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Smith

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LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

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PART I.

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PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1848.

LONDON :
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST. BISHOPSGATE.

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INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

This part of the Catalogue of Dipterous Insects has been prepared and the new species described, by Mr. FRANCIS WALKER, so well known for his attention to this order of Insects.

The remaining parts, containing the other families, are in hand, and will follow as soon as they can be completed.

JOHN EDWARD GRAY.

British Museum,
Nov. 19, 1848.

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LIST OF DIPTERA.

Sub-order I. PROBOSCIDEÆ.

Fam. I. TIPULARIÆ.

Section I. CULICIFORMES.

Div. I.—*Meig. Dipt. i. xxxiii.*

MEGARHINA, *Desvoidy.*

MEGARHINA ferox. *Culex ferox*, *Wied. Auss. Zweif. i. 1. Macq. Hist. Nat. Ins. Dipt. i. 33, 3.*

a. Georgia. From Mr. Abbot's collection.

This is not the *Culex ferox* of Humboldt (*Voyage de Humboldt et Bonpland, Relation Historique, ii. 340*); and if the latter species is a *Megarhina*, Wiedemann's *C. ferox* must receive a new name. Humboldt describes four other species in the above-mentioned work, and names them *C. cyanopennis*, *lineatus*, *chloropterus* and *maculatus*.

MEGARHINA hæmorrhoidalis, *Desvoidy, Essai sur les Culicides, Mém. Soc. d'Hist. Nat. de Paris, iii. 412. Macq. Dipt. Exot. i. 32. Culex hæmorrhoidalis, Fabr. Ent. Syst. iv. 401, 5. Syst. Antl. 8. Wied. Auss. Zweif. i. 2. Macq. Hist. Nat. Ins. Dipt. i. 33, 1.*

a. Para. Presented by Mrs. J. P. G. Smith.

SABETHES, *Desvoidy.*

SABETHES scintillans, n. s., mas. *Nigra, iridescens, argenteo micans, antennis subalbis, pedibus pilosis, alis subfuscis.*

Body black, hairy, with iridescent and silvery reflections: feelers about half the length of the body, dull white, adorned with whorls of long dark reddish-brown hairs, and clothed towards their tips with short down: palpi nearly as long as the body, brown; the

two last joints black and hairy: a large silvery spot on each side of the chest: mouth as long as the feelers: legs very thickly clothed with hairs, excepting the fore-legs and the shanks and feet of the middle legs, where the hairs are short and more thin: wings slightly tinged with brown, fringed; veins brown; poisers dull red, with black tips. Length of the body 3 lines; of the wings 6 lines.

a. Para. Presented by Mrs. J. P. G. Smith.

PSOROPHORA, *Desvoidy*.

PSOROPHORA ciliata, *Desv. Essai sur les Culicides, Mém. Soc. d'Hist. Nat. de Paris*, iii. 412.

a. Honduras. From Mr. Miller's collection.

CULEX, *Linn.*

* Feet with pale bands.

CULEX ciliatus, *Fabr. Ent. Syst.* iv. 401, 6. *Syst. Antl.* 10. *Coq. Ill. Icon. Ins.* t. 27, f. 7. *Wied. Dipt. Exot.* i. 7, 4. *Auss. Zweifel.* i. 3, 5. *Macq. Hist. Nat. Dipt.* i. 36, 15.

a. Georgia. From Mr. Abbot's collection.

CULEX argyropus, n. s., fem. *Niger, argenteo micans, pedibus argenteo maculatis et cinctis, alis subfuscis, marginibus anticis nigris.*

Body black: mouth full half the length of the body: feelers shorter than the mouth: sides of the chest with silvery spots: legs black, very long; a silvery spot on each thigh, near the tip, which is also silvery, as are those of the shanks and of the joints of the feet: wings slightly tinged with brown; their fore borders black; veins dark brown, thickly fringed with black hairs; poisers dark brown. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. New Zealand. Presented by Dr. A. Sinclair.

CULEX annulatus, *Fabr. Ent. Syst.* iv. 400, 2. *Syst. Antl.* 35, 4. *Vill. Ent.* iii. 565. *Gmel. ed. Syst. Nat.* v. 2287, 8. *Turt. Trans.* iii. 663. *Lam. Anim. sans Verteb.* iii. 448, 2. *Latr. Hist. Nat. Cr. et Ins.* xiv. 284, 3. *Gen. Crust.* iv. 246. *Meig. Dipt.* i. 4, 2, t. 1, f. 10. *Steph. Zool. Journ.* i. 452, 1. *Zett. Ins. Lapp.* 806, 1. *Macq. Hist. Nat. Dipt.* i. 35, 12. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 287, 1. *C. pipiens, Sam. Ent. Comp.* t. 9, f. 5. *C. affinis, Steph. Zool. Journ.* i. 452, 2.

a. England.

b. England. From Mr. Walker's collection.

c. Nice. From Dr. Leach's collection.

