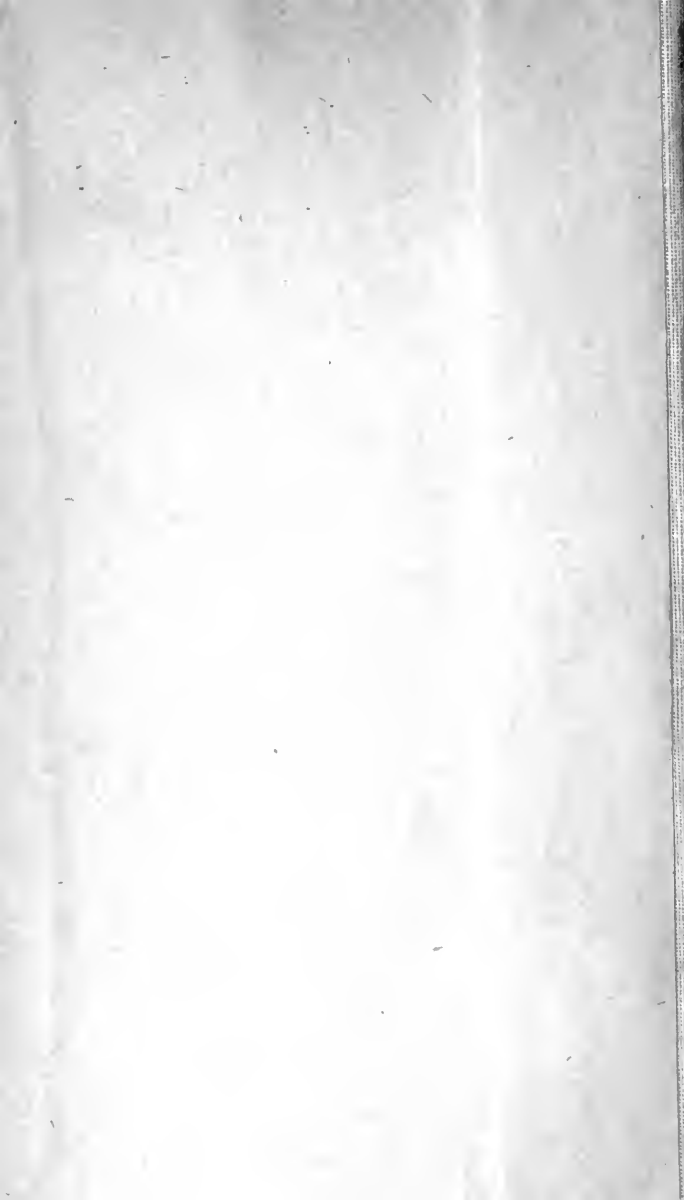




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LIST
OF THE
SPECIMENS
OF
DIPTEROUS INSECTS
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

67, France 1855

PART VII.

SUPPLEMENT III.

A. — B.

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INTRODUCTION.

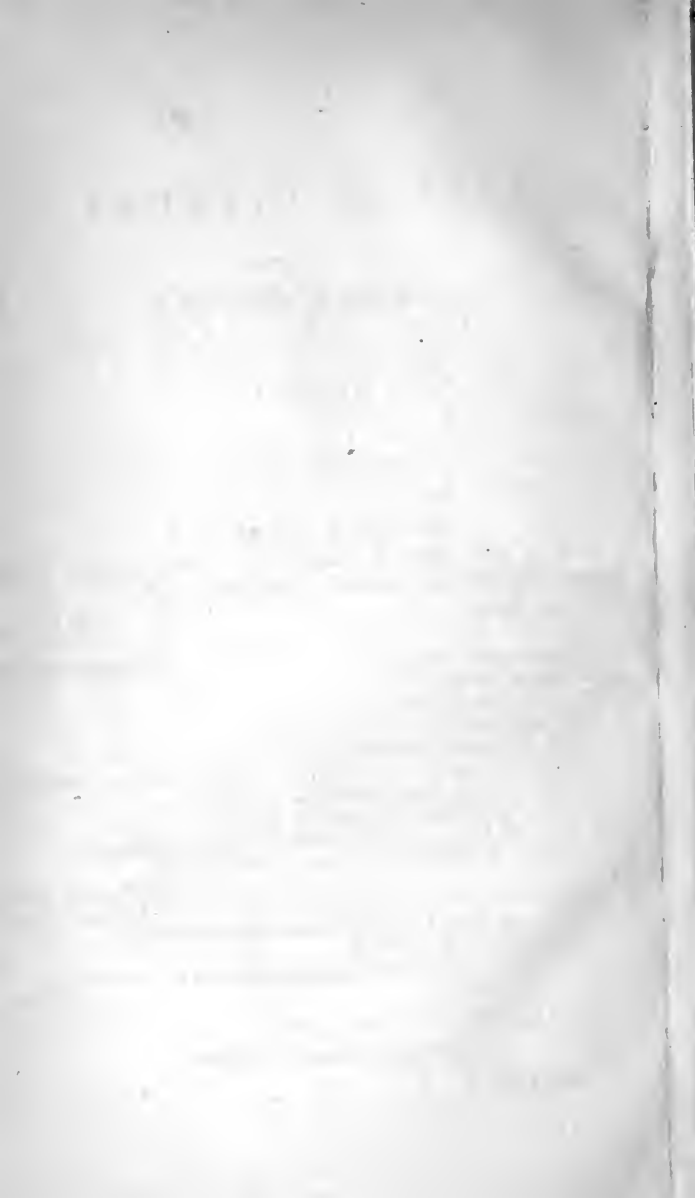
THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has 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 synonyms, and the description, if it appeared to have been before undescribed.

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

This part contains a revision of the rest of the family *Asilidæ*, with a description of the species added since the former parts were printed.

JOHN EDWARD GRAY.

British Museum,
March 19th, 1855.



LIST OF DIPTERA.

SECOND SERIES.

PART III.

Sub-family 3. LAPHRITES.

Ocelli tres. Antennæ 3-articulatæ; arista sæpissime nulla. Alarum vena radialis subcostali ad apicem connexa.

Laphritæ, *Macq.*

A. Caput mystax nullo. - - - 1. Megapoda, *Macq.*

B. Caput mystacinum.

A. Oviductus brevis.

a. Antennæ capite medio insertæ.

a. Antennarum articulus 3us nudus.

i. Corpus non punctatum. Alarum venula discalis et vena externo-media 3a disjunctæ.*

1. Abdomen basi non contractum.

* Femora postica anterioribus valde crassiora.

† Palpi lati, ovati, acuminati.

2. Hoplistomera, *Macq.*

†† Palpi gracillimi. - - 3. Lampria, *Macq.*

** Femora postica anterioribus non crassiora.

† Arista nulla.

‡ Antennarum articulus 3us 1o paullo longior.

6. Nusa, *Walk*

* In Laphriâ scapulari conjunctæ.



- ‡‡ Antennarum articulus 3us 1o multo longior.
 § Fœminæ abdomen apice spinosum. 5. Scandon, *Walk.*
 §§ Fœminæ abdomen apice non spinosum.
 * Antennæ non capitatæ. - - 4. Laphria, *Meig.*
 ** Antennæ capitatæ. - - 7. Ampyx, *Walk.*
 †† Arista distincta. - 8. Laphystia, *Loew.*
2. Abdomen petiolatum.
 * Antennæ valde elongatæ. 9. Rhopalogaster, *Macq.*
 ** Antennæ mediocriter longæ. 10. Michotamia, *Macq.*
- ii. Corpus sæpissime punctatum.
 † Alarum venula discalis et vena externo-media 3a plus minusve conjunctæ. 11. Atomosia, *Macq.*
 †† Alarum venula discalis et vena externo-media 3a disjunctæ. - - - 12. Cormansis, *Walk.*
 b. Antennarum articulus 3us villosus. 13. Laxenecera, *Macq.*
 B. Antennæ capite infimo insertæ. 14. Tapinocera, *Macq.*
 B. Oviductus elongatus. Venæ cubitalis ramus anticus ramulum rejiciens. - - - - 15. Phoneus, *Macq.*

Genus 1. MEGAPODA.

Caput mystace nullo. Epistoma bisetosum. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ; articulus 3us obtusus. Pedes longi; onychia conspicua. Alæ areola mediastinali clausa.

Laphria, p., *Fabr.*; *Wied.*

Dasyogon, p., *Perty.*

Megapoda, *Macq. Hist. Nat. Dipt. i. 288.*

Wings long, narrow. Fore fork of the cubital vein undulating; hind fork and first externo-medial slightly curved hindward, parallel to each other; second externo-medial nearly straight; third forming a very oblique angle with the præbrachial, joining the fourth at some distance from the border. Subanal united to the anal very near the border.

Mexico.

1. MEGAPODA CYANEIVENTRIS.

Fœm. *Nigra; antennæ testacæ; abdomen cyaneum; pedes fuscii, tarsi postici crassis hirtis; alæ subfuscæ.*

Megapoda cyaneiventris, *Macq. Dipt. Exot. Suppl. i. 71, 3, pl. 7, f. 12.*

Mexico.

South America.

2. MEGAPODA LABIATA.

Nigra, nudiuscula; labrum flavum; abdomen chalybeum; tarsi antici flavi; alæ fusæ.

Laphria labiata, Fabr.

3. MEGAPODA CRASSITARSIS.

Mas. Testacea; pedes elongati, tarsi postici crassis hirtis; alæ flavidæ.

Megapoda crassitarsis, Macq. Dipt. Exot. Suppl. 1, 70, 2, pl. 7, f. 11.

Brazil.

Genus 2. HOPLISTOMERA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Palpi lati, ovati, acuminati. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus multo crassiora. Alarum vena cubitalis ramo antico simplici.

Hoplistomera, Macq. Dipt. Exot. i. 59.

Laphria, p., Fabr.; Wied.

Body pubescent, with very few hairs and bristles. Face flat. Mystax with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Hind femora very thick, armed beneath with teeth. Radial vein curved abruptly to the subcostal. Fore fork of the cubital much curved, its curve nearly parallel to that of the radial; hind fork curved hindward, joining the first externo-medial at a short distance from the border; second externo-medial straight; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

1. HOPLISTOMERA SERRIPES.

Nigra, fulvo hirta; femora postica incrassata serrata; alæ fusco bifasciatæ.

Laphria serripes, Fabr.

Guinea. Gambia. Senegal.

Genus 3. LAMPRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Palpi tenuissimi. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus multo crassiora. Alarum vena cubitalis ramo antico simplicii.

Lampria, *Macq. Dipt. Exot.* i. 2, 60.

Laphria, p., *Fabr.*; *Wied.*

Body metallic, almost bare. Face convex towards the epistoma. Mystax with a few bristles. Proboscis long, straight. Third joint of the antennæ nearly linear, slightly tapering at each end, much longer than the first and second together. Thorax with gilded tomentum. Fore fork of the cubital vein curved, nearly angular towards its base; hind fork nearly straight, slightly inclined towards the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial and joining the fourth far from the border. Subanal joining the anal near the border.

Mexico.

1. LAMPRIA MEXICANA.

Mas. *Viridis, nitens; mystax niger; abdomen basi orichalceum; alæ nigre.*

Lampria mexicana, *Macq. Dipt. Exot. Suppl.* 2, 37, 3.

- | | | | | | | |
|---------------------|---|---|---|---|---|---------------------------|
| A. Abdomen auratum. | - | - | - | - | - | clavipes, <i>Fabr.</i> |
| B. Abdomen viride. | - | - | - | - | - | Macquartii, <i>Perty.</i> |
| C. Abdomen rufum. | - | - | - | - | - | Tolmides, <i>Walk.</i> |

2. LAMPRIA CLAVIPES.

Aurata; thorax apice niger; pedes ænei, femoribus posticis clavatis dentatis.

Laphria clavipes, *Fabr.*

a. Tapayos, Brazil. From Mr. Bates' collection.

3. LAMPRIA MACQUARTII.

Nigra; oculi albo semicincti; thorax aureo-cupreus; abdominis dorsum viride; femora postica subtus dentata; alæ nigro-fusæ.

Laphria Macquartii, *Perty*.

4. LAMPRIA TOLMIDES.

Laphria Tolmides, *Cat. of Diptera, Pt. 2, 377.*

Asia.

5. LAMPRIA ÆNEA.

Chalybea; mystax auratus; abdomen incisuris utrinque albis; alæ nigro-fusæ.

Laphria ænea, *Fabr. Syst. Antl.* 161, 23. *Wied. Dipt. Exot.* i. 238, 11; *Auss. Zweifl.* i. 515, 28.

Laphria colorata, *Boisd. Voy. de l'Astrolabe, Atlas, Ent.* pl. 12, f. 11.

Lampria ænea, *Macq. Dipt. Exot.* i. 2, 61, 1, pl. 6, f. 1.

Java. Amboina. Solomon's Isles. New Zealand.

a, b. Java. From the East India Company's collection.

6. LAMPRIA AURIBARBIS.

Mas. Violacea; mystax barbaque aurata; pedes flavo pilosi; alæ antice hyaline, postice fusæ.

Lampria auribarbis, *Macq. Dipt. Exot. Suppl.* 3, 22, 4.

Java.

Genus 4. LAPHRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus non crassiora. Alarum vena cubitalis furca antica simplici.

Laphria, *Fabr. Syst. Antl.; Latr.; Fall.; Wied.; Meig.; Curt; Macq.; Zell.; Loew; Zett.*

Asilus p., *Linn.; Geoffr.; Deg.; Fabr. Ent. Syst.; Schr.; Gmel.*
Laphria et Chærades, *Walk.*

Europe.

- A. Alarum vena radialis et venæ cubitalis furca antica venula transversa conjunctæ. - - - maroccana, *Fabr.*
- B. Alarum vena radialis et venæ cubitalis furca antica non conjunctæ. Venæ cubitalis furca postica et vena externo-media la disjuncta.
- A. Pedes nigri.
- A. Thoracis abdominisque latera flavida. Tibiæ albo hirtæ.
pallidipennis, *Brullé.*
- B. Caput et abdomen aureo pilosa. - - - aurea, *Fabr.*
- C. Abdominis segmenta 4um et 5um aureo tomentosa.
dizonias, *Loew.*
- D. Abdominis segmenta tria antica nigro pilosa, tria postica flavido tomentosa. - - - - gibbosa, *Linn.*
- E. Nigro pilosa; thorax postice et scutellum flavo pilosa.
ephippium, *Fabr.*
- F. Flavo hirta; pilis nigris admixtis; maculæ humerales nullæ.
flava, *Linn.*
- G. Nigra; abdominis dorsum fulvo tomentosum.
- a. Alæ fuscæ.
- i. *Mystax flavescens.* - - - ignea, *Meig.*
- ii. *Mystax niger.* - - - limbata, *Macq.*
- b. Alæ fulvescentes. - - - - gilva, *Linn.*
- H. Nigra; thorax postice et abdomen flavo villosa.
flavescens, *Macq.*
- I. Nigra; abdominis segmenta 3o ad 6um utrinque fulva.
dimidiata, *Loew.*
- J. Nigra; abdominis dorsum postice fulvo maculatum.
erythrura, *Loew.*
- K. Aureo pilosa; maculæ humerales albicantes.
proboscidea, *Loew.*
- L. Nigra; maculæ humerales nigricantes. marginata, *Linn.*
- M. Flavo pilosa; maculæ humerales nullæ. auribarbis, *Meig.*
- N. Fulvo hirsuta; femora postica externe nigro villosa.
vulpina, *Meg.*
- O. Fulvo villosa; abdomen fasciis nigris. - - - lutea, *Meg.*
- P. Abdomen fulvo hirsutum, basi album. - - - fulva, *Meig.*
- Q. Abdominis incisuræ albo villosæ. - - - cincta, *Fabr.*
- R. Abdomen incisuris fulvis, basi albidum.
- a. *Mystax niger.* - - - - fimbriata, *Meig.*
- b. *Mystax flavicans.* - - - - inserta, *Loew.*
- S. Abdomen fulvo hirtum, lateribus nigro maculatis.
albibarbis, *Meig.*
- T. Nigra; femora incrassata.
- a. Facies alba. - - - - femorata, *Meig.*

3. LAPHRIA AUREA.

Obscure rufo-picea ; caput et abdomen aureo pilosa.

Asilus aurea, *Fabr. Ent. Syst.* iv. 378, 11 ; *Meig. Klass. Zweifl.* i. 166, c.

Laphria aurea, *Fabr. Syst. Antl.* 158, 9.

South France. Greece. Asia Minor.

4. LAPHRIA DIZONIAS.

Fœm. Obscure rufo-picea ; facies abdominisque segmenta 4um et 5um aureo tomentosa ; alæ antice fulvescentes, postice cinerascetes.

Laphria dizonias, *Loew, Linn. Ent.* ii. 542, 3.

Telmessus, Sicily.

5. LAPHRIA GIBBOSA.

Mas et Fœm. Nigra ; abdominis segmenta tria anteriora nigro pilosa, tria posteriora flavido tomentosa.

Asilus gibbosus, *Linn.*

North and Central Europe. South Russia.

6. LAPHRIA EPHIPIUM.

Mas et Fœm. Nigra, nigro pilosa ; thorax postice et scutellum flavido pilosa ; alæ ad costam fuscescentes ; halteres fuscii.

Laphria ephippium, *Fabr.*

North and Central Europe.

7. LAPHRIA FLAVA.

Mas et Fœm. Nigra, flavo hirta, pilis nigris in capite, thoracis parte anteriore, femoribusque admixtis ; maculæ humerales nullæ ; alæ venis infuscatis ; halteres flavi.

Asilus flavus, *Linn.*

North and Central Europe.

8. LAPHRIA IGNEA.

Nigra ; mystax flavescens, setis nonnullis nigris ; abdominis dorsum breviter fulvo tomentosum ; alæ fuscescentes ; halteres fulvi.

Laphria ignea, *Meig.*

North and Central Europe.

9. LAPHRIA LIMBATA.

Mas. *Nigra; facies albido tomentosa; mystax totus niger; thorax cinereo hirtus; abdomen læte fulvo hirtum, marginibus nigris; alæ fuscæ, basi limpide.*

Laphria limbata, *Macq. Hist. Nat. Dipt. i. 287, 31.*

France.

10. LAPHRIA GILVA.

Mas et Fœm. *Nigra; mystax niger, pilis nonnullis albis; abdominis dorsum breviter fulvo tomentosum; alæ fulvescentes; halteres fulvi.*

Asilus gilvus, *Linn.*

North and Central Europe.

11. LAPHRIA FLAVESCENS.

Mas. *Nigra; mystax barbaque flava; thorax postice abdomineque flavo villosa.*

Laphria flavescens, *Macq. Dipt. Exot. i. 2, 69, 16.*

Pyrenees.

12. LAPHRIA DIMIDIATA.

Fœm. *Nigra; abdominis segmenta 3o ad 6um utrinque fulva; alæ hyalinæ, apices versus subcinereæ.*

Laphria dimidiata, *Loew, Linn. Ent. ii. 550, 9.*

Mermeriza, Asia Minor.

13. LAPHRIA ERYTHRURA.

Fœm. *Nigra; abdominis dorsum postice fulvo maculatum, sed parce et breviter nigro pilosum.*

Laphria erythrura, *Loew, Linn. Ent. ii. 552, 10.*

Mermeriza, Asia Minor.

14. LAPHRIA PROBOSCIDEA.

Fœm. *Nigra, aureo pilosa; mystax setis nigris flavo admixtis; maculæ humerales albicantes; alæ cinereo fuscæ.*

Laphria proboscidea, *Loew, Linn. Ent. ii. 554, 11.*

Germany. Italy.

15. LAPHRIA MARGINATA.

Mas et Fœm. *Nigra; mystax concolor; maculæ humerales albicantes.*

Asilus marginatus, Linn.

Laphria marginata, Guér. Icon. Règne Anim. Ins. pl. 94, f. 2.

North and Central Europe.

16. LAPHRIA AURIBARBIS.

Mas et Fœm. *Nigra, flavo pilosa, maculis humeralibus nullis; antennarum articulus 2us partem 4am 1i æquans; alæ antice fuscæ; halteres fulvi.*

Laphria auribarbis, Meig. Zweifl. ii. 292, 8. Macq. Hist. Nat. Nat. Dipt. i. 283, 12.

Central and Southern Europe, and Asia Minor.

17. LAPHRIA VULPINA.

Fulvo hirsuta; femora postica externe nigro villosa; alæ fuscæ; halteres fuscii.

Laphria vulpina, Megerle; Meig. Zweifl. ii. 289, 4.

Austria.

18. LAPHRIA LUTEA.

Fulvo villosa; abdomen fasciis nigris; alæ strigis fuscescentibus; halteres fuscii.

Laphria lutea, Megerle; Meig. Zweifl. ii. 290, 6.

Austria.

19. LAPHRIA FULVA.

Nigra; facies alba; mystax fulvo-nigroque varius; abdomen fulvo hirsutum, basi album; alæ fuscæ; halteres fulvi.

Laphria fulva, Meig. Zweifl. ii. 292, 9, pl. 20, f. 21. Macq. Hist. Nat. Dipt. i. 283, 13.

France. Germany.

20. LAPHRIA CINCTA.

Nigra; mystax pallide flavus; abdominis incisuræ albo villosæ; alæ nigricantes, basi hyalinæ; halteres flavi.

Asilus cinctus, *Fabr. Sp. Ins.* ii. 465, 29; *Ent. Syst.* iv. 387, 51.
Gmel. ed. Syst. Nat. i. 5, 2899, 36.

Asilus fuliginosus, *Panz. Faun. Ins. Germ.* liv. 21. *Meig. Klass. Zweifl.* i. 272, x.

Laphria cincta, *Fabr. Syst. Antl.* 163, 31. *Meig. Zweifl.* ii. 299, 24. *Macq. Hist. Nat. Dipt.* i. 284, 16.

Austria.

21. LAPHRIA FIMBRIATA.

Mas. Atra; facies alba; mystax niger; humeri plurisque maculis tomentosis signata; abdominis incisuræ ad latera aureo tomentosæ; segmentum lumbi cum scutello et extrema thoracis parte albo pilosum.

Laphria fimbriata, *Meig. Zweifl.* ii. 293, 10. *Macq. Hist. Nat. Dipt.* i. 287, 32. *Loew, Linn. Ent.* v. 412.

France. Hungary. Bannat.

22. LAPHRIA URSULA.

Atra; facies et mystax flavicantia; thorax antice nigro, postice flavo, pilosus; pleuræ immaculatæ; abdominis incisuræ ad latera albido pilosa.

Laphria ursula, *Loew, Linn. Ent.* v. 414.

Russia.

23. LAPHRIA ALBIBARBIS.

Nigra; mystax albus; abdomen fulvo hirtum, lateribus nigro maculatis; alæ fuscescentes; halteres nigri.

Laphria albibarbis, *Meig. Zweifl.* ii. 295, 14, pl. 20, f. 22, 23.

Germany?

24. LAPHRIA FEMORATA.

Nigra; facies alba; mystax niger; femora postica incrassata; alæ fuscescentes; halteres flavi.

Laphria femorata, *Meig. Zweifl.* ii. 297, 18. *Macq. Hist. Nat. Dipt.* i. 283, 15, 25.

Germany?

25. LAPHRIA PODAGRICA.

Nigra; facies flava; mystax niger; femora postica incrassata; alæ fuscescentes; halteres flavi.

Laphria podagrica, Meig. *Zweifl.* ii. 297, 19.

D. femorata, var. ?

Germany ?

26. LAPHRIA CHRYSOCEPHALA.

Nigra, nitida; facies aurea; mystax niger; abdominis incisuræ albo villosæ; alæ apices versus nigricantes; halteres flavi.

Laphria chrysocephala, Meig. *Zweifl.* ii. 299, 23.

Chamounix.

27. LAPHRIA ANTHRAX.

Nigra, nitida; scutellum cinereo villosum; alæ venis infuscatis; halteres fuscæ.

Laphria Anthrax, Meig. *Zweifl.* ii. 300, 25.

France ?

28. LAPHRIA UNGULATA.

Aterrîma; facies et mystax alba; scutellum canum; alæ fusco-flavæ.

Laphria unguata, Pallas; *Wied. Zool. Mag.* i. 2, 39. Meig. *Zweifl.* ii. 304, 32.

South Russia.

29. LAPHRIA DIOCTRIÆFORMIS.

Nigra, nitida; facies alba; mystax niger; abdominis segmenta tria antica cano villosa; alæ fuscæ, basi subhyalinæ; halteres fulvi.

Laphria dioctriæformis, Megerle; Meig. *Zweifl.* ii. 300, 26.

Austria.

30. LAPHRIA NITIDULA.

Nigra, hirta; facies et mystax albida; abdominis segmenta utrinque albido; alæ dimidio apicali fuscescentes; halteres flavi.

Asilus nitidulus, Fabr. *Ent. Syst.* iv. 386, 44. Meig. *Klass. Zweifl.* i. 269, m.

Laphria nitidula, *Fabr. Syst. Antl.* 162, 24. *Meig. Zweifl.* ii. 303, 30.

Italy.

31. LAPHRIA NIGRIPENNIS.

Nigra, nitida; mystax supra niger subtus albus; alæ fusconigræ; halteres fuscæ.

Laphria nigripennis, *Megerle; Meig. Zweifl.* ii. 301, 27.

Austria.

32. LAPHRIA? LANIGERA.

Atra, nitida, albido mollissime longeque villosum; antennæ articulis quatuor, aristaque brevissima setiformi; abdomen supra brevissime pilosum; alæ hyalinæ, venis testaceis.

Laphria lanigera, *Duf. Ann. Sci. Nat.* xxx. 217, 10.

Spain.

33. LAPHRIA VIOLACEA.

Nigra, nitida; barba nigra; abdomen violaceum; alæ fuscescentes.

Asilus violaceus, *Fabr. Sp. Ins.* ii. 462, 13; *Ent. Syst.* iv. 381, 21. *Gmel. ed. Syst. Nat.* i. 5, 2897, 24.

Laphria violacea, *Fabr. Syst. Antl.* 159, 14. *Meig. Zweifl.* ii. 302, 29. *Macq. Hist. Nat. Nat. Dipt.* i. 286, 24.

Germany.

34. LAPHRIA VENATRIX.

Mas. Chalybeo-nigra; antennarum articulus 1us perlongus; alæ subcinereæ.

Laphria venatrix, *Loew, Linn. Ent.* ii. 562, 16.

Syracuse, Sicily.

35. LAPHRIA RUFIPES.

Mas et Fœm. Nigra; femora tibiæque rufa; alæ subfuscæ.

Laphria rufipes, *Fall. Dipt. Suec. Asil.* 66. *Meig. Zweifl.* ii. 299, 22. *Zett. Dipt. Scand.* i. 163, 7. *Loew, Linn. Ent.* ii. 560, 14.

North Europe and the Mountains of Central Europe.

36. LAPHRIA LAPPONICA.

Fœm. *Nigra, tenuiter cinereo pubescens; facies utrinque nireo pilosa; mystax niger; barba alba; femora intermedia plerumque basi, femora tibiæque postica omnino rufa; alæ fuscæ.*

Laphria rufipes, Zett. *Ins. Lapp.* 77, 103, 217; *Ins. Lapp.* 506, 3.
Laphria lapponica, Zett. *Dipt. Scand.* i. 164, 8. Loew, *Linn. Ent.* ii. 561, 15.

Lapland. Siberia.

37. LAPHRIA COARCTATA.

Nigra; caput albido villosum; frons flavescens; antennæ ferrugineæ; abdomen atrum, nitidum, segmentis coarctatis, 2o 3o 4oque supra utrinque lineola transversa alba; pedes nigri, cinereo villosi, tibiis basi testaceis; alæ basi subtestaceæ.

Laphria coarctata, Duf. *Ann. Sci. Nat.* xxx. 217, 11.

Madrid, Spain.

38. LAPHRIA SCUTELLARIS.

Nigra; scutellum albidum; pedes rufo-ochracei; alæ subflavescentes; halteres sordide flavi.

Laphria scutellaris, Hoffm.; Meig. *Zweifl.* ii. 296, 17.

Portugal.

39. LAPHRIA TIBIALIS.

Nigra, nitida; abdomen incisuris albo villosis; pedes fulvi, femoribus nigris; alæ subnigricantes; halteres fulvi.

Laphria tibialis, Megerle. Meig. *Zweifl.* ii. 298, 21.

Austria.

40. LAPHRIA GLAUCIA.

Nigra, tomentosa; abdomen apud segmenta 2um 3umque fascia glauca, reliquis margine flavo; pedes fulvi; alæ fuscæ.

Asilus glaucius, Fabr. *Ent. Syst.* iv. 386, 46. Meig. *Klass. Zweifl.* i. 269, n.

Laphria glaucia, Fabr. *Syst. Antl.* 163, 30. Meig. *Zweifl.* ii. 303, 31.

Italy.

41. LAPHRIA FLAVICINCTA.

Nigra, flavo hirta ; abdomen fasciis sinuatis aurantiacis ; pedes fulvescentes ; alæ basi flavo-fuscescentes ; halteres flavi.

Laphria flavicincta, Hoffm. Meig. Zweifl. ii. 296, 16.

Portugal.

42. LAPHRIA ATRA.

Nigra ; barba albida ; abdomen chalybeum ; alæ fuscescentes.

Asilus ater, Linn.

North and Central Europe.

North America.

A. Corpus non metallicum.

A. Corpus et pedes nigra.

- A. Cinereo hirta ; abdomen nigro hirtum. melanopogon. *Wied.*
- B. Scoriaceo nigra ; caput et pedes nigro hirta. dersata, *Say.*
- C. Thorax sulphureo hirsutus. - - - thoracica, *Fabr.*
- D. Thorax aurario pilosus. - - - flavicollis, *Say.*
- E. Thorax abdominisque apex aurario pilosa. posticata, *Say.*
- F. Flavo hirta ; scutellum, abdominis segmentum Ium, anus et pedes postici nigro hirta. - - - tergissa, *Say.*
- G. Flavo hirta ; abdomen apice nigro hirtum. analis, *Macq.*
- H. Flavido hirta ; pedes nigro hirti. - Terræ Novæ, *Macq.*
- I. Flavo hirta ; pedes postici nigro hirti. - flavipila, *Macq.*
- J. Caput, thorax, et pedes flavido hirta ; abdominis dimidium apicale fulvo hirtum. - - - lasipes, *Wied.*
- K. Thorax flavo hirtus, fascia abbreviata nigra ; abdomen basi lateribusque flavo hirtis. - - - Georgina, *Wsed.*
- L. Fulvo hirta. - - - - - sericea, *Say.*

B. Corpus aut pedes plus minusve pallida.

- A. Thorax fulvo bivittatus. Abdomen aurantiacum. saffrana, *Fabr.*
- B. Thorax albo vittatus. - - - pyrrhacra, *Wied.*
- C. Thorax cinereo vittatus. - - - glabrata, *Say.*
- D. Abdomen rufo-fuscum. - - - megacera, *Macq.*
- E. Abdominis dorsum ferrugineum. - - - Æatus, *Walk.*
- F. Abdomen apice fulvum. - - - fulvicauda, *Say.*
- G. Abdomen rufum. - - - Antæa, *Walk.*
- H. Abdomen rubrum ; tibiæ basi pallidæ. rubriventris, *Macq.*
- I. Pedes rufi. - - - Sadales, *Walk.*

B. Corpus plus minusve metallicum.

A. Nigro-cærulescens. - - - melanogaster, *Wied.*B. Nigro-viridis. Abdomen nigro-cærulescens. pygmæa, *Macq.*

C. Nigro-ænea.

a. Alæ subfuscæ. - - - - - Alcanor, *Walk.*

b. Alæ limpidaæ.

a. Tibiæ non clavataæ. - - - - - Sacrator, *Walk.*b. Tibiæ posticæ clavataæ. - - - - - Echemon, *Walk.*

The North American species comprise the following groups.

Group 1.

Corpus pilosissimum, sat gracile. Facies apud epistoma convexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather slender. Face convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ elongate-fusiform, much longer than the first and the second together. Legs stout, very hairy; femora thick. Fore fork of the cubital vein slightly undulating; hind fork and the first externo-medial very slightly curved, parallel to each other; second externo-medial straight, third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

Laphria *Æatus*.

Group 2.

Corpus pilosissimum latiusculum. Facies apud epistoma subconvexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us linearis, gracilis, articulis 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather broad. Face slightly convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Legs stout, very hairy; femora thick. Wing-veins like those of the first group.

Laphria *tergissa*, *L. posticata*, *L. thoracica*, *L. sericea*, *L. Sacrator*, *L. lasipes*, *L. Alcanor*.

Group 3.

Corpus latum, crassum, non setosum. Caput hirsutissimum. Facies apud epistoma subconvexa. Mystax densissime setosus; Proboscis recta, crassa. Antennarum articulus 3us longus, basi apiceque subattenuatus, 1o et 2o conjunctim multo longior. Thoracis latera hirta. Abdomen cingulis pilosis. Pedes pilosi, breves, valde robusti; femora incrassata, apud apices subsetosa.

Body broad, thick, without bristles. Head very hairy. Face slightly convex towards the epistoma. Mystax very thickly setose. Proboscis straight, very stout. Third joint of the antennæ long, slightly tapering at each end, much longer than the first and second joints together. Thorax hairy on each side. Abdomen with hairy bands. Legs hairy, short, very stout; femora very thick, with a few bristles towards the tips. Fore branch of the cubital vein much curved near the base, slightly curved from thence to the tip; hind branch and first externo-medial straight and parallel to each other; second externo-medial straight; third forming a nearly right angle with the præbrachial, and joining the fourth very far from the border. Subanal joining the anal near the border.

Laphria saffrana.

Group 4.

Fæm. Corpus nudum, mediocriter latum. Facies apud epistoma valde convexa. Mystax setis plurimis. Proboscis recta, linearis, longiuscula. Antennarum articulus 3us longissimus, sublinearis, basi apiceque subattenuatus, 1o et 2o conjunctim duplo longior. Femora crassa, postica subtus spinosa.

Fem. Body bare, moderately broad. Face very convex towards the epistoma. Mystax with several bristles. Proboscis straight, linear, rather long. Third joint of the antennæ very long, nearly linear, slightly tapering towards each end, about twice the length of the first and second together. Femora thick; hind femora spinose beneath. Wings moderately long and broad. Fore fork of the cubital vein undulating; hind fork curved towards the first externo-medial, but remote from it on the border; first and second externo-medial veins straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Laphria Antæa.

Group 5.

Corpus angustum, lineare, fere nudum. Facies apud epistoma convexa. Mystax sat dense setosus. Proboscis recta, valida, linearis. Pedes validi, breviusculi, parce setosi et pilosi. Alæ breves.

Body narrow, linear, nearly bare. Face convex towards the epistoma. Mystax with rather numerous bristles. Proboscis straight, stout, linear. Legs stout, rather short, with a few short hairs and bristles. Wings short. Fore fork of the cubital vein slightly undulating; hind fork nearly straight, slightly inclined towards the first externo-medial, but remote from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial and joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria Sadales.

43. LAPHRIA MELANOPOGON.

Fœm. *Nigra; occiput, thorax et pedes cinereo hirta; facies et abdomen nigro hirta; alæ subfuscescentes.*

Laphria melanopogon, *Wied. Auss. Zweifl. i. 520, 36.*

Kentucky.

44. LAPHRIA DERSATA.

Scoriaceo-nigra; caput et pedes cinereo hirta; alarum venæ fusco limbatae.

Laphria dersata, *Say, American Entomology, 1, pl. 6. Wied. Auss. Zweifl. i. 506, 12.*

Pennsylvania.

45. LAPHRIA THORACICA.

Hirsuta, atra; thorax sulphureus; alæ fuscanae.

Laphria thoracica, *Fabr. Syst. Antl. 158, 10. Wied. Dipt. Exot. i. 236, 8; Auss. Zweifl. i. 511, 21. Macq. Dipt. Exot. i. 2, 68, 14.*

United States. West Indies.

46. LAPHRIA FLAVICOLLIS.

Mas. *Nigra; thorax aurario pilosus; alæ cinereæ.*

Laphria flavicollis, Say, *Long's Exped. to St. Peter's River, Append.*
374, 2. *Wied. Auss. Zweifl.* i. 519, 34.

Laphria melanopogon, Mas. ?

Pennsylvania.

47. LAPHRIA POSTICATA.

Mas. *Nigra*; *thorax et abdominis apex aurario pilosa*; *alæ cinereæ*.

Laphria posticata, Say, *Long's Exped. to St. Peter's River, Append.*
374, 1. *Wied. Auss. Zweifl.* i. 518, 32. *Macq. Dipt. Exot.*
i. 2, 69, 17.

Pennsylvania, Carolina.

48. LAPHRIA TERGISSA.

Nigra, flavo hirta; *scutellum, abdominis segmentum 1um, anus pedesque postici nigro hirta*; *alæ flavidæ*.

Laphria tergissa, Say.

United States.

49. LAPHRIA ANALIS.

Nigra, flavo hirsuta; *abdomen apice nigrum*; *alæ fuscæ areolarum discis hyalinis*.

Laphria analis, *Macq. Dipt. Exot.* i. 2, 68, 15.

Boreal America.

50. LAPHRIA TERRÆ NOVÆ.

Fœm. *Nigra*; *caput, thorax et abdomen flavido hirta*; *pedes nigro hirti*; *alarum venæ fusco marginatæ*.

Laphria Terræ Novæ, *Macq. Dipt. Exot.* i. 2, 69, 18.

Newfoundland.

51. LAPHRIA FLAVIPILA.

Nigra, flavo pilosa; *antennarum articulus 3us sat elongatus, non obtusus*; *pedes postici nigro pilosi*; *alæ fuscæ, basi flavescentes*.

Laphria flavipila, *Macq. Hist. Nat. Dipt.* i. 282, 8.

United States.

52. LAPHRIA LASIPES.

Mas. *Nigra*; caput, thorax et pedes flavido hirta; abdominis dimidium apicale fulvo hirtum; alarum venæ subfusco limbatae.

Laphria lasipes, Wied.

Kentucky.

53. LAPHRIA GEORGINA.

Nigra; thorax flavo hirtus, fascia abbreviata nigra; abdomen basi lateribusque flavo hirtis; alæ fuscanae.

Laphria Georgina, Wied. *Dipt. Exot.* i. 235, 6; *Auss. Zweifl.* i. 506, 13.

Georgia.

54. LAPHRIA SERICEA.

Mas. *Nigra*, fulvo hirta; mystax flavidus; tibiæ posticæ nigro hirtæ; alæ limpidae, venis flavido limbatis.

Laphria sericea, Say, *Journ. Acad. Philad.* iii. 74, 4; *Amer. Ent.* pl. 6. Wied. *Auss. Zweifl.* i. 508, 16.

Pennsylvania.

55. LAPHRIA SAFFRANA.

Nigra; antennæ, pedes thoracisque limbus et vittæ duæ fulva; abdomen aurantiacum; alæ fuscae.

Laphria saffrana, Fabr.

North America.

56. LAPHRIA PYRRHACRA.

Nigra; thorax albo vittatus; abdomen utrinque maculis albis, segmenti 2i apice sequentibusque rubido-flavis; alæ flavescetes.

Laphria fulvicauda, Say, *Journ. Acad. Philad.* iii. 53, 1; *Amer. Entomol.* pl. 6.

Laphria pyrrhacra, Wied. *Auss. Zweifl.* i. 517, 31.

North America and South America.

57. LAPHRIA GLABRATA.

Nigra, nitida; facies argentea; thoracis margo anticus, vittæ duæ et pectus cinerea; pedes rufo-fusci; femora apud medium, tibiæ apice tarsique obscuriora; alæ hyalinæ, venis fuscis.

Laphria glabrata, *Say, Journ. Acad. Philad.* iii. 53, 2.

Philadelphia.

58. LAPHRIA MEGACERA.

Nigra; facies lateribus albis; antennarum articulus 3us elongatus, non tumidus; abdomen rufo-fuscum; femora postica parum incrassata, tuberculis nigris; alæ nigricantes.

Laphria megacera, *Macq. Hist. Nat. Dipt.* i. 284, 18.

Philadelphia.

59. LAPHRIA ÆATUS.

Laphria Æatus, *Cat. of Diptera*, 381.

United States.

60. LAPHRIA FULVICAUDA.

Nigra; cinereo pilosa; thorax vittatus; abdomen depressum, apice fulvum; alæ nigricantes.

Laphria fulvicauda, *Say, Journ. Acad. Nat. Sci. Philad.* iii. 53, 1.

United States.

61. LAPHRIA ANTÆA.

Nigra; frons argentea; abdomen sanguineum; basi nigrum; alæ nigro violaceæ.

Laphria Antæa, *Cat. of Diptera*, Pt. 2, 379.

Laphria saniosa? *Say, Journ. Acad. Nat. Sci. Philad.* vi. 158.

British North America.

62. LAPHRIA RUBRIVENTRIS.

Nigra; facies et mystax flavæ; thorax flavo pubescens; abdomen rubrum, basi nigrum; tibiæ basi pallidæ; alæ fuscæ, basi flavescentes.

Laphria rubriventris, *Macq. Hist. Nat. Dipt.* i. 284, 19.

Philadelphia.

63. LAPHRIA SADALES.

Laphria Sadales, *Cat. of Diptera*, Pt. 2, 378.
New York.

64. LAPHRIA MELANOGASTER.

Nigro-cærulescens; caput thorax et pedes anteriores flavido hirta;
alarum venæ fuscano limbatae.

Laphria melanogaster, *Wied. Dipt. Exot.* i. 236, 7; *Auss. Zweifl.*
i. 507, 14.

United States. Mexico.

65. LAPHRIA PYGMÆA.

Nigra; frons et mystax alba; thorax viridi-niger; abdomen
cyaneo-nigrum; femora et tibiæ basi fulvescentia; alæ lim-
pidæ.

Laphria pygmæa, *Macq. Hist. Nat. Dipt.* i. 287, 30.
Georgia.

66. LAPHRIA ALCANOR.

Laphria Alcanor, *Cat. of Diptera*, Pt. 2, 383.
Massachusetts.

67. LAPHRIA SACRATOR.

Laphria Sacrator, *Cat. of Diptera*, Pt. 2, 382.
Nova Scotia.

68. LAPHRIA ECHEMON.

Laphria Echemon, *Cat. of Diptera*, Pt. 2, 386.
Ohio.

West Indies.

69. LAPHRIA XANTHOCNEMA.

Fœm. *Nigra*; abdomen et tibiæ rubida; alæ subflavescentes;
venæ cubitalis ramus posticus cum vena externo-media la
junctus.

Laphria xanthocnema, *Wied. Auss. Zweifl.* i. 509, 18. *Macq. Dipt.*
Exot. i. 2, 67, 12.

West Indies. Brazil.

South America.

- A. Thorax metallicus.
- A. Pedes nigri aut metallici.
- a. Alæ obscuræ.
- a. Thorax antice nigro hirtus, postice aurato hirtus. splendens, *Macq.*
- b. Thorax aurato hirtus. - - - - dives, *Wied.*
- c. Thorax nigro hirtus.
- i. Proboscis recta. - - - - Olbus, *Walk.*
- ii. Proboscis arcuata. - - - - bimaculata, *Walk.*
- B. Alæ hyalinæ. - - - - violacea, *Macq.*
- B. Pedes ferruginei. - - - - spinipes, *Fabr.*
- B. Thorax niger. Abdomen metallicum.
- A. Thorax non vittatus.
- B. Thorax vittis pallidis.
- A. Tibiæ albæ. - - - - albitibia, *Macq.*
- B. Tibiæ non albæ.
- a. Antennarum articulus 3us fusiformis.
- i. Mystax dense setosus. - - - - pyrrhopyga, *Wied.*
- ii. Mystax raro setosus. - - - - erythropyga, *Wied.*
- b. Antennarum articulus 3us ellipticus. laticornis, *Walk.*
- C. Corpus nigrum aut pallidum.
- A. Thorax totus niger.
- A. Abdomen totum nigrum.
- a. Alæ hyalinæ, apice subfuscæ. - - Venezuelensis, *Macq.*
- b. Alæ triente basali nigra. - - - - hæmorrhœa, *Wied.*
- c. Alæ fuscæ, fascia fulva. - - - - fascipennis, *Macq.*
- B. Abdomen basi pallidum. - - - - rufipennis, *Wied.*
- c. Abdomen apice pallidum. - - - - appendiculata, *Macq.*
- D. Abdominis segmenta 6um et 7um pallida. pilipes, *Macq.*
- E. Abdomen totum pallidum.
- a. Alæ fuscæ; areolarum disci sublimpidi. croceiventris, *Wied.*
- b. Alæ subflavescentes. - - - - dichroa, *Wied.*
- c. Alæ luteæ dimidio postico apiceque cinereis. proxima, *Walk.*
- B. Thorax nigellus, vittis obscurioribus. - - - - contusa, *Wied.*
- Thorax vittis cinereis aut albis.
- A. Abdominis latera nigra. - - - - Amandus, *Walk.*
- B. Abdominis latera non nigra.
- a. Alæ flavescentes. - - - - mesoxantha, *Wied.*
- b. Alæ limpidæ, apice cinereæ. - - - - erythrogaster, *Wied.*
- c. Thorax cinereus aut canus.

i. Pedes nigri.	- - - -	viduata, <i>Wied.</i>
ii. Pedes pallidi.	- - - -	pusilla, <i>Macq.</i>
<i>D.</i> Thorax niger, humeris et pleuris pallidis.		mellipes, <i>Wied.</i>
<i>E.</i> Thorax niger, limbo luteo.	- -	xanthopus, <i>Wied.</i>
<i>F.</i> Thorax niger, scutello fulvo.	- - -	limbata, <i>Macq.</i>
<i>G.</i> Thorax totus pallidus.		
A. Alæ apice nigræ.	- - - -	melanura, <i>Wied.</i>
B. Alæ fusco maculatæ.	- - - -	maculipennis, <i>Macq.</i>

The following groups represent most of the South American species.

