

XXXII. *Descriptions of some new Species of DIOPSIS.* By J. O. WESTWOOD, Esq.,
F.L.S., &c.

Read November 3rd, 1835.

HAVING since the publication of my monograph upon the Dipterous genus *Diopsis* in the 2nd part of the 17th volume of the Transactions of the Linnean Society, met with some new species of that remarkable genus in several of the Continental cabinets which I have recently examined, I beg leave to offer the descriptions of them to the Linnean Society by way of supplement to my monograph.

Species ad Sectionem primam pertinentes.

Species 22. (vel 1a.). *DIOPSIS WIEDEMANNI, mihi.*

TAB. XXVIII. Fig. 1.

D. capite medioque abdominis rufescentibus, thorace nigro, spinis 2 scutellaribus et 4 thoracicis flavidis, alis fuscescentibus in medio obscurioribus maculâ ante apicem sublunari.

Long. corp. lin. 4.

Habitat in Guineâ Africæ. In Mus. Wiedemann.

Magnitudine et affinitate *D. Ichneumoneæ* proxima, à quâ autem differt alis fuscescentibus, abdominis basi nigrâ thoraceque 4-spinoso. E pedunculis oculiferis abdomineque haud clavato insectum masculinum indicatur.

Caput rubrum, os versus attenuatum, et utrinque spinâ acutâ perpendiculari armatum, pedunculi oculiferi graciles, thorace paullò longiores. *Thorax* niger, collari nitido, scutelloque concolori; *spinæ* 2 scutellares elongatæ, 2 mesothoracicæ et 2 metathoracicæ abbreviatæ, flavæ. *Abdomen* elongatum haud clavatum, sensim ultra medium latius, basi nigrâ, medio rufo apiceque rufescenti-fusco. *Pedes* rufescentes, femoribus anticis incrassatis, posticis 4, ad apicem 1-subspinosi; *tibiis* anticis subtùs obscurioribus.

Alæ fuscescentes, colore fuscescenti in medio alarum nervum versus furcatum paullò obscuriori, maculâque magnâ fuscâ sublunari, internè productâ posticèque ad apicem alæ extensâ inde apex se ipse quasi maculâ albâ rotundatâ notatus videtur.

Species 23. (vel 1 *b.*). *DIOPSIS ERYTHROCEPHALA*. *Klug MSS.*

Tab. XXVIII. Fig. 2.

D. capite lætè ochraceo, pedunculis oculiferis obscurioribus, thorace nigro, pedibus anticis pallidè luteis, tibiis tarsisque fuscis, alis pallidè fuscescentibus, maculâ ante apicem transversâ.

Long. corp. lin. $3\frac{1}{4}$. Expans. alar. lin. $5\frac{1}{2}$.

Habitat ad Promontorium Bonæ Spei. *D. Lichtenstein*. In Mus. Reg. Berolinensi.

Differt à *D. Ichneumoned* et *Wiedemanni* staturâ minore, pedunculis oculiferis brevioribus, et loco natali.

Caput lætè ochraceum, os versus attenuatum ibique in spinis duabus perpendicularibus lateralibus productum. *Pedunculi* oculiferi thorace breviores, obscuriores, spinis ordinariis armati. *Antennæ* fulvæ. *Thorax* niger serieus, collari scutelloque concoloribus. *Spinæ* scutellares speciminis unici in Musæo Berolinensi conservati deteritæ. *Abdomen* elongatum haud clavatum (itaque sexum masculinum indicatur, quamvis e brevitate pedunculorum oculiferorum insectum sexus fœminei putares), obscure fulvescens, dimidio basali obscuriori, apiceque etiam paullò obscuriori. *Alæ* pallidè fuscescentes, maculâ ante apicem transversâ notatæ. *Pedes* antici pallidè luteo-flavi, femoribus incrassatis tibiis tarsisque fuscis, pedes intermedi omniò luteo-flavi, postici luteo-fuscescentes, femorum tibiarumque basibus flavis, femoribus 4 posticis ad apicem 1-spinosis.

Species 24. (vel 2 *a.*). *DIOPSIS ARABICA*, *mihi*.

Tab. XXVIII. Fig. 3.

D. capite pallidè fulvo, pedunculis oculiferis obscurioribus, thorace nigro, collari luteo-fulvescenti, tibiis anticis posticisque fuscescentibus.

Long. corp. lin. 3.