CULEX calopus? *Hoffmansegg, Meig. Dipt. i. 3, 1. Steph. Zool. Journ. i. 452, 3. C. Nicœensis*? *Risso, Leach, Zool. Journ. ii. 292, 2. C. guttatus, Curt. Brit. Ent. 537.*

a. England. From Mr. Walker's collection.

CULEX cantans, Hoffmansegg, Meig. Dipt. i. 6, 6, t. 1, f. 9. Steph. Zool. Journ. i. 453, 4. Zett. Ins. Lapp. i. 806, 3. Gim. Bull. Soc. Imp. Nat. Mosc. 1845, iii. 200, 6. C. fumipennis, var.? *Steph. Zool. Journ. i. 453, 5.*

a. England. From Mr. Walker's collection.

CULEX nemorosus, Meig. Dipt. i. 4, 3. Steph. Zool. Journ. i. 454, 9. Zett. Ins. Lapp. 806, 2. Macq. Hist. Nat. Dipt. i. 34, 5. Gim. Bull. Soc. Imp. Nat. Mosc. 1845, iii. 288, 2. C. reptans, Meig. Klass. Zweif. 1, Aufl. 3, 4. C. sylvaticus, Meig. Dipt. i. 6, 8. Steph. Zool. Journ. i. 454, 7. C. fasciatus, Meig. Klass. Zweif. i. Aufl. 4, 5.

a. England. From Mr. Walker's collection.

CULEX dorsalis, Meig. Dipt. vi. 242, 18.

a. England. From Mr. Walker's collection.

CULEX fasciatus, Fabr. Syst. Antl. 36, 13. Wied. Auss. Zweif. i. 8, 13.

a. Jamaica. From Mr. Gosse's collection.

CULEX viridifrons, n. s., fem. Fuscus, argenteo micans, capite viridi, abdomine fulvo apice fusco, pedibus fulvis, genibus tarsorumque annulis albis, alis limpidis.

Head and chest brown, clothed with yellow hairs, and adorned with silvery spangles: disk of the head green: chest with three gray stripes: abdomen pale tawny, brown towards the tip, and having a brown line along each side, where it is adorned with large white spots: mouth tawny: feelers and palpi brown: legs tawny; tips of thighs brown; knees white; feet with alternate rings of white, tawny and brown: wings colourless; veins brown, much fringed; poisers yellow, with brown knobs. Length of the body 2 lines; of the wings $3\frac{1}{2}$ lines.

a. ———? Presented by Captain Lord Byron.

CULEX tæniorhynchus, Wied. Dipt. Exot. i. 43, 1. Auss. Zweif. i. 8, 13. C. damnosus, Say, Journ. Acad. Phil. iii. 1822, 11, 3.

a. Florida. Presented by E. Doubleday, Esq.

b. Honduras. From Mr. Miller's collection.

CULEX excitans, n. s., fem. *Flavo-fuscus, argenteo micans, thorace albo hirto, abdomine albo fasciato, pedibus nigro-fuscis, femoribus flavis, genubus tarsorumque articulis 1^o et 2^o basi albis, alis limpidis.*

Body pale yellowish brown, adorned with silvery lustre on each side: feelers and mouth dark brown; tip of the latter black: chest clothed with white hairs: abdomen with a band of white hairs on the fore-border of each segment: legs dark brown; base of the first and of the second joints of the feet white; knees also white; thighs yellow, with brown tips: wings colourless; veins brown; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. Georgia. From Mr. Abbot's collection.

CULEX stimulans, n. s., fem. *Fusco-rufus, capite thoraceque flavo hirtis, abdominis segmentis flavo-cinctis, pedibus fuscis, tarsis nigris, flavo-cinctis, alis limpidis.*

Body brownish red: head and chest clothed with yellow hairs: mouth and feelers dark brown: each segment of the abdomen with a band of yellow hairs on the fore border, and with a few longer yellow hairs on the hind border: thighs pale brown, with black tips; shanks darker brown; feet black, base of each joint pale yellow: wings colourless; veins tawny; poisers pale yellow, with tawny tips. Length of the body $2\frac{1}{4}$ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

CULEX formosus, n. s., fem.