Group 1.

Corpus metallicolor. Caput et thorax setis nonnullis. Facies valde convexa. *Mystax* rarus. Proboscis longa valida, recta. Antennarum articulus 3us basi apiceque subattennatus, 1o et 2o conjunctim multo longior. Pedes validi, pubescentes; femora tibiæque anteriora tarsique subsetosa.

Head and thorax with a few bristles. Face very convex. *Mystax* with a few bristles. Proboscis long, stout, straight. Third joint of the antennæ much longer than the first and the second together, slightly tapering towards each end. Legs stout, pubescent; tarsi and anterior femora and tibiæ slightly bristly. Fore branch of the cubital vein undulating; second nearly straight, remote from the first externo-medial; first and second externo-medial veins straight; third curved abruptly hindward and united to the fourth far from the border. Subanal and anal veins united very near the border.

Laphria Olbus.

Group 2.

Corpus metallicolor, hirsutum et setosum. Facies apud epistoma convexa. *Mystax* setis plurimis. Proboscis valida, lanceolata, subarcuata, non longa. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim longior. Pedes validi, pilosi, setosi; femora sat crassa.

Body and legs metallic, rather thickly beset with hairs and bristles. Face convex towards the epistoma. *Mystax* with numerous hairs and bristles. Proboscis stout, lanceolate, rather short, slightly curved. Third joint of the antennæ elongate-fusiform, longer than the first and the second together. Legs stout, hairy and bristly; femora rather thick. Fore fork of the cubital vein undulating; hind fork and first externo-medial vein slightly curved,

parallel to each other; second externo-medial straight; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria bimaculata.

Group 3.

Corpus metallicolor, fere nudum. Facies apud epistoma subconvexa. Mystax setis paucissimis. Proboscis recta, sat longa. Antennarum articulus 3us sublinearis, basi apiceque subattenuatus, 1o et 2o conjunctim multo longior.

Body metallic, almost bare. Face slightly convex towards the epistoma. Mystax with very few bristles. Proboscis straight, rather long. Third joint of the antennæ nearly linear, slightly tapering towards the tip, very much longer than the first and the second together. Fore fork of the cubital vein slightly undulating; hind fork and first externo-medial straight and parallel to each other; second straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Laphria spiniipes.

Group 4.

Caput et thorax dense et breviter hirta. Facies latissima, subconvexa. Mystax setis plurimis validis abbreviatis. Proboscis brevis, recta, crassa. Antennarum articulus 3us fusiformis, latiusculus, 1o et 2o conjunctim paullo longior. Abdomen subpubescens, lateribus parce setosis. Pedes validi, pilosissimi; femora crassa.

Head and thorax thickly clothed with short hairs. Face very broad, slightly convex. Mystax with numerous short stout bristles. Proboscis short, straight, very stout. Third joint of the antennæ fusiform, comparatively broad, rather longer than the first and the second together. Abdomen thinly pubescent, with a few short stout bristles on each side. Legs stout, very hairy; femora thick. Fore fork of the cubital vein undulating; hind fork united to the first externo-medial at some distance from the border; second externo-medial straight; third curved, forming a nearly right angle with the præbrachial, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

Laphria pyrrophyga.

Group 5.

Caput valde hirsutum. Facies apud epistoma subconvexa. Mystax raro setosus. Proboscis valida, recta, breviuscula. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim æqualis. Thoracis et abdominis latera pilosa, setosa. Pedes validi, setosi, pilosissimi; femora incrassata.

Head very hairy. Face slightly convex towards the epistoma. Mystax with a few bristles. Proboscis stout, straight, not long. Third joint of the antennæ fusiform, as long as the first and the second together. Thorax and abdomen hairy and bristly on each side. Legs stout, bristly, very hairy; femora very thick, especially the hind pair; hind tibiæ slightly curved. Fore fork of the cubital vein slightly undulating; hind fork slightly curved, parallel to the first externo-medial; second externo-medial straight; third curved, forming a nearly right angle with the præbrachial, and joining the fourth far from the border. Subanal united to the anal very near the border.

Var. Fore fork of the cubital united near its base to the radial by a transverse veinlet, forming in one wing near its base an angle, which emits a short branch; first externo-medial inclining towards the second.

Laphria erythropyga.

Group 6.

Caput, thorax et abdominis latera dense et breviter pilosa. Facies latissima, apud epistoma convexa. Mystax setis plurimis longis. Proboscis apicem versus subarcuata. Antennarum articulus 3us ellipticus, latus, 1o et 2o conjunctim æqualis. Abdominis latera subsetosa. Pedes validi, dense pilosi et setosi; femora crassa.

Head, thorax and sides of the abdomen thickly clothed with short hairs. Face very broad. Mystax on a convex tubercle, with several long bristles. Proboscis slightly curved near the tip. Third joint of the antennæ elliptical, unusually broad, as long as the first and the second together. Abdomen with a few bristles along each side. Legs stout, very hairy and bristly; femora thick. Fore fork of the cubital vein undulating; hind fork curved towards the first externo-medial, and nearly joining it on the border; second externo-medial straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal at some distance from the border.

Laphria laticornis.

Group 7.

Caput et thorax dense setosa. Facies valde convexa. Mystax dense setosus. Proboscis longa, robusta, apice arcuata. Antennarum articulus 3us linearis, gracilis, 1o et 2o conjunctim paullo longior. Pedes validi, pilosi, setosi; tarsi spinosi.

Head and thorax thickly beset with bristles. Face very convex. Mystax very bristly. Proboscis long and stout, curved towards the tip. Antennæ slender; third joint linear, a little longer than the first and the second together. Legs stout, hairy and bristly; tarsi spinose. Fore branch of the cubital vein undulating; hind branch straight, united on the border to the first externo-medial vein; third externo-medial curved hindward and united to the fourth at some distance from the border. Subanal and anal veins united at some distance from the border.

Laphria Amandus.

Group 8.

Caput et thorax setis paucis. Facies fere plana. Mystax pilosus, epistoma versus setosus. Proboscis valida, recta. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim longior. Pedes validi, setosi; femora crassiuscula.

Head and thorax with a few bristles. Face almost flat. Mystax hairy, bristly towards the epistoma. Proboscis stout, straight. Third joint of the antennæ fusiform, longer than the first with the second. Legs stout, bristly; femora rather thick. Fore branch of the cubital vein much curved near the base, almost straight from thence to the tip; hind branch very slightly curved, remote from the first externo-medial, which is nearly straight; second externo-medial straight; third curved abruptly hindward, and united to the fourth at some distance from the border. Subanal united to the anal near the border.

Laphria maculipennis.

Group 9.

Corpus parce pilosum, non setosum. Facies apud peristoma valde setosa. Mystax dense setosus. Proboscis latissima, subarcuata. Antennarum articulus 1us 2o plus duplo longior; 3us longifusiformis, 1o multo longior. Femora crassa.

Proboscis compressed horizontally. Radial vein nearly straight. Fore fork of the cubital very slightly undulating; hind fork and

first externo-medial vein hardly curved, almost parallel to each other. Third externo-medial forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria aurifrons.

70. LAPHRIA DIVES.

Fœm. *Ænea, aurato hirta; alæ nigro-fuscæ.*

Laphria dives, Wied. *Auss. Zweifl.* i. 524, 43.

Brazil.

71. LAPHRIA OLBUS.

Laphria Olbus, *Cat. of Diptera*, Pt. 2, 375.

a. Guatimala. From M. Deby's collection.

72. LAPHRIA BIMACULATA.

Viridis; caput et pectus nigra; thorax albido bimaculatus; abdomen et tibiæ posticæ purpurea; alæ nigro-purpureæ.

Body and legs rather thickly clothed with long hairs and bristles. Head black, with whitish tomentum beneath and about the eyes, clothed beneath with whitish hairs. *Mystax* with black bristles, and towards the epistoma with white bristles. Thorax purple, with black hairs and bristles; a spot of whitish tomentum on each side in front. Pectus black, with whitish tomentum. Abdomen and legs blue; tip of the abdomen and tibiæ purple. Wings purplish black. Halteres tawny. Length of the body 9 lines; of the wings 18 lines.

a. Amazon district. From Mr. Bates' collection.

73. LAPHRIA VIOLACEA.

Fœm. *Violacea; mystax flavidus; antennæ pedesque nigra; abdomen albo punctatum; alæ hyalinæ, posticæ cinereæ.*

Laphria violacea, *Macq. Dipt. Exot. Suppl.* 1, 74, 27.

Colombia.

74. LAPHRIA SPINIPES.

Fœm. *Ænea (nunc viridi nunc chalybeo); pedes ferruginei, femoribus incrassatis bidentatis; alæ fuscæ.*

Laphria spinipes, *Fabr.*

Brazil.

75. LAPHRIA PRÆPOTENS.

Fœm. *Nigra; abdomen viridi-nigrum, apice rubro tomentosum; alæ fuscæ, fascia alba.*

Laphria præpotens, *Macq. Dipt. Exot. Suppl.* 1, 74, 28, pl. 7, f. 17.
Cayenne.

76. LAPHRIA ALBITIBIA.

Fœm. *Nigra; thorax albido vittatus; abdomen chalybeum, basi albo pilosum; tibiæ externe albæ; alæ violaceo-nigræ.*

Laphria albitibia, *Macq. Dipt. Exot. Suppl.* 3, 25, 35, pl. 2, f. 6.
Brazil. Rio Negro.

Fœm. *Nigra; thorax albo vittatus; abdomen cæruleus nitidus; pedes albo tomentosi; alæ violacæ.*

Laphria albitibialis, *Macq. Dipt. Exot. Suppl.* 2, 38, 32.
Brazil.

77. LAPHRIA PYRRHOPYGA.

Mas. *Nigra; thorax fulvo bivittatus; abdominis segmentum apicale et anus rubido-flava; alæ cinereæ.*

Laphria pyrrhopyga, *Wied. Auss. Zweifl.* i. 515, 17.
Brazil.

a. Parà. From Mr. Bates' collection.

78. LAPHRIA ERYTHROPYGA.

Mas. *Nigra; abdomen basi utrinque maculis albo pilosis, in segmento 2o cohærentibus; apex rubidus; alæ flavescentes, apice fuscæ.*

Laphria erythropyga, *Wied.*
Brazil.

a. Java. From the East India Company's collection.

79. LAPHRIA LATICORNIS.

Nigra; caput et pectus albido tomentosa, illum albo pilosum; thorax vittis tribus albidis strigisque duabus humeralibus ferrugineis, abdomen purpureo cupreum, apice fulvum; pedes albido hirti; alæ subcinereæ, fascia obscuriore.

Black. Head covered with whitish cinereous tomentum, clothed with white hairs. Mystax with black bristles. Eyes æneous. Thorax with three whitish stripes; the lateral pair dilated in front, and emitting a curved band to each side of the thorax; a ferruginous streak on each shoulder. Pectus with whitish tomentum. Abdomen dark purplish bronze; 6th and 7th segments tawny; tip armed with short black spines. Legs with whitish hairs. Wings grayish, darker across the tip of the discal areolet and towards the tips; veins black. Length of the body 5 lines; of the wings 8 lines.

a. Parà. From Mr. Bates' collection.

80. LAPHRIA VENEZUELENSIS.

Nigra; abdomen incisuris albis; alæ hyalinae, apice subfuscae.

Laphria venezuelensis, Macq. Dipt. Exot. Suppl. 1, 74, 26, pl. 7, f. 15.

Colombia, Venezuela.

81. LAPHRIA HÆMORRHOA.

Mas. Nigra, nigro hirta; abdominis incisuræ albo hirtæ; anus rufo hirtus; alæ basi nigrae.

Laphria hæmorrhœa, Wied. Auss. Zweifl. ii. 645, 65.

Bahia.

82. LAPHRIA FASCIPENNIS.

Nigra, crassa; faciei latera flavo hirta; antennarum articulus 3us non obtusus; abdomen læte fulvo pilosum; alæ fusca, fascia lata fulva.

Laphria fascipennis, Macq. Hist. Nat. Dipt. i. 284, 20.

Cayenne.

83. LAPHRIA RUFIPENNIS.

Fœm. Nigra; abdomen basi utrinque testaceum; alæ croceorubida, apice fusca.

Laphria rufipennis, Wied. Auss. Zweifl. i. 522, 39.

Brazil.

84. LAPHRIA APPENDICULATA.

Mas. Nigra; mystax albidus; anus testaceus; alæ rufescentes.

Laphria appendiculata, *Macq. Dipt. Exot. Suppl.* i. 75, 29, pl. 7, f. 18.

Cayenne.

85. LAPHRIA PILIPES.

Nigra; facies albida pilosa; abdominis segmenta setis lateralibus; 6um et 7um fulva; pedes pilis longis albidis; alæ apice subobscuræ.

Laphria pilipes, *Macq. Hist. Nat. Dipt.* i. 282, 9.

Brazil.

86. LAPHRIA CROCEIVENTRIS.

Nigra; vibrissæ flavidæ; abdomen croceum; alæ fuscescentes, areolarum discis sublimpidis.

Laphria croceiventris, *Wied. Dipt. Exot.* i. 234, 5; *Auss. Zweifl.* i. 503, 8.

Brazil.

87. LAPHRIA DICHROA.

Fœm. Mellea; antennæ et thorax nigra; alæ subflavescentes.

Laphria dichroa, *Wied. Auss. Zweifl.* i. 526, 46.

Brazil.

88. LAPHRIA PROXIMA.

Nigra; caput albo tomentosum; abdomen fulvum; alæ luteæ, apice cinereæ.

Very nearly allied to *L. rufipennis*, but the 3rd joint of the antennæ is quite black, the abdomen is wholly tawny, and the wings are luteous for not more than two-thirds of the length; the apical third part and the hind border are gray. Head with white tomentum. Mystax with many black and whitish bristles. Legs clothed with cinereous hairs; tarsi beneath with reddish down. Length of the body 5 lines; of the wings 8 lines.

a. Parâ. From Mr. Bates' collection.

89. LAPHRIA CONTUSA.

Nigella; antennæ fuscescentes; thorax vittis obscurioribus; abdomen flavum; pedes flavo-fusci; alæ apud venas subcinereæ.

Laphria contusa, *Wied. Auss. Zweifl.* i. 587, 25.

Brazil.

90. LAPHRIA AMANDUS.

Laphria Amandus, *Cat. of Diptera*, Pt. 2, 373.

a. Guatimala. From M. Deby's collection.

91. LAPHRIA MESOXANTHA.

Fœm. *Nigra; thorax cinereo hirtus, vittis nigris; abdomen subcoccinelleum, ano rufo; alæ flavescens, venis transversis et apicalibus fusco limbatis.*

Laphria mesoxantha, *Wied. Auss. Zweifl.* i. 513, 24. *Macq. Dipt. Exot.* i. 2, 67, 11.

Brazil.

92. LAPHRIA ERYTHROGASTER.

Nigra; thorax vittis quatuor albidis; abdomen subcoccinelleum, ano flavido; alæ limpida, apice cinerea.

Laphria erythrogaster, *Wied. Auss. Zweifl.* i. 523, 41.

Brazil.

93. LAPHRIA VIDUATA.

Mas. *Atra; thorax cano hirtus; abdomen fasciis canis; alæ nigro-fusca.*

Laphria viduata, *Wied. Zool. Mag.* iii. 50, 14; *Dipt. Exot.* i. 241, 18; *Auss. Zweifl.* i. 528, 50.

Brazil.

94. LAPHRIA PUSILLA.

Mas. *Cinerea; pedes mellei, femoribus crassis externe fuscans; alæ subcinerea.*

Laphria pusilla, *Macq. Dipt. Exot.* i. 2, 68, 13.

Brazil.

95. LAPHRIA MELLIPES.

Nigra; humeri, pleura et pedes flava; alæ apice fusco-cinerea.

Laphria mellipes, *Wied. Auss. Zweifl.* i. 256, 47.

Brazil.

96. LAPHRIA XANTHOPUS.

Fœm. *Nigra; thoracis limbus et pedes lutea; alæ sublimpidæ, apice subcinereæ.*

Laphria xanthopus, *Wied. Auss. Zweifl.* i. 529, 52.

Brazil.

97. LAPHRIA LIMBATA.

Nigra, crassa; faciei latera flavescientia; mystax niger, subtus flavus; scutellum fulvum; abdominis segmenta marginibus posticis ventreque flavo pilosis; pedes postici femoribus non incrassatis, tibiis non arcuatis.

Laphria limbata (nomen bis lectum), *Macq. Hist. Nat. Dipt.* i. 287, 29.

Cayenne.

98. LAPHRIA MELANURA.

Ardentissime ferruginea; antennæ apice nigre; abdomen apice nigro-cyaneum; pedes fulvi, genubus tibiisque apice nigris; alæ croceæ, apice nigre.

Laphria melanura, *Wied. Auss. Zweifl.* i. 508, 15. *Macq. Dipt. Exot.* i, 2, 67, 10.

Brazil.

99. LAPHRIA MACULIPENNIS.

Mas. *Testacea; mystax flavidus; alæ flavidæ, fusco maculatæ.*

Laphria maculipennis, *Macq. Dipt. Exot. Suppl.* 1, 73, 25, pl. 7, f. 14.

Guiana.

a. Tapayos. From Mr. Bates' collection.

Africa.

A. Corpus plus minusve metallicolor.

A. Alæ nigro-cyaneæ.

a. Caput posticum fulvo hirtum. - - - - - rufibarbis, *Fabr.*

b. Caput posticum nigro hirtum.

a. Femora nigra. - - - - - præceps, *Walk.*

b. Femora tibiæque postica apice nigra. - - - - - flavipes, *Wied.*

c. Femora tota fulva. - - - - - Ufens, *Walk.*

B. Alæ fusce.

- A. Pedes flavi. - - - - - varipes, *Macq.*
 B. Pedes nigri. - - - - - Metalli, *Walk.*
 C. Alæ fulvæ. - - - - - luctuosa, *Macq.*
 D. Alæ subcinereæ. - - - - - albimaculata, *Macq.*
 B. Corpus non metallicolor.
 A. Thorax totus niger.
 A. Pedes nigri.
 a. Corpus obscurum.
 i. Antennæ apice testaceæ. - - - - - bomboides, *Macq.*
 ii. Antennæ nigrae.
 b. Corpus nitidum. - - - - - albicincta, *Loew.*
 n. Pedes rubidi. - - - - - Dymes, *Walk.*
 B. Thorax niger, lateribus pallidis. - - - - - lateralis, *Fabr.*
 C. Thorax fuscus. - - - - - tridentata, *Fabr.*
 D. Thorax luteo hirtus. - - - - - hirtipes, *Fabr.*
 E. Thorax pallidus.
 A. Alæ maculatæ. - - - - - testacea, *Macq.*
 B. Alæ non maculatæ. - - - - - Decula, *Walk.*

The African Laphriæ in the British Museum comprise the following groups:—

Group 1.

Caput et thorax pilosissima. Facies valde convexa. Mystax densissime setosus. Proboscis longa, valida, apice subarcuata. Antennæ longiusculæ; articulus 3us longifusiformis, 1o et 2o conjunctim multo longior. Pedes validi, hirti, setosi; tarsi spinosi.

Head and thorax very hairy. Face very convex. Mystax very thickly beset with bristles. Proboscis stout, long, very slightly curved near the tip. Antennæ rather long; 3rd joint elongate, fusiform, much longer than the 1st and the 2nd together. Legs stout, hairy and bristly; tarsi spinose. Fore branch of the cubital vein slightly curved; hind branch nearly straight, parallel to the 1st externo-medial vein; 2nd externo-medial straight; 3rd forming a right angle with the præbrachial, and joining the 4th far from the border. Subanal united to the anal very near the border.

Laphria rufibarbis, *L. flavipes*, *L. præceps*, *L. Ufens*, *L. albimaculata*, *L. Dymes*.

Group 2.

Corpus latissimum. Caput, thorax, pedes et abdominis latera pilosissima. Facies plana. Mystax densissime hirtus. Proboscis brevis, crassa, lanceolata. Antennarum articulus 3us sublinearis,

basi et apice attenuatus, 1o et 2o conjunctim fere duplo longior. Pedes validi, densissime ciliati.

Body very broad. Head, thorax and sides of the abdomen very hairy. Face flat. Mystax very thick. Proboscis short, thick, lanceolate. Third joint of the antennæ nearly linear, tapering at each end, almost twice the length of the 1st and the 2nd together. Legs stout, very thickly ciliated. Fore fork of the cubital vein much curved; hind fork curved, very near the 1st externo-medial, which it joins on the border; 2nd straight; 3rd forming a right angle with the præbrachial, joining the 4th far from the border. Subanal and anal united very far from the border.

Laphria hirtipes.

Group 3.

Corpus sublineare, sat angustum, pilis setisque paucis. Facies apud epistoma subconvexa. Mystax setis paucissimis. Proboscis longa, recta, gracilis, linearis. Pedes subpilosi.

Body nearly linear, rather narrow, with but few hairs and bristles. Head broader than the thorax. Face slightly convex towards the epistoma. Mystax with about eight bristles. Proboscis long, slender, straight, linear. Thorax broader than the abdomen. Metathorax with a thin tuft of bristles on each side. Legs thinly clothed with short hairs and long slender bristles.

Laphria Decula.

Group 4.

Corpus lineare, sat gracile. Caput dense pilosum. Facies apud epistoma convexa. Mystax densissime setosus. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim paullo longior. Abdomen pubescens, lateribus subpilosis. Thoracis latera pilosa. Pedes sat graciles, pilosi, setosi.

Body linear, rather slender. Head thickly clothed with hairs. Face convex towards the epistoma. Mystax with very numerous bristles. Proboscis straight, linear, moderately long and slender. Third joint of the antennæ elongate, fusiform, a little longer than the 1st and the 2nd together. Sides of the thorax hairy and with a few bristles. Abdomen pubescent, hairy on each side towards the base. Legs hairy, beset with a few bristles, rather slender. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, nearly parallel to the 1st externo-medial; 2nd externo-medial straight; 3rd forming an obtuse angle with the præbrachial,

joining the 4th very far from the border. Subanal joining the anal near the border.

Laphria abdominalis.

100. *LAPHRIA RUFIBARBIS*.

Atra; *caput rufo hirtum*; *antennæ et pedes rubida*.

Laphria rufibarbis, *Fabr.*

Guinea.

101. *LAPHRIA PRÆCEPS*.

Nigra, nigro hirta; *mystax rufo hirtus*; *antennæ rufescentes*; *abdomen purpureum*; *pedes rufescentes*; *alæ nigro-purpureæ*.

Black, clothed with black hairs. *Mystax* thickly clothed with bright reddish hairs. *Antennæ* dull red. Abdomen purple, with bluish and greenish reflections. Legs reddish, with reddish hairs; *coxæ* and *femora* black, with black hairs. Wings purplish black. Length of the body 11 lines; of the wings 20 lines.

a. Port Natal. From Mr. Plant's collection.

102. *LAPHRIA FLAVIPES*.

Fœm. Nigra; *abdomen obscure chalybeo-violascens*; *pedes flavi, femoribus tibiisque apice nigris*; *alæ nigro-cyaneæ*.

Laphria flavipes, *Wied. Dipt. Exot. i. 238, 12*; *Auss. Zweifl. i. 519,*

33. *Macq. Dipt. Exot. i. 2, 63, 1.*

Cape.

a. Port Natal. From Dr. Krauss' collection.

103. *LAPHRIA UFENS*.

Laphria Ufens, *Cat. of Diptera, Pt. 2, 372.*

Sierra Leone.

104. *LAPHRIA VARIPES*.

Cyaneo-nigra; *faciei latera alba*; *pedes flavi, femoribus, tibiis tarsisque apice coxisque nigris, femoribus posticis vix incrassatis*; *alæ fuscæ*.

Laphria varipes, *Macq. Hist. Nat. Dipt. i. 286, 26.*

Cape.

106. LAPHRIA METALLI.

Laphria Metalli, *Diptera Saundersiana*, Pt. 2, 105.

Cape.

107. LAPHRIA LUCTUOSA.

Mas. *Nigra; abdomen elongatum, angustum, recurvum, fasciis duabus albis interruptis, apice cyaneo; pedes longi; alæ fulvæ.*

Laphria luctuosa, *Macq. Dipt. Exot. Suppl.* 2, 37, 31.

Senegal.

108. LAPHRIA ALBIMACULATA.

Fœm. *Nigra; thorax vittis albo tomentosis; abdomen cyaneo-nigrum, lateribus albo maculatis; alæ subcinereæ.*

Laphria albimaculata, *Macq. Dipt. Exot.* i. 2, 64, 5.

Cape. Mauritius.

Var. ? *Abdomen cupreum.*

a. ——— ?

109. LAPHRIA BOMBOIDES.

Nigra; antennarum articulus ultimus testaceus; abdominis segmenta quatuor apicalia albicante subflavescente pilosa; alæ subfuscescentes, venis fuscis flavo marginatis. Mas.—*Mystax rufus; thorax antice fulvo pilosus.* Fœm.—*Mystax albidus; thorax antice flavo pilosus.*

Laphria bomboides, *Macq. Expl. Scient. Alg.* iii. *Ins.* 432, 5, pl. 2, f. 10.

Algeria.

110. LAPHRIA ABDOMINALIS.

Nigra, albido pilosa; facies albo tomentosa; abdominis discus rufescens, rufo pubescens; alæ cinereæ.

Black, clothed with whitish hairs. Face with shining white tomentum on each side. Disk of the abdomen above reddish, clothed with red down. Tarsi ferruginous beneath. Wings gray; veins and halteres black. Length of the body 7 lines; of the wings 12 lines.

a. Algeria. From M. Parzudaki's collection.

111. LAPHRIA ALBICINCTA.

Atra, nitida; femora postica valde incrassata; areola 1a posterior longe ante alæ marginem clausa.

Laphria albicincta, Loew, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 659, 11.

Mozambique.

112. LAPHRIA DYMES.

Laphria Dymes, *Cat. of Diptera*, Pt. 2, 377.

L. flavipes, var. ?

Sierra Leone.

113. LAPHRIA LATERALIS.

Nigra; thoracis abdominisque latera fulva; pedes rufi, femoribus atris rufo fasciatis; alæ nigro-fuscæ.

Laphria lateralis, *Fabr. Syst. Antl.* 157, 5. *Wied. Dipt. Exot.* i. 233, 3; *Auss. Zweifl.* i. 501, 4. *Macq. Hist. Nat. Dipt.* i. 285, 21.

Guinea.

114. LAPHRIA TRIDENTATA.

Fœm. *Fusca; abdomen nigrum; pedes rubidi, femoribus posticis tridentatis; alæ fuscæ.*

Dasypogon tridentatus, *Fabr. Syst. Antl.* 167, 14.

Laphria tridentata, *Wied. Dipt. Exot.* i. 239, 14; *Auss. Zweifl.* i. 521, 37.

Guinea.

115. LAPHRIA HIRTIPES.

Fœm. *Nigra; barba flavescens; thorax fulvus; alæ nigrae, basi flavido limpidæ.*

Laphria hirtipes, *Fabr.*

Guinea.

116. LAPHRIA TESTACEA.

Fœm. *Testacea; alæ antice subflavæ, postice subfusca, macula discali punctoque fuscis.*

Laphria testacea, *Macq. Dipt. Exot.* i. 2, 63, 2.

Cape.

117. LAPHRIA DECUA.

Dasypogon Decula, *Cat. of Diptera*, Pt. 2, 352.

Sierra Leone.

Mauritius.

A. Pedes nigri.

A. Thorax viridi-niger. - - - submetallica, *Macq.*

B. Thorax niger.

A. Facies albida. - - - - - cærulescens, *Macq.*

B. Facies non albida? - - - - - cyaneogaster, *Macq.*

B. Pedes testacei. - - - - - Breonii, *Macq.*

Group 1.

Corpus angustum, parce pilosum. Facies plana. Mystax setis plurimis instructus. Proboscis lanceolata. Antennarum articulus 3us longifusiformis, articulis 1o et 2o conjunctim paullo longior. Abdomen sublineare, thorace angustius. Pedes sat graciles, setis nonnullis longis instructi.

Fore fork of the cubital vein undulating, much curved near the base; hind fork slightly curved, inclined towards the first externo-medial, but at some little distance from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial, joining the fourth at a short distance from the border. Subanal joining the anal very near the border.

Laphria submetallica.

118. LAPHRIA SUBMETALLICA.

Viridi-nigra; abdomen violaceo-nigrum, lateribus albido maculatis; antennæ pedesque nigra; alæ fuscæ.

Laphria submetallica, *Macq. Dipt. Exot.* i. 2, 63, 3.

Isle of France.

119. LAPHRIA CÆRULESCENS.

Nigra, facies albida; mystax niger; abdomen cyaneo purpureoque nitens; segmentorum latera albo notata; alæ fuscæ.

Laphria cærulescens, *Macq. Hist. Nat. Dipt.* i. 286, 28.

a. Isle of France.

120. LAPHRIA CYANEOGASTER.

Fœm. *Nigra*; abdomen *cæruleum*, *albido maculatum*; *alæ fuscanae*.

Laphria cyaneogaster, *Macq. Dipt. Exot. i. 2, 64, 4.*

Laphria cærulescens, *Var. ?*

Isle of France.

121. LAPHRIA BREONII.

Mas. *Nigra*; abdomen *cærulescens*; *pedes testacei*; *alæ cinereæ*.

Laphria Breonii, *Macq. Dipt. Exot. i. 2, 65, 6.*

Isle Bourbon.

Asia.

A. Corpus sat gracile.

A. Corpus plus minusve metallicolor.

a. *Alæ nigræ aut nigro-fuscæ.*

a. Abdomen maculis humeralibus albis. scapularis, *Wied.*

b. Corpus non albo varium. - - Taphins, *Walk.*

B. *Alæ infumatæ, basi flavidæ.* - - spectabilis, *Guér.*

C. *Alæ fuscanae.*

a. Abdomen nigrum. - - laterepunctata, *Macq.*

b. Abdomen viride. - - elegans, *Walk.*

D. *Alæ ferrugineæ.* - - horrida, *Walk.*

E. *Alæ fulvæ, areolarum discis sublimpidis.* - dira, *Walk.*

F. *Alæ hyalinæ, postice fuscæ.* - aurifacies, *Macq.*

B. Corpus non metallicolor.

A. *Alæ nigricantes.*

a. *Pedes nigri.*

i. *Alæ dimidiato nigricantes.* - dimidiata, *Macq.*

ii. *Alæ totæ nigricantes.* - chrysotelus, *Walk.*

b. *Pedes mellei.*

i. *Alæ nigræ, dimidio basali flavo.* leucoprocta, *Wied.*

ii. *Alæ nigricantes, dimidio basali sublimpido.*
Java, *Macq.*

iii. *Alæ nigellæ.* - Vulcanus, *Wied.*

B. *Alæ fuscæ.*

a. Abdomen apice pallidum. - crassipes, *Fabr.*

b. Abdomen apice nigrum. - Tucca, *Walk.*

c. *Alæ cinereæ.* - Elva, *Walk.*

d. *Alæ subcinereæ, fasciis duabus subfuscescentibus.*

e. *Alæ flavescentes, margine postico nigello.*
triangularis, *Walk.*

a. Thorax fulvus. - Reinwardtii, *Wied.*

- b.* Thorax niger, aureo tomentosus. - fervens, *Walk.*
F. Alæ fulvæ, marginibus posticis cinereis.
a. Femora nigro vittata. - - - - - sæva, *Walk.*
b. Femora non vittata. - - - - - constricta, *Walk.*
G. Alæ fulvæ, apicibus marginibusque posticis cinereis.
aurigena, *Walk.*
H. Alæ flavescentes.
a. Pedes nigri. - - - - - Bengalensis, *Wied.*
b. Pedes pallidi.
i. Thorax aurato hirtus, vittis nigellis. alternans, *Wied.*
ii. Thorax rufo pubescens. - - - - - luteipennis, *Macq.*
C. Thorax cinereus, vittis nigricantibus. heteroneura, *Macq.*
D. Thorax fulvus, fusco vittatus. - - - - - senomera, *Macq.*
E. Thorax luteus. - - - - - gigas, *Macq.*

Asiatic groups.

Group 1.

Venula discalis et vena externo-media conjunctæ.

Structure of *L. bimaculata*.

Discal veinlet and first externo-medial vein in one line.

Laphria scapularis, *Wied.*

Group 2.

Corpus gracile, pilis setisque paucis. Facies plana. Mystax parce setosus. Proboscis brevis, robusta, recta, lanceolata. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim paullo longior. Pedes setosi, sat graciles.

Body slender, with a few hairs and bristles. Face flat. Mystax with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ elongate-fusiform, rather longer than the first and the second together. Legs bristly, rather slender. Fore fork of the cubital vein slightly undulating; hind fork slightly curved, inclined to the first externo-medial, but at some distance from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial, and joining the fourth very near the border. Subanal united to the anal very near the border.

Laphria Taphius, *Walk.*

Group 3.

Corpus gracile, longiusculum, lineare, subpubescens, parce setosum. Facies apud epistoma convexa. Mystax setis nonnullis longissimis. Proboscis longa, recta, linearis, gracilis. Antennæ longæ; articulus 3us sublinearis, 1o et 2o conjunctim fere duplo longior. Pedes graciles, sat longi, breviter pilosi et subsetosi; tibîæ anticæ intus subciliatæ.

Body slender, linear, rather long, slightly pubescent, with a few bristles. Face convex towards the epistoma. Mystax with several very long and slender bristles. Proboscis long, straight, slender, linear. Antennæ long; third joint very slightly tapering towards each end, nearly twice the length of the first and second together. Legs rather long and slender, somewhat hairy, with a few bristles. Fore fork of the cubital vein hardly undulating; hind fork hardly curved, slightly inclined towards the first externo-medial; first and second externo-medial nearly straight; third forming a very obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal near the border.

Laphria elegans, *Walk.*

Group 4.

Corpus latum, pilis setisque perpaucis. Facies apud epistoma convexa. Mystax setis octo. Proboscis longa, valida, recta. Antennarum articulus 3us longissimus, sublinearis, basi apiceque subattenuatus, 1o et 2o conjunctim duplo longior. Abdomen setis paucis lateralibus. Pedes valde robusti, breviter pilosi, parce setosi.

Body broad, with very few hairs and bristles. Face convex towards the epistoma. Mystax with eight bristles. Proboscis long, stout, straight. Third joint of the antennæ very long, nearly linear, slightly tapering towards each end, about twice the length of the first and the second together. Abdomen with a few bristles along each side. Legs very stout, clothed with short hairs and with a few bristles. Fore branch of the cubital vein hardly undulating; hind branch nearly straight; first and second externo-medial veins straight; third forming a very obtuse angle with the præbrachial, joining the fourth near the border. Subanal joining the anal very near the border.

Laphria vulcanus, *Wied.*; *L. alternans*, *Wied.*; *L. fervens*, *Walk.*

Group 5.

Corpus pilis setisque paucis. Facies apud epistoma valde convexa. Mystax raro pilosus et setosus. Proboscis longa, recta. Antennarum articulus 3us longus, gracilis, linearis, arcuatus, 1o duplo longior. Pedes validi, dense pilosi, parce setosi; femora crassa.

Body with a few hairs and bristles. Face very convex towards the epistoma. Mystax with some hairs and a few bristles. Proboscis long, straight. Third joint of the antennæ long, slender, linear, curved upward, about twice the length of the first. Legs stout, thickly clothed with long hairs and with a few bristles; femora thick. Forks of the cubital vein nearly straight; first and second externo-medial veins straight; third forming an obtuse angle, and joining the fourth rather near the border. Subanal united to the anal on the border.

Laphria Reinwardtii, *Wied.*; *L. sæva*, *Walk.*; *L. constricta*, *Walk.*

Group 6.

Corpus lineare, longiusculum. Caput, thoracis abdominisque latera pedesque dense hirta. Facies apud epistoma convexa. Mystax densissime setosus. Proboscis longa, recta, gracilis, linearis. Pedes validi; femora sat crassa.

Body linear, rather long. Head, sides of the thorax and of the abdomen, and legs very hairy. Face convex towards the epistoma. Mystax very thickly setose. Proboscis long, straight, slender, linear. Legs stout; femora rather thick. Fore fork of the cubital vein nearly straight; hind fork and first externo-medial vein straight and parallel to each other; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal near the border.

Laphria chrysotelus, *Walk.*; *L. horrida*, *Walk.*; *L. dira*, *Walk.*

Group 7.

Corpus latum, valde hirtum et setosum. Facies subconvexa. Mystax dense setosus. Proboscis gracilis, recta, sublinearis. Antennarum articulus 3us ellipticus, 1o paullo brevior. Abdomen longi-obconicum. Pedes robusti, hirsutissimi, setis plurimis crassis instructi; tibiæ posticæ arcuatæ.

Fore fork of the cubital vein undulating; hind fork very slightly curved, united to the first externo-medial very near the border; first and second externo-medial veins nearly straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth at a long distance from the border. Subanal joining the anal very near the border.

Laphria Elva, Walk.

122. LAPHRIA SCAPULARIS.

Fœm. *Nigra*; *nigro hirta*; *maculæ humeralis albæ*; *abdomen chalybeum*; *alæ nigræ*.

Laphria scapularis, Wied. *Auss. Zweifl.* i. 516, 29.

a. Java. From the East India Company's collection.

This species has a remarkable resemblance to the Brazilian *L. bimaculata*, but the following characters will sufficiently distinguish them:—

Laphria bimaculata.

Head clothed beneath with whitish hairs.

Mystax with white and with a few black bristles.

Legs rather thickly clothed with hairs, part of which are whitish; tarsi and fore tibiæ ferruginous beneath.

Discal veinlet and third externo-medial vein apart.

Laphria scapularis.

Head clothed beneath with black hairs.

Mystax wholly composed of black bristles.

Legs wholly and rather thinly clothed with black hairs.

Discal veinlet and third externo-medial vein in one line, as in the genus *Atomosia*.

123. LAPHRIA TAPHIUS.

Laphria Taphius, *Cat. of Diptera*, Pt. 2, 380.

124. LAPHRIA SPECTABILIS.

Viridi nitens; *thorax antice flavo maculatus*; *abdomen cyaneum*; *tibiæ anticæ intus sericeo flavidæ*; *alæ infumate, basi flavidæ*.

Laphria spectabilis, Guér. *Voy. de la Coquille*, Zool. ii. 292.

Laphria splendida, Guér. *Voy. de la Coq. Atlas, Ins.* pl. 20, f. 7.

Amboina.

125. LAPHRIA LATEROPUNCTATA.

Fœm. *Nigra*; *thorax ænescens, lateribus albo maculatis; alæ fuscæ.*

Laphria lateropunctata, Macq. *Dipt. Exot.* i. 2, 66, 9.

China.

126. LAPHRIA ELEGANS.

Æneo-viridis; *caput, pectus thoracis maculæ humerales abdominisque maculæ laterales albo tomentosa; antennæ et proboscis nigrae; pedes purpurei; alæ cinereæ, venis fusco limbatis.*

Bright green, here and there with an æneous tinge. Head, pectus, two humeral spots, and spots along the sides of the abdomen, with shining white tomentum. Antennæ and proboscis black. Legs purple; femora partly green or blue; tarsi black; fore tibiæ fringed with whitish hairs. Wings gray, brownish about the veins. Length of the body 8 lines; of the wings 16 lines.

a. East Indies. From Mr. Stevens' collection.

127. LAPHRIA HORRIDA.

Nigra; *caput aureo tomentosum; thorax vittis duabus lateralibus auratis; abdomen cupreo nigrum; tibiæ anteriores subtus rufescentes; alæ ferrugineæ.*

Black, hairy. Head with gilded tomentum, clothed with gilded hairs above and with brownish hairs beneath. Face very convex. Mystax with gilded bristles and with a few black lower bristles. Proboscis long, lanceolate compressed. Thorax with two gilded stripes. Pectus with a gilded spot on each side. Abdomen cupreous black. Legs with very long hairs; hind tibiæ curved with reddish hairs at the tips; anterior tibiæ reddish beneath and clothed with reddish hairs. Wings and halteres ferruginous, the latter with piceous tips. Length of the body 15 lines; of the wings 28 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

128. LAPHRIA DIRA.

Nigricans; *caput aureo tomentosum; antennæ basi fulvæ; thorax fulvo tomentosus, vittis duabus auratis duabusque nigricantibus; abdomen cupreo-nigrum, segmentis 1o 3um fulvo fasciatis; pedes fulvi, femoribus nigro vittatis; alæ fulvæ, areolarum discis sublimpidis.*

Blackish. Head with gilded tomentum beneath. Face slightly convex. Mystax with tawny bristles. Proboscis black, short, lanceolate rather slender. Antennæ tawny; third joint blackish, nearly linear, slightly tapering towards the tip, about twice the length of the first and second joints together. Thorax with tawny tomentum; two indistinct blackish dorsal stripes, and two broader lateral gilded stripes. Pectus with a pale gilded disk. Abdomen cupreous black; first, second and third segments with tawny bands which are dilated on each side. Legs tawny, hairy, spinose; femora with black stripes, which are broadest on the hind pair; hind tibiæ much curved. Wings tawny; most of the areolets with nearly limpid streaks. Halteres tawny. Length of the body 13 lines; of the wings 24 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

129. LAPHRIA AURIFACIES.

Mas. *Nigra; facies aurea; abdomen violaceum, maculis laterali-
bus flavidis; alæ antice hyalinæ, postice fuscæ.*

Laphria aurifacies, *Macq. Dipt. Exot. Suppl.* 3, 22, 33, pl. 2, f. 5.
Moluccas.

130. LAPHRIA DIMIDIATA.

Mas. *Nigra; thorax vittatus; alæ dimidiato nigræ.*

Laphria dimidiata, *Macq. Dipt. Exot. Suppl.* 1, 72, 23.
Manilla.

131. LAPHRIA CHRYSOTELUS.

*Nigra, nigro hirta; caput, thorax anticus et abdomen apicem ver-
sus aurato hirta; alæ nigricantes.*

Black, thickly clothed with black hairs and bristles. Head thickly clothed with gilded tomentum and hairs, and about the mouth with black hairs. Mystax of gilded hairs. Fore part of the thorax with gilded hairs, which are interrupted by a brownish stripe. Abdomen with gilded hairs near the tip, which is ferruginous. Wings blackish; veins black. Length of the body 12 lines; of the wings 22 lines.

a. East Indies. From Mr. Stevens' collection.

132. LAPHRIA LEUCOPROCTA.

*Nigra; thorax orichalceo pictus; scutellum, abdominis basis ma-
culeque laterales niveo pilosa; pedes mellei; alæ nigræ,
dimidio basali flavo.*

Laphria leucoprocta, *Wied. Auss. Zweifl.* i. 517, 30.

Java.

133. LAPHRIA JAVANA.

Mas. *Nigra*; *facies, humeri et thoracis latera albida*; *abdomen basi album, lateribus albo maculatis*; *pedes flavi, tarsi apice coxisque nigricantibus*; *alæ sublimpidæ, dimidio apicali nigricante*.

Laphria Javana, *Macq. Hist. Nat. Dipt.* i. 282, 10,

Java.

134. LAPHRIA VULCANUS.

Fœm. *Nigra*; *thorax et abdomen aurato-picta*; *pedes mellei*; *alæ nigellæ*.

Laphria Vulcanus, *Wied. Auss. Zweifl.* i. 514, 25.

a. Java. From the East India Company's collection.

135. LAPHRIA CRASSIPES.

Nigra; *frons aurea*; *abdomen apice testaceo rubens*; *femora clavata*; *alæ fuscæ*.

Dioctria crassipes, *Fabr. Syst. Antl.* 152, 16.

Laphria crassipes, *Wied. Dipt. Exot.* i. 240, 16; *Auss. Zweifl.* i. 521, 38.

Sumatra.

136. LAPHRIA TUCCA.

Asilus Tucça, *Cat. of Diptera*, Pt. 2, 437.

137. LAPHRIA ELVA.

Asilus Elva, *Cat. of Diptera*, Pt. 2, 445.

North Bengal.

138. LAPHRIA TRIANGULARIS.

Nigricans, aureo tomentosa; *antennæ basi fulvæ*; *thorax nigro-fusco trivittatus*; *abdomen nigrum, segmentis fulvo fasciatis*; *pedes fulvi*; *alæ subcinereæ, fasciis duabus subfuscescentibus*.

Head and thorax blackish, with gilded tomentum. Head clothed beneath with pale gilded hairs. Face hardly convex. Mystax small, with gilded bristles; some pale gilded hairs between it and the antennæ. Antennæ black; first and second joints tawny. Thorax with three broad confluent blackish brown stripes; the lateral pair shortened in front. Abdomen black, shining; first, second, third and fourth dorsal segments with tawny bands, which

are dilated on each side; fifth segment wholly black; sixth tawny. Legs tawny, with long hairs and bristles; posterior knees black. Wings slightly grayish, with two indistinct pale brownish bands; veins black, tawny at the base. Halteres testaceous. Length of the body 7 lines; of the wings 14 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

139. LAPHRIA REINWARDTII.

Mas. *Fulva; thorax fusco vittatus; abdomen nigrum, fulvo fasciatum; alæ flavæ, margine interno nigellæ.*

Laphria Reinwardtii, Wied.

140. LAPHRIA FERVENS.

Nigra; aureo tomentosa; thorax nigro-fusco trivittatus; abdominis segmenta marginibus posticis ferrugineis; pedes fulvi, femoribus posticis nigro fasciatis; alæ fulvæ, marginibus posticis nigricantibus.

Black. Head and thorax with gilded tomentum. Head thickly clothed beneath with tawny hairs. Mystax thick, reddish tawny. Antennæ black. Thorax with three brownish black stripes; the lateral pair shortened in front and contracted behind. Pectus with pale gilded tomentum, excepting a piceous stripe along each side. Hind borders of the abdominal segments ferruginous. Legs tawny, thickly clothed with long tawny hairs; coxæ black, shining; hind femora with a blackish band, which is interrupted on each side. Wings tawny, blackish along the hind border; veins reddish. Length of the body 11 lines; of the wings 20 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

141. LAPHRIA SÆVA.

Nigricans; caput aureo tomentosum; thorax vittis duabus auratis fusco interrupte interlineatis; abdominis margines fulvi; pedes fulvi; femoribus nigro vittatis; alæ fulvæ, marginibus posticis cinereis.