Habitat in Arabiâ desertâ. *D. Ehrenberg*. In Mus. Reg. Berolinensi.

Statura omninò *D. erythrocephalæ* ; *D. collari* etiam valdè affinis. *Caput* lætè pallidè fulvum, pedunculis oculiferis paullò obscurioribus, et ad oculos fuscis. *Antennæ* pallidæ. *Collare* luteo-fulvum. *Thorax* sericeo-niger, scutello concolori. *Spinæ* 4 thoracicæ sordidè luteæ. *Abdomen* omninò pallidè luteum. *Pedes* abdomine concolores, femoribus posticis ad apicem 1-spinosis. *Tibiæ anticæ* cum *tarsis* pallidè fuscae, tibiæque posticæ ejusdem coloris, basi ipso luteo. *Alæ* maculâ subquadratâ ante apicem, versus costam obscuriori.

Species 4. DIOPSIS NIGRA. *Illiger*.

Vide Monogr. nostr. p. 297.

TAB. XXVIII. Fig. 4.

In Musæo Regio Berolinensi individuum hujus speciei hospitatur, indè figuram annexam et addenda specifica sequentia obtinui.

Long. corp. lin. $2\frac{3}{4}$. Expans. alar. lin. 5.

Habitat apud Sierram Leonam.

Caput nigro-piceum, ad os bispinosum, pedunculis oculiferis thoracis longitudine, fuscis, ad apicem nigris. *Thorax* niger, sericie subargenteâ indutus ; *collari* nitido piceo-nigro ; *spinæ scutellares* sordidè fuscae. *Abdomen* piceo-nigrum, nitidissimum, subclavatum. *Pedes* picei.

Species ad Sectionem 2am pertinentes.

Species 6. DIOPSIS TENUIPES, *mihi*.

Vide Monogr. nostr. p. 298.

TAB. XXVIII. Fig. 5.

In Musæo Regio Berolinensi individuum è Senegalliâ à Dom. Bucquet communicatum etiam hospitatur, quod è formâ corporis evidentè ad sexum fœmineum hujus speciei esse referendum, subindè diversitas specifica, de quâ antea dubitavi, confirmetur.

Long. corp. lin. $2\frac{1}{2}$. Expans. alar. lin. 6.

Habitat in Senegalliâ. *D. Bucquet*. In Mus. Reg. Berol.

D. tenuipede ♂. Tab. nostr. IX. fig. 5. major et multò robustior quamvis coloribus simillima. *Caput* cum cornubus oculiferis, et antennis fulvis, cornuum apicibus oculisque nigricantibus; *spinæ* ordinariæ cornuum femorumque posticorum valdè distinctæ. *Spinæ scutellares* fulvæ, apicibus nigris. *Abdomen* latum, depressum, omninò testaceo-fulvum; *alæ* in medio infuscatæ, apicibus fuscis. *Thorax* niger, sericeus. *Femora antica* tantùm paullò incrassata. *Pedes* omnes fulvi, tibiis anticis tibiærumque posticarum apicibus fusciscentibus.

Obs. Pedunculi oculiferi in insecto suprà descripto quàm in ♂ vix breviores sunt.

Species 25. (vel 10a.). *DIOPSIS TRENTÉPOHLII*. *Westerm.*

TAB. XXVIII. Fig. 6.

D. capite thorace spinisque scutellaribus nigris, pedunculis oculiferis fuscis; abdomine obscurè ferrugineo, nitido, basi nigricante; pedibus rufescentibus, tibiis anticis et posticis fuscis ♀.

Long. corp. ♀ lin. $3\frac{1}{2}$. Expans. alar. lin. 6.

Habitat in Guineâ. In Mus. nostr. Comm. Dom. Westermann cum nomine inedito *Diopsis Trentepohlii*.