Deep rich brown: head much adorned with silvery spangles, as is also the chest, where they form four stripes, of which the inner pair are straight and narrow, the outer pair broad and curved: abdomen also adorned with silvery spangles: mouth black: feelers brown: eyes dark red: legs brown, beset here and there with silvery marks; knees and rings of feet silvery: wings somewhat gray; veins brown, very thickly feathered; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

CULEX inexorabilis, n. s., fem. *Nigro-fuscus, argenteo micans, antennis pedibusque nigris, tarsorum articulis albo cinctis, alis subfuscis.*

Body dark brown, adorned with silvery lustre, which especially prevails beneath and on the sides of the body: mouth and feelers black: abdomen wanting: legs black; each joint of the feet with a white band at the base: wings slightly brown; veins dark brown;

poisers yellow, with brown knobs. Length of the body $1\frac{1}{2}$ line; of the wings 3 lines.

a. West Africa. From Mr. Fraser's collection.

CULEX taniatus, *Wied. Auss. Zweif.* i. 10, 18.

a. Honduras. From Mr. Miller's collection.

CULEX titillans, n. s., fem. *Fuscus, abdominis segmentis utrinque albo maculatis, antennarum articulis albo cinctis, rostro flavo cincto, femoribus basi genibusque pallidis, tarsis albo cinctis, alis subfuscis.*

Body dark brown: feelers black; each joint white at the base: mouth black, with a dull yellow band across it: abdomen with a white spot on each side of the fore border of every segment: legs brown; thighs paler towards the base; knees yellow; feet with a white band at the base of each joint: wings slightly brown; veins brown; poisers yellow, with brown knobs. Length of the body 2 lines; of the wings 4 lines.

a. Brazil. Presented by Mrs. J. P. G. Smith.

CULEX vexans, *Meig. Dipt.* vi. 241, 16. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 289, 4.

a. France?

** *Feet without pale bands.*

CULEX impatiens, n. s., mas. *Nigro-fuscus, fusco hirtus, thorace trivittato, vitta intermedia apice furcata, abdominis segmentis cano cinctis, pedibus fuscis, tarsis nigris, alis limpidis.*

Body dark brown, clothed with pale brown hairs: feelers and mouth black: chest with three pale brown stripes, the middle one slender and forked towards the tip: abdomen with a hoary band at the fore border of each segment; its sides clothed with long hairs: thighs brown, with black tips; shanks dark brown; feet black: wings colourless; veins brown; poisers very pale brown.

CULEX impatiens, fem. *Rufus, flavo hirtus, thorace fusco trivittato, abdomine fusco, segmentis flavo cinctis, pedibus pallidè fuscis, femoribus tibiisque apice flavis, tarsis nigro-fuscis, alis limpidis.*

Body red, clothed with yellow hairs: head thickly covered: chest with three brown stripes: abdomen brown, with a yellow band at the fore border of each segment: legs pale brown; tips of the thighs and of the shanks yellow; feet dark brown: wings colour-

less; veins brown; poisers yellow, with brown tips. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CULEX punctor, Kirby, *North Amer. Zool. Ins.* 309, 1.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CULEX impiger, n. s., fem. *Niger, capite thoraceque flavo hirtis, thoracis lateribus albo hirtis, abdominis segmentis supra albo fasciatis subtus albis aut flavis, pedibus obscure flavis, femoribus tibisque apice tarsisque nigris, alis limpidis.*

Body black: head and chest clothed with yellow hairs: sides of the chest clothed with white hairs: abdomen white or yellow beneath, and having on its back a band of white hairs at the fore border of each segment: legs very dingy yellow; feet, and tips of the thighs and of the shanks, black: wings colourless; veins brown; poisers yellow, with brown knobs. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CULEX ——— C. pipiens, Zett. *Ins. Lapp.* 807, 4. *Dahl. Scand. Ins. Lund.* 1833, 7.

a. Alten, Finmark. Presented by F. Walker, Esq.

Note.—If, as Mr. Haliday has supposed, this species is the *Culex pipiens* of Linneus, that name, by which it is described in Zetterstedt's work, must be transferred to it, and the *C. pipiens* of more southern entomologists must receive a new denomination.

CULEX detritus, Haliday, *Ent. Mag.* i. 151. *Ann. Nat. Hist.* ii. 183.

a. England.