Blackish. Head with pale gilded tomentum, thickly clothed with long gilded hairs. Face very convex. Mystax thick. Proboscis straight, long, linear, compressed. Thorax with two broad gilded stripes, each containing two large brownish spots. Pectus with a pale gilded disk. Hind borders of the abdominal segments tawny. Legs tawny; femora with black stripes, which are broadest on the hind pair. Wings tawny; hind borders gray. Halteres pale tawny. Length of the body 11 lines; of the wings 18 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

142. LAPHRIA CONSTRICTA.

Nigricans; caput aureo tomentosum; anteunæ fulvæ; thoracis vittæ duæ auratæ maculis quatuor nigricantibus testaceo marginatis variegatæ; abdomen basim versus subcontractum, segmentis 1o et 2o fulvis nigro maculatis, apice fulvo; pedes fulvi, tibiis posticis nigro fasciatis; alæ fulvæ, cinereo marginatæ.

Blackish. Head with pale gilded tomentum and hairs. Face slightly convex. Mystax thick. Proboscis tawny, lanceolate, rather short and slender. Antennæ tawny; third joint fusiform, a little longer than the first and second together. Thorax with two broad gilded stripes, each including two blackish testaceous bordered spots; hind part gilded with a blackish spot on the scutellum and another behind. Abdomen fusiform, somewhat contracted near the base; first and second segments tawny, each with a blackish rhomboidal dorsal spot; tip tawny. Legs tawny; hind knees blackish; hind tibiæ with a blackish band. Wings tawny; hind borders and tip grayish; veins and halteres tawny. Length of the body 8 lines; of the wings 13 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

143. LAPHRIA AURIGENA.

Chærades aurigena, *Diptera Saundersiana*, Pt. 2, 109, pl. 4, f. 8.
Java or Sumatra.

144. LAPHRIA BENGALENSIS.

Mas. *Nigra*; abdominis incisuræ utrinque albidæ; alæ flavescentes.

Laphria Bengalensis, *Wied. Dipt. Exot.* i. 237, 10. *Auss. Zweifl.* i. 512, 22.

Bengal.

145. LAPHRIA ALTERNANS.

Fœm. *Aurato hirta*; thorax vittis nigellis; abdomen nigrum, fasciis aurato hirtis; pedes mellei; alæ flavidæ, apicibus marginibusque posticis cinereis.

Laphria alternans, *Wied. Zweifl.* i. 511, 20.

Var.? *Asilus apicata*, *Cat. of Diptera*, Pt. 2, 436.

a. Java. From the East India Company's collection.

146. LAPHRIA LUTEIPENNIS.

Mas. *Nigra*; antennæ basi fulvæ; thorax rufo pubescens; pedes alæque lutea.

Laphria luteipennis, *Macq. Dipt. Exot. Suppl.* 3, 23, 84, pl. 2, f. 3.
Java.

147. LAPHRIA HETERONEURA.

Mas. *Nigra*; thorax cinereus, nigricante vittatus; abdomen castaneum; pedes rufi; alæ subflavescentes, venæ cubitalis furca postica et vena externo-media 1a ante marginem conjunctis.

Laphria heteroneura, *Macq. Dipt. Exot.* i. 2, 70, 19, pl. 6, f. 3.
Arabia.

148. LAPHRIA SENOMERA.

Mas. *Fulva*; thorax fusco-vittatus; abdomen fuscum, fulvo-fasciatum; alæ flavidæ.

Laphria senomera, *Macq. Dipt. Exot.* i. 2, 6, 5, 8, pl. 6, f. 2.
Bengal.

149. LAPHRIA GIGAS.

Mas. *Nigra*; thorax, pedes alæque lutea; femora posteriora nigra.

Laphria gigas, *Macq. Dipt. Exot.* i. 2, 65, 7.
East Indies.

New Guinea, &c.

Group 1.

Corpus metallicum, parce pilosum et setosum. Facies plana. Mystax setis paucis. Proboscis compressa, recta, linearis. Antennarum articulus 1us 2o multo longior; 3us fusiformis, 1o multo longior. Pedes hirti; femora non crassa; tibiæ posticæ fere rectæ.

Proboscis compressed vertically. Radial vein curved near its tip. Fore fork of the cubital slightly undulating; hind fork and first externo-medial vein nearly straight, hardly inclined towards each other. Third externo-medial curved, forming an obtuse angle with the præbachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal on the border.

Laphria aurifrons, *Walk.*

150. LAPHRIA DOREI.

Fœm. *Thorax fulvus, vitta fusca; abdomen alæque fusca.*

Dasygogon Dorei, Boisduval, Voy. de l'Astrolabe, Atlas Entomol. pl. 12, f. 10.

Laphria Dorei, Macq. Dipt. Exot. i. 2, 67, 10.

151. LAPHRIA IODISOMA.

Fusco-cuprea; abdomen cyaneum; alæ fuscæ.

Laphria iodisoma, Boisduval, Voy. de l'Astrolabe, Atlas, Ent. pl. 12, f. 9.
New Guinea.

152. LAPHRIA CYANEA.

Viridi-cyanea; caput, pectus et humeri nigra, albo tomentosa; frons et facies aureæ; abdominis latera albo maculata; pedes purpureo-cyanei, tarsis nigris; alæ nigrae, basi sublimpidæ.

Laphria cyanea, Macq. Hist. Nat. Dipt. i. 286, 27.

Greenish blue. Head, pectus and humeral spots black, with white tomentum. Front and face gilded and with gilded hairs. Mystax with a few black bristles. Hind borders of the abdominal segments with lateral spots of white tomentum. Legs purplish blue; tarsi black. Wings black, nearly limpid towards the base. Length of the body 6 lines; of the wings 11 lines.

This species much resembles *L. aurifacies*, but differs in the colour of the wings and of the abdominal spots.

New Guinea.

a. Aneiteum, New Hebrides. From the Voyage of H.M.S. Herald.
Collected by J. Macgillivray, Esq.

Australia.

A. Corpus plus minusve metallicolor.

A. Pedes nigri.

a. Abdomen cyaneum. - - - - Tectamus, *Walk.*

b. Abdomen æneum. - - - - splendidissima, *Wied.*

B. Femora fulva. Alæ fuscæ. - - - - rufifemorata, *Macq.*

C. Femora dimidio basali flavo. Alæ limpidæ, fusco variæ.

Telecles, *Walk.*

B. Corpus non metallicolor. - - - - Amaracus, *Walk.*

Group 1.

Caput hirsutissimum. Facies apud epistoma valde convexa.

Mystax setis paucis. Proboscis valida, subarcuata. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim æqualis. Thorax subpubescens; latera subpilosa. Abdomen pubescens, basi pilosum et tomentosum, lateribus subsetosis. Pedes validi, pilosi, setis paucis; tarsi spinosi.

Head very hairy. Face very convex towards the epistoma. *Mystax* with a few bristles. Proboscis stout, slightly curved. Third joint of the antennæ fusiform, as long as the first and second together. Thorax thinly pubescent, slightly hairy on each side. Abdomen pubescent, with a few bristles on each side, hairy and tomentose towards the base. Legs stout, hairy, with a few bristles; tarsi spinose. Fore fork of the cubital vein much curved near the base, slightly curved from thence to the tip; hind fork very slightly curved, joining the first externo-medial vein near the border; first and second externo-medial veins straight; third curved abruptly hindward, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

L. Tectamus, *Walk.*

Group 2.

Caput hirsutissimum. Facies apud epistoma convexa. *Mystax* dense setosus. Proboscis longa, recta. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim multo longior. Thoracis et abdominis latera pilosa. Pedes validi, pilosi, setosi; femora crassa; tibiæ posticæ arcuatæ.

Head very hairy. Face convex towards the epistoma. *Mystax* thickly beset with bristles. Proboscis long, straight. Third joint of the antennæ fusiform, much longer than the first and the second together. Thorax and abdomen hairy on each side. Legs stout, hairy, setose; femora thick; hind tibiæ curved. Fore fork of the cubital vein undulating; hind fork inclined towards, but not united to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth at some little distance from the border. Subanal joining the anal very near the border.

L. Telecles, *Walk.*

Group 3.

Corpus robustum. Caput et thorax setosa. Facies lata, plana, apud epistoma convexa. *Mystax* setis plurimis. Proboscis brevis, valida, recta, lanceolata. Antennarum articulus 3us gracilis, sublinearis, 1o et 2o conjunctim paullo longior. Abdomen obconicum, breviusculum, subpilosum. Pedes validi, setosi, non pilosi; femora tibiis non crassiora.

Body stout. Head and thorax setose. Face broad, flat. Mystax seated on a convex tubercle, beset with numerous bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ slender, nearly linear, rather longer than the first and the second together. Abdomen rather short, tapering from the base to the tip, thinly clothed with hairs. Legs, stout, bristly, not hairy; femora not thicker than the tibiæ. Fore fork of the cubital vein curved forward; hind fork almost straight, slightly inclined to the first externo-medial, but at some distance from it on the border; first externo-medial nearly straight; second slightly curved; third forming a very obtuse angle with the præbrachial, inclined towards the fourth, but remote from it on the border. Subanal very near the anal on the border.

L. Amaracns, *Walk.*

153. LAPHRIA TECTAMUS.

Laphria Tectamus, *Cat. of Diptera*, Pt. 2, 374.

New Holland.

154. LAPHRIA SPLENDIDISSIMA.

Obscure ænea; antennæ et pedes nigra; abdomen splendidissime æneum, fasciis linearibus luteis; alæ fuscescentes.

Laphria splendidissima, *Wied. Auss. Zweifl.* ii. 645, 64.

New Holland.

155. LAPHRIA RUFIFEMORATA.

Fœm. *Nigra; abdomen cyaneum; femora fulva; alæ fuscæ.*

Laphria rufifemorata, *Macq. Dipt. Exot. Suppl.* 1, 73, 24, pl. 7, f. 16.

Tasmania.

156. LAPHRIA TELEECLES.

Laphria Telecles, *Cat. of Diptera*, Pt. 2, 376.

New Holland.

157. LAPHRIA AMARACUS.

Laphria Amaracus, *Cat. of Diptera*, Pt. 2, 380.

New Holland.

Country unknown.

A. Alæ nigræ, ant fusco-nigræ.

A. Corpus submetallico nigrum. - - melanoptera, *Wied.*

- B.* Corpus scoriaceo nigrum. - - - - robusta, *Wied.*
C. Abdomen testaceum. - - - - bicolor, *Wied.*
D. Thorax apice et abdomen basi flava. nigripennis, *Wied.*
B. Alæ fuscæ. - - - - bicolor, *Macq.*
C. Alæ subfusæ, postice sublimpidæ. - - Tidius, *Walk.*
D. Alæ medio fuscæ. - - - - leucospila, *Wied.*
E. Alæ flavæ, macula violacea. - - - - notabilis, *Macq.*
F. Alæ flavæ, apice fuscæ. - - - - flavipennis, *Macq.*
G. Alæ flavæ.
A. Pedes nigri.
A. Abdomen totum nigrum. - - - - senopeza, *Macq.*
B. Abdomen apice testaceum. - - - - gracilis, *Macq.*
B. Pedes rubidi. - - - - xanthoptera, *Wied.*
H. Alæ apud apices flavidæ. - - - - hirsuta, *Wied.*
I. Alæ cinereæ. - - - - picipes, *Walk.*
J. Alæ limpidæ, apice fuscæ. - - chrysocosmia, *Wied.*
K. Alæ albæ. - - - - Alebas, *Walk.*

Group 1.

Corpus latissimum, densissime pilosum, non setosum. Facies convexa, densissime hirta. Proboscis latissima, recta, linearis. Antennarum articulus 3us subfusiformis, 1o et 2o conjunctim multo longior. Pedes robusti, valde pilosi; femora crassa.

Body very broad, very thickly clothed with short hairs, not setose. Face convex, thickly covered with hairs, which form the mystax. Proboscis linear, straight, very broad. Third joint of the antennæ very much longer than the first and the second together, slightly increasing in breadth from the base to three-fourths of the length, whence it tapers to the tip. Legs hairy, very stout; femora thick. Fore fork of the cubital vein very slightly undulating; hind fork and first externo-medial vein nearly straight, parallel to each other; second externo-medial straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Laphria Tidius, *Walk.*

Group 2.

Laphria tergissæ structura.

Structure of *L. tergissa* and of the other species in the second American group.

Laphria Alebas, *Walk.*

Group 3.

Laphria rufibarbis structura.

Structure of *L. rufibarbis* and of the other species in the first African group.

158. LAPHRIA MELANOPTERA.

Mas. *Submetallico hirta*; *mystax et barba alba*; *alæ nigræ*.

Laphria melanoptera, *Wied. Auss. Zweifl. i. 514, 26.*

159. LAPHRIA ROBUSTA.

Mas. *Scoriaceo-nigra*; *caput et tibiæ anticæ subtus albo hirta*; *alæ nigræ*.

Laphria robusta, *Wied. Auss. Zweifl. i. 500, 2.*

160. LAPHRIA BICOLOR.

Fœm. *Nigra*; *abdomen testaceum*; *alæ fusco-nigræ*; *halteres flavi*.

Laphria bicolor, *Wied. Auss. Zweifl. i. 522, 40.*

161. LAPHRIA NIGRIPENNIS.

Nigra; *thorax apice et abdomen basi flava*; *alæ nigræ*.

Laphria nigripennis, *Wied. Auss. Zweifl. ii. 646, 66.*

162. LAPHRIA BICOLOR (nomen bis lectum).

Mas. *Nigra*; *caput, thorax et pedes antici flavo pilosa*; *abdomen et pedes postici nigro pilosa*; *tibiæ posticæ supra basi flavo pilosa*; *alæ fuscescentes*.

Laphria bicolor, *Macq. Hist. Nat. Dipt. i. 283, 14.*

163. LAPHRIA TIDIUS.

Laphria Tadius, *Cat. of Diptera, Pt. 2, 384.*

164. LAPHRIA LEUCOSPILA.

Fœm. *Nigra*; *abdomen utrinque maculis quatuor transversis albis*; *alæ medio fuscæ*.

Laphria leucospila, *Wied. Auss. Zweifl. i. 524, 44.*

165. LAPHRIA NOTABILIS.

Mas. *Fulva*; *alæ flavæ, macula violacea.*

Laphria notabilis, *Macq. Dipt. Exot. i. 2, 71, 20.*

166. LAPHRIA FLAVIPENNIS.

Mas. *Atra*; *thorax flavescente tomentosus*; *abdomen cinereo micans, incisuris flavidis*; *tibiæ fulvæ*; *alæ flavæ, apice fusca.*

Laphria flavipennis, *Macq. Dipt. Exot. i. 2, 71, 21.*

167. LAPHRIA SENOPEZA.

Mas. *Nigra*; *barba mystaxque flavida*; *alæ flavidæ, areola 1a postica angustata.*

Laphria senopeza, *Macq. Dipt. Exot. i. 2, 70, 19.*

168. LAPHRIA GRACILIS.

Mas. *Gracilis, nigra*; *abdomen apice testaceum*; *alæ flavescentes.*

Laphria gracilis, *Macq. Dipt. Exot. i. 2, 70, 22.*

169. LAPHRIA XANTHOPTERA.

Nigra; *antennæ elongatæ*; *pedes rubidi*; *alæ flavæ.*

Laphria xanthoptera, *Wied. Auss. Zweifl. i. 530, 54.*

170. LAPHRIA HIRSUTA.

Mas. *Scoriaceo-nigra, albo hirta*; *abdomen utrinque maculis trigonis albis*; *alæ apud apicis flavidæ.*

Laphria hirsuta, *Wied. Auss. Zweifl. i. 519, 19.*

171. LAPHRIA PICIPES.

Obscure cuprea, nigro hirta; *caput subtus testaceo pilosum*; *facies aureo pubescens*; *mystax nigro setosus*; *antennæ nigrae*; *abdomen incisuris utrinque albis, apice piceo*; *pedes picei, tibiis tarsisque anticis subtus aureo tomentosis*; *alæ cinereæ.*

Dark cupreous, clothed with short black hairs. Head beneath with pale testaceous hairs. Face with gilded down. Mystax with black bristles. Proboscis and antennæ black. Abdomen cupreous; hind borders of the segments white on each side; tip piceous. Legs piceous, very hairy; fore tibiæ and fore tarsi beneath with

gilded down. Wings gray; veins black. Halteres testaceous. Length of the body 5 lines; of the wings 8 lines.

a. ———? From Mr. Children's collection.

172. LAPHRIA CHRYSOCOSMIA.

Mas. *Nigra*; *facies et mystax alba*; *abdomen apice aurato hirtum*; *alæ limpidae, apice fuscanae*.

Laphria chrysocosmia, *Wied. Auss. Zweifl.* i. 523, 42.

173. LAPHRIA ALEBAS.

Laphria Alebas, *Cat. of Diptera*, Pt. 2, 384.

Genus 5. SCANDON.

Corpus fere nudum. *Mystax* dense setosus. *Antennarum articulus* 2us 1o vix brevior; 3us subfusiformis, 1o et 2o conjunctim fere duplo longior. *Abdomen feminae* longi-obconicum, apice spinis armatum.

Scandon, *Diptera Saundersiana*, Pt. 2, 108.

Forks of the cubital vein nearly straight, the hind fork and the first externo-medial vein slightly converging; second externo-medial straight; third forming an obtuse angle with the præbrachial, much inclined towards the fourth, but at some little distance from it on the border. Subanal joining the anal on the border.

1. SCANDON COMPACTUS.

Scandon compactus, *Diptera Saundersiana*, Pt. 2, 108, pl. 4, f. 7.

New South Wales.

Genus 6. NUSA.

Corpus longiusculum, pilosum. *Mystax* setis nonnullis. *Antennarum articulus* 1us 2o longior; 3us subclavatus 1o paullo longior et multo latior. *Pedes* pilosi; femora gracilia; tibiæ subarcuatæ.

Nusa, *Diptera Saundersiana*, Pt. 2, 105.

Fore fork of the cubital vein slightly undulating; hind fork united to the first externo-medial vein at some distance from the border; second externo-medial straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal at some distance from the border.

1. NUSA ÆQUALIS.

Nusa æqualis, *Diptera Saundersiana*, Pt. 2, 105.
East Indies.

2. NUSA FORMIO.

Nusa Formio, *Diptera Saundersiana*, Pt. 2, 106.
East Indies.

Genus 7. AMPYX.

Corpus gracile, nitens, raro pubescens. Mystax breviter pilosus. Proboscis lanceolata, porrecta. Antennarum articulus 3us latus, ovatus, 1o et 2o conjunctim brevior. Pedes longi, graciles, et parce setosi; tibiæ posticæ clavatæ; tarsi postici dilatati.

Body slender, shining, thinly covered with down. Face slightly convex towards the epistoma. Mystax with some short hairs. Proboscis porrect, lanceolate. Third joint of the antennæ broad, oval, not so long as the first and the second together. Legs long, slender, with a few bristles, which are longest on the tibiæ; hind tibiæ clavate; hind tarsi incrassated. Wings rather long and narrow. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, almost parallel to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth very near the border. Subanal joining the anal on the border.

Megapoda crassitarsis and *M. cyaneiventris*, *Macq.* may belong to this genus.

1. AMPYX VARIPENNIS.

Niger; antennarum articulus 3us et pedes rufi; tibiæ apice tarsi-que nigra; alæ limpidæ, apud medium fuscescentes.

Black, shining. Third joint of the antennæ and legs red. Tarsi and tips of the tibiæ black. Wings limpid, with two brownish bands, one before the middle darker than the other, which is beyond the middle; veins black. Length of the body 11 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Genus 8. LAPHYSTIA.

Antennarum arista terminalis distincta, biarticulata, obtusa. Alarum venæ longitudinales 1a et 2a in ipso margine contiguæ.

Laphystia, *Loew, Linn. Ent. ii. 538.*

1. LAPHYSTIA SABULICOLA.

Mas et Fœm. *Nigra*; *barba omnis abdominisque maculæ laterales albidæ*; *alæ subcinereæ*.

Laphystia sabulicola, *Loew, Linn. Ent. ii. 538.*

South Coast of Asia Minor.

Genus 9. RHOPALOGASTER.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, valde elongatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen petiolatum. Oviductus brevis. Alarum venæ cubitalis furca antica simplex.

Rhopalogaster, *Macq. Hist. Nat. Dipt. i. 279.*

Laphria, p., *Wied.*

1. RHOPALOGASTER LONGICORNIS.

Mas. *Nigra*; *vibrissæ auratæ*; *antennæ elongatæ*; *abdomen gracillimum*, *basi nigrum*; *alæ fuscæ*.

Laphria longicornis, *Wied. Auss. Zweifl. i. 519, 35.*

Rhopalogaster longicornis, *Macq. Hist. Nat. Dipt. i. 279, 1.*

Brazil.

Genus 10. MICHOTAMIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, mediocres, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen petiolatum. Oviductus brevis. Alarum venæ cubitalis furca antica simplex.

Fore fork of the cubital vein slightly undulating; hind fork and first externo-medial vein nearly straight, hardly converging towards each other; second externo-medial almost straight; third forming a nearly right angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal on the border. Third externo-medial areolet petiolated at the base, and not connected with the pabrachial.

Michotamia, *Macq. Dipt. Exot. i. 2, 72.*

1. MICHOTAMIA ANALIS.

Mas. *Nigra*; *antennæ basi testaceæ*; *abdomen ferrugineum*, *apice nigrum*; *pedes testacei*; *alæ fusco-flavæ*.

Michotamia analis, *Macq. Dipt. Exot. i. 2, 72, 1, pl. 6, f. 6.*

Bengal. Java.

Genus 11. ATOMOSIA.

Corpus sæpissime punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Oviductus brevis. Alarum venæ cubitalis furca antica simplex; venæ transversæ posteriores lineam unam omnino aut fere fingentes.

Atomosia, *Macq. Dipt. Exot.* i. 2, 73.

Laphria, p., *Wied.*

Fore fork of the cubital vein undulating, much curved near the base; hind fork more or less curved, inclined towards the first externo-medial vein, but at some distance from it on the border; second externo-medial straight; third forming a right angle with the præbrachial, in a line with the discal areolet, joining the fourth at a long distance from the border. Subanal joining the anal very near the border.

North America.

- A. Pedes nigri, tibiis testaceis. - - - pusilla, *Macq.*
 B. Pedes pallidi.
 A. Abdomen rufo marginatum. - - - macrocera, *Say.*
 B. Abdomen non marginatum. - - - rufipes, *Macq.*

1. ATOMOSIA PUSILLA.

Viridi-nigra; tibiæ testacæ; alæ subhyalinæ.

Atomosia pusilla, *Macq. Dipt. Exot.* i. 2, 76, 6.

North America.

2. ATOMOSIA MACROCERA.

Fœm. *Nigra, niveo pubescens; abdomen rubro marginatum; pedes rubri; alæ cinereæ.*

Laphria macrocera, *Say, Journ. Acad. Philad.* iii. 73, 3. *Wied. Auss. Zweifl.* i. 531, 57.

Pennsylvania.

3. ATOMOSIA RUFIPES.

Fœm. *Nigra; abdominis incisuræ albæ; pedes fulvi, tibiis posticis apice nigris; alæ basi subflavescentes.*

Atomosia rufipes, *Macq. Dipt. Exot.* i. 2, 39, 9.

Philadelphia.

West Indies.

4. ATOMOSIA TIBIALIS.

Mas. *Nigra*; femora basi, genua tibiæque fulva; alæ hyalinæ.
Atomosia tibialis, Macq. *Dipt. Exot. Suppl.* 1, 76, 6.
 Merida, Yucatan. West Indies.

5. ATOMOSIA INCISURALIS.

Fœm. *Nigra*; abdominis incisuræ albidæ; tibiæ fuscæ; alæ subcinereæ.
Atomosia incisuralis, Macq. *Dipt. Exot.* i. 2, 76, 4, pl. 7, f. 1.
 Cuba.

South America.

A. Alæ unicolores.

A. Thorax niger.

A. Femora non annulata.

a. Venæ cubitalis furca antica simplex.

i. Abdomen nigrum.

* Alæ hyalinæ aut subhyalinæ.

† Pedes non hirti.

‡ Pedes nigri; genua rufa.

§ Alæ hyalinæ. - - brevicornis, Macq.

§§ Alæ subcinereæ. - - geniculata, Wied.

‡‡ Pedes anteriores flavi. - - antica, Wied.

†† Pedes ciliati. - - dasypus, Wied.

** Alæ subflavescentes. - - pleuritica, Wied.

*** Alæ infumata.

† Pedes toti nigri. - - pusilla, Wied.

†† Tibiæ flavæ. - - scoriacea, Wied.

ii. Abdomen submetallicum.

* Alæ subhyalinæ. - - unicolor, Macq.

** Alæ infumata. - - minuta, Wied.

b. Venæ cubitalis furca antica ramulum rejiciens.

appendiculata, Macq.

B. Femora postica flavo annulata. - annulipes, Macq.

B. Thorax æneus. - - nigroænea, Walk.

B. Alæ basi hyalinæ apice nigræ.

A. Thorax niger. - - nigripes, Macq.

B. Thorax cupreus. - - dispar, Walk.

6. ATOMOSIA BREVICORNIS.

Fœm. *Nigra*; *mystax niger*; *antennæ breves*; *abdominis incisuræ albæ*; *genua rufa*; *alæ hyalinæ*.

Atomosia brevicornis, *Macq. Dipt. Exot. i. 2, 76, 5.*

Brazil.

7. ATOMOSIA GENICULATA.

Nigra; *abdominis incisuræ albæ*; *genua rubida*; *alæ subcinereæ*; *halteres rufescentes*.

Laphria geniculata, *Wied. Dipt. Exot. i. 241, 19*; *Auss. Zweifl. i. 528, 51.*

Brazil.

8. ATOMOSIA ANTICA.

Nigra; *pedes anteriores flavi*; *alæ limpidæ*.

Laphria antica, *Wied. Auss. Zweifl. i. 5, 30, 55.*

Brazil.

9. ATOMOSIA DASYPUS.

Fœm. *Nigra*; *abdominis incisuræ albæ*; *pedes posteriores nigro ciliati*; *alæ limpidissimæ*.

Laphria dasypus, *Wied. Auss. Zweifl. i. 527, 48.*

a. Santarem, Brazil. From Mr. Bates' collection.

10. ATOMOSIA PLEURITICA.

Fœm. *Nigra*; *antennarum articulus 3us haud clavatus*; *pleuræ et pedes mellea*; *alæ subflavescentes*.

Laphria pleuritica, *Wied. Auss. Zweifl. i. 257, 49.*

Brazil.

Var. β .? *Tibiæ posticæ apice nigrae*.

a. Santarem, Brazil. From Mr. Bates' collection.

11. ATOMOSIA PUSILLA.

Fœm. *Nigra*; *humeri et genua rubida*; *alæ infumatae*.

Laphria pusilla, *Wied. Auss. Zweifl. i. 532, 59.*

Brazil.

12. ATOMOSIA SCORIIACEA.

Scoriaceo-nigra ; *tibiæ flavæ* ; *alæ infumatæ*.

Laphria scoriacea, *Wied. Auss. Zweifl. i. 529, 53.*

Brazil.

13. ATOMOSIA UNICOLOR.

Fœm. *Nigra* ; *abdomen cyaneo-nigrum* ; *pedes nigro-fusci, albo hirti* ; *alæ subhyalinæ*.

Atomosia unicolor, *Macq. Dipt. Exot. i. 2, 75, 3, pl. 7. f. 2, 3.*

Allied to *Laphria puella*, *Wied.*

Brazil.

14. ATOMOSIA MINUTA.

Fœm. *Nigra* ; *abdomen submetallicum nitens* ; *alæ infumatæ*.

Laphria minuta, *Wied. Auss. Zweifl. i. 530, 56.*

Brazil.

15. ATOMOSIA APPENDICULATA.

Fœm. *Nigra* ; *abdominis incisuræ albæ* ; *alæ hyalinæ* ; *venæ cubitalis furca antica ramulum rejiciens*.

Atomosia appendiculata, *Macq. Dipt. Exot. Suppl. 1, 76, 7, pl. 8, f. 1.*

Cayenne.

16. ATOMOSIA ANNULIPES.

Nigra ; *thorax flavo tomentosus* ; *abdomen cyaneo-nigrum* ; *femora postica flavo annulata*.

Atomosia annulipes, *Macq. Dipt. Exot. i. 2, 74, 1.*

Brazil.

17. ATOMOSIA NIGRÆNEA.

Atomosia nigroænea, *Diptera Saundersiana, Pt. 2, 154.*

Colombia.

18. ATOMOSIA NIGRIPES.

Fœm. *Nigra* ; *alæ basi hyalinæ, apice nigræ*.

Atomosia nigripes, *Macq. Dipt. Exot. i. 2, 74, 2.*

Brazil.

19. *ATOMOSIA DISPAR.*

Purpureo-cuprea; *facies, pectus et tibiæ anteriores argenteo tomentosa*; *abdomen et pedes nigra*; *tibiæ anteriores setis longis*; *femora postica subtus spinosa*; *alæ nigro-cinereæ, basi limpidæ.*

Dark purplish cupreous. Thorax and hind part of the head with a few black bristles. Face, pectus and anterior tibiæ with silvery white tomentum. Mystax with a few white bristles. Abdomen dull black, tapering from the base to the tip, narrower than the thorax and more than twice its length. Legs black, hardly hairy; anterior tibiæ with long bristles; hind femora spinose beneath towards the tips. Wings blackish gray, limpid for more than one-third of the length from the base, and with some limpid marks near the base; veins black. Halteres white. Length of the body 5 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Asia.

20. *ATOMOSIA PURPURATA.*

Purpurea, punctatissima; *alæ fusco-hyalinæ*; *pedes rufi, tibiæ apicibus tarsisque nigris.*

Atomosia purpurata, *Westw. Trans. Ent. Soc. Lond. v. 233, pl. 23, f. 5.*

East Indies.

Country unknown.

21. *ATOMOSIA PUELLA.*

Fæm. Nigra; *facies, mystax, vibrissæ et barba alba*; *genua rubida*; *alæ limpidæ.*

Laphria puella, *Wied. Auss. Zweifl. i. 531, 58.*

Genus 12. *CORMANSIS.*

Atomosiæ similis, at *alarum venula discalis et vena externo-media 3a non conjunctæ.*

Cormansis, Diptera Saundersiana, Pt. 2, 154.

1. *CORMANSIS HALICTIDES.*

Cormansis Halictides, Diptera Saundersiana, Pt. 2, 154.

East Indies.

Genus 13. LAXENECERA.

Caput mystace conspicua. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us villosus, obtusus. Oviductus brevis. Venæ cubitalis furca antica simplex.

Laxenecera, *Macq. Dipt. Exot. i. 2, 77.*

Laphria p.? *Wied.*

Fore fork of the cubital vein slightly undulating, hind fork united to the first externo-medial vein at a long distance from the border; second externo-medial vein straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal united to the anal near the border.

Africa.

- A. Tibiæ anticæ fulvæ. - - - - andrenoides, *Macq.*
 B. Tibiæ anticæ nigræ.
 A. Thorax fulvo hirtus. - - - - apiformis, *Walk.*
 B. Thorax albo hirtus. - - - - nigro-cuprea, *Walk.*

Africa.

1. LAXENECERA ANDRENOIDES.

Fœm. *Nigra, flavido hirta; tibiæ anticæ fulvæ; alæ subflavescentes.*

Laxenecera andrenoides, *Macq. Dipt. Exot. Suppl. 1, 76, 3, pl. 8, f. 2.*

Caffraria.

2. LAXENECERA APIFORMIS.

Nigra; thorax fulvo hirtus; abdomen obscure cupreum, fasciis albidis; alæ subcinereæ, apice obscuriores, venis basi et apud costam halteribusque fulvis.

Black. Head and legs thickly clothed with long whitish testaceous hairs, some of which form the mystax. Thorax with tawny tomentum and hairs. Abdomen dark cupreous; hind borders of the segments with whitish bands. Wings grayish, rather darker towards the tips; veins black, tawny at the base and along the costa. Halteres tawny. Length of the body 6 lines; of the wings 10 lines.

a. Port Natal. From Mr. Plant's collection.

3. LAXENECERA NIGRO-CUPREA.

Nigro-cuprea, albo pilosa; abdomen fasciis interruptis albo tomentosis; alæ subcinereæ; halteres fulvi.

Blackish cupreous. Head black, clothed with whitish hairs, and on the hinder part with some black hairs. Face with black hairs. Mystax with slender white bristles. Proboscis, antennæ and legs black. Thorax with whitish hairs; a few black bristles on each side. Hind borders of the abdominal segments with interrupted bands of white down. Legs with whitish hairs and with a few short black bristles; tarsi beneath with gilded tomentum. Wings slightly grayish; veins black, tawny at the base and along the costa. Halteres tawny. Length of the body 7 lines; of the wings 12 lines.

a. Port Natal. From Mr. Plant's collection.

East Indies.

4. LAXENECERA ALBIBARBIS.

Nigra; barba alba; mystax maris niger, fœm. albus; abdominis segmenta albo fasciata; tibiæ flavicantes; alæ flavescentes.

Laxenecera albibarbis, *Macq. Dipt. Exot. i. 2, 78, 2, pl. 7, f. 4.*
Acurana sexfasciata? Diptera Saundersiana, Pt. 2, 107.

Bengal.

a. East Indies. From Mr. Saunders' collection.

5. LAXENECERA FLAVIBARBIS.

Nigra; barba flava; mystax maris niger, fœm. flavus; abdominis segmenta flavo fasciata; tibiæ fuscæ, albido hirtæ; alæ hyalinæ, basi flavescentes.

Laxenecera flavibarbis, *Macq. Dipt. Exot. i. 2, 77, 1.*

Laphria hirticornis? Guér. Icon. Règne Anim. Ins. pl. 94, f. 1.
Texte, iii. 536.

Bengal.

Laphria Bengalensis, *Wied.* may belong to this genus.

Genus 14. TAPINOCERA.

Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione infima; articulus 3us obtusus. Oviductus brevis, venæ cubitalis furca antica simplex.

Tapinocera, *Macq. Dipt. Exot. i. 2, 78.*

Laphria, p., *Wied.*

I. TAPINOCERA BREVICORNIS.

Mas. *Nigra, albo picta; pedes nigro-fusci, tibiis flavescens; alæ limpidissimæ.*

Laphria brevicornis, Wied. Auss. Zweifl. ii. Suppl. 646, 67.

Tapinocera brevicornis, Macq. Dipt. Exot. i. 2, 79, pl. 6, f. 5.

New Holland.

Genus 15. PHONEUS.

Caput mystace conspicuo. Proboscis porrecta. Antennæ tri-articulatæ, non stylatæ; articulus 3us obtusus. Oviductus elongatus. Alarum venæ cubitalis furca antica ramulum rejiciens.

Phoneus, Serv. Macq. Dipt. Exot. i. 2, 79.

Fore fork of the cubital vein slightly curved, angular and emitting a branch near its base; hind fork and first externo-medial vein converging towards each other at some little distance apart on the border; second externo-medial nearly straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth at a long distance from the border. Subanal joining the anal near the border.

I. PHONEUS SERVILLEI.

Facies alba; mystax niger; thorax fusco trifasciatus; abdomen testaceum; pedes nigri; alæ flavicantes, venis fusco limbatis.

Phoneus Servillei, Macq. Dipt. Exot. i. 2, 79, 1, pl. 7, f. 5.

Brazil.

Sub-family 4. ASILITES.

Ocelli tres. Antennæ 3-articulatæ; arista elongata. Alarum vena radialis subcostali ad apicem sæpissime connexa.

Asilitæ, Macq.

A. Corpus depressum, latissimum. Abdomen ciliatum.

1. *Craspedia.*

B. Corpus non depressum, nec latum, nec ciliatum.

A. Alarum vena radialis furcata; cubitalis simplex.

a. Antennarum articulus 3us elongatus. - 2. *Mallophora.*

- B. Antennarum articulus 3us brevis. - - - 3. *Trupanea*.
B. Alarum vena cubitalis furcata; radialis simplex.
C. Alarum vena radialis subcostali ad apicem connexa.
a. Facies valde prominens. - - - 4. *Erax*.
b. Facies plana aut paullo prominens.
 i. Oviductus cornea spinularum armatus.
 * Facies plana. - - - 5. *Apoclea*.
 ** Facies paullo prominens. - - 6. *Proctacanthus*.
 ii. Oviductus spinulis nullis.
 * Facies paullo prominens.
 † Antennarum arista mediocris.
 ‡ Arista simplex.
 § Sexualia exserta.
 || Arista gracilis. - - - 7. *Asilus*.
 ||| Arista crassa. - - - 8. *Polyphonus*.
 §§ Sexualia occulta. - - - 9. *Atractia*.
 †† Arista subtus ciliata. - - - 10. *Ommatius*.
 †† Antennarum arista longissima, apice spatulata.
 11. *Lecania*.
 ** Facies plana. - - - 12. *Sen oprosopus*.
B. Alarum vena radialis costali ad apicem connexa.
a. *Onychia distincta*.
 i. *Corpus breve*. - - - 13. *Damalis*.
 ii. *Corpus attenuatum*. - - - 14. *Pheneus*.
b. *Onychia nulla*. - - - 15. *Leptogaster*.

Genus 1. CRASPEDIA.

Corpus latissimum. Facies valde convexa. *Mystax* dense setosus. Proboscis longa, recta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longilanceolatus, arista brevissima, 1o fere quadruplo longior. Abdominis latera fasciculis ciliata. Femora tibiæque subtus spinosa.

Craspedia, *Macq. Dipt. Exot.* i. 2, 83.

Asilus, p., *Wied.*

Blepharotes, *West.*

Radial vein joining the subcostal at a long distance from the tip of the latter. Fore fork of the cubital vein very slightly curved; hind fork much curved, forming, with the fore fork, a subfusiform areolet. First externo-medial vein curved; second straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very far from the border.

1. CRASPEDIA CORIARIA.

Nigra; *mystax albidus*; *abdomen rufum, nigro ciliatum*; *alæ fusæ*.

Asilus coriarius, *Wied.*

a—d. Melbourne, Australia. From Mr. Baly's collection.

2. CRASPEDIA AUDOUINII.

Nigra; *mystax aureus*; *abdomen cæruleo-nigrum*; *alæ nigro-fusæ, venis posticis flavo marginatis*.

Craspedia Audouinii, *Macq.*

Australia.

Genus 2. MALLOPHORA.

Corpus non depressum, nec ciliatum. Antennarum articulus 3us lanceolatus, arista longissima. Alæ venis externo-mediis quinque.

Mallophora, *Serville*. *Macq. Hist. Nat. Dipt. Loew, Linn. Ent.* iii. 390, 1.

Asilus, p., *Wied.*; *Perty*.

Dasypogon, p., *Fabr.*

Mediastinal vein ending at much beyond half the length of the wing. Subcostal connected with the fore fork of the radial near the tip of the wing. Forks of the radial very long; hind fork curved forward, joining the costal at a little in front of the tip of the wing, very near the cubital, and connected with it by a transverse veinlet, from whence a spurious vein proceeds to the border. First externo-medial slightly curved and parallel to the cubital in its apical part, connected with the cubital before the middle of the discal areolet by a transverse veinlet, from whence proceeds a second spurious vein, while a third proceeds from the veinlet which connects the first and second externo-medial veins and terminates the discal areolet. Third externo-medial very slightly curved, forming a nearly right angle with the præbrachial, joining the fourth at a long distance from the border. Subanal connected with the anal at some distance from the border. The wing-veins of this genus indicate that its flight is more powerful than that of other *Asilites*, and accord with its robust structure. In *M. heteroptera* and in *M. singularis* the cubital and the first externo-medial veins are united near the border, and in the latter species the third externo-medial forms an obtuse angle with the præbrachial, and joins the fourth at a very long distance from the border.

In this genus, of which *Trupanea* is a subgenus or group, the veins of the wings differ much in structure from those of the other *Asilites* and of the *Dasypogonites* and *Laphrites*. The veins are equal in number to those of the other Asilidæ, but the radial vein is forked at more or less before half its length, and the cubital is simple.

North America.

- A. Alæ nigro-fuscæ. - - - - - ardens, *Macq.*
 B. Alæ fuscæ.
 A. Corpus pilis pallidis. - - - - - analis, *Macq.*
 B. Corpus pilis ex parte nigris. - - - - - orcina, *Wied.*
 C. Alæ flavescentes.
 A. Tibiæ nigræ. - - - - - bomboides, *Hoffm.*
 B. Tibiæ fulvæ. - - - - - heteroptera, *Macq.*
 D. Alæ hyalinæ, extus obscuræ. - - - - - minuta, *Macq.*

1. MALLOPHORA ARDENS.

Mas. *Atra*; thorax rubro hirsutus; abdomen basi flavum, apice nigrum; alæ nigro-fuscæ, violaceo nitentes.

Mallophora ardens, *Macq. Hist. Nat. Dipt.* i. 302, 4; *Dipt. Exot.* i. 289, 12, pl. 8, f. 2.

United States.

2. MALLOPHORA ANALIS.

Nigra; alæ fuscæ. Mas.—*Rufo pilosus*. Fœm.—*Flavo pilosus*.

Mallophora analis, *Macq. Dipt. Exot. Suppl.* 1, 78, 20.

Texas.

3. MALLOPHORA ORCINA.

Fœm. *Nigra, nigro hirta*; thorax apice, scutellum et abdomen basi sulphureo hirta; alæ cinereo-fuscæ.

Asilus orcina, *Wied. Auss. Zweifl.* i. 477, 79.

United States.

4. MALLOPHORA BOMBOIDES.

Atra; caput, pleuri, scutellum et abdomen basi apiceque alba, aut cinerea, aut flava.

Asilus bomboides, *Hoffm.*; *Wied.*

Georgia.

5. MALLOPHORA HETEROPTERA.

Fœm. *Atra; thorax et abdomen flavo hirsuta; tibiæ fulvæ; alæ flavescentes, ad costam subfuscæ, venis externo-mediis 1a et 2a ante alæ marginem conjunctis.*

Mallophora heteroptera, *Macq. Dipt. Exot. i. 2, 90, 13, pl. 8, f. 3.*
Philadelphia.

6. MALLOPHORA MINUTA.

Nigra; mystax albidus; thorax flavo pilosus, disco nigro; abdominis segmenta albo marginata; pedes flavo pilosi, tibiis basi flavis; alæ hyalinæ, extus obscuræ.

Mallophora minuta, *Macq. Hist. Nat. Dipt. i. 302, 5.*
Philadelphia.

West Indies.

7. MALLOPHORA SCOPIFERA.

Mas. *Nigra; scutellum flavum; abdomen flavo pilosum, ano nigro; pedes castanei, tarsis posticis nigro hirsutissimis; alæ rufescentes.*

Mallophora scopifera, *Macq. Dipt. Exot. i. 2, 89, 10.*
Cuba.

Asilus scopifer? *Wied. Auss. Zweifl. i. 478, 83.*

Ochracea; antennæ fulvæ, articulo 3o nigro; thorax vittis obsoletissimis nigris; abdomen nigrum, albo pilosum; pedes castaneo fuscis, tibiis posticis basi albis; alæ flavescentes.

Brazil.

South America.

A. Abdomen non metallicum.

A. Alæ nigro-fuscæ. - - - - Freycineti, *Macq.*

a. Corpus totum nigro hirtum.

a. Tibiæ tarsique anteriora nigra. - *Xylocopides, Walk.*

b. Tibiæ tarsique anteriora rufa. - - *contraria, Walk.*

b. Corpus ex parte ferrugineo hirtum.

a. Scutellum fulvo hirtum. - - *infernalis, Wied.*

b. Scutellum nigro hirtum. - - *Minos, Wied.*

B. Alæ fuscæ, basi et ad costam nigræ. - - *albifrons, Walk.*

C. Alæ fuscæ.

A. Thorax niger.

a. Pedes toti nigro hirti.

- i. Thorax totus nigro hirtus. - - Pluto, *Wied.*
 ii. Thorax ex parte fulvo hirtus.
 * Abdomen nigro hirtum. - Leschenaultii, *Macq.*
 ** Abdomen rufo hirtum. - rufiventris, *Macq.*
 *** Abdomen apice rufo hirtum. - ruficauda, *Wied.*

b. Pedes ex parte flavo pilosi.

- i. Thorax totus nigro hirtus.
 * Abdomen totum nigro hirtum. - tibialis, *Macq.*
 ** Abdomen ex parte flavo hirtum.
 i. Abdomen subtus apice flavo hirtum. ventralis, *Macq.*
 ii. Abdomen fulvo hirtum. - - robusta, *Wied.*
 ii. Thorax ex parte flavo hirtus.
 * Abdomen basi apiceque flavum. - Sylveirii, *Macq.*
 ** Abdomen flavo trifasciatum. - - ciliata, *Walk.*
 *** Abdomen flavum, apice nigrum. - opposita, *Walk.*
 **** Abdomen totum nigrum. - cinerascens, *Walk.*

B. Thorax cinereus, fuscus aut castaneus.

- a. Femora nigra. - - - - antiqua, *Walk.*
 b. Femora ex parte nigra.
 i. Abdomen nigrum. - - - - pusilla, *Macq.*
 ii. Abdomen fuscum. - - - - singularis, *Macq.*
 b. Femora mellea. - - - - geniculata, *Macq.*

D. Alæ fulvæ aut flavescentes.

A. Thorax nigro pilosus. - - - - Lampon, *Walk.*

B. Thorax fulvo pilosus.

a. Abdomen concolor.