Descr. Affinis *D. fumipenni*, major tamen et multò robustior, colore obscuriori pedibusque (præsertim tibiis duabus posticis) diversè coloratis. *Caput* nigrum facie anticè attenuatâ et in spinam perpendicularem utrinque productâ; *pedunculi oculiferi* circiter longitudine capitis cum thorace, fusci, spinis 4 ordinariis brevibus. *Antennæ* luteo-fuscæ, setâ apicali longissimâ. *Thorax* niger, nitidus; *scutello* concolore, opaco; *spinis scutellaribus* thoracis longitudine, acutissimis, ferè rectis, nigris; *spinis metathoracicis* brevibus nigris. *Femora antica* fulva, subincrassata, intùs serie spinarum parvarum armata; *tibiæ anticæ* fuscæ, *tarsi* fusci, subtùs aureo-tomentosi; *pedes intermedii* fulvescentes; *femora postica* fulva, *tibiæ* fuscæ; *tarsi* fusci basi pallidiores et subtùs aureo-pilosi; femora 4 postica, apicibus unispinosi. *Alæ* in medio nubilâ magnâ fuscâ, dimidium alæ ferè occupanti, nubilâ alterâ pallidiori basin versus internum alæ, apiceque maculâ magnâ fuscâ. *Abdomen* magnum, clavatum, subdepressum, obscurè castaneo-ferrugineum subnitidum, basi apiceque nigricantibus.

Species ad Sectionem 3am pertinentes.

Species 26. (vel 16a.). DIOPSIS ATRICAPILLUS. Guérin.

TAB. XXVIII. Fig. 7.

D. capite thoraceque nigris, pedunculis oculiferis thorace longioribus, fuscis; abdomine elongato vix clavato, fulvo; pedibus fulvis, femoribus anticis haud dilatatis; alis hyalinis immaculatis, apice vix vel tenuissimè infumato; femoribus 4 posticis ad apicem inermibus.

Long. corp. ferè 3 lin.

Habitat — ?

Diopsis atricapillus. Guérin *Icon. Règne An. Ins. pl.* 103. fig. 7. (descriptione nondum editâ).

Species (?) 27. DIOPSIS LONGICORNIS. Macquart.

D. "d'un fauve rougeâtre. Face à ligne transversale brune. Dilatations du front longues de $2\frac{1}{2}$ lignes. Yeux noirs. Thorax noir, écusson et pointes sous les ailes fauves. Premier segment de l'abdomen noirâtre. Cuisses antérieures non renflées. Ailes un peu brunâtres. ♂."

Long. corp. $3\frac{1}{2}$ lin.

Habitat in Guineâ et Senegalliâ.

Diopsis longicornis. Macquart *Hist. Nat. Ins. Dipt. vol. ii. p.* 486.

An verè distincta à *D. thoracica* Monogr. p. 306. ?

Species ad Sectionem 4am pertinentes.

Species 19. DIOPSIS DALMANNI. Wied.

TAB. XXVIII. Fig. 8.

Vide Monogr. nostr. p. 309.

Individuum hujus speciei elegantissimæ à Dom. Westermanno accepi et figuram ejus ad naturam delineavi, figurâ Wiedemanni vix sufficienti. Ab omnibus speciebus adhuc cognitis differt colore fulvo-ferrugineo. In specimine colorem flavum (gelbe) haud detegere possum. *Spinæ scutellares* deteritæ. *Corpus* et *pedes* magis pilosa quàm in congeneribus.

Spinæ centrales ordinariæ pedunculorum oculiferorum in setam longam producuntur. *Pedes* fulvo-ferruginosi; tibiis anticis et posticis obscurioribus.

Species 28. (vel 19a.). *DIOPSIS MIEGENII* (*Wiedemann MSS.*).

TAB. XXVIII. Fig. 9. ♂. Fig. 10. ♀.

D. nigra, pedunculis oculiferis, spinisque scutellaribus fuscis; abdomine ad basin fasciis duabus (posticâ interruptâ) argenteis; alis maculâ parvâ centrali fasciâque angustâ fuscescentibus.

Long. corp. lin. $2\frac{3}{4}$ — $3\frac{1}{4}$. Expans. alar. lin. $4\frac{1}{4}$ —5.

Habitat in Guineâ Africâ. In Mus. Regio Berolinensi et Wiedemanni. Etiam in Mus. nostr. ♂. ♀. Amicissimè communicavit Dom. Westermann.

Species elegans, *D. Sykesii* affinis, alis minùs fasciatis. *Caput* atrum, pedunculis oculiferis fuscis. *Thorax* niger, collari scutelloque concoloribus, spinis scutellaribus 2 et 2 metathoracicis fuscis. *Abdomen* nigrum, sericeum, basi atrum fasciâ parvâ subconoideâ basin versus maculisque duabus (in medio abdominis) lateralibus triangularibus sericeo-albis. *Alæ* hyalinæ maculâ parvâ centrali, fasciâque tenui transversâ pone medium, apiceque ipso tenui pallidè fulvo-fuscescentibus. *Femora antica* paullò incrassata, postica ad apicem haud spinifera.