CULEX iracundus, n. s., fem. *Niger, capite thoraceque aureo hirtis, abdomine supra flavo, subtus albo cincto, pedibus purpureo-fuscis, femoribus flavis, alis limpidis.*

Body black: head and chest clothed with golden hairs: abdomen with a yellow band at the fore border of each segment; these bands are most narrow in the middle, and they are white on the under-side: legs purplish brown; thighs dull pale yellow, with brown tips: wings colourless; veins pale brown; poisers pale yellow, with brown knobs. Length of the body 2 lines; of the wings 4 lines.

a. New Zealand. Presented by Dr. A. Sinclair.

CULEX pungens, *Wied. Auss. Zweif.* i. 9, 16.

a. Jamaica. From Mr. Gosse's collection.

CULEX implacabilis, n. s., fem. *Niger, capite thorace abdominisque fasciis flavo hirtis, pedibus flavis, femoribus apice nigris, genibus albis, tarsi et metatibiis fuscis, alis limpidis.*

Body black: head and chest thickly clothed with yellow hairs: abdomen with a band of yellow hairs at the fore border of each segment: legs dull yellow; tips of the thighs black; knees dull white; feet and hind shanks dark brown: wings colourless; veins brown; poisers dull white, with brown tips. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CULEX provocans, n. s., mas. *Rufo-fuscus, capite thorace abdominisque fasciis albo hirtis, antennis fuscis, pedibus obscure rufis, alis limpidis.*

Body reddish brown, clothed with white hairs, which are most thick on the head and on the chest: feelers and mouth brown: abdomen with a broad white band of hairs at the base of each segment: legs dull red: wings colourless; veins pale brown; poisers yellow, with brown knobs. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. North America,

b. Nova Scotia. From Lieut. Redman's collection.

CULEX provocans? fem. *Rufo-fuscus, capite thorace abdominisque fasciis flavo hirtis, antennis pedibusque nigro-fuscis, femoribus flavis, alis limpidis.*

Body reddish brown: head and chest clothed with yellow hairs: feelers and mouth very dark brown: abdomen with a band of yellow hairs at the fore border of each segment: legs dark brown; thighs yellow, with brown tips: wings colourless; veins brown. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

CULEX ornatus, *Hoffmansegg, Meig. Dipt.* i. 5. 4. *Steph. Zool. Journ.* i. 454, 6. *Macq. Hist. Nat. Dipt.* i. 35, 9. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 288, 3. *C. equinus, Meig. Klass. Zweif.* i. *Aufl.* 3, 4.

a. England. From Mr. Walker's collection.

CULEX maculatus, *Meig. Dipt.* i. 6, 7. *Steph. Zool. Journ.* i. 454, 8.

a. England. From Mr. Walker's collection.

b. Haparanda. From Mr. Walker's collection.

CULEX lateralis, *Megerle, Meig. Dipt.* i. 5, 4. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 290, 5. *C. reptans*, *Meig. Klass. Zweif.* i. *Aufl.* 3, 4.

a. England. From Mr. Walker's collection.

CULEX sticticus, *Meig. Dipt.* vii. i. 20.

a. England. From Mr. Walker's collection.

CULEX quadratimaculatus, *Macq. Hist. Nat. Dipt.* i. 34, 7. *C. quadrimaculatus*, *Meig. Dipt.* vii. 2, 21. *C. pungens*, *Desvoidy, Essai sur les Culicides*. *C. musicus?* *Risso, Leach, Zool. Journ.* ii. 293, 3.

a. Nice. From Dr. Leach's collection.

CULEX ciliaris, *Linn. Syst. Nat.* ii. 1002, 2. *C. rufus?* *Hoffmansegg, Meig. Dipt.* i. 7, 9. *Steph. Zool. Journ.* i. 456, 16. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 290, 7. *Zett. Ins. Lapp.* 807, 5. *C. meridionalis?* *Leach, Zool. Journ.* ii. 292, 1.

a. England. From Mr. Walker's collection.

b. Nice. From Dr. Leach's collection.