- i. Tarsi nigri.
 * Femora nigra. - - - - nigrifemorata, *Macq.*
 ** Femora mellea. - - - - nigratarsis, *Fabr.*
 ii. Tarsi postice argentei. - - - - argentipes, *Macq.*
 b. Abdomen ferrugineum. - - - - Amphinome, *Walk.*

E. Alæ fasciatæ. - - - - fasciata, *Walk.*F. Alæ limpidæ. - - - - tricolor, *Walk.*G. Alæ ——— ? - - - - atra, *Macq.*

B. Abdomen metallicum.

A. Mystax fulvo hirtus. - - - - candens, *Walk.*B. Mystax nigro hirtus. - - - - purpurea, *Walk.*

8. MALLOPHORA FREYCINETI.

Fœm. *Cæruleo-nigra* ; *alæ nigro-fuscæ, cæruleo nitentes.*

Mallophora Freycineti, *Macq. Dipt. Exot.* i. 2, 85, 2 ; *Suppl.* 1, 77, 19.

Brazil.

9. MALLOPHORA XYLOCOPIDES.

Mallophora Xylocopides, *Diptera Saundersiana*, Pt. 2, 111.

Parà.

10. MALLOPHORA CONTRARIA.

Mallophora contraria, *Diptera Saundersiana*, Pt. 2, 113.

South America.

11. MALLOPHORA INFERNALIS.

Nigra ; *scutellum et abdominis latera fulvo hirta* ; *alæ nigro-fuscæ, cæruleo nitentes.*

Asilus infernalis, *Wied. Dipt. Exot.* i. 202, 35 ; *Auss. Zweifl.* i. 475, 76.

Brazil.

12. MALLOPHORA MINOS.

Nigra ; *scutellum nigro hirtum* ; *abdominis latera fulvo hirta* ; *femora tibiæque postica ex parte flavo hirta* ; *alæ nigro-fuscæ, cæruleo nitentes.*

Asilus Minos, *Wied. Auss. Zweifl.* i. 478, 82.

Brazil?

13. MALLOPHORA ALBIFRONS.

Nigra, nigro hirta ; *caput albo pilosum* ; *alæ fuscæ, cyaneo nitentes, basi et ad costam nigre.*

Mallophora albifrons, *Walk. Zool.* viii. *Append.* xcvi.

South America.

14. MALLOPHORA PLUTO.

Fœm. *Nigro, nigro hirta* ; *abdomen fulvo hirtum, basi nigrum* ; *alæ fuscæ, violaceo nitentes.*

Asilus Pluto, *Wied.*

Brazil.

15. MALLOPHORA LESCHENAULTII.

Mas. *Atra*; *scutellum fulvum*; *alæ fusæ*.

Mallophora Leschenaultii, *Macq. Dipt. Exot. i. 2, 86, 3.*

Lamana, Brazil.

16. MALLOPHORA RUFIVENTRIS.

Fœm. *Atra*; *caput, scutellum et abdomen rufo hirta*; *alæ fusæ*.

Mallophora rufiventris, *Macq. Dipt. Exot. i. 2, 91, 16.*

South America.

17. MALLOPHORA RUFICAUDA.

Nigra, nigro hirta; *caput, thorax et scutellum sulphureo hirta*; *abdomen apice fulvo hirtum*; *alæ cinereo-fusæ, cyaneo nitentes*. Mas. — *Pedes postici castaneo fusci, tibiis albo hirtis*.

Asilus ruficauda, *Wied. Auss. Zweifl. i. 476, 78.*

Monte Video.

18. MALLOPHORA TIBIALIS.

Nigra; *tibiæ posticæ testaceæ, basi apiceque nigræ*; *alæ fusæ*.

Mallophora tibialis, *Macq. Dipt. Exot. Suppl. 1, 77, 17, pl. 8, f. 3.*

Guiana.

19. MALLOPHORA VENTRALIS.

Atra; *venter apice flava*; *femora tibiæque postica externe flava*; *alæ fusæ*.

Mallophora ventralis, *Macq. Dipt. Exot. i. 2, 91, 15.*

South America ?

20. MALLOPHORA ROBUSTA.

Nigra, nigro hirta; *mystax aureus*; *abdomen fulvo hirtum, basi utrinque flavo hirtum*; *pedes obscure castaneo fusci, tibiis posticis dimidio apicali albo hirtis, anticis intus auratis*; *alæ fuscescentes, violaceo nitentes*.

Asilus robustus, *Wied. Auss. Zweifl. i. 478, 81. Macq. Dipt. Exot. Suppl. 1, 78.*

South America.

21. MALLOPHORA SYLVEIRII.

Fœm. *Atra; caput, scutellum et abdomen basi apiceque flava; tibiæ posticæ fuscæ aut testaceæ, albo vel flavo pilosæ; alæ fuscæ.*

Mallophora Sylveirii, Macq. Dipt. Exot. i. 2, 86, 5.

Brazil.

22. MALLOPHORA OPPOSITA.

Mallophora opposita, Diptera Saundersiana, Pt. 2, 112.

Brazil.

23. MALLOPHORA CILIATA.

Mallophora ciliata, Diptera Saundersiana, Pt. 2, 114.

South America?

24. MALLOPHORA CINERASCENS.

Fœm. *Nigra, cinereo tomentosa, subtus flavo pilosa; mystax setis fulvis nigrisque; pedes lutei, femoribus supra nigro vittatis, tibiis apice tarsisque nigris; alæ fuscescentes, ad costam obscuriores.*

Black, with cinereous tomentum; under side with yellowish hairs. Face tawny towards the epistoma. Mystax with pale tawny and with black bristles. Beard with black bristles. Abdomen on each side at the base with a tuft of yellow hairs, with which there are a few black hairs. Legs luteous, thinly clothed with short pale yellow hairs; femora above with black stripes; tarsi and tips of the tibiæ black. Wings brownish, darker along the costa. Length of the body 9 lines; of the wings 16 lines.

a. Parà. From Mr. Bates' collection.

25. MALLOPHORA ANTIQUA.

Fœm. *Nigra, cinereo tomentosa; caput albo pilosum; mystax albidus; thorax vittis tribus nigricantibus; abdomen stylo lævi nitido; tibiæ luteæ, apice nigræ; alæ subfuscescentes.*

Black, with cinereous tomentum. Head testaceous in front, white, and with white hairs behind and beneath. Mystax with whitish bristles. Thorax with three blackish stripes; lateral pair interrupted; sides and scutellum with black bristles. Abdomen about twice the length of the thorax, extending beyond the wings;

apical third part stylate, shining, transversely ribbed. Legs deep black; tibiæ luteous, with black tips; onychia ferruginous. Wings slightly brownish. Halteres ferruginous. Length of the body 11 lines; of the wings 14 lines.

a. Vera Cruz. From M. Sallé's collection.

26. MALLOPHORA PUSILLA.

Fœm. *Thorax castaneus; abdomen nigrum, flavido hirsutum; pedes testacei, femoribus supra nigris; alis fuseæ, venis externo-mediis 1a et 2a ante marginem conjunctis.*

Mallophora pusilla, Macq. *Dipt. Exot.* i. 2, 88, 9.

Brazil.

27. MALLOPHORA SINGULARIS.

Mas. *Fusca, flavo pilosa; pedes testacei, femoribus supra nigro fasciatis; alæ fuscæ, venis externo-mediis 1a et 2a ante marginem conjunctis.*

Mallophora singularis, Macq. *Dipt. Exot.* i. 2, 87, 6, pl. 8, f. 4.

Guaratuba.

28. MALLOPHORA GENICULATA.

Mas. *Fusca, fulvo pilosa; abdomen apice nigrum; pedes mellei, tibiis basi externe flavidis; alæ fuscæ, violaceo nitentes.*

Mallophora geniculata, Macq. *Dipt. Exot.* i. 2, 87, 7.

a, b. Brazil. From Mr. Bates' collection.

29. MALLOPHORA LAMPON.

Asilus Lampon, *Cat. of Diptera*, Pt. 2, 388.

Brazil.

30. MALLOPHORA NIGRIFEMORATA.

Fœm. *Fusca, fulvido pilosa; thoracis fascia nigro pilosa; abdomen maculis dorsalibus nigris; femora tarsique nigra; tibiæ melleæ; alæ pallide fusco-flavescentes.*

Mallophora nigrifemorata, Macq. *Dipt. Exot.* i. 2, 90, 14.

Brazil?

31. MALLOPHORA NIGRITARSIS.

Fusca, fulvido pilosa; pedes mellei, tarsis posticis dilatatis nigris; alis flavescentes.

Dasyopogon nigritarsis, Fabr.

This species and *M. cinerascens* differ from the typical form in the abdomen and the legs, which are but slightly hairy, and the latter are not ciliated. The spurious veins of the wings are indistinct.

32. MALLOPHORA FASCIATA.

Atra; larva flava; abdominis segmenta flavo limbata; tibiæ posticæ basi flava; alæ fusca, fascia lata hyalina.

Mallophora tibialis, *Macq. Dipt. Exot. i. 2, 85, 1.*

Mallophora fasciata, *Diptera Saundersiana, Pt. 2, 112.*

a. Santarem. From Mr. Bates' collection.

b. Parà. From Mr. Bates' collection.

Brazil. Guiana. Cayenne.

33. MALLOPHORA TRICOLOR.

Nigra, nigro hirta; caput albo pilosum; antennæ rufæ, basi nigræ; thorax rufo trivittatus; abdomen medio fulcum, apice rufum; tibiæ tarsique postice flava; alæ limpida.

Mallophora tricolor, *Walk. Zool. viii. Append. xcvi.*

Mallophora Amphinome, Var. ?

a, b. Parà. From Mr. Bates' collection.

c, d. Tapayos, Brazil. From Mr. Bates' collection.

34. MALLOPHORA ATRA.

Nigra; mystacis fasciculus barbaque alba; occipitis pili flavescens; femora apice et tibiæ dimidio basali subtus alba.

Mallophora atra, *Macq. Hist. Nat. Dipt. i. 302, 3.*

Brazil.

35. MALLOPHORA CANDENS.

Trupanea candens, *Insecta Saundersiana, Pt. 2, 117.*

South America.

a. Parà. From Mr. Bates's collection.

In one wing of this specimen the fourth externo-medial vein forms a single much-curved vein with the fifth, which does not extend to the border.

36. MALLOPHORA PURPUREA.

Atra, nigro hirta; antennæ rufo cinctæ; scutellum, thoracisque latera picea; abdomen purpureum, segmentorum marginibus posticis fulvis; pedes picei, tarsis fulvis; alæ fuscæ.

Trupanea purpurea, *Walk. Zool. viii. Append. xcvi.*

a. Parâ. From Mr. Bates' collection.

b, c. Santarem. From Mr. Bates' collection.

In this and the preceding species the abdomen is pubescent, not hairy. The fore fork of the radial vein is slightly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing. Third externo-medial vein curved outward. Subanal joining the anal near the border.

Genus 3. TRUPANEA.

Corpus non depressum, nec ciliatum; antennæ articulo 3o brevi, stylo sat crasso; alæ areolis tribus submarginalibus.

Trupanea, *Macq. Dipt. Exot. i. 2, 91.*

Asilus p., *Fabr.; Wied.*

Loew rejects the name *Trupanea* for this genus, and divides it into three genera, which are here mentioned as groups.

Group 1. PROMACHUS.

Corpus crassum, plus minusve hirtum. Antennæ remotæ; articulus 3us brevis aut mediocriter elongatus. Abdomen obconicum, mediæ longitudinis. Pedes sat validi, non incrassati; tarsorum articulus 1us 2o æqualis aut paullo longior. *Mas.*—Abdomen alas non superans. Sexualia mediæ magnitudinis, valde extantia. *Fem.*—Sexualia elongata, stylata.

Promachus, *Loew, Linn. Ent. iii. 390, 2; 403.*

Wing-veins like those of *Mallophora*. *Male.*—Sexualia larger and more prominent than those of *Mallophora*. *Fem.*—Sexualia more divergent than those of *Mallophora*.

Trupanea maculata Fabr.; T. picta Meig.; T. leonina Loew; T. trichonotus Wied.; T. fasciata Fabr.

Group 2. PHILODICUS.

Corpus nudiusculum. Antennæ approximata; articulus 3us

elongatus. Pedes spinosi, sat graciles; tarsorum articulus Ius 2o duplo longior. *Mas.*—Sexualia mediocriter crassa. *Fœm.*—Sexualia obconica, circulo spinarum terminata.

Philodicus, *Loew*, *Linn. Ent.* iii. 391, 3; 403.

Legs more slender and more spinose than those of *Promachus*.

Trupanea javana, *Wied.*

Group 3. ALCIMUS.

Corpus nudum. Antennæ approximatae; articulus 3us longiusculus, sat tenuis. Abdomen tenue, elongatum. Pedes graciles; tarsorum articulus Ius 2o 3oque conjunctim plerumque longior. *Mas.*—Sexualia parva, recta. *Fœm.*—Sexualia attenuata, cylindrica, circulo spinarum terminata.

Alcimus, *Loew*, *Linn. Ent.* iii. 391, 4, 403.

Trupanea longipes, *Macq.*, and most South African species.

Europe.

1. TRUPANEA LEONINA.

Mas. et Fœm. *Nigra, densissime flavo pilosa; tibiæ luteæ; alæ fuscescentes.*

Promachus leoninus, *Loew*, *Linn. Ent.* iii. 404, 1.

Asia Minor and the Isles of Greece.

Europe?

2. TRUPANEA MACULATA.

Fulvo-cinerea; thorax vittis obsoletis fuscis; abdomen ferrugineum, maculis dorsalibus atris; pedes fuscii, tibiis luteis; alæ limpida; halteres fuscii.

Asilus maculatus, *Fabr. Syst. Ent.* 794, 17, 21; *Sp. Ins.* ii. 464, 21; *Ent. Syst.* iv. 383, 33. *Gmel. ed. Syst. Nat.* i. 5, 2898, 29. *Wied. Zool. Mag.* i. 2, 28; *Dipt. Exot.* i. 202, 36; *Auss. Zweifl.* i. 483, 89. *Meig. Zweifl.* ii. 307, 1.

Dasypogon maculatus, *Fabr. Syst. Antl.* 169, 24.

Trupanea maculata, *Macq. Dipt. Exot.* i. 2, 99, 17.

Promachus maculatus, *Loew, Linn. Ent.* iii. 406.

Caucasus. East Indies. Cochin China.

3. TRUPANEA PICTA.

Testaceo-nigroque varia ; mystax sulphureus ; antennæ apice clavatæ ; pedes nigri, tibiis anterioribus testaceis ; alæ fuscescentes ; halteres fusci.

Asilus pictus, Meig. Zweifl. ii. 307, 2, pl. 21, f. 6, 8.

Hungary?

North America.

A. Femora nigra ; tibiæ rubidæ.

A. Thorax glauco-cinerascens. - - - - - vertebrata, *Say.*

B. Thorax niger, flavo hirtus.

α. Alæ apud margine posticum fuscescentes. laphroides, *Wied.*

β. Alæ obscure fuscæ. - - - - - perpusilla, *Walk.*

B. Femora nigro vittata. - - - - - Lævinus, *Walk.*

C. Pedes castaneo fusci. - - - - - quadrata, *Wied.*

D. Pedes rufi. - - - - - rubiginis *Walk.*

E. Pedes testacei. - - - - - Bastardii, *Macq.*

Group 1.

Corpus hirtum, setosum. Facies apud epistoma valde convexa. Mystax densissime pilosus. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior ; 3us 1o non longior ; arista 3o duplo longior. Pedes validi, pilosi, spinosi. *Mas.*—Abdomen oblanceolatum, apice fasciculatum. *Fam.*—Abdomen bis triente basali longi-obconicum, triente apicali valde compressum, spiniforme.

Mediastinal vein ending at a little beyond half the length of the wing. Forks of the radial vein very long ; fore fork hardly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing ; hind fork slightly curved forward, joining the costal at very little in front of the tip of the wing very near the cubital, and connected with it by a transverse veinlet. First externo-medial hardly curved, but nearly parallel to the cubital, with which it is connected by a transverse veinlet at one-third of the length of the discal areolet ; second almost straight ; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal at some distance from the border. The shorter third joint of the antennæ seems to be the only character which distinguishes this genus from *Mallophora*.

4. TRUPANEA VERTEBRATA.

Glauco-cinerascens; abdomen maculis transversis nigellis; tibiæ rubidæ.

Asilus vertebratus, Say, *Journ. Acad. Philad.* 47, 1. *Wied. Auss. Zweifl.* i. 485, 91.

Trupanea vertebrata, Macq. *Dipt. Exot.* i. 2, 103, 27.

United States.

5. TRUPANEA LAPHROIDES.

Nigra; caput albo pilosum; thorax flavido hirtus; abdominis incisuræ flavescentes; tibiæ fulvæ; alæ apud marginem posticum fuscescentes.

Asilus laphroides, *Wied. Auss. Zweifl.* i. 483, 88.

Kentucky.

6. TRUPANEA PERPUSILLA.

Trupanea perpusilla, *Insecta Saundersiana*, Pt. 2, 123.

United States.

7. TRUPANEA LEVINUS.

Asilus Lævinus, *Cat. of Diptera*, Pt. 2, 392.

United States.

8. TRUPANEA QUADRATA.

Mas. *Rufo-fusca*; thorax vittis tribus fuscis; abdomen nigrum, fuscano limbatum, incisuris albis; pedes castaneo fuscis; alæ subflavescentes.

Asilus quadratus, *Wied. Dipt. Exot.* i. 201, 34; *Auss. Zweifl.* i. 485, 90.

Georgia.

9. TRUPANEA RUBIGINIS.

Trupanea rubiginis, *Insecta Saundersiana*, Pt. 2, 123.

North America.

10. TRUPANEA BASTARDII.

Mas. *Nigra*; abdominis incisuræ albæ, medio interruptæ; pedes testacei; alæ flavidæ.

Trupanea Bastardii, Macq. *Dipt. Exot.* i. 2, 104, 30.

North America.

South America.

- A. Thorax niger aut cinereus.
 A. Abdomen non metallicolor.
 a. Alæ fuscæ.
 a. Abdomen cingulis albis. - - - fuscipennis, *Macq.*
 b. Abdomen basi albo fasciatum. - - - annularis, *Fabr.*
 b. Alæ hyalinæ.
 a. Pedes toti nigri. - - - nigripes, *Macq.*
 b. Pedes ex parte pallidi.
 i. Abdomen incisuris albidis. - - - gracilis, *Macq.*
 ii. Abdomen lateribus testaceis. - - - spissibarbis, *Macq.*
 B. Abdomen chalybeum. - - - barbipes, *Wied.*
 c. Alæ flavescentes. - - - pyrrhomystax, *Wied.*
 B. Thorax fuscus. - - - calida, *Fabr.*
 C. Thorax fuscus, vittis fulvis.
 A. Femora nigra. - - - rufipes, *Fabr.*
 B. Femora fulva. - - - captans, *Walk.*
 D. Thorax fulvus aut cervinus vittis nigris.
 A. Thorax cristatus. - - - trichonotus, *Wied.*
 B. Thorax non cristatus.
 a. Alæ fuscæ.
 a. Abdomen fasciis fulvis aut testaceis. - - - flavifasciata, *Macq.*
 b. Abdomen fasciis albis. - - - breviscula, *Walk.*
 b. Alæ fuscæ, apice cinereæ.
 a. Thorax nigro brivittatus. - - - mitescens, *Walk.*
 b. Thorax nigro quadrivittatus. - - - substituta, *Walk.*
 c. Alæ flavidæ.
 a. Pedes castanei. - - - quatuor lineata, *Macq.*
 b. Pedes nigri.
 i. Abdominis latera maculata. - - - nigripes, *Fabr.*
 ii. Abdominis latera non maculata. - - - Heydenii, *Wied.*
 E. Thorax flavidus, fusco vittatus. - - - connexa, *Wied.*
 F. Thorax fulvus. - - - perfecta, *Walk.*

Group 1.

Corpus pilosum, non setosum. Facies apud epistoma convexa. Mystax dense pilosus. Proboscis valida, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us 1o non longior; arista 1o plus duplo longior. Pedes validi, spinosi, parce pilosi. *Mas.*—Abdomen oblongeolatum, apice non fasciculatum. *Fem.*—Abdomen longi-obconicum, triente aut plus triente apicali valde compressum, spiniforme.

Fore fork of the radial vein hardly undulating, joining the sub-

costal at a short distance from the tip of the latter; hind fork curved forward; cubital vein almost straight, connected with the radial by a veinlet much beyond the end of the discal areolet, and with the fore branch of the præbrachial by a veinlet at much before half the length of the discal areolet. First externo-medial vein parallel to the cubital; third forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Trupanea annularis, *Fabr.*; *T. flavifasciata*, *Macq.*; *T. breviuscula*, *Walk.*

11. TRUPANEA FUSCIPENNIS.

Mas. *Nigra*; *mystax supra niger, subtus fulvus*; *thorax lineis et abdomen incisuris albis*; *alæ fuscæ.*

Trupanea fuscipennis, *Macq. Dipt. Exot. Suppl. 1, 81, 44, pl. 8, f. 4.*

New Grenada. Warm Region.

12. TRUPANEA ANNULARIS.

Nigra, nigro hirta; *caput subtus albido hirtum*; *abdomen basi albo fasciatum*; *tibiæ flavæ, basi apiceque nigra*; *alæ fuscæ.*

Dasygogon annularis, *Fabr.*

13. TRUPANEA NIGRIPES.

Fœm. *Atra*; *thorax lineis, abdomen incisuris lateribusque cinereis*; *alæ violaceo hyalinæ.*

Trupanea nigripes, *Macq. Dipt. Exot. i. 2, 101, 23.*

Brazil.

14. TRUPANEA GRACILIS.

Mas. *Cinerea, gracilis*; *abdomen fuscum, incisuris albidis*; *pedes nigri, femoribus subtus tibiisque apice testaceis, tarsis fusco-fulvis*; *alæ hyalinæ, apice cinereæ.*

Trupanea gracilis, *Macq. Dipt. Exot. i. 2, 102, 25.*

Brazil.

15. TRUPANEA SPISSIBARBIS.

Mas. *Mystax flavus*; *thorax cinereo tomentosus vittis fuscis*; *abdominis latera testacea*; *femora postica supra testacea*; *alæ subhyalinæ.*

Trupanea spissibarbis, *Macq. Dipt. Exot. Suppl. 1, 80, 43.*

Chili.

16. TRUPANEA BARBIPES.

Nigra; thorax vittis fuscescentibus; abdomen chalybeum, fulvo hirtum; tibiæ posticæ fulvo barbatae; pedes castaneo fuscentes; alæ subviolaceæ.

Laphria barbipes, *Wied. Zool. Mag.* iii. 48, 11; *Dipt. Exot.* i. 239, 13.

Asilus barbipes, *Wied. Auss. Zweifl.* i. 480, 86.

Brazil.

17. TRUPANEA? PYRRHOMYSTAX.

Nigra; thorax cinerascens, nigro vittatus; abdomen utrinque maculis transversis segmentoque apicali albis, forcipe rubro; alæ flavescentes, apice cinereæ.

Asilus pyrrhomystax, *Wied. Auss. Zweifl.* i. 497, 111.

Var? *Asilus melaleucus*, *Wied. Auss. Zweifl.* i. 498, 112.

Brazil.

18. TRUPANEA CALIDA.

Fusca; antennæ nigrae; thorax flavido hirtus; abdomen nigrum incisuris flavidis; pedes castaneo fusci, tibiis fulvis; alæ flavescentes.

Asilus calidus, *Fabr. Ent. Syst.* iv. 380, 17. *Wied. Dipt. Exot.* i. 210, 48; *Auss. Zweifl.* i. 482, 87.

Laphria calida, *Fabr. Syst. Antl.* 159, 12.

Brazil. Cayenne.

19. TRUPANEA RUFIPES.

Fusca; antennæ nigrae; thorax vittis fulvis aut ferrugineis; abdomen flavidum, vittis abbreviatis nigris; pedes nigri, femoribus fulvis; alæ flavidae.

Asilus rufipes, *Fabr. Syst. Ent.* 794, 16; *Ent. Syst.* iv. 383, 32. *Wied. Dipt. Exot.* i. 203, 38; *Auss. Zweifl.* i. 487, 93.

Dasypogon rufipes, *Fabr. Syst. Antl.* 169, 23.

South? America.

20. TRUPANEA CAPTANS.

Trupanea captans, *Insecta Saundersiana*, Pt. 2, 117.

South America.

21. TRUPANEA TRICHONOTUS.

Nigra; mystax albo flavescens; thorax cervinus, cristatus, vittis nigris; abdomen fasciis duabus pilosis albis; tibiæ melleæ; alæ flavo-fuscæ, apice subcinereæ.

Asilus trichonotus, Wied. *Auss. Zweifl.* i. 490, 97.

Promachus trichonotus, Loew, *Linn. Ent.* iii. 407.

South America.

22. TRUPANEA FLAVIFASCIATA.

Nigra; palpi nigro pilosi; thorax rufus nigro vittatus; abdominis segmenta rufolimбата; alæ fuscæ.

Trupanea flavifasciata, Macq. *Dipt. Exot.* i. 2, 102, 26, pl. 9, f. 1.

a—c. Parà. From Mr. Bates' collection.

d. South America. From Mr. Saunders' collection.

23. TRUPANEA BREVIUSCULA.

Fœm. *Nigra; caput subtus albo hirtum; facies testacea; thorax fulvo quinquevittatus; pectus testaceum, nigro varium; abdomen albo bifasciatum; alæ fuscæ.*

Black. Head with testaceous tomentum, white behind, clothed with white hairs beneath. Mystax with black and whitish bristles. Thorax with five tawny stripes. Pectus partly covered with pale testaceous tomentum. Abdomen with a tuft of black and whitish bristles on each side at the base; second and third segments with bands of white hairs on their hind borders, and, like the fourth, with a spot of white tomentum on each side. Wings brown. Halteres testaceous. Length of the body 6 lines; of the wings 10 lines.

This species much resembles the female of *T. flavifasciata*, but the attenuated part of the abdomen is shorter, and the abdominal hairs are of a different colour.

a. Tapayos, Amazon Region. From Mr. Bates' collection.

24. TRUPANEA MITESCENS.

Trupanea mitescens, *Insecta Saundersiana*, Pt. 2, 118.

South America.

25. TRUPANEA SUBSTITUTA.

Trupanea substituta, *Insecta Saundersiana*, Pt. 2, 119.

South America.

26. TRUPANEA QUATUORLINEATA.

Cinereo-rubida; thoracis vitta intermedia lineis quatuor fuscans; abdomen nigrum, incisuris albidis; pedes castanei; alæ flavidæ.

Trupanea quatuorlineata, *Macq. Dipt. Exot.* i. 2, 102, 24.

Brazil.

27. TRUPANEA NIGRIPES.

Fulva; thorax nigro vittatus; abdomen nigrum, maculis laterali-bus trigonis, fasciisque albido aut fulvo pilosis; pedes nigri; alæ flavescens, apice margineque postico cinereis.

Asilus nigripes, *Fabr. Ent. Syst.* iv. 385, 39; *Syst. Antl.* 171, 34. *Wied. Dipt. Exot.* i. 209, 47; *Auss. Zweifl.* i. 480, 85.

Brazil.

28. TRUPANEA HEYDENII.

Fœm. *Nigra*; thorax cervinus, nigro vittatus; abdomen fasciis basi tribus albo pilosis; alæ flavescens, areolarum apicalium discis cinereis.

Asilus Heydenii, *Wied. Auss. Zweifl.* i. 490, 98.

Brazil.

29. TRUPANEA CONNEXA.

Flavida; antennæ nigrae; thorax fusco vittatus; abdomen nigro tessellatum, apice omnino flavidum; pedes nigri, genubus tibiisque fulvis; alæ subflavescens.

Asilus connexus, *Wied. Auss. Zweifl.* i. 497, 110.

Monte Video.

30. TRUPANEA PERFECTA.

Trupanea perfecta, *Diptera Saundersiana*, Pt. 2, 120.

South America.

Canary Isles.

31. TRUPANEA LATITARSATA.

Cinerea; abdomen maculis nigris; pedes testacei, femoribus supra nigris; alæ subflavescens. Mas.—Tarsi postici late pilosi.

Trupanea latitarsata, *Macq. Dipt. Exot.* i. 2, 93, 2.

Asilus latitarsatus, *Macq. Hist. des Iles Canaries, de Webb et Berthelot.*

32. TRUPANEA CONSANGUINEA.

Cinerea; facies barbaque albæ; mystax flavido-nigroque parum mixtus; abdominis segmenta singula macula magna nigro micante; pedes testacei, femoribus fascia longitrorsum nigra; alæ subflavescentes. Mas.—Anus albus.

Trupanea consanguinea, Macq. Dipt. Exot. i. 2, 94, 3.

Canary Isles.

Africa.

A. Pedes nigri; tibiæ nonnumquam pallidæ.

A. Alæ subfuscæ. - - - - - temeraria, *Walk.*

B. Alæ fusco strigatæ.

a. Abdomen ferrugineum, nigro-alboque maculatum.

producta, *Walk.*

b. Abdomen fuscum, fasciis canis. - Alamanus, *Walk.*

C. Alæ flavescentes.

A. *Mystax niger.* - - - - - fasciata, *Fabr.*

B. *Mystax flavus.* - - - - - caffra, *Macq.*

D. Alæ rufescentes. - - - - - Robertii, *Macq.*

B. Pedes nigro varii.

A. Abdomen fuscum aut canum. - - - Turinus, *Walk.*

B. Abdomen nigrum.

A. Abdomen rufo marginatum.

a. Abdomen rufo fasciatum.

i. Thorax vittis nigris. - - - Guineensis, *Wied.*

ii. Thorax vittis fuscis. - - - Pætinus, *Walk.*

b. Abdomen rufo non fasciatum. - - - limbata, *Macq.*

B. Abdomen rufo non marginatum.

a. Femora et tibiæ cinerea aut nigra, intus fulva.

i. Abdomen cinereum, fusco marginatum.

* Thorax maculis quatuor nigris. - fraterna, *Wied.*

** Thorax maculis duabus nigris. fraterculus, *Walk.*

ii. Abdomen nigrum albido marginatum. vagator, *Wied.*

b. Pedes picei, tibiis ferrugineis. - Scilurus, *Walk.*

c. Abdomen fulvum, maculis trigonis nigris.

Ædithus, *Walk.*

C. Pedes toti pallidi.

A. Antennæ totæ nigræ. - - - Senegalensis, *Macq.*

B. Antennæ basi rufescentes. - - - Mimus, *Wied.*

C. Antennæ cinctæ.

a. Abdomen cinereum, maculis nigris. - fulvipes, *Macq.*

b. Abdomen fulvum; fem. maculis fuscis. Amatus, *Walk.*

c. Abdomen nigrum, fasciis ferrugineis. - Dorso, *Walk.*

Group 1.

Corpus hirtum, parce setosum. Facies plana. Mystax dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o non longior; arista 3o duplo longior. Abdomen oblanceolatum, thorace fere duplo aut plus duplo longius, apice non compressum. Pedes robusti, pilosi, spinosi.

Radial vein forked at much before half its length; fore fork hardly undulating, connected with the subcostal close to the tip of the latter, but at some distance from the tip of the wing; hind fork forming an extremely obtuse angle, whence it inclines to the fore fork, and joins the tip of the costal vein. Cubital and first externo-medial slightly inclined towards each other. Third externo-medial forming a hardly obtuse angle with the præbrachial, joining the fourth at a long distance from the border. Subanal joining the anal at some distance from the border.

Trupanea fasciata, *Fabr.*; *T. Guineensis*, *Wied.*; *T. Pætinus*, *Walk.*; *T. limbata*, *Macq.*; *T. Scilurus*, *Walk.*; *T. Ædithus*, *Walk.*; *T. fulvipes*, *Macq.*; *T. Dorso*, *Walk.*

Group 2.

Corpus hirtum, parce setosum. Facies plana. Mystax sat dense setosus. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus; 1o longior; arista 3o longior. Abdomen oblanceolatum, thorace fere duplo aut plus duplo longius. Pedes robusti, spinosi, vix pilosi. *Mas.*—Abdomen alas non superans. *Fem.*—Abdomen alas multo superans, apice nitens subcompressum.

Radial vein forked at a little beyond one-third of its length; forks slightly curved, parallel to each other; fore fork joining the subcostal very near the tip of the latter. Cubital and first externo-medial very slightly curved, almost parallel to each other; cubital joined to the radial by a veinlet at a little before the end of the discal areolet, and with the fore branch of the præbrachial by a veinlet at much before the middle of the discal areolet. Third externo-medial forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Trupanea fraterna, *Wied.*; *T. fraterculus*, *Walk.*

Group 3.

Corpus valde elongatum, parce setosum, vix hirtum. Facies apud epistoma subconvexa. Mystax sat dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o longior; arista 3o brevior. Pedes sat graciles, spinosi; tarsi longi. *Fœm.*—Abdomen thorace fere triplo longius, apicem versus subcylindricum, non compressum.

Radial vein forked at before half its length; fore fork very slightly curved, joining the subcostal close to the tip of the latter; hind fork almost straight. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial almost straight; second hardly curved; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal close to the border.

Var. β . Radial vein forked at very little before half its length; fore fork hardly undulating, joining the subcostal close to the tip of the latter; hind fork slightly curved towards the tip. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial very slightly curved; second hardly undulating; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal on the border.

The veinlet between the cubital and the radial is much nearer to the base of the fork of the latter than it is in var. α ., and the veinlet between the cubital and the discal areolet is more remote from the base of the latter.

Trupanea Alamannus, *Walk.*

Group 4.

Corpus gracile, longiusculum, parce setosum, vix hirtum. Vertex depressum. Facies parum convexa. Mystax setis nonnullis. Abdomen oblanceolatum, alas paullo superans. Pedes validi, parce spinosi, non pilosi. *Mas.*—Sexualia parva. *Fœm.*—Abdomen apice acuminatum, non compressum nec stylatum.

Radial vein forked at hardly beyond one-third of its length; fore fork abruptly curved forward near its tip, and joining the subcostal vein close to the tip of the latter; hind fork moderately

curved forward near its tip. Cubital and first externo-medial hardly curved, almost parallel to each other; cubital joined to the radial by a veinlet at four-fifths of the length of the discal areolet and very far from the fork of the radial, joined to the discal areolet by a veinlet at one-third of the length of the latter. Second externo-medial nearly straight; third curved, forming an obtuse angle with the præbrachial, which is very slightly curved, joining the fourth very far from the border. Subauul joining the anal close to the border.

Trupanea Turinus, *Walk.*

33. TRUPANEA TEMERARIA.

Trupanea temeraria, *Diptera Saundersiana*, Pt. 2, 121.
Senegal ?

34. TRUPANEA PRODUCTA.

Trupanea producta, *Diptera Saundersiana*, Pt. 2, 124.
Cape.

35. TRUPANEA ALAMANUS.

Trupanea perlonga, *Diptera Saundersiana*, Pt. 2, 125.

a. South Africa. From Mr. Argent's collection.

b. Port Natal. From Mr. Stevens' collection.

Var. β. *Asilus Alamanus*, *Cat. of Diptera* Pt. 2, 428.

36. TRUPANEA FASCIATA.

Nigra; *abdomen basi fasciis duabus pilosis albis*; *alæ flavescentes*.

Asilus fasciatus, *Fabr.*

Sierra Leone.

37. TRUPANEA CAFFRA.

Mas. Nigra; *mystax flavus*; *abdomen basi albo pilosum*; *alæ flavidæ*, *costa subfusca*.

Trupanea caffra, *Macq. Dipt. Exot. Suppl.* 1, 79, 40.

South Africa.

38. TRUPANEA ROBERTII.

Fcem. Nigra; *caput album*; *abdominis segmenta tria antica flavido pilosa*; *tibiæ externe castaneæ*; *alæ rufescentes*.

Trupanea Robertii, *Macq. Dipt. Exot.* i. 2, 95, 6.

Senegal.

39. TRUPANEA TURINUS.

Asilus Turinus, *Cat. of Diptera*, Pt. 2, 407.

Sierra Leone.

40. TRUPANEA GUINEENSIS.

Thorax rufescens, vittis quatuor nigellis; abdomen nigrum, fasciis marginibusque lateralibus rubidis; pedes rubidi, tarsi nigris; alæ subflavescentes.

Asilus Guineensis, *Wied.*

Guinea.

41. TRUPANEA PÆTINUS.

Asilus Pætinus, *Cat. of Diptera*, Pt. 2, 390.

Sierra Leone.

42. TRUPANEA LIMBATA.

Fœm. Gracilis; abdomen nigrum, rubido limbatum; pedes testacei, femoribus tibiisque externe nigris; alæ flavidæ, apice fuscæ.

Trupanea limbata, *Macq. Dipt. Exot. i. 2, 95, 5.*

Senegal.

43. TRUPANEA FRATERNA.

Mas. Flavo-cinerascens; antennæ nigre; thorax vittis maculisque fuscis; abdomen obscure cinereum, lateribus fuscis; pedes intus fulvi; alæ subflavescentes, apice cinereæ.

Asilus fraternus, *Wied.*

Guinea.

44. TRUPANEA FRATERCULUS.

Fœm. Cinerea; caput albo pilosum; mystax albidus; thorax vittis duabus dorsalibus integris et duabus laterulibus interruptis nigricantibus maculisque quatuor lateralibus nigris; abdomen apice nigrum; pedes ferrugineo vittati; alæ sublimpidæ.

Fem. Cinereous. Head behind and beneath, pectus and metathorax whitish. Head clothed with white hairs. Mystax with whitish bristles. Thorax with four blackish stripes, two entire and dorsal and converging hindward, and two lateral and interrupted and less distinct; there are also four lateral black spots on

the hind part of the thorax, the hind pair very small. Abdomen black towards the tip. Legs black, with whitish down, beset with black and white spines; femora and tibiæ ferruginous on the inner side. Wings nearly limpid.

This species is very nearly allied to *T. fraterna*, but may be distinguished by its smaller size, by the darker colour of the anterior pair of spots on the thorax, by the ferruginous inner side of the femora and of the tibiæ, and by the forks of the radial vein, which are more curved towards the tips. Length of the body 7 lines; of the wings 10 lines.

a. Port Natal. From M. Gueinzus' collection.

45. TRUPANEA VAGATOR.

Glaucescens; antennæ nigræ; abdomen nigrum, fasciis marginibusque albidis; pedes nigri, femoribus intus tibiisque fulvis; alæ flavescentes.

Asilus vagator, *Wied. Auss. Zweifl.* i. 492, 100.

Cape.

46. TRUPANEA SCILURUS.

Asilus Scilurus, *Cat. of Diptera*, Pt. 2, 395.

South Africa.

47. TRUPANEA ÆDITHUS.

Asilus Ædithus, *Cat. of Diptera*, Pt. 2, 429.

South Africa.

48. TRUPANEA SENEGALENSIS.

Fœm. Cinerea; abdomen in segmento singulo macula nigra transversa; pedes testacei; alæ flavidæ.

Trupanea Senegalensis, *Macq. Dipt. Exot.* i. 2, 95, 4.

Senegal.

49. TRUPANEA MIMUS.

Mas. Rubida; antennæ nigræ, basi rufescentes; thorax vittis nigris lineisque albis; abdomen maculis lateralibus albis; pedes rufescentes; alæ flavescentes.

Asilus mimus, *Wied. Auss. Zweifl.* i. 493, 102.

Cape.

50. TRUPANEA FULVIPES.

Fœm. *Flavido-cinerea*; *antennarum articulus 2us testaceus*; *abdomen macula magna in segmento singulo nigra*; *pedes fulvi*; *alæ flavidæ*. Long. $8\frac{1}{2}$ lin.

Trupanea fulvipes, *Macq. Dipt. Exot. i. 2, 93, 1.*

Cape.

51. TRUPANEA AMASTRUS.

Asilus Amastrus, *Cat. of Diptera, Pt. 2, 394.*

South Africa.

52. TRUPANEA DORSO.

Asilus Dorso, *Cat. of Diptera, Pt. 2, 397.*

South Africa.

Asia.

A. *Pedes nigri.*

A. *Pedes toti nigri.*

a. *Alæ apice fuscescentes aut cinereæ.*

a. *Abdomen basi fasciis duabus albo pilosis.*

bifasciata, Macq.

b. *Abdomen non bifasciatum.*

i. *Abdomen nigricaus, incisuris albis.*

Westermanni, Wied.

ii. *Abdomen cinereum, maculis nigris. maculosa, Macq.*

iii. *Abdomen fuscum, albo limbatum. - Javana, Wied.*

iv. *Abdomen subfulvocanum. - - univentris, Walk.*

v. *Abdomen fusco-cinereoque tessellatum. agnita, Wied.*

B. *Alæ apice non obscuriores.*

a. *Venæ externo-mediæ 1a et 2a non conjunctæ.*

i. *Alæ flavidæ.*

* *Corpus flavido pilosum. - - Marcii, Macq.*

** *Corpus rufo pilosum. - - Duvaucelii, Macq.*

ii. *Alæ subhyalinæ. - - rufoungulata, Macq.*

b. *Venæ externo-mediæ 1a et 2a conjunctæ.*

heteroptera, Macq.

B. *Tibiæ anteriora externe testacea. - - fusca, Macq.*

C. *Femora anteriora apice subtus rufescentia. Hospes, Wied.*

D. *Tibiæ pallidæ.*

a. *Alæ apice obscuriores.*

a. *Abdomen cinereum, maculis nigris. orientalis, Macq.*

b. *Abdomen non maculatum. - - rufibarbis, Macq.*

B. *Alæ apice non obscuriores.*

- a.* *Mystax albus.* - - - - - *cana*, *Wied.*
b. *Mystax flavus.* - - - - - *Anicius*, *Walk.*
E. *Pedes cinerei*; femora tibiæque subtus pallida.
A. *Alæ subfulvæ, apice fusco-ferrugineæ.* - *Gobares*, *Walk.*
B. *Alæ subfuscæ.* - - - - - *innotabilis*, *Walk.*
F. *Pedes pallidi, nigrovarii.*
A. *Abdomen non fasciatum.*
a. *Abdomen cinereo pubescens.* - - - *apicalis*, *Macq.*
b. *Abdomen totum nigrum.* - - - *maculipes*, *Walk.*
B. *Abdomen incisuris vix albidis.* - - *rubritarsata*, *Macq.*
C. *Abdomen incisuris flavescentibus.* - - *varipes*, *Macq.*
D. *Abdomen fasciis interruptis cauis.* - - *confinis*, *Walk.*
E. *Abdomen albo bifasciatum.* - - - *Manillensis*, *Macq.*
F. *Abdomen fulvo fasciatum.*
a. *Alæ apice non obscuriores* - - - - *contracta*, *Walk.*
b. *Alæ apicè cinereæ.* - - - - - *telifera*, *Walk.*
G. *Pedes picei, subtus ferruginei.* - - - *sagittifera*, *Walk.*
A. *Alæ apice obscuriores.* - - - *Ceylanica*, *Macq.*
B. *Alæ apice non obscuriores.*
a. *Alæ flavescentes.*
i. *Abdomen cinereum.* - - - - *flavibarbis*, *Macq.*
ii. *Abdomen fulvum.* - - - - - *Copillus*, *Walk.*
b. *Alæ fuscæ.* - - - - - *Calanus*, *Walk.*

Group 1.

Structure of Group 1, page 594.

Trupanea Anicius, *Walk*; *T. Copillus*, *Walk*; *T. maculipes*, *Walk*.

Group 2.

Fœm. *Corpus elongatum.* Vertex depressus. Facies subconvexa. *Mystax* setis plurimis. Proboscis valida, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o non longior; arista articulo 3o paullo longior. Thorax setosus. Abdomen longi-oblongatum, abdomen superans, basi subpilosum, apice acuminatum, non stylatum nec compressum. Pedes robuste, spinosi, pubescentes.

Radial vein forked at a little before one-third of its length; fore fork very slightly undulating; hind fork straight till near its tip, where it is curved forward and parallel to the fore fork. Cubital and first externo-medial vein very slightly curved hindward, parallel to each other; second externo-medial straight; third slight curved,

forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Trupanea Gobares, *Walk*; *T. innotabilis*, *Walk*.

Group 3.

Mas. Corpus parce pubescens. Caput subtus dense pilosum. Facies convexa. Mystax parce setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o vix longior. Thoracis latera et scutellum setosa. Abdomen oblanceolatum, thorace multo angustius et fere duplo longius. Sexualia mediocria, hirta. Pedes robusti, setosi, parce hirti.

Radial vein forked at one-third of its length; forks parallel except towards their base, curved forward at their tips. Discal areolet very narrow at one-third of its length, opposite the veinlet which joins it to the first externo-medial. Veinlet between the first externo-medial and the cubital at three-fourths of the length of the discal areolet. Cubital and first externo-medial slightly curved, parallel to each other; second externo-medial straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Trupanea confinis, *Walk*.

53. TRUPANEA BIFASCIATA.

Fœm. *Nigra*; abdomen basi fasciis duabus albo pilosis; alæ flavidæ, areola 1a submarginali cinereo vittata.

Trupanea bifasciata, *Macq. Dipt. Exot. i. 2, 98, 14.*

Java.

54. TRUPANEA WESTERMANNII.

Cinerea; thorax vitta intermedia divisa, lateralibus bis interruptis; abdomen nigricans incisuris albis; alæ flavescens, apice subfusca.

Asilus Westermanni, *Wied*.

Trupanea Westermanni, *Macq. Dipt. Exot. i. 2, 98, 15.*

Bengal, Java.

55. TRUPANEA MACULOSA.

Fœm. *Cinerea*; abdomen in segmento singulo macula magna nigra, linea dorsali rubida; alæ hyalinæ, apice cinereæ.

Asilus maculosus, *Macq. Hist. Nat. Dipt.* i. 312, 35.

Trupanea maculosa, *Macq. Dipt. Exot.* i. 2, 100, 20.