Obs. Individua nonnulla (♀) abdomen habent clavatum et pedunculos oculiferos thorace longiores. In aliis verò (♂) abdomen est gracilius, ferè lineare, pedunculis oculiferis paullò brevioribus.

Species 29. (vel 19b.). *DIOPSIS NEESII*, *mihi*.

TAB. XXVIII. Fig. 11.

D. capite rufescenti; thorace obscurè nigricanti; scutello pallidiori; abdominis basi rufo, apiceque nigro; alis 3-fasciatis.

Long. corp. lin. $2\frac{3}{4}$. Expans. alar. lin. $4\frac{1}{2}$.

Habitat —? Japoniâ? In Mus. Academiæ Bonnensis.

Corpus pilis adpersis tectum. *Caput* fusco-rufescens, nitidum, ad os haud bispinosum. *Pedunculi oculiferi* ad apicem obscuriores, thorace longiores,

graciles. *Thorax* cum spinis scutellaribus (arcuatis) et metathoracicis, piceo-niger. *Scutellum* sordidè albido-fuscens. *Abdomen* dimidio basali fusco-rufescenti, parte posticâ obscuriori, vel piceo. *Alæ* hyalinæ, fasciâ tenui basin versus, 2dâ latissimâ centrali, et 3tiâ tenuiori externè curvatâ, apicem versus alarum fuscis. *Pedes* fusco-rufescentes, femoribus anticis paullò incrassatis, posticis ad apicem inermibus, pedibus posticis nisi ad basin femorum paullò obscurioribus.

Species 30. (vel 19c.). *DIOPSIS ORNATA*, mihi.

TAB. XXVIII. Fig. 12.

D. atra, capite abdomine pedibusque piceo-nigricantibus, oculis ferrugineis pedunculis oculiferis capite paullò longioribus, femoribus anticis dilatatis, posticis quatuor ad apicem spiniferis; abdomine dilatato clavato; alis 4-fasciatis, fasciâ 1mâ angustâ et ad partem 3am longitudinis alarum sitâ, 2dâ latissimâ medium alarum occupanti; 3tiâ angustâ et 4tâ apicali.

Long. corp. 3 lin.

Habitat — ?

Diopsis fasciata. *Guérin Icon. Règne An. Ins. pl.* 103. *fig.* 8. (descriptione nondum editâ).

I have been obliged to give a new specific name to this insect, in order that it may not be confounded with the *D. fasciata* of my monograph.

Species 31. (vel 19d.). *DIOPSIS CIRCULARIS*.

TAB. XXVIII. Fig. 13.

D. "Noir"; dilatations du front brunes. Genoux et tarses antérieurs et intermédiaires fauves. Ailes à grand tache discoïdale brune arrondie, entourée d'un cercle hyalin.

Long. corp. $3\frac{1}{2}$ lin.

Habitat in Indiâ orient.

Diopsis circularis. *Macquart Hist. Nat. Ins. Dipt. vol.* ii. p. 486.

With reference to the geographical range of this genus, the species above described prove, as already surmised, that it is confined to the Old World,

whilst the discovery of species at the Cape of Good Hope and Arabia will be deemed very interesting, considering that hitherto the western coast of Tropical Africa and the East Indies have alone supplied the species already described.

In conclusion, I must beg leave to express my thanks to Messrs. Wiedemann of Kiel, Klug of Berlin, and Goldfuss of Bonn, for the kindness and liberality with which they permitted me to make the most unbounded use of the celebrated cabinets over which, with so much honour to themselves and such advantage to science, they preside; and also to M. Westermann of Copenhagen, who has been so kind as to send me specimens of several species of this very rare genus.



Westwood, J. O. 1837. "Descriptions of some new Species Diopsis."
Transactions of the Linnean Society of London 17, 543–550.
<https://doi.org/10.1111/j.1095-8339.1834.tb00044.x>.

View This Item Online: <https://www.biodiversitylibrary.org/item/48968>

DOI: <https://doi.org/10.1111/j.1095-8339.1834.tb00044.x>

Permalink: <https://www.biodiversitylibrary.org/partpdf/28200>

Holding Institution

Natural History Museum Library, London

Sponsored by

Natural History Museum Library, London

Copyright & Reuse

Copyright Status: Public domain. The BHL considers that this work is no longer under copyright protection.

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.