CULEX pipiens, *Linn. Syst. Nat.* i. ii. 1002. *Faun. Suec.* 1890. *Gmel. ed. Syst. Nat.* v. 2286, 1. *Deg. Ins.* vi. 127, t. 27. *Réaum. Ins.* iv. t. 43, 44. *Geoff. Ins.* ii. 579, t. 19, fig. 4. *Turt. Trans.* iii. 663. *Vill. Ent.* iii. 562. *Schell. Mouch.* t. 41. *Fabr. Sp. Ins.* ii. 469, 1. *Ent. Syst.* iv. 400, 1. *Syst. Antl.* 33, 1. *Schrank. Ins. Austr.* 980. *Faun. Boic.* iii. 2565. *Stew. Elem.* ii. 268. *Berk. Syn.* i. 166. *Shaw, Gen. Zool.* vi. 2, 387. *Latr. Hist. Nat. Cr. et Ins.* xiv. 284, 1. *Gen. Crust.* iv. 246. *Cons. Gén.* 442. *Lam. Anim. sans Verteb.* iii. 447, 1. *Latr. Regn. Anim.* 2de edit. v. 439. *Meig. Dipt.* i. 7, 10. *Steph. Zool. Journ.* i. 455, 11. *Wood, Ill. Lin. Gen. Ins.* ii. 97, pl. 67. *Sturk, Elem. Nat. Hist.* ii. 376. *Zett. Ins. Lapp.* 807, 4. *Macq. Hist. Nat. Dipt.* i. 34, 4, pl. 1, fig. 1, bis 2. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 291, 8.

a. England.

CULEX acer, n. s., fem. *Flavus, thorace fusco trivittato, pedibus pallidè flavis, colore obscuriori variis, alis limpidis.*

Body dull pale yellow : mouth dull yellow : chest with three pale brown stripes : legs pale yellow, shaded with darker colour at intervals : wings colourless ; veins dull yellow. Length of the body 2 lines ; of the wings 4 lines.

a. New Zealand. A mutilated specimen.

CULEX fuscus, *Wied. Auss. Zweif.* i. 6, 9.

a. North Bengal. From Miss Campbell's collection.

b. Moulmein, E. Indies. From Archdeacon Clerk's collection.

CULEX vagans, *Wied. Auss. Zweif.* i. 545, 3.

a. Foo-chou-foo, China. Presented by G. T. Lay, Esq.

CULEX longiareolatus, *Macq., Webb et Berthelot, Hist. Nat. des Canaries*, 99, 2.

a. Madeira. Presented by T. V. Wollaston, Esq.

ANOPHELES, *Meigen*.

ANOPHELES bifurcatus, *Meig. Dipt.* i. 11, 1. *Steph. Zool. Journ.* i. 456, 1. *Zett. Ins. Lapp.* 807, 1. *Macq. Hist. Nat. Dipt.* i. 32, 1. *Curt. Brit. Ent.* 210, 1. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 294, 1. *Guer. Icon. Regn. Anim. pl.* 92, fig. 2. *Culex bifurcatus*, *Linn. Syst. Nat.* i. ii. 1002. *Faun. Suec.* 1891. *Gmel. Syst. Nat.* v. 2887, 3. *Vill. Ent.* iii. 563. *Stew. Elem.* ii. 269. *Berk. Syn.* i. 166. *Schrank. Ins. Austr.* 982. *Faun. Boic.* iii. 2566. *Fabr. Spec. Ins.* ii. 469, 2. *C. trifurcatus*, *Fabr. Ent. Syst.* iv. 401, 3. *Syst. Antl.* 35, 5. *Turt. Trans.* iii. 664. *C. claviger*, *Fabr. Syst. Antl.* 35, 6. *Meig. Klass. Zweif.* i. 4, 7, t. 1, f. 8. *Fischer, Mem. Soc. Imp. Nat. Mosc.* iv. 129, t. 1. *Chaoborus antisepticus* (larva), *Lichtenstein, Wied. Arch. Zool.* i. 168.

a. England. From Mr. Walker's collection.

b. England. From Mr. Walker's collection.

ANOPHELES maculipennis, *Hoffmansegg, Meig. Dipt.* i. 11, 2, t. 1, f. 17, 9. *Steph. Zool. Journ.* i. 457, 2. *Zett. Ins. Lapp.* i. 808, 2. *Macq. Hist. Nat. Dipt.* i. 32, 2. *Curt. Brit. Ent.* 210, 2. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1845, iii. 294, 2. *Culex bifurcatus*, *Meig. Klass. Zweif.* i. *Aufl.* 5, 8.

a. England. From Mr. Walker's collection.

b. Upsal. From Mr. Walker's collection.

ÆDES, *Hoffmansegg*.

ÆDES cinereus, *Hoffm. Meig. Dipt.* i. 13, 1, vi. 243, t. 65, f. 1—3. *Macq. Hist. Nat. Dipt.* i. 37, 1.

a. France.