Philippine Isles.

56. TRUPANEA JAVANA.

Fusca; abdomen albo limbatum; alæ flavidæ, apice margineque postico fuscane. Fœm.—*Terebra nigra nitens*.

Asilus Javanus, *Wied. Zool. Mag.* iii. 4, 5; *Dipt. Exot.* i. 205, 41; *Auss. Zweifl.* i. 494, 103.

Trupanea Javana, *Macq. Dipt. Exot.* i. 2, 98, 13.

Var.? *Asilus perplexus*, *Wied. Auss. Zweifl.* i. 495, 104.

Java.

57. TRUPANEA UNIVENTRIS.

Trupanea univentris, *Diptera Saundersiana*, Pt. 2, 114.

East Indies.

58. TRUPANEA AGNITA.

Mas. *Fuscana*; antennæ nigre; thorax fusco quadrivittatus; abdomen fusco-cinereoque tessellatum; pedes nigricantes; alæ subflavescentes, apice margineque postico cinereæ.

Asilus agnitus, *Wied. Zool. Mag.* iii. 35, 51; *Dipt. Exot.* i. 212, 50; *Auss. Zweifl.* i. 496, 109.

Sumatra.

59. TRUPANEA MARCII.

Atra; caput flavum; thorax flavido pilosus, trivittatus; abdomen maris segmentis tribus anticis flavido pilosis, fœm. totis macula magna nigra; alæ flavidæ.

Trupanea Marcii, *Macq. Dipt. Exot.* i. 2, 97, 11, pl. 9, f. 2.

East Indies.

60. TRUPANEA DUVAUCELII.

Nigra; palpi rufo pilosi; thorax rufo tomentosus, vittis nigris; abdominis segmenta 1o ad 3um rufo pilosa; alæ flavidæ.

Trupanea Duvaucelii, *Macq. Dipt. Exot.* i. 2, 97, 12.

Bengal.

61. TRUPANEA RUFOUNGULATA.

Cinerea; abdomen nigro maculatum; pedes atrii albedo pubescentes, unguibus rufis apice nigris; alæ subhyalinæ.

Trupanea rufoungulata, Macq. *Dipt. Exot.* i. 2, 99, 18.

Cochin China.

62. TRUPANEA HETEROPTERA.

Mas. *Cinerea*; abdominis segmenta macula magna nigra; pedes nigri; alæ flavidæ venis externo-mediis 1a et 2a conjunctis.

Trupanea heteroptera, Macq. *Dipt. Exot.* i. 2, 96, 9, pl. 9, f. 3.

Malabar.

63. TRUPANEA FUSCA.

Fœm. *Fusca*; abdomen nigro micans; pedes nigri, tibiis anterioribus externe testaceis; alæ flavidæ, postice fuscæ.

Trupanea fusca, Macq. *Dipt. Exot.* i. 2, 104, 29.

Bengal.

64. TRUPANEA HOSPES.

Fœm. *Flavida*; antennæ nigre; thorax fusco vittatus; abdomen fasciis glaucescentibus; pedes glauci, femoribus anterioribus apice subtus rufescentibus; alæ limpidæ, apice fusco-cinereæ.

Asilus Hospes, Wied. *Zool. Mag.* iii. 32, 47; *Dipt. Exot.* i. 207, 44; *Auss. Zweifl.* i. 495, 105.

Tranquebar.

65. TRUPANEA ORIENTALIS.

Atra; caput flavidum; thorax flavido tomentosus, trivittatus; abdomen cinereum, macula magna in segmento singulo nigra; tibiæ rubidæ; alæ apice fuscæ.

Trupanea orientalis, Macq. *Dipt. Exot.* i. 2, 96, 7.

East Indies.

66. TRUPANEA RUFIBARBIS.

Fœm. *Nigra*; flavido pubescens; mystax barbaque fulva; tibiæ testaceæ; alæ flavidæ, macula subapicali fusca.

Trupanea rufibarbis, *Macq. Dipt. Exot. Suppl.* 3, 25, 46, pl. 2, f. 9.

Java.

67. TRUPANEA CANA.

Cana; *caput albo hirtum*; *antennæ nigræ*; *thorax vittis nigricantibus*; *abdomen nigro fasciatum*; *tibiæ fulvæ, apice nigræ*; *alæ subflavescentes*.

Asilus canus, *Wied. Zool. Mag.* ii. 28; [*Dipt. Exot.* i. 204, 39; *Auss. Zweifl.* i. 487, 94.

Region of the Caspian Sea.

68. TRUPANEA ANICIUS.

Asilus Anicius, *Cat. of Diptera*, Pt. 2, 392.

a. North China. From Mr. Cuming's collection.

69. TRUPANEA GOBARES.

Asilus Gobares, *Cat. of Diptera*, Pt. 2, 420.

70. TRUPANEA INNOTABILIS.

Cinerea; *caput albidum, albo pilosum*; *mystax albidus*; *thorax nigro-fusco quadrivittatus*; *abdomen nigrum, segmentis cinereo fasciatis*; *pedes nigri, femoribus tibiisque ex parte rufescentibus*; *alæ subfuscæ*.

Cinereous. Head whitish behind and beneath, clothed with white hairs. *Mystax* with whitish bristles. Thorax with four blackish brown stripes; the lateral pair interrupted, almost black hindward. Pectus whitish. Abdomen black, reddish beneath, oblanceolate, about twice the length of the thorax, extending beyond the wings; hind borders of the segments with cinereous bands. Legs black, with whitish down and black spines; femora and tibiæ with reddish stripes. Wings brownish. Halteres testaceous. Length of the body $5\frac{1}{2}$ — $9\frac{1}{2}$ lines; of the wings 8—13 lines.

a—d. Sumatra. From Sir Stamford Raffles' collection.

e. Java. From the East India Company's collection.

71. TRUPANEA APICALIS.

Fœm. *Cinerea*; abdomen atrum, cinereo pubescens; femora tibiæque antica, intermediaque externe fusco testacea; alæ subflavescentibus, postice fuscæ. Long. $6\frac{1}{2}$ lin.

Trupanea apicalis, Macq. *Dipt. Exot.* i. 2, 100, 19.

Cochin China.

72. TRUPANEA MACULIPES.

Fœm. *Aurata*; thorax nigro-fusco quadrivittatus; abdomen atrum, triente apicali stylata; pedes rufi, femoribus basi, genubus, tibiis apice tarsisque nigris; alæ subhyalinæ, apice cineræ.

Head and thorax with gilded tomentum. Head with gilded hairs and mystax. Proboscis, palpi and antennæ black. Thorax with four blackish brown stripes, the lateral pair interrupted. Abdomen deep black, about twice the length of the thorax, with pale gilded tomentum on each side of the broad part, which is about twice the length of the apical style. Legs red; coxæ, femora towards the base, knees, tarsi and tips of the hind tibiæ black; anterior metatarsi reddish. Wings nearly hyaline, gray towards the tips. Halteres testaceous. Length of the body 10 lines; of the wings 16 lines.

a. Hong Kong. Presented by J. C. Bowring, Esq.

73. TRUPANEA RUBRITARSATA.

Mas. *Fusca*; abdomen nigrum, incisuris vix albidis; pedes nigri, tibiis tarsisque anterioribus testaceis; alæ subhyalinæ, apice subfuscis.

Trupanea rubritarsata, Macq. *Dipt. Exot.* i. 2, 99, 16.

Java.

74. TRUPANEA VARIPES.

Fœm. *Atra*; facies et mystax flavida; barba alba; femora subtus tibiæque rufa; alæ flavidæ.

Trupanea varipes, Macq. *Dipt. Exot.* i. 2, 97, 10; *Suppl.* 1, 79, 41.

Bengal.

75. TRUPANEA CONFINIS.

Mas. *Nigricans*; caput et pectus testaceo tomentosa, illum subtus albedo pilosum; mystax testaceus, infra niger; thorax testaceo quadrivittatus; abdomen subtus ferrugineum; segmenta dorsalia fasciis posticis interruptis albidis; pedes rufi, femoribus supra nigris, tibiis supra nigro vittatis; alæ subcinereæ, apicibus marginibusque posticis obscurioribus.

Male. Blackish. Head with testaceous tomentum, clothed beneath with whitish hairs. Mystax testaceous; a few black bristles towards the peristoma. Thorax with four testaceous stripes. Pectus testaceous. Abdomen with whitish interrupted bands on the hind borders of the segments; under side ferruginous. Legs red; femora black above; tibiæ above with black stripes. Wings grayish, darker towards the tips and along the hind borders. Length of the body 8 lines; of the wings 14 lines.

a. Java. From the East India Company's collection.

76. TRUPANEA MANILLIENSIS.

Mas. *Nigra*; abdomen basi fasciis duabus albo pilosis; pedes externe fulvi; alæ flavidæ.

Trupanea Manillensis, Macq. *Dipt. Exot.* i. 2, 194; *Suppl.* 1, 79.
Manilla.

77. TRUPANEA CONTRACTA.

Trupanea contracta, *Diptera Saundersiana*, Pt. 2, 120.
East Indies.

78. TRUPANEA TELIFERA.

Trupanea telifera, *Diptera Saundersiana*, Pt. 2, 115.
East Indies.

79. TRUPANEA SAGITTIFERA.

Trupanea sagittifera, *Diptera Saundersiana*, Pt. 2, 116.
East Indies.

80. TRUPANEA CEYLANICA.

Fœm. *Cinerea*; caput albidum; abdomen nigrum, incisuris cinereis; pedes testacei; alæ hyalinæ, apice cinereæ.

Trupanea Ceylanica, Macq. *Dipt. Exot.* i. 2, 100, 20.
Ceylon.

81. TRUPANEA FLAVIBARBIS.

Mas. *Fuscana*; *thorax flavidus*; *abdomen cinereum*, *macula magna in segmento singulo nigra*; *pedes fulvi*, *tarsis nigris*; *alæ flavescentes*.

Trupanea flavibarbis, *Macq. Dipt. Exot.* i. 2, 96, 8.

Pondicherry.

82. TRUPANEA COPILLUS.

Asilus Copillus, *Cat. of Diptera*, Pt. 2, 389.

83. TRUPANEA CALANUS.

Trupanea Calanus, *Diptera Saundersiana*, Pt. 2, 122.

East Indies.

Australia.

A. Venæ cubitalis et externo-media la non conjunctæ.

A. Alæ violaceo-fuscanæ. - - - - grandis, *Macq.*

B. Alæ sublimpidæ, apice cinereæ. - - - - canescens, *Walk.*

C. Alæ flavescentes.

a. Femora nigra. - - - - Tasmanensis, *Macq.*

B. Femora fulva. - - - - rufipes, *Macq.*

B. Venæ cubitalis et externo-media conjunctæ. - - - - clausa, *Macq.*

Group 1.

Fœm. Corpus gracile, parce pubescens, non hirtum. Caput subtus dense pilosum. Facies subconvexa. Mystax sat dense setosus. Proboscis sublanceolata. Thoracis latera, scutellum et abdominis latera basi parce setosa. Abdomen oblanceolatum, thorace fere duplo longius, alas longe superans. Pedes sat graciles, parce setosi, non hirti.

Radial vein forked at rather before half its length; forks almost parallel, except towards the base, their tips curved forward. Veinlet between the radial and the cubital at three-fourths of the length of the discal areolet; veinlet between the cubital and the first externo-medial before half the length of the discal areolet. Cubital and first externo-medial slightly curved hindward, parallel to each other; second externo-medial nearly straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal almost close to the border.

84. TRUPANEA GRANDIS.

Atra; facies mystaxque flavida, barba alba; abdomen cyanescens; tibiæ castaneæ; alæ violaceo-fuscanæ.

Trupanea grandis, *Macq. Dipt. Exot. i. 2, 101, 22.*

New Holland.

85. TRUPANEA CANESCENS.

Fœm. Cinerea; caput subtus album alboque pilosum; mystax albus; antennæ nigræ; thorax piceo bivittatus; pectus canum; abdominis segmenta nigro fasciata; pedes cinereo-rufescentes; femora nigro-cinerea; alæ sublimpidæ, apicè cinereæ.

Cinereous. Head white in front and beneath, clothed with white hairs. Mystax white. Antennæ black. Thorax with two slender parallel dorsal piceous stripes; bristles black. Pectus and metathorax hoary. Abdominal segments with broad blackish bands. Legs with cinereous tomentum and with black spines; coxæ and femora black; tibiæ and tarsi reddish. Wings nearly limp, with cinereous tips; veins black, tawny at the base. Halteres tawny. Length of the body 8 lines; of the wings 10 lines.

a. New Holland.

86. TRUPANEA TASMANENSIS.

Mas. Cinerea; mystax flavidus; antennæ pedesque nigra; thorax vittis nigris; abdomen maculis dorsalibus nigris postice rotundatis; tibiæ testaceæ; alæ flavescentes.

Trupanea Tasmanensis, *Macq. Dipt. Exot. Suppl. 2, 39, 45.*

Tasmania.

87. TRUPANEA RUFIPES.

Mas. Cinerea; mystax albus; antennæ nigræ; thorax vittis nigris, intermedia divisa; abdomen maculis dorsalibus nigris; pedes fulvi, tarsis nigris; alæ subflavescentes.

Trupanea rufipes, *Macq. Dipt. Exot. Suppl. 3, 26, 47, pl. 2, f. 8.*

New Holland.

88. TRUPANEA CLAUSA.

Mas. *Nigra*; *mystax albidus*; *abdominis incisuræ albidæ*; *alæ subflavescentes*; *venæ cubitalis ramus posticus vena externo-media longe ante marginem conjunctus*.

Trupanea clausa, *Macq. Dipt. Exot. Suppl.* 1, 80, 42, pl. 8, f. 5, New Holland.

Country unknown.

A. Pedes toti nigri.

A. *Mystax niger*.

A. *Thorax cinereus*. - - - - - *vagans*, *Wied.*

B. *Thorax fuscus*. - - - - - *incisuralis*, *Macq.*

B. *Mystax flavescens*.

A. *Thorax cinereus, nigro vittatus*. - - - *blanda*, *Wied.*

B. *Thorax fuscus nigro vittatus*. - - - *vicina*, *Macq.*

C. *Thorax flavidus, obsolete vittatus*. - - - *mærens*, *Wied.*

C. *Mystax albus*. - - - - - *separata*, *Walk.*

B. Pedes nigri, ex parte pallidi.

A. *Tarsi testaceæ*. - - - - - *longipes*, *Macq.*

B. *Tibiæ basi testaceæ*. - - - - - *incisa*, *Macq.*

C. *Tibiæ testaceæ, anticæ intus posticæ extus nigrae*.
albibarbis, *Macq.*

D. *Tibiæ fulvæ aut testaceæ*.

A. *Abdomen cinereo-fuscoque tessellatum*. - *sericans*, *Wied.*

B. *Abdomen cinereum, maculis nigris*. - - *tibialis*, *Macq.*

C. *Abdomen basi rufo pilosum*. - - - *longiterebrata*, *Macq.*

C. *Pedes castanei*. - - - - - *castanipes*, *Macq.*

D. *Femora et tibiæ rufa, apice nigra*. - - - *Amorges*, *Walk.*

E. *Pedes rufi aut fulvi*.A. *Thorax niger*.

A. *Antennæ nigrae*. - - - - - *fulvipes*, *Macq.*

B. *Antennæ fulvæ, apice nigrae*. - - - *Geminus*, *Walk.*

B. *Thorax rubidus, fusco vittatus*. - - - *dorsalis*, *Macq.*

C. *Thorax fulvus; discus fuscus, vittis dorsalibus pallidioribus duabusque nigris lateralibus*. - - - *porrecta*, *Walk.*

Group 1.

Corpus longiusculum, fere nudum. Caput subtus pilosum; vertex depressus; facies fere plana. *Mystax* setis paucis. Proboscis valida, lanceolata. *Thorax* setis nonnullis lateralibus. *Abdomen* longi-oblongatum, subpubescens, alas longe superans, basi

subpilosum, apicem versus fere cylindricum, non compressum nec stylatum, thorace duplo longius. Pedes sat graciles, parce spinosi, non pilosi.

Radial vein forked at very little beyond one-third of its length; fore fork nearly straight, joining the subcostal close to the tip of the latter. Cubital and first externo-medial very slightly converging towards each other as they approach the border; cubital joined to the radial by a veinlet at much before the end of the discal areolet, and with the præbrachial by a veinlet at very little before the middle of the discal areolet. Third externo-medial forming a very slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Trupanea separata, Walk.

Group 2.

Structure of the first African group.

Trupanea Amorges.

Group 3.

Structure of *T. annularis*.

Trupanea Geminus.

89. TRUPANEA VAGANS.

Fœm. *Cinerea*; antennæ *nigræ*; thorax *nigro vittatus*; abdomen *nigellum*, vitta *luteo*, incisuris *marginibusque lateralibus cinereis*; pedes *nigricantes*, tibiis *basi castaneo fuscescentibus*; alæ *subflavescentes*, apice *marginæque postico fuscescentes*.

Trupanea vagans, Wied. *Auss. Zweifl.* i. 488, 95.

90. TRUPANEA INCISURALIS.

Mas. *Fuscana*; thorax *nigro vittatus*; abdomen *nigrum*, incisuris *albidis*; pedes *nigri*; alæ *fuscanæ*.

Trupanea incisuralis, Macq. *Dipt. Exot.* i. 2, 107, 38; *Suppl.* 1, 80.

91. TRUPANEA BLANDA.

Cinerea; thorax *nigro-fusco quadrivittatus*; abdomen *fasciis albidis maculisque fuscis*; pedes *nigri*; alæ *flavescentes*, apice *cinereo-fuscæ*.

Asilus blandus, Wied. *Auss. Zweifl.* i. 497, 108.

92. TRUPANEA VICINA.

Fœm. *Fusca*; thorax vittis nigris; abdomen albo limbatum; pedes nigri; alæ hyalinæ, areolarum discis et apice fuscis.

Trupanea vicina, Macq. *Dipt. Exot.* i. 2, 105, 33.

93. TRUPANEA MÆRENS.

Fœm. *Flavida*; antennæ nigræ; thorax obsolete vittatus; abdomen glabrum, nigrum, fasciis marginibusque cinereis; alæ flavæ; pedes crassi, nigri.

Asilus mærens, Wied. *Auss. Zweifl.* i. 493, 101.

94. TRUPANEA SEPARATA.

Fœm. *Obscure cinerea*; caput albido tomentosum, subtus albo hirtum; antennæ nigræ; mystax albus; pectus cano tomentosum; abdomen apicem versus nigrum nitens; alæ fusco-cinereæ.

Fem. Dark gray. Head with whitish tomentum, clothed beneath with white hairs. Mystax with white bristles. Antennæ black. Abdomen black and shining towards the tip. Legs with black spines. Wings brownish gray; veins black. Length of the body 11 lines; of the wings 16 lines.

95. TRUPANEA LONGIPES.

Mas. *Gracilis, rufo-cinerea*; thorax nigro vittatus; abdomen albo fasciatum; pedes elongati nigri, tarsis testaceis; alæ flavescences, apice subfuscæ.

Trupanea longipes, Macq. *Dipt. Exot.* i. 2, 103, 28, pl. 9, f. 5.

96. TRUPANEA INCISA.

Mas. *Atra*; thorax flavo-cinereus, nigro vittatus; abdominis incisuræ albida; tibiæ basi testaceæ; alæ flavida, apice fuscæ.

Trupanea incisa, Macq. *Dipt. Exot.* i. 2, 106, 35.

97. TRUPANEA ALBIBARBSIS.

Fœm. *Cinerea*; abdominis segmentum singulum macula magna nigra; pedes nigri; tibiis testaceis, anticis intus posticis extus nigris; alæ flavida, apice fuscæ.

Trupanea albibarbis, *Macq. Dipt. Exot.* i. 2, 105, 32.

Trupanea tibialis, *fæm.*?

98. TRUPANEA SERICANS.

Suborichalcea; *antennæ nigrae*; *thorax fusco vittatus*; *abdomen cinereo-fuscoque subtessellatum*; *pedes nigri, tibiis fulvis*; *alæ subflavescentes, apice fusco-cinereæ.*

Asilus sericans, *Wied. Auss. Zweifl.* i. 495, 107.

99. TRUPANEA TIBIALIS.

Mas. Cinerea; *abdominis segmentum singulum macula magna nigra*; *femora tarsique nigra, tibiæ rufæ*; *alæ fuscanae.*

Trupanea tibialis, *Macq. Dipt. Exot.* i. 2, 104, 31.

100. TRUPANEA LONGITEREBRATA.

Fæm. Nigra; *thorax rufus nigro vittatus*; *abdominis segmenta 1o ad 3um rufo pilosa*; *tibiæ testaceæ*; *alæ fuscanae.*

Trupanea longiterebrata, *Macq. Dipt. Exot.* i. 2, 105, 34.

101. TRUPANEA CASTANIPES.

Mas. Fuscano-cinerea; *abdomen incisuris anoque albis*; *pedes castanei*; *alæ fuscanae.*

Trupanea castanipes, *Macq. Dipt. Exot.* i. 2, 107, 39.

102. TRUPANEA AMORGES.

Asilus Amorges, *Cat. of Diptera*, Pt. 2, 391.

103. TRUPANEA FULVIPES.

Mas. Atra; *scapulæ testaceæ*; *abdomen incisuris albidis, basi flavido piloso*; *pedes fulvis*; *alæ subflavescentes.*

Trupanea fulvipes, *Macq. Dipt. Exot.* i. 2, 106, 37.

104. TRUPANEA GEMINUS.

Asilus Geminus, *Cat. of Diptera*, Pt. 2, 396.

105. TRUPANEA DORSALIS.

Cinerea ; *caput albidum* ; *thorax rubidus, fusco vittatus* ; *abdomen fuscum, vitta dorsali cinerea, incisuris albidis* ; *pedes rufi* ; *ala subflavescentes.*

Trupanea dorsalis, *Macq. Dipt. Exot. i. 2, 106, 36, pl. 9, f. 4.*

106. TRUPANEA PORRECTA.

Trupanea porrecta, *Diptera Saundersiana, Pt. 2, 126.*

Genus 4. ERAX.

Corpus non depressum, nec ciliatum. Facies valde prominens. Maris sexualia magna, producta, *fæm.* terebra extensa. Alarum vena radialis simplex ; cubitalis furcata ; furca antica sæpissime ramulum rejiciens.

Erax, Scopoli ; Serville. Macq. Dipt. Exot. i. 2, 107.

Asilus p., Fabr. ; Wied.

Erax et Eristicus, Loew.

Loew describes *Erax* and his new genus *Eristicus* by the following characteristics, but does not mention the types of either genus :—

ERAX.

Abdomen plus minusve compressum.

Mas. Sexualia magna, compressa, elevata.

Fæm. Sexualia longa, valde compressa.

Erax, Loew, Linn. Ent. iii. 395, 3, 403.

ERISTICUS.

Abdomen depressum.

Mas. Sexualia latissima, valde incrassata, non elevata.

Fæm. Sexualia brevissima, plus minusve depressa.

Eristicus, Loew, Linn. Ent. iii. 396, 4, 403.

This genus appears to connect *Mallophora* and *Trupanea* with the other *Asilites*, as regards the neuration of the wings. In *Erax* the branch which is very generally emitted from the angle of the fore fork of the cubital vein is only rudimentary, but in *Trupanea* it is continued backwards to the radial, and thus the latter has the appearance of being forked, and the cubital of being simple, and connected with the radial by a short transverse veinlet. The

difference may be thus described: Fore cubital fork emitting a vein which extends to the radial vein (Mallophora, Trupanea). Fore cubital fork emitting a rudimentary vein, or none (Erax, Asilus, &c.).

North America.

- A. Pedes nigri. - - - - - lateralis, *Macq.*
 B. Femora nigra.
 A. Tibiæ badiæ.
 A. Thorax canus, nigro vittatus. - - - niger, *Wied.*
 B. Thorax fuscescens, vittis nigris. - - - pogonius, *Wied.*
 C. Thorax non vittatus. - - - completus, *Macq.*
 B. Tibiæ tarsique badia.
 A. Alæ dilatatæ. - - - - - macrolabis, *Wied.*
 B. Alæ non dilatatæ. - - - - - Antiphon, *Walk.*
 C. Tibiæ anteriores testaceæ. - - - - - rufibarbis, *Macq.*
 D. Tibiæ testaceæ aut rufæ, apice nigræ.
 A. Thorax niger.
 a. Alæ flavidæ aut hyalinæ.
 i. *Mas.* Abdominis segmenta tria apicalia alba. Bastardi, *Macq.*
 ii. *Mas.* Abdominis segmenta duo apicalia alba. albibarbis, *Macq.*
 b. Alæ subrufescentes. - - - - - tibialis, *Macq.*
 B. Thorax fuscus. - - - - - incisuralis, *Macq.*
 C. Thorax rubido-fuscus. - - - - - æstuans, *Linn.*
 D. Thorax suborichalceus. - - - - - apicalis, *Wied.*
 E. Tibiæ testaceæ. - - - - - vicinus, *Macq.*
 B. Pedes testacei.
 A. Femora nigra. - - - - - femoratus, *Macq.*
 B. Femora subtus nigra. - - - - - ambiguus, *Macq.*
 C. Pedes picei; tibiæ ferruginæ, apice piceæ. Duscyllus, *Walk.*
 D. Pedes rufi aut testacei.
 A. Abdominis segmenta duo apicalia alba. - - - notabilis, *Macq.*
 B. Abdomen argenteum, maculis dorsalibus nigris. argyrogaster, *Macq.*

Group 1.

Corpus sat gracile, hirtum, setosum. Facies apud epistoma valde convexa. Mystax dense setosus. Proboscis valida, linearis. Antennarum articulus 3us subfusiformis, 1o paullo brevior; arista 3o duplo longior. Abdomen alas superans. Pedes validi, hirti, spinosi. *Mas.*—Sexualia magna. *Fæm.*—Abdomen triente apicali stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half its length; forks very slightly undulating, slightly approaching each other near each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is much longer than the basal side of the angle. First externo-medial vein slightly curved; second straight; third curved, forming a hardly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal near the border.

Erax niger, *Wied.*; *E. femoratus*, *Macq.*; *E. Dascyllus*, *Walk.*

Group 2.

Mas. Corpus elongatum, parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax sat dense setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum subsetosa. Abdomen alas longe superans. Sexualia magna. Pedes validi, hirti, spinosi.

Radial vein nearly straight, joining the subcostal far from the tip of the latter. Cubital forked at rather before two-thirds of its length; fore fork forming a nearly right angle whose basal side is a little longer than the branch which it emits; hind fork slightly undulating. First and second externo-medial veins nearly straight; third almost straight, forming a hardly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal near the border.

Erax Antiphon, *Walk.*

Group 3.

Mas. Corpus robustum, valde hirtum. Caput subtus densissime pilosum. Facies parum convexa. Mystax densissime setosus. Proboscis sublanceolata. Thoracis latera et scutellum setosa. Abdomen alis multo longius. Pedes robusti, spinosi, pilisque longis densissime hirti.

Radial vein hardly undulating, joining the subcostal at some distance from the tip of the latter. Cubital forked at half its length; forks very slightly curved, slightly approaching each other towards each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the inner side of the angle. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the

præbrachial, which is much curved, joining the fourth far from the border. Subanal joining the anal very near the border.

Erax rufibarbis, *Macq.*

Group 4.

Mas. Corpus elongatum, parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o fere triplo longior. Thoracis latera et scutellum setis nonnullis. Abdomen alas superans. Sexualia maxima. Pedes validi, spinosi, hirti.

Radial vein almost straight, joining the subcostal rather far from the tip of the latter. Cubital forked at very much beyond half its length; forks converging towards each end; fore fork very slightly curved, forming at its base an obtuse angle, which emits a branch; the latter is much longer than the basal side of the angle; hind fork rather deeply curved. First, second and third externomedial veins very slightly curved; third forming an almost right angle with the præbrachial, joining the fourth at far from the border. Subanal joining the anal at some little distance from the border.

Erax Bastardi, *Macq.*

Group 5.

Mas. Corpus parce pilosum. Caput subtus densissime hirtum. Facies valde convexa. Mystax densissime setosum. Proboscis linearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera parce setosa. Sexualia maxima, pilosa. Pedes robusti, pilosi, spinosi.

Male. Radial vein straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half its length; forks slightly curved, slightly converging towards each end; fore fork forming at its base an obtuse angle, which emits a branch that is shorter than its basal side. First and second externomedial veins nearly straight; third slightly curved, forming a nearly right angle with the præbrachial, joining the fourth far from the border. Wings slightly or hardly dilated along the costa at two-thirds of the length.

Erax æstuans, *Linn.*

Group 6.

Corpus mediocre, parce hirtum. Caput subtus pilosum. Facies apud epistoma valde convexa. Mystax dense setosus. Proboscis

valida, lanceolata. Antennarum articulus 3us lanceolatus, 1o paulo longior; arista 3o vix longior. Thorax utrinque parce setosus. Abdomen oblanceolatum, fere nudum. Pedes validi, pilosi. *Mas.*—Abdomen alas longe superans. Sexualia mediocria. Pedes pilosi. *Fœm.*—Abdomen alas longe superans, apicem versus subcompressum et subattenuatum. Pedes parce pilosi.

Fem. Radial vein nearly straight, joining the subcostal at rather far from the tip of the latter. Cubital vein forked at before half its length; the forks very slightly curved, converging towards their base, and more slightly so towards their tips; fore fork forming at its base a right angle, which emits a branch; the latter is full twice the length of the basal side of the angle. First and second externo-medial veins nearly straight; third curved, forming a nearly right angle with the præbrachial, which is curved, joining the fourth at very far from the border. Subanal joining the anal at some little distance from the border.

A. apicalis, *Wied.*

1. ERAX LATERALIS.

Ater; abdominis latera albido maculata, segmenta ultima albida medio testacea aut nigra; alæ fuscane.

Erax lateralis, *Macq. Dipt. Exot. i. 2, 116, 21.*

Philadelphia.

2. ERAX NIGER.

Fœm. *Niger*; *mystax albidus*; *thorax canus*, *nigro vittatus*; *tibiæ badiæ*; *alæ flavescentes.*

Asilus niger, *Wied.*

Georgia.

3. ERAX POGONIAS.

Fuscaneus; *mystax albidus*; *thorax obsoletissime nigro vittatus*; *pedes nigri*, *tibiis badiis apice nigris*; *alæ flavescentes.*

Dasypogon barbatus, *Fabr. Syst. Antl. 169, 22.*

Asilus pogonias, *Wied. Dipt. Exot. i. 198, 29*; *Auss. Zweifl. i. 460, 54.*

North America.

4. ERAX COMPLETUS.

Mas. *Ater*; *barba alba*; *abdominis segmenta duo apicalia nivea*; *tibiæ castaneæ*; *alarum venæ flavo limbatæ*, *vena submarginali externa integra.*

Erax completus, *Macq. Dipt. Exot.* i. 2, 117, 23, pl. 9, f. 9.
North America.

5. ERAX MACULABIS.

Mas. *Nigellus*; *thorax vittis cinereis*; *abdomen vittis canis*; *segmenta quatuor apicalia subargentea*; *tibiæ tarsique badia*; *alæ flavescentes*; *costa apice incrassata*.

Asilus maculabis, *Wied.*

6. ERAX ANTIPHON.

Mas. *Niger*; *caput album, subtus albo pilosum*; *mystax niger, infra albus*; *thorax ferrugineo quadrivittatus*; *abdominis segmenta marginibus posticis ferrugineis*; *tibiæ tarsique obscure rufa*; *alæ subfuscæ*.

Asilus Antiphon, *Cat. of Diptera*, Pt. 2, 397.

The previous description of this species is erroneous.

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

7. ERAX RUFIBARBIS.

Ater; *mystax rufus*; *abdominis segmenta incisuris cinereis, maris segmenta duo apicalia alba*; *tibiæ anteriores testaceæ*; *alæ maris limpidæ, fœm. venis fusco limbatis*.

Erax rufibarbis, *Macq.*

North America.

8. ERAX BASTARDI.

Ater; *abdominis segmenta maris tria apicalia nivea, fœm. omnia albido marginata*; *tibiæ rufæ, apice nigræ*; *alæ flavidæ*.

Erax Bastardi, *Macq. Dipt. Exot.* i. 2, 117, 25, pl. 9, f. 7.

North America.

9. ERAX ALBIBARBIS.

Mas. *Ater*; *abdomen basi segmentaque duo apicalia argentea*; *tibiæ rufæ apice nigræ*; *alæ hyalinæ*.

Erax albibarbis, *Macq. Dipt. Exot.* i. 2, 118, 26.

North America.

10. ERAX TIBIALIS.

Fœm. *Ater*; *abdominis latera incisuris et venter cinereis*; *tibiæ testaceæ apice nigræ*; *alæ subrufescentes*. Long. $6\frac{1}{2}$ lin.

Erax tibialis, *Macq. Dipt. Exot. i. 2, 118, 27.*

Philadelphia. St. Domingo. Cayenne.

11. ERAX INCISURALIS.

Fœm. Fuscus; abdominis incisuræ lateraque albida, terebra longa; tibiæ testaceæ, apice nigræ; alæ subfuscæ.

Erax incisuralis, *Macq. Dipt. Exot. i. 2, 117, 24.*

Philadelphia.

12. ERAX ÆSTUANS.

Rubido-fuscus; thorax nigro lineatus; abdomen tessellatum; maris segmenta duo penultima alba; alæ dilatatæ.

Asilus æstuans, *Linn.*

United States. Brazil.

13. ERAX APICALIS.

Fœm. Suborichalceus; mystax albus; antennæ nigræ; thorax nigro vittatus; abdomen nigrum, maculis trigonis lateralibus incisurisque canis; tibiæ rubidæ, apice nigræ; alæ limpidæ, apice subfuscescentes.

Asilus apicalis, *Wied. Dipt. Exot. i. 191, 16; Auss. Zweifl. i. 443, 28.*

North America.

14. ERAX VICINUS.

Mas. Niger; thorax fuscus, vittis nigris; abdomen basi apiceque album; tibiæ testaceæ; alæ subflavescentes.

Erax vicinus, *Macq. Dipt. Exot. Suppl. 1, 85, 36.*

Texas.

15. ERAX FEMORATUS.

Mas. Ater; abdominis latera et venter cinerea; segmenta tria apicalia argentea; pedes testacei, femoribus nigris; alæ rufescentes, subdilatatæ.

Erax femoratus, *Macq.*

Carolina.

16. ERAX AMBIGUUS.

Niger; thorax cinereus vittis nigris; abdomen fasciis albidis, ano brevi; pedes testacei, femoribus subtus nigris; alæ subflavescentes.

Erax ambiguus, Macq. Dipt. Exot. Suppl. 1, 84, 34.

Texas. Merida de Yucatan.

17. ERAX DASYLLUS.

Asilus Dasyllus, Cat. of Diptera, Pt. 2, 401.

18. ERAX NOTABILIS.

Mas. Ater; abdominis latera et venter cinerea, segmenta duo apicalia albida; pedes rufi; alæ subrufescentes, dilatatae; furca cubitalis antica ramulo nullo.

Erax notabilis, Macq. Dipt. Exot. i. 2, 110, 6, pl. 9, f. 8.

North? America.

19. ERAX ARGYROGASTER.

Thorax cinereus, vittis nigris; abdomen argentum, maculis dorsalibus nigris; pedes testacei; alæ subflavescentes.

Erax argyrogaster, Macq. Dipt. Exot. Suppl. 1, 84, 35.

Merida, Yucatan.

Mexico.

Group 1.

Corpus longe et dense pilosum. Facies valde convexa. Mystax densissimus. Proboscis robusta, lanceolata. Thorax gibbosus, carina hirsutissima. Pedes validi, hirti, spinosi. *Mas.*—Abdomen alas non superans. Sexualia maxima. *Fem.*—Abdomen alas longe superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; forks slightly curved, converging towards each end; fore fork forming at its base an obtuse angle, which emits no branch. First and second externo-medial veins nearly straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at a short distance from the border. *Male.*—Wings dilated in front towards the tips; dilated part ribbed transversely.

20. ERAX APER.

Piceus, nigro et ferrugineo hirtus; caput subtus albido pilosum. Mystax nigro et albido, setosus; thorax ferrugineo bivittatus; fasciculo postico albido; pectus ferrugineum; pedes nigri, tarsi basi tibiisque rufis; alæ fusæ. Mas.—Abdomen fascia lata alba. Fœm.—Abdominis latera cervina.

Piceous. Head with whitish hairs. Mystax with black and whitish bristles. Thorax with black dorsal hairs and with testaceous bristles on each side and on the scutellum. Tarsi towards the base and tibiæ red. Wings brown; veins black. *Male*.—Abdomen with black hairs, and with some white hairs about the middle part, where there is a broad white band. *Fem*.—Abdomen with testaceous hairs. Length of the body 7—10 lines; of the wings 15—16 lines. *a, b. Mexico. From Mr. Glennie's collection.*

West Indies.

A. Pedes nigri.

A. Thorax nigro quadrivittatus. - - - Caudex, *Walk.*
 B. Thorax nigro trivittatus. - - - invarius, *Walk.*

B. Tibiæ fulvæ.

A. Mystax niger, albido mixtus.

A. Alæ flavescens. - - - rufitibia, *Macq.*
 B. Alæ limpidæ, apice subfuscescentes. - - fortis, *Walk.*

B. Mystax albus. - - - Haitensis, *Macq.*

C. Tibiæ tarsi que testacea. - - - fulvibarbis, *Macq.*

D. Pedes pallidi; femora ex parte, tibiæ apice tarsi que nigra.
 Halæsus, *Walk.*

Group 1.

Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis valida, lanccolata. Antennarum articulus 3us longiconicus, 1o brevior, aristæ dimidio multo brevior. Thorax hirtus. Abdomen subpubescens, basi hirtum, alas superans. Pedes validi, hirti, spinosi. *Mas*.—Sexualia maxima. *Fœm*.—Abdomen triente apicali stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half its length; the forks very slightly curved, slightly converging at each end. First, second and third externo-medial veins slightly curved; third forming an obtuse angle with the præbrachial, joining the

fourth far from the border. *Male*.—Branch of the fore fork of the cubital vein shorter than the basal side of the angle. *Fem*.—Branch shorter than the angle.

Erax Caudex, *Walk*.

Group 2.

Mas. Corpus mediocre, robustum, hirtum. Caput subtus, densissime pilosum. Facies valde convexa. Mystax densissimus. Proboscis lauceolata. Antennarum articulus Ius 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 3o triplo longior. Thoracis latera parce setosa. Abdominis dimidium basale pilosum. Sexualia maxima, subtus hirsutissima. Pedes validi, pilosi, spinosi.

Wings ribbed and slightly dilated in front along the stigma. Cubital vein forked at very much beyond half its length; forks hardly undulating; fore fork forming near its base an obtuse angle, which emits a very minute rudimentary vein. First and second externo-medial veins almost straight; third hardly curved, forming a nearly right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Erax fortis, *Walk*.

Group 3.

Mas. Corpus sat gracile, vix hirtum. Caput subtus pilosum. Facies convexa. Mystax setis paucis. Proboscis sublanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas superans. Sexualia magna. Pedes validi, parce spinosi; femora subpilosa.

Radial vein as usual. Cubital vein forked at very much beyond half its length; forks slightly curved, converging more towards the base than towards the tips; fore fork emitting at its base a slightly obtuse angle, which emits a branch; the latter is not more than half the length of the basal side of the angle. Externo-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Halæsus, *Walk*.

21. ERAX CAUDEX.

Asilus Caudex, *Cat. of Diptera*, Pt. 2, 404.

22. ERAX INVARIUS.

Erax invarius, *Diptera Saundersiana*, Pt. 2, 131.

Jamaica.

23. ERAX RUFITIBIA.

Fœm. *Ater*; *mystax niger*, *albido mixtus*; *thorax albo lineatus*; *abdomen incisuris lateribusque cinereis*, *segmento ultimo albo*; *tibiæ fulvæ*; *alæ flavescentes*.

Erax rufitibia, *Macq. Dipt. Exot. Suppl.* 3, 27, 42, pl. 2, f. 11.

St. Domingo. Rio Negro.

24. ERAX FORTIS.

Mas. *Niger*, *cinereo tomentosus*; *caput subtile albidum alboque pilosum*; *mystax albo pilosus*, *setis nonnullis superioribus nigris*; *thorax vittis tribus latis nigris*; *abdominis segmenta posteriora marginibus posticis testaceis*; *tibiæ fulvæ*, *apice nigræ*; *tarsi subtile rufescentes*; *alæ limpidæ*, *apices versus subfuscescentes*.

Male. Black, with cinereous tomentum. Head whitish and thickly clothed with white hairs beneath. *Mystax* white, excepting a few black bristles on the higher part. Thorax with three broad black stripes, the lateral pair interrupted. Fourth, fifth and sixth abdominal segments with testaceous hind borders. Legs with white hairs, and with black and white spines; *tibiæ* tawny, with black tips; *tarsi* piceous at the base, reddish beneath. Wings limpid, very slightly brownish towards the tips and along part of the hind borders; veins black, tawny towards the base. Halteres tawny, with blackish knobs. Length of the body 7 lines; of the wings 9 lines.

a. St. Domingo. From Mr. Hearne's collection.

25. ERAX HAITENSIS.

Mas. *Ater*; *mystax albus*; *thorax lineis cinereis*; *tibiæ fulvæ*; *alæ flavescentes*, *maris dilatata*, *venæ cubitalis furca antica simplici*.

Erax Haitensis, *Macq. Dipt. Exot. Suppl.* 3, 28, 45, pl. 2, f. 10.

St. Domingo.

26. ERAX FULVIBARBIS.

Fœm. *Niger*; *facies et frons luteæ*; *thorax fulvus, vittis nigris*; *abdomen maculis lateralibus albis*; *tibiæ tarsique testacea*; *alæ subfuscæ, basi costaque limpidaæ.*

Erax fulvibarbis, *Macq. Dipt. Exot. Suppl.* 3. 28, 44, pl. 2, f. 13.
St. Domingo.

27. ERAX HALÆSUS.

Asilus Halæsus, *Cat. of Diptera*, Pt. 2, 405.
Jamaica.

South America.

A. Alæ fuscæ aut subfuscæ.

A. Pedes toti nigri.

A. Venæ cubitalis furca antica ramulum non rejiciens.

a. Alæ subdilatatæ. - - - - fulvithorax, *Macq.*

b. Alæ non dilatatæ. - - - - culiciformis, *Walk.*

B. Venæ cubitalis furca antica ramulum rejiciens.

a. Thorax fulvus nigro quadrivittatus.

i. Abdominis latera alba. - - - - Lades, *Walk.*

ii. Abdominis latera nigra. - - - - Parphorus, *Walk.*

b. Thorax canus, nigro bivittatus. - - - - dilectus, *Walk.*

B. Pedes nigri; tibiæ pallidæ, apice nigræ.

A. Tibiæ nigro non vittatæ.

a. Thorax niger. - - - - subappendiculatus, *Macq.*

b. Thorax ferrugineus, vittis quatuor nigris.
Potamon, *Walk.*

c. Thoracis discus fuscus, vittis tribus cinereis.
commiles, *Walk.*

B. Tibiæ nigro vittatæ. - - - - Amphissa, *Walk.*

C. Pedes nigri; tibiæ pallidæ.

A. Alæ albo non strigatæ.

a. Thorax fuscus. - - - - obscurus, *Macq.*

b. Thorax cinereus, vittis nigris. - - - - nigrimystaceus, *Macq.*

c. Thorax fulvidus, vittis nigris. - - - - fuscipennis, *Macq.*

B. Alarum venæ albido limbatæ. - - - - singularis, *Macq.*

D. Pedes rufi; femora supra, tibiæ posticæ intus tarsique nigra.
rufipes, *Macq.*

E. Femora et tibiæ fulva, apice nigra. - - - - Mygdon, *Walk.*

F. Pedes fulvi; tarsi nigri.

A. Mystax supra niger, subtus flavidus. heteropterus, *Macq.*

B. Mystax albidus. - - - - rufithorax, *Macq.*

B. Alæ flavæ aut flavescentes.

A. Pedes nigri (*E. maculatus*, var. Femora tibiæque supra testacea).

A. Thorax non vittatus.

a. Thorax niger. - - - - - griseus, *Guérin*.

b. Thorax cinereus. - - - - - maculatus, *Macq.*

B. Thorax schisticolor, nigro vittatus. - - - - - tristis, *Wied.*

c. Thorax cinerascens, nigro vittatus. - - - - - nigrinus, *Wied.*

D. Thorax lineis albidis. - - - - - minor, *Macq.*

B. Pedes picei. - - - - - striola, *Fabr.*

C. Pedes nigri; femora tibiæque intus testacea.

flavianalis, *Macq.*

D. Pedes nigri; femora apice, tarsi basi tibiæque rubida.

A. Abdominis segmenta duo apicalia nivea.

pyrrhogonus, *Wied.*

B. Abdominis segmenta tria apicalia nivea. medianus, *Wied.*

E. Pedes mellei; femora supra, tibiæ tarsisque postica fusca.

virilis, *Wied.*

F. Pedes rufescentes; femora supra nigro-fusca.

eurylabis, *Wied.*

G. Pedes nigri; tibiæ fulvæ apice nigræ, anticæ intus nigræ.

flavo-fasciatus, *Wied.*

H. Pedes nigro-fusci; tibiæ rufescentes, apice nigræ.

lascivus, *Wied.*

I. Pedes nigri; tibiæ pallidæ.

A. Thorax vittis nigris.

a. Fœminæ abdomen incisuris subargenteis.

labidophorus, *Wied.*

b. Fœminæ abdomen marginibus fulvis. Bondyllis, *Walk.*

B. Thorax vittis fuscis. - - - - - fuscus, *Wied.*

J. Pedes fulvi; femora apice nigra; tibiæ posticæ fuscescentes.

copulatus, *Wied.*

K. Pedes rufi. - - - - - flavidus, *Macq.*

L. Pedes flavi. - - - - - mellinus, *Wied.*

A. Antennarum articulus 3us simplex.

B. Antennarum articulus 3us basi bilobus. nodicornis, *Wied.*

C. Alæ cinereæ. - - - - - velox, *Wied.*

D. Alæ hyalinæ, apice flavescentes aut rufescentes.

A. Femora nigra. - - - - - stylatus, *Fabr.*

B. Femora rufa. - - - - - simplex, *Macq.*

E. Alæ limpidae, venis subcostalibus apice fusco limbatis.

melanacrus, *Wied.*

F. Alæ hyalinæ aut subhyalinæ.

A. Antennæ nigræ.

- A. Thorax cinerascens, vittis fuscis. - - - senilis, *Wied.*
 B. Thorax flavidus, vittis fuscis. - - - flavidus, *Wied.*
 C. Thorax niger. - - - - - hyalipennis, *Macq.*
 D. Thorax cinereus, nigro vittatus.
 a. Femora apice tibiæque fulva. - - - parvus, *Walk.*
 b. Tibiæ intus basi fulvæ. - - - pumilus, *Walk.*

B. Antennæ fulvæ, apice nigræ.

- A. Pedes nigri. - - - - - Sicyon, *Walk.*
 B. Pedes ferruginei. - - - - - Stimicon, *Walk.*

Group 1.

