguish it from *Amphidesmus*, Esch., to which it approaches in form: its true locality in the system is doubtful.


* From φύλλας and ἄθροις, leaf-jointed Cerambyx.
The above insect was received from Sierra Leone and was collected by Mr. Palin.


The above insect was received from Ashantee.

Sp. 52. Hamaticerus signicollis, Hope. Long. lin. 10; lat. lin. 2\(\frac{1}{2}\). Niger, antennis corpore longioribus, thorace 4-maculato, maculis flavo-sericeis. Elytra ad apicem abrupte truncata linea auratosericea longitudinali conspicua, reliqua parte disci atra. Corpus infra nigrum, segmentis abdominis argenteo-sericeis, pedibus nigris, humeris nigris, postice flavo-spongiosis.

Hab. Circa Palmas.

The above species will at some future time be regarded as the type of a subgenus allied to Hamaticerus.


Hab. Circa Sierra Leonam.


Hab. Circa Palmas.

The above three species are all metallic, and appear to belong to a peculiar section. I am also acquainted with others from the same locality.


This lovely insect inhabits Sierra Leone.

Sp. 56. Callichromia assimile. Long. lin. 10; lat. lin. 2\(\frac{1}{2}\). Affine Call. Afro, Fab. et Cer. nitenti, Olivier. Viridi-nitens, antennis pedibusque ferrugineo-flavis, thorace rotundato subspinoso, transverse rugoso viridine aurato. Scutellum laxe aureum, elytris vi-
ridibus sutoraque interne aureo-vittata. Corpus infra aureum et punctatum.

Hab. Circa Sierram Leonam.


Hab. Circa Palmas.

This splendid insect varies considerably in its colouring, being sometimes purple, blue and green; it is closely allied to the *C. albotaarsis* of Fabricius.

Sp. 59. *Callicloma atripenne*, Hope. Long. lin. 12½; lat. lin. 4. Atrum, antennis pedibusque rubris, thorace utrinque subspinoso, rugisque transversis impresso. Corpore infra aurato tomentoso. The above insect I have received from Cape Palmas and also from Sierra Leone.

Sp. 60. *Callicloma igneicolle*. Long. lin. 12¼; lat. lin. 2¼. Violaceum, antennis nigricantibus. Caput lute auratum. Thorax utrinque spinosus, igne auroque estuans. Elytra elongata intere viridia lateribus violaceis. Corpus infra auratum, pedibus violaceis. The above insect seems to unite in itself the Asiatic and African *Calliclomoidae*; it was received lately from Ashantee, and is one of the most beautiful insects found in Africa.


Hab. Circa Palmas.

Sp. 63. *Euporus chrysocollis*. Long. lin. 7; lat. lin. 1. Viridis, capite antice concolori posticeque cyaneo. Antennae violaceae. Thorax aureus, fortissime punctatus. Elytra in medio obscure viridia, sutura aureo-virescente lateribus externe violaceis. Corpus infra auratum nitidum et punctatum, pedibus cyaneis. This species was given me by Captain Downes, and taken by him at Fernando Po; it is closely allied to the insect above described under the name of *amabilis*.

notatus, aliaque media aurantia. Elytra nigra fascia humerali aurantia, secunda fere media, duabus maculis concoloribus fere ad apicem positis. Intra humeralem fasciam et apicem totum discum maculis minutis viridibus aspersum. Corpus infra viride, pectore utrinque aurantio colore imbuto.

The above elegant insect is named after Mr. Palin, an assiduous collector of insects at Sierra Leone.


Received from Ashantee in 1833.


The above insect is one of the most beautiful received from Africa. It was obtained from the country of the Ashantees.

LII.—Some remarks on the Soft-billed Duck of Latham.

By George Robert Gray, Esq.

Among the ducks described by Latham in his 'Synopsis' is one that he denominated the Soft-billed Duck. It was first noticed however by Cook and Forster in their Voyages, and to them Dr. Latham was indebted for the information which supplied the material for his description. A representation of this curious and rare species of duck is given by G. Forster among his drawings, tab. 74. Gmelin was the first to give a scientific name, which he did by translating Latham's, as Anas malacorynchus. The specimens which have again brought it into notice have recently been presented to the National Collection by the New Zealand Company; they are two in number, and were brought from New Zealand by Dr. Dieffenbach; it is thus that the writer has had it in his power to examine it and to compare it with the Australian soft-billed duck. He soon discovered that Wagler was in error in considering it as belonging to the same division. From the form of the hind toe, the Australian species is a true duck near the Shovellers; while the present bird is more properly placed with the lobed hind-toed ducks, such as the Pochards, and partaking in some measure of the form of the Goosanders. It should therefore be placed in the subfamily Fuligulinae between Camptolaimus