Mas. Corpus parvum. Caput subtus dense pilosum. Facies valde convexa. Mystax dense setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus; 1o brevior; arista 3o plus triplo longior. Thorax abdominis dimidio longior, utrinque et postice setosus. Abdomen subcylindricum, basi usque ad sexualia subattenuatum, alas superans. Sexualia maxima; forceps brevis, latissimus. Pedes robusti, spinosi, subtus pubescentes.

Cubital vein forked at a little beyond half its length; forks nearly straight, diverging from each other at their tips; fore fork forming near its base an obtuse angle, which emits no branch; first and second externo-medial veins nearly straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Erax culiciformis, Walk.

Group 2.

Fem. Corpus parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis lanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas longe superans, triente apicali stylata. Pedes validi, spinosi, pilosi.

Cubital vein forked at beyond half its length; forks very slightly undulating, most remote from each other about the middle part; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming a slightly obtuse angle with the præbrachial, joining

the fourth far from the border. Subanal joining the anal near the border.

Erax Lades, *Walk.*

Group 3.

Fœm. Corpus vix mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o multo longior. Thorax abdominis dimidio longior, setis nonnullis lateralibus et posticis. Abdomen oblanceolatum, alas vix superans, apice compressum et acuminatum, non stylatum. Pedes robusti, spiniosi, pubescentes.

Cubital vein forked at much before half its length; fore fork forming at its base an almost right angle, the latter emitting a branch, which is nearly twice the length of the basal side of the angle; hind fork slightly curved. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border; subanal joining the anal at a short distance from the border.

Erax dilectus, *Walk.*

Group 4.

Corpus gracile, vix hirtum. Caput subtus dense pilosum. Facies convexa. Mystax setis sat paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o paullo longior. Thoracis latera et scutellum parce setosa. Abdomen alas vix superans. Pedes sat graciles, parce setosi, vix hirti. *Mas.*—Sexualia mediocria. *Fœm.*—Abdominis quinties apicalis compressa, non stylata.

Cubital vein forked at before half its length; forks nearly parallel to each other; fore fork very slightly curved, inclined forward at its tip, forming at its base an obtuse and rounded angle, which emits no branch; hind fork nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Amphissa, *Walk.*

This species appears to be on the limits of the genus *Erax*, and may be an *Eristicus* of Loew.

Group 5.

Mas. Corpus parce et breviter hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o plus duplo longior. Thoracis latera et scutellum parce setosa. Abdomen alis paullo longius. Sexualia maxima, hirta. Pedes robusti, breviusculi, spinosi, parce hirti.

Cubital vein forked at beyond half its length; forks hardly curved, very slightly converging at each end; fore fork emitting at its base a slightly obtuse angle, which emits a branch; the latter is as long as the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming an almost right angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very near the border.

Erax obscurus, Macq.

Group 6.

Corpus crassum, vix hirtum. Caput subtus dense pilosum. Facies convexa. Mystax setis plurimis. Proboscis lanceolata. Antennarum articulus 1us 2o fere duplo longior; 3us lanceolatus, 1o æqualis; arista 3o multo longior. Thoracis latera et scutellum setis nonnullis. Abdomen alas non superans. Pedes robusti, spinosi, breviter hirti. *Mas.*—Sexualia mediocria. *Fæm.*—Abdomen apice compressum, non stylatum.

Cubital vein forked at much before half its length; forks approaching much nearer each other towards the base than towards the tips; fore fork nearly straight, forming at its base a slightly obtuse angle, which emits a branch; the latter is much longer than the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather near the border.

This is one of the least typical groups of *Erax*.

Erax striola, Fabr.

Group 7.

Mas. Corpus vix hirtum. Caput subtus [densissime pilosum. Facies convexa. Mystax parce setosus. Proboscis sublanceolata.

Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o æqualis; arista 3o paullo longior. Thoracis latera et scutellum parce setosa. Abdomen alas paullo superans. Sexualia mediocria. Pedes robusti, hirti, spinosi.

Cubital vein forked at before half its length; fore fork nearly straight, forming at its base a nearly right angle, which emits a branch; the latter is nearly twice the length of the basal side of the angle; hind fork slightly curved, approaching the fore fork at each end. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax flavo-fasciata, Wied.

Group 8.

Fam. Corpus parce hirtum. Caput subtus densissime pilosum. Facies sat convexa. Mystax dense setosus. Proboscis linearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o fere duplo longior. Thoracis latera parce setosa. Abdomen alis longius, triente apicali stylata.

Cubital vein forked at much beyond half its length; forks hardly curved, slightly approaching each other at the base and near the tips; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is not longer than the basal side of the angle. First, second and third externo-medial veins almost straight; third forming a nearly right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax lascivus, Wied.

Group 9.

Fam. Corpus parce pubescens, non hirtum. Caput subtus densissime pilosum. Facies valde convexa. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 2o triplo longior. Thoracis latera et scutellum setis paucis. Abdomen alas superans, triente apicali stylata. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at beyond half its length; forks very slightly curved, slightly converging at each end; fore fork forming at its base an obtuse angle, which emits a branch; the latter is about as long as the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming a very slightly obtuse

angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Erax Bardyllis, *Walk.*

In this species, as in some others, the basal side of the angle of the fore fork of the cubital is occasionally double, and the third externo-medial vein is continued across the fourth to the border.

Group 10.

Fœm. Corpus vix hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o fere triplo longior. Thoracis latera et scutellum parce setosa. Abdomen alas superans, triente apicali stylata. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at rather beyond half its length; forks very slightly curved, approaching much nearer each other towards the base than towards the tips; fore fork forming at its base a hardly obtuse angle; the latter emitting a branch which about equals it in length. First and second externo-medial veins almost straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Erax fuscus, *Wied.*

Group 11.

Corpus sat gracile, parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum parce setosa. *Mas.*—Abdomen alas vix superans. Sexualia magna. *Fœm.*—Abdomen alas paullo superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; forks hardly undulating, approaching each other at the base and near the tips; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is not longer than the basal side of the angle. First and second externo-medial veins nearly straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal very near the border.

Erax stylatus, *Fabr.*

Group 12.

Mas. Corpus sat dense hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum parce setosa. Abdomen alas superans. Sexualia magna. Pedes robusti, spinosi, breviter hirti.

Cubital vein forked at much beyond half its length; forks very slightly curved, converging towards the base, and more slightly towards the tips; fore fork forming at its base a very slightly obtuse angle, which emits a branch; the latter is longer than the basal side of the angle. First, second and third externo-medial veins hardly curved; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax senilis, *Wied.*

Group 13.

Fæm. Corpus robustum. Caput subtus valde pilosum. Facies convexa. Mystax dense setosus. Proboscis linearis, sat gracilis. Antennarum articulus 3us longiconicus, 1o æqualis, arista brevior. Thorax parce setosus. Abdomen nudum, oblongatum, apice compressum, non stylatum, alas vix superans. Pedes validi, spinosi, non hirti.

Cubital vein forked at much before half its length; forks near each other and parallel towards the base, slightly converging and curved forwards at the tips; fore fork forming at its base a right angle, which emits a branch; the latter is much longer than the basal side of the angle. First and second externo-medial veins almost straight; third slightly curved, forming a right angle with the præbrachial, joining the fourth near the border. Subanal joining the anal near the border.

Erax Sicyon, *Walk.*

28. ERAX FULVITHORAX.

Ater; thorace cervinus, nigro vittatus; abdominis segmenta duo apicalia nivea (mas.) aut incisuris albidis (fæm.); alæ fuscæ, paullo dilatatæ.

Erax fulvithorax, *Macq. Dipt. Exot. i. 2, 113, 13.*

Allied to *A. pyrrhognus*, *Wied.*

Brazil. Guiana.

29. ERAX CULICIFORMIS.

Mas. *Ater; caput et thorax ferrugineo tomentosa; caput subtus albo pilosum; mystax supra niger; subtus testaceus; thorax vittis tribus subconnexis nigris; abdomen fasciis duabus integris, una basali altera subapicali, duabusque intermediis interruptis argenteis; pedes subtus albido subpubescentes; alæ fuscae.*

Male. Deep black. Head and thorax with ferruginous tomentum. Head clothed beneath with white hairs. Mystax with black bristles above and with testaceous bristles below. Disk of the thorax black, with two very slender and indistinct ferruginous stripes. Abdomen with four silvery bands, first and fourth entire, second and third interrupted. Legs partly and thinly clothed beneath with whitish down. Wings brown. Halteres testaceous. Length of the body 6 lines; of the wings 8 lines.

a. Tapayos, Brazil. From Mr. Bates' collection.

30. ERAX LADES.

Asilus Lades, Cat. of Diptera, Pt. 2, 403.

Brazil.

31. ERAX PARPHORUS.

Erax Parphorus, Diptera Saundersiana, Pt. 2, 127.

Colombia.

32. ERAX DILECTUS.

Fœm. *Caput et thorax picea, albido tomentosa; caput subtus albo pilosum; mystax supra niger, subtus albidus; thorax piceo vittatus; abdomen atrum, fasciis quinque interruptis albis, 4a minima, 5a latissima; pedes picei, albo pubescentes, spinis nigris; alæ subcinereæ.*

Fem. Head and thorax piceous, with whitish tomentum. Head with white hairs beneath. Mystax with black upper bristles and whitish lower bristles. Thorax with two piceous stripes, which are connected hindward. Abdomen deep black, with five interrupted white bands; first, second, third and fifth bands broad; second and third deeply indented in front; fourth very slender; fifth occupying the whole length of the sixth segment. Legs piceous, with white down; spines black. Wings slightly grayish. Halteres testaceous, with piceous knobs. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

33. ERAX SUBAPPENDICULATUS.

Mas. *Ater; abdominis segmenta quatuor apicalia argentea; tarsi anteriores tibieque rufa; alæ subfuscæ, paullo dilatatae, venæ cubitalis furca antica ramulum rejiciens brevissimum.*

Erax subappendiculatus, Macq. Dipt. Exot. i. 2, 114, 16.

Brazil.

34. ERAX POTAMON.

Erax Potamon, Diptera Saundersiana, Pt. 2, 128.

South America.

35. ERAX COMMILES.

Erax commiles, Diptera Saundersiana, Pt. 2, 132.

South America.

36. ERAX AMPHISSA.

Asilus Amphissa, Cat. of Diptera, Pt. 2, 406.

Brazil.

37. ERAX OBSCURUS.

Fœm. *Fuscus; abdominis incisuræ albidæ; pedes nigri, tibiis obscure testaceis; alæ subfuscæ.*

Erax obscurus, Macq.

Parà.

38. ERAX NIGRIMYSTACEUS.

Mas. *Niger; thorax cinereus, vittis nigris; abdominis segmenta tria postica alba; tibie testacæ; alæ paullo dilatatae, vena cubitalis furca antica ramulum rejiciens brevissimum.*

Erax nigrimystaceus, Macq. Dipt. Exot. Suppl. 2, 41, 40.

Guadeloupe.

39. ERAX FUSCIPENNIS.

Fœm. *Fuscus; mystax niger; thorax fulvidus, vittis nigris; pedes nigri, tibiis testaceis; alæ fuscæ; venæ cubitalis furca antica ramulum non rejiciens.*

Erax fuscipennis, Macq. Dipt. Exot. Suppl. 2, 40, 38.

Brazil.

40. ERAX SINGULARIS.

Mas. *Ater; abdominis segmenta duo apicalia albida; alæ dilatata, fuscanae, venis albido limbatis.*

Erax singularis, Macq. Dipt. Exot. i. 2, 111, 8, pl. 9, f. 10.

Brazil.

41. ERAX RUFIPES.

Fœm. *Gracilis, ater, cinereo pubescens; thorax vittis nigris; pedes rufi, femoribus supra, tibiis posticis intus tarsisque nigris; alæ subfusca.*

Erax rufipes, Macq. Dipt. Exot. i. 2, 112, 10.

Brazil.

42. ERAX MYGDON.

Erax Mygdon, Diptera Saundersiana, Pt. 2, 127.

South America.

43. ERAX HETEROPTERUS.

Mas. *Niger; mystax supra niger, subtus flavidus; thorax cinereus, vittis nigris; abdomen incisuris albidis; pedes fulvi; alæ fuscanae, areola cubitali la clausa.*

Erax heteropterus, Macq. Dipt. Exot. Suppl. i. 83, 33, pl. 8, f. 6.

New Grenada. Cold Region.

44. ERAX RUFITHORAX.

Fœm. *Niger; mystax albidus; thorax cinereus, vittis nigris; abdomen incisuris cinereis; pedes fulvi, tarsis nigris; alæ fuscanae.*

Erax rufithorax, Macq. Dipt. Exot. Suppl. 1, 82, 31.

Brazil.

45. ERAX GRISEUS.

Mas. *Ater; abdominis incisuræ cinerea, segmenta duo apicalia albida; alæ subflavescentes, dilatata; venæ cubitalis furca antica ramulum non rejiciens.*

Asilus griseus, Guérin, Zool. Voy. Duperrey.

Erax griseus, Macq. Dipt. Exot. i. 2, 115, 78.

Chili.

46. ERAX MACULATUS.

Cinereus; abdominis segmenta 2um et 3um macula laterali, 4um 5umque incisuris, 6um 7umque tota albida; pedes nigri; alæ flavidæ.

Var. β . Femora tibiæque supra testacea.

Allied to *Erax striola*, Wied.

Erax maculatus, Macq. *Dipt. Exot.* i. 2, 111, 9, pl. 9, f. 6.

Guiana, Columbia, Guadeloupe.

47. ERAX TRISTIS.

Fœm. Niger; thoracis vittæ interstitiis schisticoloribus; abdominis incisuræ et maculæ mediæ segmentorum penultimorum albida; alæ flavescens.

Asilus tristis, Wied. *Auss. Zweifl.* i. 470, 69.

Brazil.

48. ERAX NIGRINUS.

Cinerascens; antennæ et pedes nigra; thorax nigro vittatus; abdomen nigrum, incisuris albis; alæ flavescens.

Asilus nigrinus, Wied. *Dipt. Exot.* i. 197, 28; *Auss. Zweifl.* i. 462, 56.

Brazil.

49. ERAX MINOR.

Fœm. Niger; mystax subtus albus; thorax lineis albidis; abdomen incisuris albis; alæ subflavescens; venæ cubitalis furca antica ramulum non rejiciens.

Erax minor, Macq. *Dipt. Exot. Suppl.* 2, 41, 39.

Brazil.

50. ERAX STRIOLA.

Cinerascens; antennæ nigra; thorax vitta unica fusca antice divisa; abdomen nigrum, segmento singulo maculis utrinque basi canis apice flavidis; pedes piceî aut nigro-piceî; alæ flavescens.

Dasypogon striola, Fabr. *Syst. Antl.* 172, 38.

Asilus striola, Wied. *Dipt. Exot.* i. 199, 31; *Auss. Zweifl.* i. 464, 58.

Brazil.

51. ERAX FLAVIANALIS.

Mas. *Ater*; abdominis incisuræ albæ, segmentum ultimum album, anus lateribus flavis; femora tibiæque intus testacea; alæ subflavescentes, apice cinereæ, venæ externo-mediæ furca antica ramulum rejiciente, venis externo-mediis 3a et 4a conjunctis.

Erax flavianalis, Macq. *Dipt. Exot. Suppl.* 3, 26, 41.

Minas Geraes.

52. ERAX? PYRRHOGONUS.

Niger; thorax vittarum interstitiis cervinis; abdomen maris segmentis duobus apicalibus niveis, fœm. incisuris albidis; femora apice, tarsi basi tibiæque rubida; alæ flavescentes.

Asilus pyrrhognus, Wied. *Auss. Zweifl.* i. 472, 71.

Brazil.

53. ERAX MEDIANUS.

Mas. *Niger*; thorax interstitiis vittarum cervino-flavidis; abdominis segmenta tria apicalia nivea; femora apice, tarsi basi tibiæque rubida; alæ flavescentes.

Asilus medianus, Wied. *Auss. Zweifl.* i. 473, 73.

Brazil.

54. ERAX VIRILIS.

Fuscus; abdominis incisuræ canescentes; pedes mellei, femoribus supra tibiis tarsisque posticis fuscis; alæ flavescentes, apice saturatiore.

Asilus virilis, Wied.

Brazil.

55. ERAX EURYLABIS.

Mas. *Cinereus*; antennæ fuscæ; thoracis discus fuscus, vittatus; abdomen maculis maximis trigonis; forceps analis latissimus, rubidus; pedes rubidi; alæ flavescentes.

Asilus eurylabis, Wied. *Auss. Zweifl.* i. 469, 67.

Brazil.

56. ERAX FLAVO-FASCIATUS.

Fœm. *Thorax cinerascens, nigro vittatus; abdomen nigrum; fasciis lateribusque late flavis; pedes nigri; tibiæ fulvæ apice nigræ, anticæ intus nigræ*

Asilus flavo-fasciatus, Wied.

Brazil.

57. ERAX LASCIVUS.

Fœm. *Cinereus*; thorax fusco vittatus; abdomen nigrum, albido fasciatum; pedes nigri, tibiis rubidis apice nigris; alæ flavescentes.

Asilus lascivus, Wied.

Brazil.

Var. *Asilus Amarynceus*, *Cat. of Diptera*, Pt 2, 400.

58. ERAX LABIDOPHORUS.

Niger; thorax vittis cervino separatis; tibiæ ferruginæ; abdomen maris basi utrinque flavido hirtum segmentis duobus apicalibus subargenteis, fœm. incisuris anguste marginibus lateralibus late subargenteis flavido hirtis; alæ saturate flavidæ.

Asilus labidophorus, Wied.

Brazil.

59. ERAX BARDYLLIS.

Asilus Bardyllis, *Cat. of Diptera*, Pt. 2, 401.

Brazil.

60. ERAX FUSCUS.

Fuscus; thoracis vittarum interstitiæ cinereæ; abdominis incisuræ albicantes, segmento ante forcipem albo; tibiæ rubidæ; alæ flavescentes.

Asilus fuscus, Wied.

Brazil.

61. ERAX COPULATUS.

Cinerascens; mystax niger; antennæ nigrae; thorax fusco vittatus; pedes rubidi, femoribus apice nigris; alæ subflavescentes.

Asilus copulatus, Wied. *Zool. Mag.* iii. 48, 10; *Dipt. Exot.* i. 192, 18; *Auss. Zweifl.* i. 457, 50.

62. ERAX FLAVIDUS.

Flavidus; antennæ pedesque rufa; alæ flavescentes, venæ cubitalis furca antica ramulum rejiciens brevissimum.

Erax flavidus, Macq. *Dipt. Exot.* i. 2, 114, 15.

Brazil.

63. ERAX MELLINUS.

Cervinus; antennæ, abdomen et pedes mellea; thorax fusco vittatus; alæ subflavescentes.

Asilus mellinus, Wied. *Auss. Zweifl.* i. 465, 60.

Monte Video.

64. ERAX? NODICORNIS.

Mas. *Cinereus*; antennæ nigro-fuscae, articulo 3o melleo basi bilobo; thorax vittis fusciscentibus; abdomen fuscenscens; pedes flavescentes; alæ subflavescentes.

Asilus nodicornis, Wied. *Auss. Zweifl.* i. 469, 66.

Brazil.

65. ERAX VELOX.

Mas. *Niger*; thorax cervinus, vittis nigris; abdominis segmentum 2um utrinque albidum, 6um et 7um nivea; alæ cinereæ.

Asilus velox, Wied. *Auss. Zweifl.* i. 468, 64.

Pernambuco.

66. ERAX STYLATUS.

Fœm. *Cinerascens*; thorax nigro vittatus; abdomen segmentis singulis macula maxima nigra; tibiæ rufæ; alæ limpida, apice flavescentes.

Asilus stylatus, Fabr.

Brazil.

67. ERAX SIMPLEX.

Fœm. *Ater*, cinereo pubescens; mystax albidus; thorax lineis nigris; abdominis incisuræ cinereæ; pedes fulvi, tarsi nigris; alæ subhyalina, venæ cubitalis furca antica ramulum nullum rejiciens.

Erax simplex, Macq. *Dipt. Exot. Suppl.* 3, 27, 43, pl. 2, f. 14.

Rio Negro.

68. ERAX MELANACRUS.

Fœm. *Flavidus*; mystax albus; antennæ nigrae; thorax nigro vittatus; abdomen fuscum, albido fasciatum; pedes flavi, femoribus apice nigris; alæ limpidissimæ, venis subcostalibus apice fusco limbatis.

Asilus melanacrus, *Wied. Auss. Zweifl. i. 472, 72.*

Brazil.

69. ERAX SENILIS.

Cinereascens; thorax vittis fuscis; abdomen nigricans, incisuris lateribusque late albis; pedes nigri; alæ limpidae. Mas.—Abdomen apice argenteum.

Asilus senilis, *Wied.*

Monte Video.

70. ERAX FLAVIDUS.

Fœm. Pallide flavidus; antennæ nigrae; thorax fusco vittatus; abdomen utrinque albidum; pedes fusci, tibiis flavescentibus apice fuscis; alæ limpidae, vix flavescentes.

Asilus flavidus, *Wied. Auss. Zweifl. i. 473, 74.*

Brazil.

71. ERAX HYALIPENNIS.

Mas. Ater; abdominis segmenta duo apicalia argentea; alæ hyalinae, venæ cubitalis furca antica ramulum non rejiciens.

Erax hyalipennis, *Macq. Dipt. Exot. i. 2, 114, 17.*

Brazil.

72. ERAX PARVUS.

Fœm. Obscure cinereus, mystace antennisque nigris; thorax vittis duabus dorsalibus maculisque lateralibus nigris; abdomen nigrum, segmentis cano late fasciatis, triente apicali stylata; pedes nigri, femoribus apice tibiisque fulvis; alæ hyalinae, vix subcinereae; halteres testacei.

Dark cinereous. Head and pectus hoary. Head clothed beneath with white hairs. Face very convex. Mystax not thick, with black bristles, and towards the mouth with whitish bristles. Third joint of the antennæ long, conical, a little shorter than the first; arista nearly thrice the length of the third joint. Thorax and base of the abdomen with a few bristles on each side. Thorax with two black dorsal stripes and with six lateral black spots. Abdomen with a broad hoary band on the hind border of each segment; apical third part stylate. Legs black, stout, spinose, slightly hairy; tibiæ and tips of the femora tawny. Length of the body 6 lines; of the wings 8 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

73. ERAX PUMILUS.

Cinereus; caput albo pilosum; mystax albidus, setis paucis supra nigris; thorax nigro trivittatus; abdomen supra nigrum, maculis lateralibus trigonis canis; tibiæ intus basi fulvæ; alæ subhyalinæ.

Cinereous. Head white and clothed with white hairs behind and beneath. Mystax with many whitish bristles, above which are a few black bristles. Thorax with three blackish stripes, the lateral pair interrupted. Abdomen black above; hind borders of the segments with triangular white spots on each side. Tibiæ tawny towards the base on the inner side. Wings nearly limpid. *Male*.—Abdomen almost twice the length of the thorax; two subapical segments silvery white. Sexualia of moderate size. *Fem*.—Stylate part of the abdomen shining. Length of the body 6 lines; of the wings 10 lines.

a, b. Vera Cruz. From M. Sallé's collection.

74. ERAX SICYON.

Asilus Sicyon, Cat. of Diptera, Pt. 2, 399.

Brazil.

75. ERAX STIMICON.

Erax Stimicon, Diptera Saundersiana, Pt. 2, 129.

Colombia.

Africa.

- A. Abdomen vittatum. - - - - - algirus, *Linn.*
 B. Abdomen non vittatum. - - - - - femoralis, *Wied.*

76. ERAX? ALGIRUS.

Rubidus; antennæ fulvæ; mystax albus; thorax vittis saturatio-ribus; abdomen fuscanum, vittis tribus obsoletis nigellis; pedes badii, pilis setisque albis; alæ limpidæ.

Asilus algirus, Linn. Syst. Nat. 2, 1006, 2. Fabr. Ent. Syst. iv. 376, 3; Syst. Antl. 153, 3. Wied. Dipt. Exot. i. 196, 27; Auss. Zweifl. i. 461, 55.

Algeria.

77. ERAX? FEMORALIS.

Cinereus; antennæ et pedes rufescentes; thorax vitta et utrinque puncto fuscis; femora nigro vittata; alæ limpidæ, venæ cubitalis furca postica et vena externo-media la conjunctis.

Asilus femoralis, *Wied. Auss. Zweifl.* i. 466, 61.

Egypt.

Asia.

A. Abdomen nigrum.

A. Abdomen maculatum. - - - - Sinensis, *Macq.*

B. Abdomen non maculatum.

A. Pedes toti nigri. - - - - integer, *Macq.*

B. Femora et tibiæ subtus rufa. - - - Curiatus, *Walk.*

B. Abdomen rufum. - - - - rufiventris, *Macq.*

Group 1.

Mas. Corpus parce pilosum. Caput subtus dense pilosum. Facies valde convexa. Mystax sat dense setosus. Proboscis sublinearis. Thoracis latera et scutellum parce setosa. Abdomen longi-oblongeolatum, thorace multo angustius et plus duplo longius. Sexualia magna. Pedes robusti, setosi, parce hirti.

Radial as usual. Cubital vein forked at half its length; fore fork hardly curved, forming an obtuse and rounded angle at its base; hind fork very slightly undulating. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Curiatus, *Walk.*

78. ERAX SINENSIS.

Fœm. *Ater*; thorax cinereus, nigro vittatus; abdominis segmenta 2um 3um 6umque albido maculata; alæ fuscæ.

Erax Sinensis, *Macq. Dipt. Exot.* i. 2, 108, 2.

China.

79. ERAX INTEGER.

Fœm. *Niger*; mystax albidus; thorax cinereo tomentosus, vittis nigris; alæ subhyalinæ, venæ cubitalis furca antica ramulum non rejiciens.

Erax integer, *Macq. Dipt. Exot. Suppl.* 1, 81, 30.

Manilla.

80. ERAX CURIATIUS.

Asilus Curiatius, *Cat. of Diptera*, Pt. 2, 432.

Nepaul.

81. ERAX RUFIVENTRIS.

Fœm. *Ater*; *abdomen rufum, ano nigro*; *tibiæ anteriores externe testaceæ*; *alæ fuscæ*.

Erax rufiventris, *Macq. Dipt. Exot.* i. 2, 108, 1.

Bengal.

Australia.

A. Alæ nigræ, fuscæ aut subfuscæ.

A. Pedes ferrugineo-rubidi.

a. Abdomen nigrum.

a. Thorax fuliginosus. - - - Belzebul, *Wied.*

b. Thorax cinereus nigro trivittatus. - - annulipes, *Macq.*

b. Abdomen flavidum. - - - Hercules, *Wied.*

B. Femora nigra.

a. Thorax rufo-cinereus. - - - Salomon, *Macq.*

b. Thorax auratus. - - - fuscipennis, *Macq.*

B. Alæ subflavescentes. - - - varimystaceus, *Macq.*

82. ERAX BELZEBUL.

Thorax fuliginosus; *abdomen nigrum*; *pedes ferruginosi-rubidi*; *alæ fuscæ, antice dilatatæ*.

Asilus Belzebul, *Wied. Auss. Zweifl.* i. 425, 1.

Erax Belzebul, *Macq. Dipt. Exot.* i. 2, 109, 3.

Asilus plicatus? *Wied.*

New Holland.

83. ERAX ANNULIPES.

Fœm. *Cinereus*; *mystax albo flavescens, setis nonnullis nigris*; *barba alba*; *arista apice subincrassata*; *thorax vittis tribus nigris, intermedia divisa*; *abdomen nigrum, segmentorum marginibus posticis cinereis*; *pedes fulvi, femoribus posterioribus apice tarsisque nigris*; *alæ subfuscescentes, venis fusco marginatis*.

Erax annulipes, *Macq. Dipt. Exot. Suppl.* 1, 83, 32, pl. 8, f. 8.
New Holland.

84. ERAX HERCULES.

Mas. *Niger*; *thorax cinereus, vittis nigricantibus*; *abdomen flavidum*; *pedes ferruginosi, femoribus tibiisque apice nigris*; *alæ flavescentes, plaga fuscana.*

Asilus Hercules, *Wied. Auss. Zweifl.* i. 425, 2.

Erax Hercules, *Macq. Dipt. Exot. Suppl.* 1, 82, 425, 2.

Sydney Island, &c.

85. ERAX SALOMON.

Mas. *Ater*; *thorax rufo-cinereus, nigro vittatus*; *abdominis latera albida, segmentis tribus apicalibus argenteis*; *pedes rufi, femoribus tarsisque posticis nigris*; *alæ subfuscae, dilatatae.*

Erax Salomon, *Macq. Dipt. Exot.* i. 2, 110, 5; *Suppl.* 1, 82.

Port Praslim, Solomon Isles.

86. ERAX FUSCIPENNIS.

Mas. *Ater*; *thorax aureus, nigro vittatus*; *tibiæ testaceæ*; *alæ fuscanae.*

Erax fuscipennis, *Macq. Dipt. Exot.* i. 2, 109, 4.

New Holland.

87. ERAX VARIMYSTACEUS.

Fœm. *Mystax setis nigris albisque*; *thorax cinereus, vittis nigris*; *abdomen nigrum lateribus incisurisque cinereis*; *tibiæ testaceæ*; *alæ subflavescentes, venæ cubitalis furca antica ramulum non rejiciens.*

Erax varimystaceus, *Macq. Dipt. Exot. Suppl.* 2, 40, 37.

New Holland.

Country unknown.

A. *Alæ fuscæ.*

A. *Tibiæ rufæ.*

a. *Thorax cinereus, vittis nigris.* - *inappendiculatus*, *Macq.*

B. *Thorax ferrugineus aut piceus.*

a. *Furca cubitalis antica ramulum rejiciens.* *Malis, Walk.*

- b. *Furca cubitalis antica ramulo nullo.* - robustus, *Walk.*
B. Tibiæ nigræ. - - - - - *Marcinus, Walk.*
 B. *Alæ fulvæ aut flavescentes.*
A. Pedes nigri. - - - - - *nervosus, Macq.*
B. Femora nigra. - - - - - *asper, Walk.*
C. Femora rufa, nigro vittata.
 a. *Alæ subfulvæ, apice cinereæ.* - - - - *Leon, Walk.*
 b. *Alæ fulvæ.* - - - - - *concolor, Walk.*
D. Tibiæ luteæ, apice nigræ. - - - - *nitidus, Wied.*

Group 1.

Fœm. Corpus gracile, parum hirtum. Caput subtus dense pilosum. Facies convexa. Mystax raro setosus. Proboscis linearis. Antennarum articulus 1us 2o triplo longior; 3us sublinearis, 1o æqualis; arista 3o paullo longior. Thoracis latera et scutellum setis paucis. Abdomen alas non superans, apice compressum, acuminatum. Pedes sat graciles, fere nudi, parce spinosi.

Radial vein very slightly curved, joining the subcostal near the tip of the latter. Cubital forked at about half of its length; fore fork forming at its base a nearly right angle, which emits a branch much shorter than its basal side; hind fork and the first and second externo-medial veins almost straight. Third externo-medial curved, forming a slightly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal rather near the border.

This group is almost as nearly allied to *Asilus* as to the type of *Erax*.

Erax Malis.

Group 2.

Mas. Corpus breve, crassum, hirtum, sat magnum. Facies valde convexa. Mystax densissime setosus, usque ad antennas ascendens. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o plus duplo longior. Thorax cristatus. Abdomen thorace multo longius, alas non superans. Sexualia maxima. Pedes crassi, hirti, spinosi, breviusculi.

Wings slightly dilated in front at two-thirds of the length. Cubital vein forked at very much beyond half its length; forks diverging, then converging, and again diverging at the tips. First and second externo-medial veins nearly straight; third hardly

curved, forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather near the border.

Erax robustus, *Walk.*

Group 3.

Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis linearis. Thorax parce hirtus, lateribus scutelloque subsetosis. Pedes validi, parce spinosi; femora subtus dense et breviter spinosa.

Radial vein almost straight, joining the subcostal very far from the tip of the latter. Cubital vein forked at beyond half its length; fork very slightly curved, slightly converging towards each end; fore fork joining the subcostal close to the tip of the latter, forming at its base a slightly obtuse angle, which emits a branch; the latter is nearly twice the length of the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, forming an almost right angle with the præbraehial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Marcinus, *Walk.*

Group 4.

Mas. Corpus magnum, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, fere ad antenas ascendens. Proboscis lanceolata. Abdomen sublineare, alas vix superans. Sexualia magna, lamellis duabus cochleariformibus; forceps maximus. Pedes robusti, hirti, spinosi.

Male. Radial vein as usual. Cubital vein forked at very much beyond half its length; forks undulating, nearer each other in the middle than towards each end; fore fork not angular nor emitting a branch. First externo-medial vein much curved at its base; second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Erax Leon, *Walk.*

88. ERAX INAPPENDICULATUS.

Mas. Ater; thorax cinereus, nigro vittatus; abdominis latera albida; segmenta duo apicalia alba; tibiæ rufæ, apice nigræ; alæ fusæ, subdilatatæ, venæ cubitalis furca antica ramulum non rejiciens.

Erax inappendiculatus, *Macq. Dipt. Exot. i. 2, 119, 29.*

89. ERAX MALIS.

Asilus Malis, *Cat. of Diptera*, Pt. 2, 432.

90. ERAX ROBUSTUS.

Mas. *Niger*; *mystax supra niger, subtus testaceus*; *thorax piceo tomentosus, vittis ferrugineus*; *tibiæ luteæ, apice nigræ*; *alæ fuscescentes*.

Male. Black, clothed with black hairs. *Mystax* with black upper bristles, and with testaceous lower bristles. *Thorax* with piceous tomentum and with indistinct ferruginous stripes. *Tibiæ* luteous, clothed with testaceous hairs; tips black. *Wings* brownish. *Halteres* tawny. Length of the body 9 lines; of the wings 13 lines.

a. ——— ?

91. ERAX MARCINUS.

Asilus Marcinus, *Cat. of Diptera*, Pt. 2, 404.

92. ERAX NERVOSUS.

Mas. *Ater*; *abdominis segmenta duo apicalia albida*; *alæ subflavescentes, dilatatæ, inappendiculatæ, venis rufo-fusco marginatæ*.

Erax nervosus, *Macq. Dipt. Exot.* i. 2, 118, 28.

93. ERAX ASPER.

Erax asper, *Diptera Saundersiana*, Pt. 2, 130.

94. ERAX LEON.

Asilus Leon, *Cat. of Diptera*, Pt. 2, 402.

95. ERAX CONCOLOR.

Erax concolor, *Diptera Saundersiana*, Pt. 2, 130.

96. ERAX? NITIDUS.

Fœm. *Cinereus*; *antennæ et pedes nigra*; *thorax nigro vittatus*; *abdomen nigrum, albido fasciatum*; *tibiæ luteæ, apice nigræ*; *alæ flavescentes*.

Asilus nitidus, *Wied. Auss. Zweifl.* i. 466, 62.

Genus 5. APOCLEA.

Corpus non depressum nec ciliatum. Facies plana. *Maris* sexualia parva. *Fœm.* terebra corona spinosa armata. Alarum venæ cubitalis furca antica ramulum rejiciens; furca postica et vena externo-media la conjunctæ.

Apoclea, *Macq. Dipt. Exot. i. 2, 119.* *Loew, Linn. Ent. iii. 395, 403.*

1. APOCLEA PALLIDA.

Fœm. Pallide-cinerea; thorax vittatus; tibiæ tarsique rufa; alæ hyalinæ.

Apoclea pallida, *Macq. Dipt. Exot. i. 2, 119, 9, pl. 10, f. 1.*

Egypt.

2. APOCLEA FUSCANA.

Mas. Fuscana; abdominis incisuræ flavidæ; pedes antici fulvi, femoribus extus nigricantibus, tarsis fuscis; alæ flavidæ.

Apoclea fuscana, *Macq. Dipt. Exot. i. 2, 120, 2.*

Egypt.

Genus 6. PROCTACANTHUS.

Corpus non depressum nec ciliatum. Facies vix prominens. *Maris* sexualia parva. *Fœm.* terebra longa, corona spinosa sæpissime armata. Alarum venæ cubitalis furca antica ramulum non rejiciens.

Proctacanthus, *Macq. Dipt. Exot. i. 2, 120.* *Loew, Linn. Ent. iii. 395, 403.*

Asilus, p., *Fabr. ; Wied.*

North America.

A. Pedes badii aut castanei.

A. Alæ sat longæ.

A. Abdomen cinerascens. - - - longus, *Wied.*

B. Abdomen testaceum, flavo hirtum. - Milbertii, *Macq.*

C. Abdomen rubido-fuscum. - - - heros, *Wied.*

D. Abdomen nigrum, incisuris albidis. - nigriventris, *Macq.*

B. Alæ breves. - - - - - brevipennis, *Wied.*

B. Pedes testacei, femoribus subtus nigris. Philadelphicus, *Macq.*

Group 1.

Fœm. Corpus maximum, parce hirtum. Caput subtus densissime pilosum. Facies parum convexa. Mystax dense setosus. Proboscis crassa, lanceolata. Antennarum articulus 1us 2o longior; 3us longiconicus, compressus, 1o multo brevior; arista 3o plus duplo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum pilosum, apicem versus cylindricum, thorace triplo longius. Pedes validi, spinosi, hirti.

Cubital vein forked at half its length; fore fork forming a nearly right angle at its base; hind fork slightly curved. First externo-medial slightly curved near its base; second straight; third much curved, joining an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Proctacanthus heros, *Wied.*

Group 2.

Fœm. Corpus sat gracile. Caput subtus pilosum. Facies apud epistoma subconvexa. Mystax setis plurimis. Proboscis valida, lanceolata. Antennarum articulus 3us longiconicus, 1o non longior; arista 3o multo longior. Thoracis latera parce setosa. Abdomen oblanceolatum, fere nudum, alas longe superans, thorace triplo longius. Pedes validi, breviter spinosi, non pilosi.

Wings rather short. Cubital vein forked at beyond half its length; fore fork forming an obtuse angle at its base, nearly straight from thence to its tips; hind fork slightly curved, approaching the fore fork at each end. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal on the border.

Proctacanthus brevipennis, *Wied.*

1. PROCTACANTHUS LONGUS.

Fuscanus; abdomen cinerascens; pedes subbadii; alæ flavidæ.

Asilus longus, *Wied. Dipt. Exot. i. 183, 1*; *Auss. Zweifl. i. 426, 3*.
Proctacanthus longus, *Macq. Dipt. Exot. i. 2, 123, 6*.

Georgia. Brazil.

2. PROCTACANTHUS MILBERTII.

Rubidus; thorax nigro trivittatus; abdominis segmenta limbo postico fuscato; pedes castanei; alæ fusco-flavæ.

Proctacanthus Milbertii, *Macq. Dipt. Exot. i. 2, 124, 8.*

North America.

3. PROCTACANTHUS HEROS.

Mas. Rubido-fuscus; mystax flavescens; antennæ ferrugineæ, articulo 3o nigro-fusco; thorax quadrivittatus; abdomen fulvo hirtum, basi utrinque nigro hirtum; pedes ferruginosi; alæ flavescentes.

Asilus heros, *Wied.*

Kentucky.

4. PROCTACANTHUS NIGRIVENTRIS.

Mas. Rubidus; thorax nigro vittatus; abdomen nigrum incisuris albidis; pedes castanei; alæ subfusæ.

Proctacanthus nigriventris, *Macq. Dipt. Exot. i. 2, 124, 9.*

Philadelphia and Carolina.

5. PROCTACANTHUS BREVIPENNIS.

Mas. et Fœm. Cinereus, certo situ rubens; antennæ nigræ; mystax albidus, setis nonnullis nigris; thorax vitta media latissima nigra; pedes subbadii, femoribus antice nigris; alæ subflavescentes, breves.

Asilus brevipennis, *Wied. Auss. Zweifl. i. 431, 10.*

Kentucky.

6. PROCTACANTHUS PHILADELPHICUS.

Nigra; thorax fuscus vittatus; abdominis segmenta ultima cinerea; pedes testacei, femoribus subtus nigris; alæ fusæ.

Proctacanthus Philadelphicus, *Macq. Dipt. Exot. i. 2, 123, 7.*

Philadelphia.

West Indies.

7. PROCTACANTHUS RUFIVENTRIS.

Castaneus; thorax nigro trivittatus; abdomen rubidum, basi nigrum; pedes testacei, tarsi postici nigri; alæ fusco-flavæ.

Proctacanthus rufiventris, *Macq. Dipt. Exot.* i. 2, 123, 5, pl. 10, f. 2.

St. Domingo. Honduras.

South America.

A. Thorax niger.

A. Abdomen nigrum apice album. - - - barbatus, *Fabr.*

B. Abdomen fulvum. - - - Antidomus, *Walk.*

B. Thorax cinereus.

A. Abdomen rufum. - - - Coprates, *Walk.*

B. Abdomen cinereum.

A. Antennæ testacæ. - - - rubicornis, *Macq.*

B. Antennæ nigræ. - - - mystaceus, *Macq.*

C. Thorax cinereus, vittis ferruginosis. - - macrotelus, *Walk.*

D. Thorax canus. - - - vetustus, *Walk.*

E. Thorax pallidus, vittis nigris.

A. Abdomen plus minusve nigrum.

a. Alæ fuscæ. - - - aurolineatus, *Macq.*

b. Alæ flavæ. - - - flavipennis, *Macq.*

B. Abdomen totum pallidum.

a. Abdomen fulvum. Alæ subfulvæ. - - Daraps, *Walk.*

b. Abdomen fuscum. Alæ fuscæ. - - Hagno, *Walk.*

F. Thorax ferrugineus, vittis tribus pallidioribus. basifascia, *Walk.*

Group 1.

Mas. Corpus magnum, dense pubescens. Caput subtus densissime pilosum. Facies parum convexa. Mystax parce setosus, antennis attingens. Proboscis crassa. Antennarum articulus 2o plus duplo longior; 3us lanceolatus, 1o æqualis; arista 1o fere duplo longior. Thoracis latera parce setosa. Scutellum et abdomen basi dense pilosa. Abdomen alas vix superans. Sexualia magna. Pedes validi, setosi, dense pubescentes.

Radial vein as usual. Cubital forked at half its length; forks very slightly curved, nearly parallel to each other, near together for one-fourth of the length from the base, more remote from thence to the tips; first externo-medial vein curved near the base; second

straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal rather far from the border.

Proctacanthus Antidomus, *Walk.*

Group 2.

Mas. Corpus magnum, parum pubescens. Caput subtus densissime pilosum. Facies parum convexa. Mystax densissime setosus et pilosus, antennis attingens. Proboscis crassa, lanceolata, subarcuata. Thoracis latera et scutellum raro setosa. Abdomen oblanceolatum, alas non superans. Sexualia parva. Pedes robusti, spinosi, pubescentes.

Radial vein as usual. Cubital vein forked at beyond half its length; fore fork nearly straight, curved at its base; hind fork curved, approaching the fore fork towards each end. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Proctacanthus rufiventris, *Macq.*; *P. Coprates*, *Walk.*

Group 3.

Fam. Corpus magnum, gracile, tomentosum. Caput subtus dense pilosum. Facies plana. Mystax vix dense setosus. Proboscis crassa, lanceolata, recta. Antennarum articulus 1us 2o longior; 3us longiconicus compressus, 1o multo brevior; arista articulo 3o plus duplo longior. Thorax setis nonnullis lateralibus et posticis. Abdomen oblanceolatum, thorace plus duplo longius, alas longe superans, basim versus pilosum; dimidium fere apicale cylindricum, læve, nitens. Pedes sat graciles, parce spinosi, vix hirti.

Cubital vein forked at a little before half its length; fore fork nearly straight; hind fork curved. First externo-medial vein slightly curved near its base; second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Proctacanthus macrotelus, *Walk.*; *P. basifascia*, *Walk.*

Group 4.

Fam. Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime hirtus. Proboscis valida, arcuata. Thorax tomentosus, parce hirtus, setis paucis lateralibus et posticis. Pectus et abdomen basi pilosa. Abdomen oblanceola-

tum, thorace multo longius, alas non superans. Pedes robusti, hirti, spinosi.

Cubital vein forked at rather before half its length; fore fork almost straight; hind fork curved; first externo-medial slightly curved at its base; second straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Proctacanthus vetustus, Walk.

Group 5.

Characters like those of *Proctacanthus heros*.

Proctacanthus Daraps, Walk.; *P. Hagno*, Walk.

8. PROCTACANTHUS BARBATUS.

Niger; *mystax flavido albus*, *supra niger*; *barba alba*; *thorax rubro vittatus*; *abdomen apice album*; *pedes castaneo fuscis*, *tibiis posticis albidis*; *alæ flavescentes*.

Asilus barbatus, *Fabr. Ent. Syst. iv. 379, 12*; *Syst. Antl. 155, 7*.

Wied. Dipt. Exot. i. 187, 9; *Auss. Zweifl. i. 439, 22*.

Proctacanthus barbatus, *Macq. Dipt. Exot. i. 2, 122, 4*.

Brazil. Guiana. Cayenne.

9. PROCTACANTHUS ANTIDOMUS.

Asilus Antidomus, *Cat. of Diptera, Pt. 2, 408*.

Brazil.

10. PROCTACANTHUS COPRATES.

Asilus Coprates, *Cat. of Diptera, Pt. 2, 409*.

Brazil.

11. PROCTACANTHUS RUBRICORNIS.

Cinereus; *antennæ testaceæ*; *pedes subbadii*; *alæ flavo-fusca*.

Proctacanthus rubricornis, *Macq. Dipt. Exot. i. 2, 122, 3*.

Brazil.

12. PROCTACANTHUS MYSTACEUS.

Fœm. *Cinereus*; *mystax albidus*; *antennæ pedesque nigra*; *thorax vittis fuscis*; *abdomen apice nigrum*; *tibiæ testaceæ*; *alæ rufescente cinereæ*.

Proctacanthus mystaceus, *Macq. Dipt. Exot. Suppl. 1, 86, 11, pl. 8, f. 10*.

New Grenada.

13. PROCTACANTHUS MACROTELUS.

Fœm. *Cinereus*; *caput albidum, subtus albo pilosum*; *thorax vittis duabus dorsalibus interlineatis maculisque sex laterali- bus obliquis ferruginosis*; *abdominis dimidium fere apicale rufum nitidum*; *pedes rufi, femoribus posticis nigris*; *alæ subhyalinæ.*

Asilus macrotelus, Walk.

Gorrite.

14. PROCTACANTHUS VETUSTUS.

Fœm. *Canus*; *caput subtus, pectus et abdomen basi densissime albo pilosa*; *antennæ, abdomen et pedes nigra*; *abdominis segmenta 4um, 5um et 6um apexque subtus rufa*; *alæ limpidae.*

Asilus vetustus, Walk.

Gorrite.

15. PROCTACANTHUS AUROLINEATUS.

Mas. *Niger*; *thorax flavus, vittis nigris*; *alæ fuscanae.*

Proctacanthus aurolineatus, Macq. Dipt. Exot. Suppl. 1, 86, 12, pl. 8, f. 9.

New Grenada.

16. PROCTACANTHUS FLAVIPENNIS.

Mas. *Testaceus*; *mystax flavidus*; *thorax vittis nigris*; *abdomen basi nigricans*; *pedes testacei*; *alæ flavæ.*

Proctacanthus flavipennis, Macq. Dipt. Exot. Suppl. 1, 85, 10.

Colombia.

17. PROCTACANTHUS DARAPS.

Asilus Daraps, Cat. of Diptera, Pt. 2, 416.

Brazil.

18. PROCTACANTHUS HAGNO.

Asilus Hagno, Cat. of Diptera, Pt. 2, 417.

Brazil.

19. PROCTACANTHUS BASIFASCIA.

Mas. et fœm. *Ferrugineus*; caput testaceum, mystace barbaque concoloribus; antennæ piceæ; thorax vittis tribus pallidis; abdomen cervinum, basi nigro fuscium, apice rufo badius; pedes rufo badii; alæ subcinereæ, fusco subnebulosæ. Fœm.—*Abdominis latera nigro vittata.*

Ferruginous. Head testaceous. Mystax and beard whitish testaceous, the former ascending to the antennæ. Antennæ piceous. Thorax with three slender dull testaceous stripes. Abdomen fawn-colour, with testaceous hairs towards the base, which has a blackish band; tip dark red. Legs dark red, with black spines and claws. *Fem.*—Abdomen with a blackish stripe along each side. Length of the body 7—10 lines; of the wings 14—16 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

Arabia.

20. PROCTACANTHUS NIVEUS.

Albo pubescens; alæ albæ.

Proctacanthus niveus, *Macq. Dipt. Exot. i. 2, 121, 1.*

Arabia.

Australia.

A. Abdomen cyaneo-nigrum. - - - Durvillei, *Macq.*

B. Abdomen cinereum, apicem versus nigrum, subtus fulvum.
posticus, *Walk.*

Group 1.

Fœm. Corpus parvum. Caput subtus pilosum. Mystax sat dense pilosus. Proboscis robusta, sublinearis. Antennarum articulus 1us 2o longior; 3us lanceolatus, 1o multo longior; arista crassa, brevissima.

P. Posticus, *Walk.*

21. PROCTACANTHUS DURVILLEI.

Fœm. *Ater*; thorax flavido pubescens, nigro trivittatus; abdomen cyaneo-nigrum; tibiæ testaceæ.

Proctacanthus Durvillei, *Macq. Dipt. Exot. i. 2, 121, 2.*

New Holland.

22. PROCTACANTHUS POSTICUS.

Fœm. *Cinereus*; *caput subtus albidum alboque pilosum*; *mystax pallide testaceus*; *antennæ nigræ*; *thorax nigro obsolete trivittatus*; *abdomen segmentis 5o et 6o supra nigris subtus fulvis, apice rufo*; *pedes fulvi, nigro vittati*; *alæ cinereæ marginatæ*.

Fem. Cinereous. Head whitish and clothed with white hairs beneath. Mystax pale testaceous. Antennæ black. Thorax with two indistinct parallel blackish stripes. Pectus with a testaceous stripe on each side. Abdomen oblongate, more than twice the length of the thorax, extending very much beyond the wings, reddish beneath and at the tip; fifth and sixth segments black above, tawny beneath. Legs tawny, with whitish down and spines; femora and tibiæ with black stripes on the outer side; tarsi piceous. Wings gray; disks nearly limpid. Halteres testaceous. Length of the body $5\frac{1}{2}$ lines; of the wings 6 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

Country unknown.

- A. Femora supra nigra. - - - - - Icadus, *Walk.*
 B. Femora postica nigra. - - - - - Ogulinus, *Walk.*

Group 1.

Antennarum arista articulo 3o non longior.

Characters like those of *Proctacanthus heros*, but with the arista not longer than the third joint of the antennæ.

23. PROCTACANTHUS ICADIUS.

Asilus Icadus, *Cat. of Diptera*, Pt. 2, 421.

24. PROCTACANTHUS OGULINUS.

Asilus Ogulinus, *Cat. of Diptera*, Pt. 2, 421.

Proctacanthus Icadus. Var.?

Genus 7. ASILUS.

Corpus maximum, magnum, aut mediocre, elongatum, hirsutum, non dilatatum, nec ciliatum, color sæpissime niger, hirsutie subcinerea, nonnunquam luteum, aut metallicum. Proboscis valida, lanceolata. Antennæ arista elongata. Tibiæ spinosæ;

tarsi non incrassati; onychia conspicua. Alarum vena radialis subcostali ad apicem convexa; venæ cubitalis furca antica simplex. *Mas.*—Sexualia mediocria aut parva, cauda forficata cornea. *Fæm.*—Abdomen stylis duabus apicalibus corneis acuminatis.

Asilus p., *Linn.*; *Deg.*, *Fabr.*; *Gmel.*; *Schr.*; *Latr.*; *Meig.*; *Fall.*; *Wied.*; *Zett.*

Asilus et *Lophonotus*, *Macq.*

Asilus, *Loew*; *Zell.*

Europe and Asia Minor.

SYNOPSIS OF THE EUROPEAN GROUPS.

A. *Fæm.* Oviductus compressus.

A. Thorax usque ad marginem anticum setosus. 1. *Lophonotus*.

B. Thorax usque ad medium setosus.

A. Lamellæ anales ovatæ, contractæ. - - 2. *Eutolmus*.

B. Lamellæ anales fere stylatæ, non contractæ.

a. *Mas.* Abdominis segmentum 8um margine postico dilatato. 3. *Machimus*.

b. *Mas.* Abdominis segmentum 8um margine postico non dilatato.

i. Pedes flavescens, nitidi. - - 4. *Mochtherus*.

ii. Pedes nigri aut pallidi, obscuri.

* Abdominis latera nigra, nitidissima.

5. *Stilpnogaster*.

** Abdominis latera non nigro nitida.

† Corpus flavido-cinereum, aut cano-cinereum. Pedes fulvo strigati aut cincti, obscuri, in *A. arthritico* nigro-cinerei, unicolores.

6. *Epitriptus*.

†† Corpus plus minusve nigro cinereum. Pedes nigri; tibiæ plerumque fulvæ.

‡ *Mas.* Sexualia incrassata, clavata. 7. *Itamus*

‡‡ *Mas.* Sexualia non incrassato clavata.

§ *Mas.* Sexualia supra conspecta plus minusve acuminata. - - - 8. *Tolmerus*.

§§ *Mas.* Sexualia plus minusve obtusa.

9. *Cerdistus*.

B. *Fæm.* Oviductus non compressus.

A. Abdominis incisuræ setis nullis.

A. Barba tenuiter pilosa. - - - 10. *Antiphrisson*.

B. Barba plerumque rude pilosa.

a. Abdomen pilis longis vagis. - - - 11. *Pamponerus*.

b. Abdomen tenuiter pilosum.

i. Corpus magnum, pilosum, nigro varium. 12. Asilus.

ii. Corpus parvum, nigro-cinereum. - 13. Rhadiurgus.

B. Abdominis incisuræ setosæ.

A. Metatarsi anteriores breves. - - 14. Echthistus.

B. Metatarsi anteriores sat longi.

a. *Fæm.* Sexualia incrassato clavata. - 15. Antipalus.

b. *Fæm.* Sexualia obconica, apice spinosa. 16. Philonicus.

Section I.

Group I. LOPHONOTUS.

Fæm. Sexualia compressa.

Oviduct compressed.

Corpus mediocre, obscure cinereum, setosum, mediæ magnitudinis. *Mystax* longus, densus. Thorax setoso cristatus. Abdomen carinatum, incisuris setosis. *Mas.*—Abdominis segmentum 8um subtus dilatatum.

Asilus, p.

Lophonotus, *Macq.*

Asilus Lophonotus, *Loew, Linn. Ent.* iii. 423.

Div. I.

Thoracis crista dense hirta.

1. ASILUS CRISTATUS.

Nigricans; facies et barba alba; mystax albo-nigroque varius; thorax setis nigris cristatus, albo lineatus; abdomen carinatum; pedes nigri; alæ limpide; halteres fulvi.

Asilus cristatus, *Meig.; Hoffm.; Zweifl.* ii. 322, 24.

Portugal.

Div. II.

Thoracis crista parce hirta.

Sub-div. I.

Mystax antennis non attingens. Antennarum articulus 3us gracilis, linearis. Metatarsi antici et intermedii sat breves. *Fæm.*—Oviductus longus, tenuis, acuminatus.

2. ASILUS PUNCTIPENNIS.

Cinereus; facies et barba albæ; mystax albo-nigroque varius; thorax vitta fusca gemina; abdomen carinatum, maculis fuscis micantibus; alæ hyalinæ, venis transversis apiceque infuscatis; halteres fuscæ.

Asilus punctipennis, Hoffm.; Meig.

Middle Europe. Italy.

3. ASILUS TENUICORNIS.

Niger; mystax niger; thorax pilis longioribus nigris brevioribus albidis; abdomen superius pallide, inferius nigro pilosum; alæ limpida.

Asilus tenuicornis, Loew, Linn. Ent. iii. 426, 3.

Chios. Ephesus.

4. ASILUS NUBECULA.

Niger; mystax niger; thorax nigro pilosus; abdomen cinereum; alæ limpida, tantum apice pallide sed distincte infumata.

Asilus nubecula, Loew, Linn. Ent. iii. 428, 4.

Smyrna.

Sub-div. II.

Mystax antennas attingens, supra rarior. Antennarum articulus 3us mediocriter latus. Metatarsi antici et intermedii sat longi. Fem.—Oviductus trigonus, vix elongatus.

I. Femora antica subtus calcarata, necnon setis solitis armata.

5. ASILUS SETIGER.

Niger; mystax supra niger, subtus albo flarescens; thorax nigro hirtus; abdomen albo flavescente pilosum et setosum; genua distincte rufescentia; femora antica subtus setis minus validis armata; alæ limpida, apice margineque postico cinerea. Mas.—Forceps analis apice obtusatus. Fem.—Oviductus angustus, basi minus compressus.

Asilus setiger, Loew, Linn. Ent. iii. 431, 5.

Smyrna. Ephesus.

6. ASILUS SPINIGER.

Niger; *mystax supra niger, subtus albo flavescens*; *thorax nigro hirtus*; *abdomen albo flavescente pilosum et setosum*; *femora antica subtus setis validissimis armata*; *alæ fusco-cinereæ, basi et antice flavo tinctæ*. Mas.—*Forceps analis apice acuminatus*. Fœm.—*Oviductus latus valde compressus*.

Asilus spiniger, Zeller, *Isis*, 1840, 70, 21. Loew, *Linn. Ent.* iii. 433, 6.

Asilus fuscipennis? Meig. *Zweifl.* ii. 337, 50.

II. Femora antica subtus pilosa, non calcarata.

7. ASILUS FURCIPULA.

Mystax supra niger, subtus albo flavescens; *thorax vittatus, nigro hirtus*; *abdomen nigro-cinereum, incisuris pallide cinereis*; *pedes omnino nigri*; *alæ fuscæ*. Mas.—*Forceps analis magnus, acutus, simplex, apice valde productus, nigro pilosus*. Fœm.—*Oviductus latus, subtrigonus, inferius nigro pilosus*.

Asilus furcipula, Loew, *Linn. Ent.* iii. 443, 9, 51, 8. Zeller, *Isis*, 1840, 68, 20.

Asilus mixtus, Loew, *Isis*, 1840, 443, 9, 548.

North and Middle Europe.

8. ASILUS TRIGONUS.

Cinerascens; *facies et barba albæ*; *mystax albo-nigroque varius*; *thorax vittis fuscis confluentibus, media lata*; *abdomen carinatum, incisuris albis, maculis dorsalibus trigonis fuscis, setis ante incisuras perlongis*; *alæ subfuscescentes, apice non infuscatæ*; *halteres sordide flavi*. Mas.—*Forceps analis valde minutus, simplex*. Fœm.—*Oviductus latissimus, margine superiore concavo, inferiore convexo*.

Asilus trigonus, Meig.

North, Middle and South Europe.

9. ASILUS TRICUSPIS.

Asilus trigono affinis; *abdomen maculis obscuris subtrigonis setisque ante incisuras longis*; *alæ apice infuscatæ*. Mas.—*Forceps analis magnus, obtusatus, apice tricuspis*. Fœm.—*Oviductus latus, subtrigonus, inferius albido pilosus*.

Asilus tricuspis, Loew, *Linn. Ent.* iii. 446, 9.

Asia Minor and the Isles of Greece.

10. ASILUS BASALIS.

Fœm. *Cinereo-fuscus*; *mystax magnus*, *pilis nigris flavidisque variis*; *tibiæ a basi ad quartam usque partem rufo-testaceæ*, *alæ subcinereæ*, *apice margineque postico obscuriores*; *oviductus latus subtrigonus*, *subtus flavido pilosus*, *lamellis apice acute mucronulatis*.

Asilus basalis, Loew, *Linn. Ent.* iii. 450, 10.

Switzerland.

11. ASILUS BIFURCUS.

Cinereo-fuscus; *mystax nigro-flavidoque varius*, *vix usque ad mediam faciei partem productus*; *thorax parce pilosus*; *tibiæ basi distincte rufæ*, *intermediæ extus longitudinaliter testaceæ*; *alæ subcinereæ*, *apice margineque postico paullo obscuriores*.
Mas. — *Forceps analis permagnus*, *apice bidentatus*, *dente superiore majore resupinato*. Fœm.—*Oviductus latissimus*, *obtusus*, *lamina inferiore latissima apice rotundata*.

Asilus bifurcus, Loew.

Austria. Hungary. Upper Italy.

12. ASILUS APICULATUS.

Cinereus; *mystax setis nigris albidisque variis*, *paullo ultra mediam faciei partem extenso*; *tibiæ omnes basi anguste rufæ*; *alæ limpidæ*, *apice margineque postico subcinereæ*.
Mas.—*Forceps analis magnus*, *obtusatus*, *margine apicis reflexo subapiculatus*. Fœm.—*Oviductus subtrigonus*, *inferius ad basin pallide pilosus*.

Asilus apiculatus, Loew, *Linn. Ent.* iii. 457, 12.

Mermeriza, Valley of the Xanthus. Asia Minor.

Group 2. EUTOLMUS.

Corpus obscure cinereum, statura mediocri. *Mystax densus*. *Thoracis vitta intermedia dimidio postico tantum setoso*. *Pedes obscuri*, *femora plerumque rufescentia*. Mas.—*Sexualia parva*, *non tumida*, *nec compressa*; *forceps analis semper simplex*, *aut*

incisura tantum apud marginem posticum parva plus minusve semicirculari. *Fœm.*—Oviductus latiusculus, non perlongus; lamellæ ovales aut ellipticæ, non elongatæ, nec stylatæ.

Eutolmus, *Loew*, *Linn. Ent.* iii.

Div. I.

Femora antica subtus non spinosa.

13. ASILUS RUFIBARBIS.

Flavo-cinereus; *facies albido*; *mystax supra niger, subtus ferrugineus*; *barba ferruginea*; *thorax nigro pilosus, vittis fuscis*; *abdomen fuscum, incisuris pallidis*; *pedes nigricantes, pilis minutis adpressis fere omnibus pallidis*; *alæ apice posticique fuscescentes*; *halteres fulvi*. *Mas.*—*Abdominis segmentum 8um margine inferiore in appendicem sat longam producto*. *Fœm.*—*Oviductus latissimus, apice oblique truncatus*.

Asilus rufibarbis, *Meig. Zweifl.* ii. 311, 6. *Macq. Dipt. Nord.*

Asil. 29, 3. *Loew, Isis*, 1840, 541, 7; *Linn. Ent.* iii. 460, 13.

Asilus melampodius, *Zeller, Isis*, 1840, 67, 19. *Zett. Dipt. Scand.* i. 173, 8.

North and Middle Europe.

14. ASILUS APICATUS.

Mas. *Cinereus*; *mystax fere totus niger, inferius parum flavido pilosus*; *pedes atrii, pilis minutis adpressis fere omnibus nigris*; *alæ limpidæ, apice fusco-cinereæ*; *margo inferior segmenti abdominalis octavi perparum dilatatus, ciliato pilosus*.

Asilus apicatus, *Loew, Linn. Ent.* iii. 464, 14.

Switzerland, Tyrol.

15. ASILUS FACIALIS.

Fœm. *Cinereus*; *mystax flavidus, unicolor*; *genæ longe descendentes*; *pedes nigri*; *alæ hyalinæ, subfuscescentes, apice obscuriores*; *oviductus latus, apice oblique truncatus*.

Asilus facialis, *Loew, Linn. Ent.* iii. 467, 15.

Ephesus.

16. ASILUS PICTIPES.

Mas. *Cinereus*; *mystax supra niger, subtus albidus*; *pedes nigri, femorum annulo apicali, tibiæ omnium basali, intermediorum anticorumque altero subapicali, maximeque metatarsorum parte rufis*; *alæ limpida, apice margineque postico fusco-cinerea*; *margo segmenti octavi inferior non dilatatus*; *forceps analis minutus subacutus, obscure pilosus, margine posteriore leviter exciso.*

Asilus pictipes, Loew, Linn. Ent. iii. 470, 16.

Middle Germany.

17. ASILUS CALOPUS.

Cinereus; *mystax nigro-flavoque varius*; *pedes nigri*; *tibiæ melleæ, apice abrupte nigra*; *alæ limpida, apice margineque postico obscura.* Mas.—*Margo segmenti abdominalis Si inferior dilatatus, ciliatus*; *forceps mediocris, subacutus, integer, nigro pilosus.* Fœm.—*Oviductus latus, apice oblique truncatus, lamellis apicalibus rotum dato ovatis, obtusis.*

Asilus calopus, Loew, Linn. Ent. iii. 474, 17.

Makri. Patara. Rhodes.

18. ASILUS PERISCCELIS.

Fœm. *Cinereus*; *mystax parum setosus, ab antennis remotiusculus*; *pedes nigri, tibiis basi anguste sed distincte rufis*; *alæ limpida, apice striato obscuriores*; *oviductus breviter trigonus, lamellis apicalibus oblongo ovatis, apice obtusiusculis.*

Asilus periscelis, Loew, Linn. Ent. iii. 478, 18.

Morkan, Asia Minor.

Div. II.

Femora antica subtus spinosa.

19. ASILUS POLYPOGON.

Mas. *Cinereus*; *mystax densissimus, antennis subcontiguus*; *pedes nigri*; *tibiis basi late et distinctissime rufescentibus, femoribus anticis subtus setis nigris minus validis*; *alæ limpida, apice subcinerea*; *forceps analis parvus, apice rotundatus, margine posteriore profunde exciso.*

Asilus polypon, Loew, Linn. Ent. iii. 480, 19.

Ephesus.

20. ASILUS EXCISUS.

Mas. *Cinereus*; facies satis angusta; mystax densus, ob antennas remotiusculus; pedes nigri; tibiæ basi utrinque extus longitudinaliter rufæ; alæ subfusco hyalinæ, apud venas obscuriores; forceps analis magnus, latus, validus, apice valde obtusatus, margine posteriore superius exciso.

Asilus excisus, Loew, Linn. Ent. iii. 483, 20.

Ephesus.

21. ASILUS MORDAX.

Cinereus; mystax flavidus, extus et superius parum niger; abdomen maculis nigris maximis in mare subquadratis, in femina fere semicircularibus; pedes nigri, tibiis basi rufis; alæ limpide, striis subcinereis. Mas.—Forceps analis parvus simplex, apice subrotundatus, margine posteriore brevissimo simplice. Fœm.—Oviductus latus apice oblique truncatus, lamellis terminalibus latis, apice subacutis.

Asilus mordax, Loew, Linn. Ent. iii. 485, 21.

Rhodes.

22. ASILUS PARRICIDA.

Cinereus; mystax flavidus, extus parce nigro pilosus; abdomen flavidum, incisuris albidioribus; pedes castanei, interdum fere cervini, femoribus tibiisque antè et inferius nigris; alæ limpide, apice margineque postico fuscescentes. Mas.—Forceps analis vix mediocris, simplex, apice subacutus, margine posteriore simplice rotundato. Fœm.—Oviductus latus, apice oblique subtruncatus, lamellis terminalibus latis, apice subacutis.

Asilus parricida, Loew, Linn. Ent. iii. 490, 22.

Patara.

Group 3. MACHIMUS.

Corpus nigro-cinereum aut fusco-cinereum, statura mediocri aut minori. Facies lata. Pedes sæpissime validi; femora plus minusve incrassata, antica pilosa. Mas.—Sexualia nitida, mediocria, non compressa nec tumida, forcepe plerumque simplici. Fœm.—Oviductus acuminatus, tiigonus, plerumque productus, nonnunquam ensiformis, lamellis porrectis longiusculis fere stylatis.

The species of this group are distinguished from those of *Eutolmus* by the distinct prominent almost style-shaped lamellæ on the end of the pointed ovipositor of the female, which it has in common with the species of all the following groups of the first principal division; from these last it is distinguished by the distinct widening and by the edge tip-like lengthening of the under hind border of the eighth abdominal segment of the male. The species are of black-gray or of brown-gray colour, of large or of middle size. The legs are more or less stout, the femora are more or less thickened, the anterior are marked by their more or less long and thick hairs. The legs are generally black; the tibiæ are red, the fore femora are mostly without spines beneath. The face is broad. The sexual parts of the male are shining black in all the species; of middle size, not compressed nor enlarged; the forceps are simple in most species. The ovipositor has in all the species a triangular tip, in some it is sabre-shaped, in most it is somewhat straight, but in none has it a linear figure. Most of these characters are modified in some of the species.

Div. I.

Mas. Abdominis segmentum 8um subtus in mucronem productum.

The under border of the eighth abdominal segment of the male lengthened into an edge, or with a tufted and fringe-like clothing, which has the appearance of an edge.

Subdiv. I.

Mas. et fæm. Femora antica subtus setosa.

23. ASILUS CRIBRATUS.

Obscure cinereus; mystax albus; pedes nigri, femoribus tibiisque longitudinaliter piceo striatis; alæ limpidae venis ferrugineis, apice margineque postico subcinereis venis obscurioribus.
Mas.—*Forceps analis margine posteriore profunde exciso.*
Fæm.—*Oviductus longus, acutus, basi minus compressus.*

Asilus cribratus, Læw, Linn. Ent. iv. 3, 23.

Sicily.

Subdiv. II.

Femora antica maris inermia, *fæm.* subtus setosa.

24. ASILUS CHRYSITIS.

Aurulans; facies albida; mystax supra niger, subtus albida; barba albida; thorax vittis et abdomen maculis dorsalibus fuscis; pedes ferruginei, femoribus nigricantibus superius et apice ferrugineis; alæ fuscæ; halteres flavi.

Asilus chrysis, Hoffm.; Meig., Macq. *Hist. Nat. Dipt.* i. 304, 4.
Loew, Linn. *Ent.* iv. 7, 24.

Asilus femoralis, Zeller, *Isis*, 1840, 49, 3.

South France. Portugal. Albania, &c.

25. ASILUS FORTIS.

Obscure cinereus; mystax densus, magnus, niger fulvusque; pedes nigri, tibiis omnibus basi anterioribus et extus rufescentibus; alæ limpidæ, apice margineque postico cinereis. Mas.—*Penis dente intermedio lateralibus validiore et longiore.*

Asilus fortis, Loew, Linn. *Ent.* iv. 12, 25.

Italy. Sicily.

26. ASILUS BASALIS.

Mas. *Obscure cinereus*; mystax magnus, fulvus, setis nonnullis nigris; penis dente intermedio tenui, lateralibus brevioribus; pedes nigri, tibiis basi tantum rufis; alæ limpidæ, apice margineque postico subcinereis.

Asilus basalis, Loew, Linn. *Ent.* iv. 16, 26.

Hungary.

Subdiv. III.

Mas. et fœm. Femora antica setis subtus nullis.

27. ASILUS COLUBRINUS.

Subcinereus; facies et mystax flavo-albida; barba alba; thorax nigro vittatus, stria humerali valde abbreviata; abdomen tessellatum; pedes nigri, setis nigris, tibiis basi anguste rufescentibus; alæ subflavescentes, apice cinereæ. Mas.—*Abdominis segmentum 8um margine inferiore valde dilatato, in laciniam distinctam vix producto.*

Asilus colubrinus, Hoffm.; Meig. *Zweifl.* ii. 335, 46. Loew, Linn. *Ent.* iv. 19, 27.

Asilus pilipes? Meig. *Zweifl.* ii. 320, 21, *mas.*

Asilus fimbriatus? Meig. *Zweifl.* ii. 320, 20, *fœm.*

South Europe.

a, b. England? From Mr. Stephens' collection.

c. Italy? From Dr. Leach's collection.

28. ASILUS GONATISTES.

Mas. et fœm. *Thoracis stria humeralis subintegra; pedes nigri, setis nigris, tibiis basi anguste rufescentibus; alæ limpidae, apice margineque postico subcinereis.* Mas.—*Segmenti abdominalis 8i margo inferior in laciniam satis longam productus.*

Asilus gonatistes, Zeller, *Isis*, 1840, 65, 17. Loew, *Linn. Ent.* iv. 24, 28.

Asilus obscurus? Meig. *Zweifl.* ii. 315, 12.

Cinereus; facies albida; mystax pallidus, supra parum niger; barba flavicans; thorax fusco vittatus; abdomen maculis dorsalibus fuscis; pedes nigricantes; alæ subcinereæ; halteres flavi.

South Europe.

29. ASILUS RUSTICUS.

Flavo-cinereus; facies, mystax et barba pallida; facies satis lata; thoracis pedumque setæ fere omnes flaveseentes; thorax fusco vittatus, postice fluvo pilosus; abdomen fuscum, incisuris pallidis; pedes nigro-cinerei; alæ et halteres fuscescentes.

Asilus rusticus, Meig. *Zweifl.* ii. 311, 7. Loew, *Linn. Ent.* iv. 27, 29.

Asilus genualis, Zeller, *Isis*, 1840, 62, 15.

South Europe. Italy. (Verona.)

30. ASILUS ATRICAPILLUS.

Cinereus; facies angusta alba; mystax niger; barba cinereo-alba; thorax vitta nigra; abdomen nigricans, incisuris albis; pedes nigri, femoribus tibiisque longitudinaliter fulvo striatis; alæ apice posticeque cinereo-fuscescentes; halteres fuscescentes.

Mas. *Margo inferior segmenti abdominalis 8i in laciniam apice arcuatim vel subarcuatim excisam productus.*

Asilus atricapillus, Fall. *Dipt. Asil.* 10, 5; Meig. *Zweifl.* ii. 327, 31; Zett. *Ins. Lapp.* 506, 3. *Dipt. Scand.* i. 168, 4. Loew, *Linn. Ent.* iv. 31, 30.

Asilus opacus, Gürtl.; Meig.; Macq. *Dipt.* i. 304, 6.

Cinereus; facies et barba albæ; mystax niger; thorax nigro vittatus; abdomen fusco micans, incisuris cinereis; pedes anteriores rufescentes, postici nigro-picei; alæ subcinereæ; halteres albo-fuscescentes.

a, b. England? From Mr. Stephens' collection.

Asilus calceatus, Megerle; Meig. Zweifl. ii. 316, 14.

Rufo-cinereus; facies albida; mystax supra niger, subtus fulvus; barba fulva; thorax fusco vittatus; abdomen fusco micans, incisuris pallidis; pedes ferruginei, femoribus fuscis; alæ subcinereæ; halteres fulvi.

a. ———? From Mr. Children's collection.

Asilus bicornis, Zeller, Isis, 1840, 56, 10.

Asilus subulatus, Loew, Isis, 1840, 12, 548.

Asilus rufimanus? Megerle; Meig. Zweifl. ii. 339, 53.

Cinereus; facies et barba albida; mystax niger, subtus parum albidus; thorax nigro vittatus, vitta intermedia duplicata; abdomen nigrum, incisuris albis; pedes testacei, femoribus nigris; alæ subcinereæ; halteres albi.

Asilus plebeius? Meig. Zweifl. ii. 340, 55. Macq. Hist. Nat. Dipt. i. 306, 15.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax nigro vittatus, vitta intermedia gemina; abdomen nigrum, incisuris albis; pedes nigricantes; alæ subcinereæ; halteres flavescentes.

a, b. ———? From Mr. Children's collection.

North and South Europe.

Div. II.

Mas. Abdominis segmentum 8um subtus vix dilatatum, hirsutum, mucronem non fugens.

Sub-div. I.

Tibiæ ex parte fulvæ.

31. ASILUS DASYPYGUS.

Alæ pure hyalinæ, apice vix levissime infuscatæ. *Mas.*—Forceps validus apice obtusus, lamellis inferioribus inferius densissime scopatis. *Fæm.*—Oviductus longus angustus, apice subrecurvus.

Asilus dasypygus, Loew, *Linn. Ent.* iv. 39, 31.

Sicily.

32. ASILUS ELEGANS.

Subtus albido crinitus; alæ ad apicem et marginem posteriorem distincte infuscatae. Mas.—Forceps vix mediocris, lamellis inferioribus apice late truncatis. Fœm.—Oviductus trigonus, acutus.

Asilus elegans, Loew, *Linn. Ent.* iv. 42, 32.

Makri, Asia Minor.

Sub-div. II.

Pedes toti nigri.

A. *Mystax setis mediis validissimis.*

33. ASILUS SETIBARBUS.

Frons nigro pilosa; stria thoracis intermedia antrorsum distincte dilatata; femora antica albo pilosa. Mas.—Forceps tenuis, acutus.

Asilus setibarbus, Loew, *Linn. Ent.* iv. 45, 33.

Rhodes and the Isles of Greece, Asia Minor.

34. ASILUS THORACICUS.

Frons albido pilosa; stria thoracis intermedia lata, antrorsum vix dilatata, femora antica albo pilosa. Mas.—Forceps sat validus, ovatus, obtusiusculus.

Asilus thoracicus, Loew, *Linn. Ent.* iv. 48, 34.

Makri, Asia Minor.

35. ASILUS LUGENS.

Fœm. Femora antica abdomenque utrinque maxima ex parte nigro pilosa.

Asilus lugens, Loew, *Linn. Ent.* iv. 51, 35.

Asilus caliginosus? Meig. *Zweifl.* ii. 313, 10.

Cinereus; facies albida; mystax niger, subtus pallidus; barba pallida; thorax nigro vittatus; abdomen nigro micans; pedes picei; alæ limpidae, apice subfuscescentes; halteres fusc.

Verona.

36. ASILUS CYANOPUS.

Mas. *Abdominis margo lateralis maculis nitentibus nullis ; segmentum octavum atrum, utrinque nitidissimum ; pedes nigro-cyanei.*

Asilus cyanopus, Loew, *Linn. Ent.* iv. 53, 36.

Austria.

37. ASILUS MODESTUS.

Abdominis margo lateralis serie macularum atrarum nitentium signatus. Mas.—*Abdominis segmentum octavum nigrum, superius subopacum.*

Asilus modestus, Loew, *Linn. Ent.* iv. 55, 37.

Ephesus and Mermeriza.

Group 4. MOCHTHERUS.

Corpus cinereum aut cinereo-flavum, majusculum, mediocre aut minus. Faciei pars convexa sæpissime minuta. Mystax setis paucis. Pedes fulvescentes, breviter hirti. Mas.—Sexualia sæpissime incrassata, obtusa. Fœm.—Oviductus valde acuminatus.

Mochtherus, Loew, *Linn. Ent.* iv. 58:

Ashy gray, yellowish gray or grayish yellow species, of rather large, middling, or small size. Legs bare, of a predominating clear and more or less reddish yellow colour, which appears and shines through the short covering of hairs. The convex part of the face is in most species very small, and but thinly beset with bristles. The ovipositor is much pointed; the sexual parts of the male are very thick and club-like, *A. castanipes* being the only exception yet known where they are small and rather pointed, but this species is only provisionally associated with the rest.

Div. I.

Femora distincte incrassata. Mas.—Sexualia parva, subacuminata.

38. ASILUS CASTANIPES.

Flavo-cinereus ; caput et mystax flavicantia ; thorax vittis badiis ; stria humeralis distinctissima, leviter flexuosa ; abdomen fusco micans, incisuris pallidis ; pedes badii ; alæ fuscæ, apice subcinereæ ; halteres fuscæ.

Asilus castanipes, Meig. *Zweifl.* ii. 312, 9. Macq. *Dipt. Exot.* i. 2, 137, 6. *Explor. Scient. Alg.* iii. *Ins.* 440, 73. Loew, *Linn. Ent.* iv. 58, 38.

Asilus brunnipes? Fabr. *Ent. Syst.* iv. 384, 35. Meig. *Zweifl.* ii. 331, 38. Wied. *Dipt. Exot.* i. 428, 6. Macq. *Dipt.* i. 307, 19.

Dasygogon brunnipes? Fabr. *Syst. Antl.* 170, 27.

Subcinereus; *thorax fusco quadrivittatus*; *abdomen incisuris flavis*; *pedes badii*; *alæ subflavescentes, apice subcinereæ.*

South Europe. Sardinia. North Africa.

Div. II.

Pedes graciles; *femora non incrassata.* Mas.—*Sexualia crassa, tumida.*

39. ASILUS FLAVICORNIS.

Antennis totis flavis.

Asilus flavicornis, Ruthe, *Isis*, 1831, 1217. Loew, *Linn. Ent.* iv. 61, 39.

Asilus Olivierii? Macq. *Dipt. Exot.* i. 2, 136, 3.

Germany.

Mas. *Flavido-cinereus*; *antennæ fulvæ*; *abdomen fuscum, incisuris albidis*; *pedes mellei.*

Isle of Naxos.

40. ASILUS FLAVIPES.

Fœm. *Subferrugineus*; *caput flavicans, thorax fusco bivittatus*; *abdomen cinerascens, incisuris albis*; *pedes flavi, femoribus vitta nigra*; *alæ flavescentes, postice apiceque subcinereæ*; *halteres flavi.*

Asilus flavipes, Megerle; Meig. *Zweifl.* ii. 325, 28. Loew, *Linn. Ent.* iv. 63, 40.

Austria. Hungary.

41. ASILUS MUNDUS.

Cinerascens, antennarum articulis 1us et 2us pedesque flavi.

Asilus mundus, Loew, *Linn. Ent.* iv. 65, 41.

Asilus analis? Macq. *Dipt. Exot.* i. 2, 136, 2, pl. 12, f. 4.

Isle of Rhodes.

Mas. *Pallide cinereus; anus crassus, rufus; pedes mellei; alæ subflavescentes, apice cinereæ.*

Isle of Naxos.

42. ASILUS PALLIPES.

Cinereus; facies, mystax et barba alba; thorax fusco vittatus; abdomen nigrum, incisuris albis; pedes flavi, femoribus nigro striatis; alæ apice posticeque subcinereæ; halteres flavi.

Asilus pallipes, Megerle; Meig. Zweifl. ii. 327, 32. Zeller, Isis, 1840, 56, 9. Loew, Linn. Ent. iv. 67, 42.

Asilus omissus, Meig. Zweifl. ii. 332, 40.

Subcinereus; facies, mystax et barba alba; thorax vittis obscurioribus; abdomen nigricans, fasciis subcinereis; pedes testacei, femoribus striga nigra; alæ hyalinæ; halteres flavescentes.

Asilus fulvipes, Meig. Zweifl. ii. 326, 30.

Schistaceus; facies, mystax et barba alba; thorax vitta duplicata nigra; abdomen nigricans, incisuris albidis; pedes flavi; alæ limpidæ, apice subcinereæ; halteres flavi.

The whole of Middle Europe.

a. ——— ?

43. ASILUS STRIATIPES.

Frons nigro pubescens; pedes testacei, femoribus antice nigris. Mas.—Forceps analis testaceus.

Asilus striatipes, Loew, Linn. Ent. iv. 69, 43.

Sicily.

44. ASILUS ALBICANS.

Mas. Frons antice albido pilosa; pedes testacei, femoribus antice nigris; forceps analis testaceus.

Asilus albicans, Loew, Linn. Ent. iv. 72, 44.

Patara.

Group 5. CERDISTUS.

Corpus nigro-cinereum, aut fere nigrum, parvum, aut vix mediocre. Facies sat parva; pars convexa minuta. Pedes sæpis-

sime nigri. *Mas.*—Forceps analis non acuminatus, nonnunquam fere clavatus. *Fœm.*—Oviductus longissimus, acutissimus.

Cerdistus, *Loew*, *Linn. Ent.* iv. 74, 5.

Blackish gray or almost black species of very small or hardly middle size. Colour of the legs mostly black. Forceps not pointed, almost club-like in some species. Ovipositor very long and pointed, otherwise having always the usual structure. Face rather small; convex part little.

45. ASILUS ERYTHRURUS.

Cinereus; *facies et barba albæ*; *mystax supra niger, subtus albus*; *thorax nigro vittatus*; *abdomen nigro micans, incisuris albis*; *pedes nigri, tibiis testaceis apice nigris*; *alæ subcinereæ*; *halteres flavi*.

Asilus erythrurus, *Meig. Zweifl.* ii. 337, 49. *Macq. Hist. Nat. Dipt.* i. 306, 12. *Loew, Linn. Ent.* iv. 74, 45.

Asilus tenuis, *Macq. Dipt.* i. 307, 16.

South France. Piedmont, Italy.

46. ASILUS DENTICULATUS.

Tibiæ basi obscure fuscæ. *Mas.*—*Forceps niger, apice testaceus dente elongato tenui*.

Asilus denticulatus, *Loew, Linn. Ent.* iv. 77, 46.

Var. Minor. Rhodes. End of April.

Var. Major. Stanchio and Skalanova, Asia Minor. Beginning of June.

47. ASILUS MELANOPUS.

Cinereus; *facies et barba albæ*; *mystax albus, supra parum niger*; *thorax nigro vittatus, vitta intermedia integra*; *abdomen nigrum, incisuris albis*; *pedes toti nigri*; *alæ fuscescente cinereæ*; *halteres fusco-flavi*.

Asilus melanopus, *Meig. Zweifl.* ii. 338, 52. *Loew, Linn. Ent.* iv. 80, 47.

Asilus alpinus, *Meig. Zweifl.* ii. 336, 48. *Macq. Hist. Nat. Dipt.* i. 309, 28.

Swiss Alps.

Var. *Canus*; *facies, mystax et barba alba*; *scutellum albidum*; *abdomen nigrum, incisuris albis*; *pedes nigri*; *alæ cinereæ, dimidio basali hyalinæ*; *halteres fuscii*.

Chamounix.

Group 6. STILPNOGASTER.

Facies sat parva; *pars convexa magna, valde convexa*. Thorax breviusculus. Abdomen omnino nigrum, nitidum.

Stilpnogaster, *Loew, Linn. Ent. iv. 82, 6.*

Face rather small; convex part large, very convex. Thorax somewhat shorter than in the other groups. Abdomen on both sides shining black in all directions.

48. ASILUS ÆMULUS.

Cinereus; *facies et barba alba*; *faciei pars convexa magna*; *mystax niger*; *thorax fusco vittatus, vitta intermedia gemina*; *abdomen utrinque nigrum, nitidum, incisuris punctisque duobus ad basim albis*; *pedes nigri*; *alæ apice subcinereæ*; *halteres flavi*.

Asilus æmulus, *Hoffm.; Meig. Zweifl. ii. 329, 35. Loew, Linn. Ent. iv. 82, 48.*

Asilus stabilis, *Zeller, Isis, 1840, 53, 7.*

Asilus nigricans, *Macq. Hist. Nat. Dipt. i. 309, 25.*

Austria. South Europe.

Group 7. ITAMUS.

Corpus nigro-cinereum, mediocre aut majusculum. Tibiæ plus minusve fulvæ. *Mas.*—Sexualia lata, crassa, nigra, nitida. *Fem.*—Oviductus semper distincte elongatus.

Middle or rather large-sized species, of a blackish gray colour. Tibiæ more or less tawny. *Male.*—Sexualia broad, thick, black, shining. *Fem.*—Ovipositor of conspicuous length in all the species.

Div. I.

Abdominis segmenta 6um et 7um in oviductum comprehensa.

Sixth and seventh abdominal segments forming part of the ovipositor, so that the abdomen of the female appears five-jointed.

49. ASILUS ÆSTIVUS.

Cinereus; *facies, mystax et barba alba*; *thorax nigro vittatus, vitta intermedia duplicata*; *abdomen nigrum, incisuris cinereis*; *pedes nigri, setis fere omnibus, nigris tibiis fulvis*; *alæ fere limpidae*; *halteres flavi*. Mas.—*Abdomen postice cyaneo micans*.

Asilus æstivus, Schrank. Meig. Zweifl. ii. 316, 15; Macq. Dipt. i. 304, 7; Zeller, Isis, 1840, 54, 8; Zett. Ins. Lapp. 505; Dipt. Scand. i. 167, 3.

Asilus tibialis, Fall. Dipt. Asil. 9, 4.

Asilus niger? Deg. Ins. vi. 99, 9.

Asilus cyanurus, Loew, Linn. Ent. iv. 84, 49.

Asilus tabidus, Wied.; Meig. Zweifl. ii. 332, 41.

Dilute schistaceus; *facies argentea*; *mystax supra niger*; *subtus albus*; *barba alba*; *thorax vittis tribus latis nigris*; *abdomen fasciis nigro-fuscis*; *pedes nigri*; *alæ hyalinæ*; *halteres flavescentes*.

North and South Europe.

50. ASILUS COTHURNATUS.

Cinereus; *facies albida*; *mystax stramineus*; *setis paucis nigris*; *barba alba*; *thorax nigro vittatus*; *abdomen nigrum, incisuris cinereis*; *pedes nigri, setis longitudine insignibus majore ex parte pallidis, tibiis fulvis*; *alæ fere limpidae*; *halteres flavi*.

Mas. *Abdomen postice non cyaneo micans, forcipe anali brevissimo, valde inflato*.

Asilus cothurnatus, Meig.; Loew, Linn. Ent. iv. 88, 50.

Middle Europe.

Div. II.

Fem. Abdominis segmenta 6um et 7um oviductum non formantia.

Fem. Sixth and seventh abdominal segments of the usual structure not forming part of the ovipositor.

51. ASILUS GENICULATUS.

Cinereus; *facies, mystax et barba nigra, ille parvus*; *thorax nigro vittatus*; *abdomen nigro micans, incisuris cinereis*; *pedes nigri, tibiis metatarsisque flavis*; *alæ fere limpidae*; *halteres flavi.*

Asilus geniculatus, Meig.; *Loew, Linn. Ent. iv. 90, 51.*

South and part of North Europe.

a.—e. ——— ?

52. ASILUS ACANTHODES.

Mystax magnus; *tibiæ basi rufo-fuscæ, femora intermedia valde setosa.*

Asilus acanthodes, Loew, Linn. Ent. iv. 92, 52.

Makri, Asia Minor.

Group 8. TOLMERUS.

Corpus nigro-cinereum, parvum, mediocre, aut sat magnum. *Facies parva, parte magna convexa. Mystax dense setosus. Pedes nigri; femora strigis basalibus rufo-fuscis; tibiæ basi rufo-fuscæ. Mas.—Sexualia sæpissime parva, castanea aut nigra. Fœm.—Oviductus variæ longitudinis.*

Tolmerus, Loew, Linn. Ent. iv. 94.

Blackish gray species of rather large, middle, or small size. Colour of the legs mostly black, which is very little or not at all hidden by the short hairiness. In all the species the tibiæ are reddish brown at the base, and the femora have towards the base reddish brown streaks, which are more or less indistinct, but not wanting. Face small; convex part large, thickly beset with bristles. Sexualia of the male small, in one species of middle size, chestnut-brown or clear, but not shining black, not enlarged in any species, appearing pointed behind when viewed from above. Ovipositor pointed, either rather short or rather long, always much shorter than the three last abdominal segments together.

Div. I.

Pedes valde setosi. Mas.—Sexualia valde compressa; forceps sat latus.

Sexualia of the male much compressed; forceps rather broad. Legs very bristly.

53. ASILUS LONGIMANUS.

Tarsi graciles, elongati.

Asilus longimanus, Loew, Linn. Ent. iv. 95, 51.

Rhodes, and the neighbouring coast of Asia Minor.

Div. II.

Mas. Sexualia parva, non compressa; forceps angustus.

Sexualia of the male small but not compressed; forceps narrow.

54. ASILUS TESSELLATUS.

Alæ hyalinæ, apice levissime infuscatæ; antennarum articulus 3us elongatus, tenuis.

Asilus tessellatus, Loew, Linn. Ent. iv. 98, 54.

Asia Minor.

55. ASILUS PÆCIOGASTER.

Antennarum articulus 3us brevis, arista subæquali; alæ apice leviter infuscatæ.

Asilus pæciogaster, Loew, Linn. Ent. iv. 101, 55.

Trieste. Sicily.

56. ASILUS PYRAGRA.

Alæ ad apicem marginemque posteriorem totum distinctissime infuscatæ; venter non tessellatus.

Asilus pyragra, Zeller, Isis, 1840, 60, 13. Loew, Linn. Ent. iv. 105, 56.

Germany.

a.—d. ——— ?

Group 9. EPITREPTUS.

Corpus flavo-cinereum aut cinereo-flavum, mediocre aut parvum. Facies parum angustata. Pedes cinereo-fusci, fulvo varii. *Mas.*—Sexualia sat parva, acuminata, aut subacuminata. *Fæm.*—Oviductus trigonus, acuminatus.

Epitreptus, Loew, Linn. Ent. iv. 108.

Yellowish ash-gray or grayish yellow species, of moderate or small size. Legs more or less streaked, blackish in one species at the articulation of the base of the tibia, opaque blackish gray in this

species, owing to the thick overlying hairiness; in all other species of an uniform grayish brown, which is a characteristic of this group. Face not especially narrow. Sexualia of the male rather small, pointed or somewhat pointed at the tips, but with a distinct rim on the hind border of one species. Ovipositor pointed, triangular.

57. ASILUS CINGULATUS.

Canescens; *mystax supra niger, subtus albus*; *barba alba*; *thorax fusco trivittatus*; *abdomen lineu dorsali nigra*; *tibiæ fulvæ, nigro annulatæ*; *alæ hyalinæ, postice subcinereæ*; *halteres fulvi*.

Asilus cingulatus, *Fabr. Spec. Ins.* ii. 464, 25; *Ent. Syst.* iv. 385, 41; *Syst. Antl.* 172, 36. *Schr. Faun. Boic.* iii. 2548. *Fall. Dipt. Snec. Asil.* 10, 6. *Meig. Klass. Ins.* 268; *Zweifl.* ii. 325, 29; *Macq. Dipt. Nord. Asil.* 33, 10; *Hist. Nat. Dipt.* i. 305, 10; *Zeller, Isis*, 1840, 59, 12; *Loew, Isis*, 1840, 541, 16.

Asilus annulatus, *Macq. Dipt. Nord. Asil.* 36, 16.

The whole of Europe. South Italy. Dalmatia. Turkey.

58. ASILUS SETOSULUS.

Venter ante incisuras setulis binis validis armatus; *mystax flavidus, pilis nigris superius admixtis*.

Asilus setosulus, *Zeller, Isis*, 1840, 58, 11; *Loew, Linn. Ent.* iv. 111, 58.

Asilus striatus, *Macq. Dipt. Nord. Asil.* 35, 14; *Hist. Nat. Dipt.* i. 396, 14.

Asilus striatus?? *Meig. Zweifl.* ii. 340, 54.

Cinereus; *facies et barba alba*; *mystax albus, supra parum niger*; *thorax nigro vittatus, vitta intermedia gemina*; *abdomen cinereo micans, linea dorsali nigra*; *tibiæ testaceæ*; *alæ hyalinæ, apice cinereæ*; *halteres flavi*.

Asilus nanus, *Loew, Isis*, 1840, 540, 5.

Middle Europe.

a. ——— ?

59. ASILUS INCONSTANS.

Flavo-cinereus; *facies flavicans*; *mystax pilique antennarum pulvide flavi*; *barba alba*; *thorax fusco trivittatus*; *abdomen varium, fusco obsolete vittatum, ventre ante incisuras setulis binis validis armato*; *pedes subtestacei, nigro vittati*; *alæ flavido subcinerei*; *halteres flavo-fusci*.

- Asilus inconstans*, *Hoffm.*; *Meig.*; *Germ. Faun.* xv. 21. *Macq. Dipt. Exot.* i. 2, 138, 8; *Éxpl. Sci. Alg.* iii. Ins. 441. *Loew, Linn. Ent.* iv. 114, 59.
- Asilus culiciformis?* *Pallas*; *Wied. Zool. Mag.* i. 2, 32. *Meig. Zweifl.* ii. 324, 28.

Incanus; *facies, mystax et barba alba*; *thorax fusco trivittatus*; *abdomen subulatum, fusco fasciatum*; *pedes fulvescentes, femoribus nigro vittatis*; *alæ fere limpidae*; *halteres flavi.*

South France. Portugal. Asia Minor. Algeria. Egypt. Canary Isles.

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

b. ———?

60. ASILUS SENEX.

Subcinereus; *facies angusta, flavicans*; *mystax, barba et antennæ basi albo pilosa*; *antennarum articulus 3us sat gracilis*; *thorax trivittatus*; *abdomen albo subfasciatum*; *pedes nigri*; *alæ limpidae*; *halteres rufo-fusci.*

Asilus senex, *Hoffm.*; *Meig. Zweifl.* ii. 321, 22. *Loew, Linn. Ent.* iv. 117, 60.

Portugal.

61. ASILUS ARTHRITICUS.

Pedes nigri, tibiis basi fuscis.

Asilus arthriticus, *Zeller, Isis*, 1840, 64, 16. *Loew, Isis*, 1840, 543, ii. 584; *Linn. Ent.* iv. 118, 61.

Middle Europe.

62. ASILUS EMARGINATUS.

Mas. et fœm. Venter absque setulis erectis ante incisuras; *mystax pilique in antennarum articulis 1o et 2o omnes flavescentes.*

Asilus emarginatus, *Loew, Linn. Ent.* iv. 121, 62.

Italy. (Rome.)

Section II.

Fœm. Sexualia conica, nonnunquam clavata, non compressa, aut apice tantum subcompressa.

Oviduct conical, occasionally clavate, not compressed, or but slightly compressed at the tip.

Group 10. ANTIPHRISSON.

Corpus mediocre, cinerascens, aut cinereo flavescens. Mystax pilosus, albus, pilis paucis nigris. Abdomen nudum; incisuræ setis nullis. Pedes strigati. Alæ limpidæ, apice paullo obscuriores. *Mas.*—Sexualia parva, simplicia, nigro-fusca aut rufescentia. *Fem.*—Abdomen fere planum, acuminatum. Oviductus conicus, breviter hirtus, longitudine mediocri.

Antiphrisson, *Loew, Linn. Ent. iv. 123.*

Grayish or grayish yellow species, of moderate size, like those of the preceding group in colour. Mystax white with fine hairs, and with a few black hairs by the epistoma. In a scarce variety of *A. trifarius* the highest hairs are black. Abdomen bare; the incisures with no bristles. Legs with dark and pale stripes; the ground-colour quite apparent through the light covering of hairs. Wings limpid, very slightly darker at the tips. *Male.*—Sexualia small, simple, blackish brown, or brownish red, or paler. *Fem.*—Abdomen acuminated, nearly flat. Oviduct conical, of moderate length, with short hairs.

63. ASILUS ADPRESSUS.

Thorax pilis minutis albis adpressis vestitus.

Asilus adpressus, Loew, Linn. Ent. iv. 125, 63.

Meander, Asia Minor.

64. ASILUS ANGUSTIFRONS.

Facies angusta.

Asilus angustifrons, Loew, Linn. Ent. iv. 126, 64.

Meander, Asia Minor.

65. ASILUS TRIFARIUS.

Facies lata, thorax pilis nigris.

Asilus trifarius, Loew, Linn. Ent. iv. 128, 65.

Sicily. Isles of Greece. Asia Minor.

Group 11. ASILUS.

Corpus magnum aut maximum, coloribus intensis. Mystax densus, fulvus aut ferrugineus, unicolor. Proboscis longus, acuminatus. Antennæ basi breviter pilosæ. Thorax planiusculus, breviter hirtus, setis abbreviatis posticis. Abdomen nudum; incisuræ

setis nullis. Metatarsus non abbreviatus. Alæ fulvæ, apice marginæ postico nigro-fuscæ. *Mas.*—Sexualia parva, simplicia. *Fæm.*—Oviductus obconicus, acuminatus.

Asilus, *Loew*, *Linn. Ent.* iv. 132.

Bright and deep coloured, large or very large species. *Mystax* with rough hairs, tawny or ferruginous, of one colour. Proboscis especially long and pointed. First and second joints of the antennæ with short hairs. Thorax rather flat, with short hairs; the bristles short, and not extending beyond the middle. Abdomen bare; incisures without bristles. Metatarsus not shortened. Wings tawny, with blackish brown tips and hind borders. *Male.*—Sexualia small, simple. *Fem.*—Oviduct obconical, acuminated.

66. ASILUS BARBARUS.

Ferrugineus; abdomen atrum, punctis lateralibus albis; femora nigra; alæ flavæ, margine postico fusco maculato; halteres fuscæ.

Asilus barbarus, *Linn. Syst. Nat.* 1007, 3. *Meig. Klass.* 245, 2; *Zweifl.* ii. 308, 3. *Macq. Hist. Nat. Dipt.* i. 303, 1. *Expl. Sci. Alg.* iii. *Ins.* 439, 70. *Loew, Linn. Ent.* iv. 132, 65.

South Europe. North Africa.

67. ASILUS CRABRONIFORMIS.

Abdomen antice atrum postice flavum.

Asilus crabroniformis, *Linn.*; *Oken, Lehrb. Naturgesch.* iii. 488. *Dum. Cons. Gén. Ins.* pl. 46, f. 10. *Macq. Hist. Nat. Dipt.* i. 303; *Expl. Sci. Alg.* iii. *Ins.* 439, 71, pl. 2, f. 8. *Dahlb. Skand. Ins.* 308, 208. *Zeller, Isis*, 1840, 48, 1. *Zett. Dipt. Scand.* i. 165, 1.

Europe and a great part of Asia. Australia.

a.—c. England. From Mr. Stephens' collection.

Group 12. RHADIURGUS.

Corpus mediocre, cinereo-nigrum. Facies nigra, nitida, apud oculos alba. Abdomen nudum; incisuræ setis nullis. *Mas.*—Sexualia mediocria; forceps marginæ postico valde inciso; penis acumedio præ cæteris elongato. *Fæm.*—Abdomen præsertim planum. Oviductus brevis, obtuse obconicum, subtus compressum.

Rhadiurgus, *Loew, Linn. Ent.* iv. 133.

Body grayish black, of moderate size. Face black, shining

white about the eyes. Abdomen bare, without bristles. *Male*.—Sexualia of moderate size; forceps with the hind border deeply indented. *Fem*.—Abdomen more flat than that of the male. Oviduct short, obtusely obconical, somewhat compressed beneath.

68. ASILUS VARIABILIS.

Mas et fœm. *Obscure cinereus; barba faciei latioris ad maximam partem in mari alba in fœm. nigra, menti nivea; macula sub antennis subquadrata nigra nitidissima; thoracis vitta media subgemina et abdomen nigricantia, incisuris albescentibus; pedes nigri, tibiis posticis metatarsisque omnibus ferrugineis, femoribus anticis subtus albo pilosis; alæ subhyalinæ.*

Asilus variabilis, Zett. *Ins. Lapp.* 506, 4; *Dipt. Scand.* i. 169, 5. *Loew, Linn. Ent.* iv. 133, 68.

North Europe.

Group 13. PAMPONERUS.

Corpus nigro-cinereum, sat magnum. Faciei pars convexa præ cæteris magna. Mystax fere ad antennis ascendens. Thorax tenuiter et breviter hirtus, breviterque setosus. Abdomen pilosum; incisuræ setis longioribus. Femora anteriora dense setosa. Alæ coloratæ. Mas.—Sexualia mediocria; forceps margine postico valde inciso. *Fœm.*—Oviductus brevis, obtuse obconicus.

Pamponerus, *Loew, Linn. Ent.* iv. 135.

Body blackish gray, of rather large size. Convex part of the face unusually large. Mystax ascending nearly to the antennæ. Thorax with fine and short hairs, and with short stout bristles. Abdomen hairy; incisures with bristles, which are longer than the hairs. Legs black; tibiæ tawny; anterior femora thickly beset with bristles. Wings highly coloured. *Male*.—Sexualia of moderate size; forceps with the hind border deeply notched. *Fem*.—Oviduct short, obtusely obconical.

69. ASILUS GERMANICUS.

Cinereus; mystax supra niger, subtus fulvus; barba fulva; thorax nigro vittatus; abdomen nigrum; tibiæ tarsique fulva; alæ costa ferruginea, maris fusæ basi albæ.

Asilus germanicus, *Linn. Oken, Lehrb. Naturgesch.* iii. 488. *Zeller, Isis*, 1840, 52, 6. *Zett. Dipt. Scand.* i. 166, 2. *Loew, Linn. Ent.* iv. 135, 69.

North and Middle Europe.

a, b. England. From Mr. Stephens' collection.

Group 14. ANTIPALUS.

Corpus obscure cinereum, sat magnum. Faciei pars convexa magna. Mystax dense setosus. Abdomen apud incisuras tenuiter setosum. Pedes nigri, setosi; tibiæ fulvæ. Alæ apice margineque postico fusco-cinereis. *Mas.*—Sexualia medioeria; forceps margine postico tenuiter inciso. *Fæm.*—Oviductus niger nitens, valde incrassatus et clavatus.

Antipalus, *Loew, Linn. Ent. iv. 136.*

Body rather large, dull gray. Convex part of the face large. Mystax thickly beset with bristles. Abdomen with slender bristles about the incisures. Legs black, setose; tibiæ tawny. Wings brownish gray at the tips and along the hind borders. *Male.*—Sexualia of moderate size; forceps slightly notched on the hind border. *Fem.*—Oviduct black, shining, clavate and much incrassated.

70. ASILUS VARIPES.

Cinereus; facies albida; mystax supra niger, subtus albus; barba alba; thorax ritta nigra; abdomen nigrum, incisuris albis; pedes nigri, tibiis et metatarsis fulvis; alæ apice subcinereæ; halteres fulvi. Mas.—Femora antica absque setis. Fæm.—Femora antica basi parum setosa.

Asilus varipes, *Meig. Zweifl. ii. 328, 33. Zeller, Ent. Zeit. viii. 280, 1. Loew, Linn. Ent. iv. 136, 70.*

Asilus macrurus, *Ruthe, Isis, 1831, 1221; Loew, Ent. Zeit. viii. 49.*

Asilus xanthopygus, *Ruthe, Isis, 1831, 1220.*

Asilus tenax, *Zeller, Isis, 1840, 52, 5.*

Asilus aurifluus, *Zeller, Isis, 1840, 51, 4.*

Middle Europe.

71. ASILUS TRUNCATUS.

Femora antica in utroque sexu multisetosa.

Asilus truncatus, *Loew, Linn. Ent. iv. 139, 71.*

Ephesus, and about the Meander, Asia Minor.

Group 15. ECHTHISTUS.

Corpus cinereo-flavescens, magnum. Facies lata; pars convexa magna. Mystax densus. Femora anteriora dense spinosa; metatarsi anteriores brevissimi, articulo 2o vix longiores. *Mas.*—

Forceps analis mediocris, margine postico inciso. *Fæm.*—Oviductus obconicus.

Echthistus, Loew, *Linn. Ent.* iv. 142.

Grayish yellow species of rather large size. Face broad; the convex part large. *Mystax* thick. Anterior femora thickly spinose; anterior metatarsi very short, but little longer than the second joint, a character peculiar to this group. *Male.*—Anal forceps of moderate size; hind border notched. *Fem.*—Oviduct obconical.

72. ASILUS RUFINERVIS.

Fulvescens; facies ferruginea; *mystax supra niger, subtus albus*; barba alba; thorax fusco trivittatus; abdomen maculis dorsalibus fuscis; setæ thoracis abdominisque minus validæ; pedes fulvi, femoribus nigris; alæ antice flavescentes, venis fulvescentibus; halteres flavi.

Asilus rufinervis, Hoffm.; Meig. *Zweifl.* ii. 324, 27, ex parte. Ruthe, *Isis*, 1831, 1219. Zeller, *Isis*, 1840, 49, 2. Loew, *Isis*, 1840, 538, 2.

Asilus flavescens? Macq *Hist. Nat. Dipt.* i. 305, 8.

Middle Europe.

73. ASILUS COGNATUS.

Setæ thoracis abdominisque validiores; tibiæ rufæ, apice nigræ; tarsi nigricantes, basi magis minusve rufescentes.

Asilus rufinervis, Meig. *Zweifl.* ii. 324, 27, ex parte.

Asilus cognatus, Loew, *Linn. Ent.* iv. 143, 73.

South Russia. Isles of Greece, Asia Minor.

Group 16. PHILONICUS.

Corpus mediocre, cinereum, fere nudum. Faciei pars convexa parva. *Mystax* parvus. Metatarsi non abbreviati. *Mas.*—Forceps analis vix mediæ magnitudinis, margine postico arcuatim inciso. *Fæm.*—Oviductus obconicus, apice spinosus.

Philonicus, Loew, *Linn. Ent.* iv. 144.

Allied to *Proctacanthus*. Body gray, almost bare, of moderate size. Face with the convex part small. *Mystax* with but few bristles. Metatarsi not short. *Male.*—Anal forceps rather less than the middle size, with a concave notch on the hind border. *Fem.*—Oviduct obconical; its tip armed with short spines.

74. ASILUS ALBICEPS.

Fusco-cinereus; *facies et mystax alba, hic supra niger*; *thorax nigro pilosus, fusco vittatus*; *abdomen supra fuscum, incisuris pallidis*; *pedes nigricantes*; *alæ fuscæscentes*; *halteres flavi*.

Asilus albiceps, Meig. Loew, Linn. Ent. iv. 145, 72.

Asilus nudus, Loew, Isis, 1840, 542, 9, 548.

Europe.

a. England. From Mr. Stephens' collection.

Var. *Cinereus*; *facies albo sericea*; *mystax flavido-albus*; *barba alba*; *thorax trivittatus, vitta intermedia gemina*; *abdomen fasciatum*; *alæ cinerascetes*; *halteres flavi*.

Asilus canescens, Hoffm.; Meig. Zweifl. ii. 336, 47.

Portugal.

Var. *Mas et fœm. Cinerascens*; *faciei cana barba supra paucissime nigra, infra mentique alba*; *thoracis vittæ, anus pedesque obscure cinerea*; *femora graciliora, antica subtus una serie parce albo pilosa*; *alæ subhyalinæ*; *halteres flavo-albi*.

Asilus albibarbus, Zell. Asil. in Isis, 1840, 66, 18. Zett. Dipt. Scand. i. 172, 7.

Europe and South Russia.

Group ?

- A. *Mystax fere niger.* - - - - - *tenuis, Macq.*
 B. *Mystax niger, subtus flavus aut fulvus.*
 A. *Pedes toti nigri.*
 A. *Alæ obscure flavæ.* - - - - - *melanotrichus, Brullé.*
 B. *Alæ cineræ.* - - - - - *melampodius, Zett.*
 C. *Alæ subcineræ, vitta hyalina.* - - - - - *forcipatus, Linn.*
 D. *Alæ limpidæ.* - - - - - *tessellatus, Brullé.*
 B. *Pedes fuscæ.* - - - - - - *varius, Gürtl.*
 C. *Pedes piceæ.*
 A. *Alæ hyalinæ.* - - - - - *picipes, Meig.*
 B. *Alæ fuscæ.* - - - - - *fuscipennis, Meig.*
 C. *Mystax niger, subtus setis paucis albis.* - - - - - *nigripes, Macq.*
 D. *Mystax niger, subtus albus.*
 A. *Thorax fusco vittatus.*

- A. Thorax cinereus. - - - - - pilipes, *Meig.*
 B. Thorax fulvescens. - - - - - marginatus, *Meg.*
 B. Thorax nigro vittatus.
 A. Abdominis incisuræ albæ. - - - - - parvulus, *Meig.*
 B. Abdominis incisuræ non albæ. - - - - - intermedius, *Holm.*
 E. *Mystax* albidus, supra niger.
 A. Tibiæ anticæ annulatæ. - - - - - annulatus, *Macq.*
 B. Tibiæ anticæ non annulatæ.
 A. Corpus cinereo-flavescentis. - - - - - flavescens, *Macq.*
 B. Corpus nigricans. - - - - - pumilus, *Macq.*
 F. *Mystax* albo-canescens, margine nigro. - - - - - hispidus, *Zell.*
 G. *Mystax* flavo-albus, margine nigro. - - - - - naxius, *Macq.*
 H. *Mystax* albo-nigroque varius. - - - - - micans, *Meig.*
 I. *Mystax* albus, setis perpaucis nigris. - - - - - gracilipes, *Meg.*
 J. *Mystax* albus vel albidus.
 A. Pedes nigricantes. - - - - - fimbriatus, *Meig.*
 B. Pedes nigri; tibiæ fulvo annulatæ.
 A. Alæ flavescentes. - - - - - annulipes, *Brullé.*
 B. Alæ limpidæ. - - - - - cinerarius, *Pallas.*
 C. Pedes nigri; tibiæ rufæ. - - - - - tibialis, *Gimm.*
 D. Pedes testacei, nigro striati. - - - - - callosus, *Pallas.*
 K. *Mystax* flavo-albus. - - - - - Siculus, *Macq.*
 L. *Mystax* flavicans, setis nonnullis nigris. - - - - - decipiens, *Hoffm.*
 M. *Mystax* flavicans aut ferrugineus. - - - - - tephreus, *Hoffm.*
 N. *Mystax* ———? - - - - - punctatus, *Macq.*

Some of the following *Asili* may be merely varieties.

75. ASILUS TENUIS.

Fœm. *Cinereus*; facies albicans; *mystax* nigricans, faciei dimidium non attingens; abdomen gracile, apice attenuatum, segmentorum marginibus pallidis; pedes nigri; tibiis fulvis apice nigris.

Asilus tenuis, *Macq. Hist. Nat. Dipt. i. 307, 16. Meig. Zweifl. vii. 75, 67.*

Sicily.

76. ASILUS MELANOTRICHUS.

Mas. *Niger*; *mystax* supra niger, subtus albo-flavicans; thoracis latera flavicante hirsuta; abdominis latera pilis flavescensibus instructa; alæ obscure flavæ.

Asilus melanotrichus, *Brullé, Exped. Scient. de Morée*, iii. 2, 296, 637.

Morea.

77. *ASILUS MELAMPODIUS*.

Mas et fœm. *Fusco-cinerascens*, *thorax vittis subtribus obscurioribus*; *mystax supra niger, infra fulvus*; *barba fulva vel flava*; *pedes nigri et toti nigro spinosi, femoribus anticis subtus albo villosis*; *alæ cinerascens, disco longitudinaliter hyalinæ*; *halteres flavi*.

Asilus melampodius, *Zell. Asil. in Isis*, 1840, 67, 19. *Zett. Dipt. Scand.* i. 173, 8.

Asilus forcipatus, var. major, *Fall. Asil.* 9, 5.

North Europe.

78. *ASILUS FORCIPATUS*.

Fulvo-cinereus; *facies fulva*; *mystax supra niger, subtus fulvus*; *barba fulva*; *thorax nigro vittatus*; *abdomen fusco micans*; *pedes nigri*; *alæ subcinereæ*; *halteres fulvi*.

Asilus forcipatus, *Linn. Oken, Lehrb. Naturg.* iii. 488.

Asilus furcipula? *Zeller*.

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

b, c. ———?

79. *ASILUS TESSELLATUS*.

Mas. *Niger*; *mystax niger, subtus flavescens*; *thoracis et abdominis latera aureo villosa*; *thorax vitta dorsali nigra gemina, pilis dorsi nigris*; *abdominis latera pilis longis flavescentibus, segmentorum margines postici aureo villosi*; *alæ limpidæ*.

Asilus tessellatus, *Brullé, Exped. Scient. de Morée*, iii. 2, 296, 636.

Morea.

80. *ASILUS VARIUS*.

Fulvescens; *facies flava*; *mystax supra niger, subtus flavus*; *barba alba*; *thorax fusco vittatus*; *abdomen fuscum, incisuris fulvescentibus*; *pedes et halteres fuscæ*; *alæ subcinereæ*.

Asilus varius, *Gürtl; Meig. Zweifl.* ii. 329, 34.

Austria.

81. ASILUS PICIPES.

Canescens; facies et barba pallidæ; mystax supra niger, subtus pallidus; thorax nigro vittatus, vitta intermedia duplicata; abdomen fuscum, incisuris albis; pedes piceï; alæ hyalinæ, apice et postice subcinereæ; halteres flavi.

Asilus picipes, Meig. Zweifl. ii. 338, 51.

Asilus furcipula? Zeller.

Austria.

82. ASILUS FUSCIPENNIS.

Cinereus; facies et barba flavo-canescens; mystax supra niger, subtus pallidus; thorax fusco vittatus; abdomen fasciis fuscis micantibus; pedes piceï; alæ cinereo-fuscæ, basi costæque dimidio basali flavescens; halteres flavi.

Asilus fuscipennis, Meig.

Middle and South Europe. Asia Minor.

83. ASILUS NIGRIPES.

Cinereus; facies alba; mystax niger, setis subtus paucis albis; pedes nigri, tibiis metatarsisque posticis intus rufo hirtis; alæ apice fuscescentes.

Asilus nigripes, Macq. Dipt. du Nord, 34, 15. Meig. Zweifl. viii. 75, 70.

North France.

84. ASILUS PILIPES.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax fusco vittatus, vitta intermedia gemina; abdomen cinereum, fusco fasciatum; pedes subcinerei; alæ pallide subcinereo-fuscescentes; halteres sordide flavi.

Asilus pilipes, Meig. Zweifl. ii. 320, 21.

South France.

85. ASILUS MARGINATUS.

Fulvescens; facies sordide alba; mystax supra niger; subtus albus; barba alba; thorax fusco vittatus; abdomen cinereum, incisuris nigro-fuscis; pedes fusci; alæ apice fusco-cinereæ; halteres fusci.

Asilus marginatus, Megerle; Meig. Zweifl. ii. 331, 39.

Austria.

86. ASILUS PARVULUS.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax nigro vittatus, vitta intermedia gemina; abdomen nigrum, incisuris albis; pedes fusci; alæ apice subcinereæ; halteres flavescentes.

Asilus parvulus, Meig. Zweifl. ii. 541, 56.

Germany.

Var.? *Cinereus; facies albida; mystax niger, interne albidus; abdomen nigrum; pedes nigri, tibiis anticis intus rufo hirtis*

Asilus nigricans, Macq. Hist. Nat. Dipt. i. 309, 25. Meig. Zweifl. vii. 75, 67.

South France.

87. ASILUS INTERMEDIUS.

Obscure cinerascens; mystax supra niger, subtus albus; barba alba; thorax vittis subtribus nigris, media gemina; pedes nigri et nigro spinosi, femoribus anticis albido-nigroque villosis; alæ hyalinæ, apice infuscatæ; halteres fusco-albidi. Mas.—Forceps analis horizontalis, subrectus, æqualis (nec dentatus) apice obtusus, totus niger nitidus, absque appendice subano. Fœm.—Segmentum ultimum duplo longius, compressum, lateraliter triangulare acutum, totum atrum nitidum.

Asilus intermedius, Holmgren, MSS.; Zett. Dipt. Scand. xi. 4262.

Sweden.

88. ASILUS ANNULATUS.

Cinereus; facies albida; mystax supra niger, subtus albus; tibiae anteriores rufo nigroque annulatæ.

Asilus annulatus, Macq. Dipt. du Nord. 36, 16. Meig. Zweifl. vii. 76, 71.

France.

89. ASILUS FLAVESCENS.

Flavido-cinereus; mystax supra niger, subtus albus; pedes rufi, femoribus nigris; alæ subcinereæ.

Asilus flavescens, Macq. Hist. Nat. Dipt. i. 74, 65. Meig. Zweifl. vii. 74, 65.

South France.

90. ASILUS PUMILUS.

Nigricans; mystax albidus, setis supra paucis nigris; metatarsi postici tibiæque flava.

Asilus pumilus, Macq. Hist. Nat. Dipt. i. 74, 66 Meig. Zweifl. vii. 74, 66.

France.

91. ASILUS HISPIDUS.

Mas. et fœm. Obscure cinerascens; mystax cano-albus, margine nigro, barba alba; thorax vitta laterali glaucescente tribusque dorsalibus nigricantibus; pedes nigri albo spinosi, femoribus anticis subtus nigro setosis; abdomen breve, incisuris albidis longe albo ciliatis; alæ subhyalinæ.

Asilus hispidus, Zell. Asil. in Isis, 1840, 71, 22; Zett. Dipt. Scand. i. 176, 10.

Asilus trigonus? Meig. Dipt. ii. 322, 23. Macq. Expl. Sci. Alg. iii. Ins. 441, 76.

Europe. North Africa?

92. ASILUS NAXIUS.

Ater; abdominis incisuræ albidæ; pedes rufi, femoribus externe nigris; ulæ flavescens, apice subfusæ.

Asilus naxius, Macq. Dipt. Exot. i. 2, 135, 1.

Naxos. Scio.

93. ASILUS MICANS.

Cinereus; facies et barba albæ; mystax albo nigroque varius; thorax vitta sinuata nigra; abdomen fusco micans, trifariam nigro maculatum; tibiæ et metatarsi fulva; alæ fere limpide, apice subcinereæ; halteres fuscæ.

Asilus micans, Meig. Zweifl. ii. 319, 19.

Germany.

94. ASILUS GRACILIPES.

*Fusco-cinerascens; facies flavido-alba; mystax albus, setis perpau-
cis nigris; barba alba; thorax vittis fuscis, internedia
gemina; abdomen incisuris flavis; alæ subcinereæ; halteres
flavi.*

Asilus gracilipes, Megerle; Meig. Zweifl. ii. 330, 36.

Austria.

95. ASILUS FIMBRIATUS.

Cinereus; *facies, mystax et barba alba*; *thorax nigro vittatus, vitta intermedia duplicata*; *abdomen nigro-fuscum, incisuris pallidis*; *pedes nigricantes*; *alæ subhyalinæ*; *halteres flavo-fuscescentes*.

Asilus fimbriatus, Meig.

Europe.

96. ASILUS ANNULIPES.

Mas. et fœm. *Ater*; *mystax flavido-albus*; *thorax vittis tribus subaureis*; *tibiæ basi annulo ferrugineo*; *alæ pallide flavescentes*. Mas.—*Abdomen lepide aureo villosum*. Fœm.—*Abdomen fere nudum*.

Asilus annulipes, Brullé, Exped. Scient. de Morée, iii. 2, 295, 634, pl. 46, f. 6. Allied to *A. cinerarius, Meig.*

Calamata, Morea.

97. ASILUS CINERARIUS.

Cinereus; *mystax albidus*; *barba alba*; *pedes nigri, tibiis fulvo annulatis*; *alæ limpidæ*; *halteres pallidi*.

Asilus cinerarius, Pallas; Wied.

South Russia.

98. ASILUS TIBIALIS.

Niger, cinereo pilosus; *mystax canus*; *tibiæ rufæ*; *alæ fere limpidæ*.

Asilus tibialis, Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, 3, 162, 5.

South Russia?

99. ASILUS CALLOSUS.

Cinereus; *barba alba*; *thorax callis duobus anticis fulvis*; *pedes testacei, nigro striati*; *alæ hyalinæ*; *halteres pallidi*.

Asilus callosus, Pallas; Wied. Zool. Mag. i. 2, 30. Meig. Zweifl. ii. 333, 42.

South Russia.

100. ASILUS SICULUS.

Ferrugineus, lateribus cinereis; *mystax albidus*; *pedes fulvi*; *alæ flavicantes*.

Asilus Siculus, Macq. Hist. Nat. Dipt. i. 303, 3. Meig. Zweifl. vii. 74, 64.

Sicily.

101. ASILUS DECIPIENS.

Cinereus; facies et barba albæ; mystax flavicans, setis nonnullis nigris; thorax nigro-fusco trivittatus; abdomen albo fasciatum; pedes nigri, femoribus apice supra badiis; alæ limpida vix flavescens; halteres ferruginei.

Asilus decipiens, Hoffm.; Meig. Zweifl. ii. 334, 44.

Portugal.

102. ASILUS TEPHRÆUS.

Cinereus; facies orichalcea; mystax et barba flavicantia; thoracis vitta media lateralibus multo distinctior; pedes fulvi, nigro varii; alæ limpida, apice subcinereæ; halteres flavi.

Asilus tephraeus, Hoffm.; Meig. Zweifl. ii. 334, 45.

Portugal.

103. ASILUS PUNCTATUS.

Mas. Abdomen cinereum, nigro micans, segmentis quatuor anticis punctis duobus cinereis.

Asilus punctatus, Macq. Hist. Nat. Dipt. i. 308, 24. Meig. Zweifl. vii. 75, 69.

France.

North America.

- A. *Mystax niger*, cinereo mixtus. - - - tibialis, Macq.
 B. *Mystax niger*, subtus flavus.
 A. Abdomen basi cano hirtum. - - - Sadyates, Walk.
 B. Abdomen basi flavo hirtum. - - - Alethes, Walk.
 C. *Mystax niger*, subtus albus.
 A. Tibiæ cinctæ.
 A. Thorax cinereus. - - - annulipes, Macq.
 B. Thorax flavo-fuscus. - - - Paropus, Walk.
 B. Tibiæ non cinctæ.
 A. Thorax cinereus, vitta nigricante. - Novæ Scotiæ, Macq.
 B. Thorax fuscus, fulvo trivittatus. - - Lecythus, Walk.
 D. *Mystax flavido-cinereus*. - - - interruptus, Macq.
 F. *Mystax fulvus*. - - - sericeus, Say.
 G. *Mystax flavus* aut flavescens aut flavo-albus.
 A. Antennæ nigræ.
 A. Alæ apice cinereæ aut subfuscæ.
 a. Abdomen albo fasciatum. - - - notatus, Wied.
 b. Abdomen albo non fasciatum. - Antimachus, Walk.

- B. Alæ totæ limpidæ. - - - - Orphne, *Walk.*
 B. Antennæ basi pallidæ.
 A. Femora anteriora nigra. - - - - ultimus, *Walk.*
 B. Femora anteriora nigro vittata. - - Herminius, *Walk.*
 C. Pedes mellei. - - - - gracilis, *Wied.*
 H. *Mystax* albus aut albidus. - - - - femoralis, *Macq.*

Group 1.

Corpus minor, cinereum, parce setosum, vix hirtum. Facies apud epistoma convexa. *Mystax* dense setosus. Proboscis gracilis, linearis. Antennarum articulus 3us lanceolatus, 1o paullo longior; arista 3o brevior. Abdomen gracile, thorace duplo longius. Pedes sat validi, spinosi, parce hirti. *Mas.*—Sexualia parva. *Fæm.*—Abdomen compressum, apicem versus attenuatum et lanceolatum.

Radial vein curved at its tip. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins almost straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal very near the border.

Asilus Sadyates, Walk.; *A. Alethes, Walk.*; *A. Lecythus, Walk.*

Group 2.

Fæm. Corpus ferrugineum, fere nudum. Facies plana. *Mystax* sat dense setosus. Proboscis valida, lanceolata. Thoracis latera parce setosa. Abdomen longum, sublineare, apicem versus oblanceolatum, thorace triplo longius, alas longe superans. Pedes longiusculi, sat graciles, parce spinosi, non pilosi.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight. First externo-medial curved at its base; second straight; third hardly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth wing far from the border. Subanal joining the anal on the border.

Asilus Herminius, Walk.

104. ASILUS TIBIALIS.

Fæm.—*Cinereus*; *mystax niger, cinereo mixtus*; *antennæ nigrae*; *thorax vittis nigris*; *abdomen cinereo-nigrum*; *pedes nigri, tibiis testaceis apice nigris*; *alæ fuscescentes.*

Asilus tibialis, Macq. Hist. Nat. Dipt. i. 313, 38.

Philadelphia.

105. ASILUS SADYATES.

Asilus Sadyates, *Cat. of Diptera*, Pt. 2, 453.

Ohio.

106. ASILUS ALETHES.

Asilus Alethes, *Cat. of Diptera*, Pt. 2, 454.

a. New York. Presented by the Entomological Club.

107. ASILUS ANNULIPES.

Fœm. *Cinereus*; *abdomen fuscum, incisuris albidis*; *tibiæ flavæ, fusco-cinctæ*; *tarsi nigri, articulis basi metatarsoque fulvis*; *alæ hyalinæ, apice subcinereæ*.

Asilus annulipes, *Macq. Dipt. Exot.* i. 2, 149, 36.

Carolina.

108. ASILUS PAROPUS.

Asilus Paropus, *Cat. of Diptera*, Pt. 2, 455.

New York.

109. ASILUS NOVÆ SCOTIÆ.

Mas. *Cinereus*; *thorax vitta recta nigricante*; *abdomen nigrum fusco micans, incisuris albis*; *pedes nigri, tibiis metatarsisque fulvis*; *alæ hyalinæ, apice maculisque posticis cinereis*.

Asilus Novæ Scotiæ, *Macq. Dipt. Exot. Suppl.* 2, 46, 62.

Nova Scotia.

110. ASILUS LECYTHUS.

Asilus Lecythus, *Cat. of Diptera*, Pt. 2, 451.

Var.? *Asilus Agrius*, *Cat. of Diptera*, Pt. 2, 452.

Nova Scotia.

111. ASILUS INTERRUPTUS.

Fœm. *Cinereus*; *mystax flavido-cinereus*; *antennæ nigre, articulo 1o rufescente*; *thorax vittis fuscis lineaque intermedia albida*; *abdomen nigrum, segmentis 2o et 3o fasciis interruptis cinereis, 6o et 7o cinereis vitta dorsali nigra*; *femora, tibiæ et metatarsi antici rufo subvaria*; *alæ subfuscescentes*.

Asilus interruptus, *Macq. Hist. Nat. Dipt.* i. 310, 29.

Georgia.

112. ASILUS SERICEUS.

Fœm. *Aurato-fuscus*; *mystax fulvus*; *antennæ fuscae*; *thorax vitta latissima nigro-fusca*; *pedes fuscis, tibiis flavis*; *alæ flavæ, margine interno apiceque fuscis, limbo venarum solo flavo.*

Asilus sericeus, *Say, Journ. Acad. Philad.* iii. 48, 2. *Wied. Auss. Zweifl.* i. 429, 8.

Pennsylvania.

113. ASILUS NOTATUS.

Mas. *Niger*; *mystax flavo-albus*; *thorax cinerascens, vittis nigris*; *tibiæ basi melleæ*; *alæ limpidae, apice cinereæ.*

Asilus notatus, *Wied. Auss. Zweifl.* i. 451, 40.

United States.

114. ASILUS ANTIMACHUS.

Asilus Antimachus, *Cat. of Diptera*, Pt. 2, 454.

Trenton Falls.

115. ASILUS ORPHNE.

Asilus Orphne, *Cat. of Diptera*, Pt. 2, 456.

New York.

116. ASILUS ULTIMUS.

Asilus ultimus, *Diptera Saundersiana*, Pt. 2, 136.

North America.

117. ASILUS HERMINIUS.

Asilus Herminius, *Cat. of Diptera*, Pt. 2, 410.

This may be the same as *A. sericeus*, but differs from Say's description of that species.

Massachusetts.

118. ASILUS GRACILIS.

Mas. *Cinereus*; *mystax flavescens*; *antennæ pedesque melleæ*; *thorax non vittatus*; *abdomen nigricans, cinereo hirtum*; *alæ breves, subflavescentes, apice margineque fuscis.*

Asilus gracilis, *Wied. Auss. Zweifl.* i. 445, 31.

United States.

119. ASILUS FEMORALIS.

Fœm. *Mystax albidus*; *thorax fulvidus, vittis fuscis*; *abdomen fuscum, incisuris flavidis*; *pedes fulvi, femoribus supra nigris*; *alæ hyalinæ, apice subfuscæ.*

Asilus femoribus, Macq. Dipt. Exot. Suppl. 2, 45, 61.

Philadelphia.

Mexico.

120. ASILUS MEXICANUS.

Mas. *Niger*; *mystax subtus barbaque alba*; *pedes anteriores fulvi*; *alæ subcinereæ.*

Asilus mexicanus, Macq. Dipt. Exot. Suppl. 1, 94, 55.

Mexico.

West Indies.

121. ASILUS PLINTHOPYGUS.

Mas. *Fuscus*; *antennæ nigræ*; *mystax albus*; *abdomen basi nigrum, apice testaceum*; *pedes nigri*; *alæ subflavescentes.*

Asilus plinthopygus, Wied. Dipt. Exot. i. 184, 4; Auss. Zweifl. i. 432, 11.

Cuba.

122. ASILUS ATRIPES.

Fœm. *Flavo-cinereascens*; *mystax albidus*; *antennæ nigræ*; *thorax vittis nigris, exterioribus valde interruptis*; *abdomen fuscum, incisuris albidis*; *pedes nigri, tibiis obscure fuscis.*

Dasypogon atripes, Fabr. Syst. Antl. 170, 29.

Asilus atripes, Wied. Dipt. Exot. i. 195, 24; Auss. Zweifl. i. 455, 46.

West Indies.

South America.

- | | | | | | |
|---------------------------|---|---|---|---|-----------------------|
| A. Corpus ænescens. | - | - | - | - | Americanus, Macq. |
| B. Abdomen chalybeum. | - | - | - | - | - |
| A. Alæ chalybeæ. | - | - | - | - | iopterus, Wied. |
| B. Alæ non chalybeæ. | - | - | - | - | cæruleiventris, Macq. |
| C. Abdomen non chalybeum. | - | - | - | - | - |
| A. Alæ nigro-violacæ. | - | - | - | - | abdominalis, Wied. |

B. Alæ violaceo-fuscæ. - - - - luctuosus, *Macq.*

C. Alæ non violaceæ.

A. *Mystax niger.*

a. Antennarum articulus 3us non compressus,

i. Alæ fuscæ. - - - - *Gerion, Walk.*

ii. Alæ flavescentes aut subfulvæ. - auribarbis, *Hoffm.*

b. Antennarum articulus 3us compressus.

himantocerus, *Wied.*

B. *Mystax supra plus minusve niger, subtus plus minusve pallidus.*

a. *Pedes nigri.*

i. *Mystax niger, setis subtus nonnullis albis.*

* Alæ flavescentes.

† Alæ apice pallidæ. - - - - *nigrinus, Macq.*

†† Alæ apice fuscescentes. - *albipilosus, Macq.*

** Alæ sublimpidæ, fusco lineatæ, apice subcinereæ.

Tatius, Walk.

ii. *Mystax flavus aut albus, setis supra nonnullis nigris.*

* Corpus cyaneo-nigrum. - - - - *Herdonius, Walk.*

** Corpus nigro-fuscum. - - - - *Gamaxus, Walk.*

iii. *Mystax supra niger, subtus flavus.* *Lycorius, Walk.*

b. *Pedes ex parte pallidi.*

i. *Tibiæ posticæ albidæ.* - - - - *barbatus, Fabr.*

ii. *Tibiæ posticæ non albidæ.*

* *Femora nigra.*

† *Tibiæ nigra.*

‡ *Tibiæ basi fulvæ.* - - - - *Eupator, Walk.*

‡‡ *Tibiæ apice subtus fulvæ.* - *Gavius, Walk.*

†† *Tibiæ pallidæ.*

‡ Alæ fuscescentes. - *Servillei, Macq.*

‡‡ Alæ subflavescentes. - - *Lebasii, Macq.*

‡‡‡ Alæ subhyalinæ, apice cinereæ.

consanguineus, Macq.

‡‡‡‡ Alæ hyalinæ, apice subfuscæ. *Gayi, Macq.*

‡‡‡‡ Alæ limpidæ, areolæ apicales et posticæ discis cinereis. - - *Antiphus, Walk.*

‡‡‡‡‡ Alæ subcinereæ. - - - *hebes, Walk.*

** *Pedes rufi, nigro-vittati.* - - *Baletus, Walk.*

*** *Pedes castanei.* - - - *rufipalpis, Macq.*

**** *Pedes pallidi.*

† *Thorax nigro vittatus.* - - *Ctesicles, Walk.*

†† *Thorax fusco vittatus.*

‡ *Abdomen rufum.* - - *rufinus, Wied.*

- ‡‡ Abdomen fulvum, basi piceum, apice nigrum. - - - - Leonides, *Walk.*
- c. *Mystax totus pallidus.*
- a. *Pedes nigri.*
- i. *Alæ subflavescentes, apice infumatæ.*
carbonarius, *Wied.*
- ii. *Alæ flavescentes.* - - - macularis, *Wied.*
- iii. *Alæ sublimpidæ, apice cinereæ.* *Therimachus, Walk.*
- b. *Pedes nigri, tibiis fulvis.* - - longiusculus, *Walk.*
- c. *Femora supra nigra.*
- i. *Alæ flavescentes.* - - - clavatus, *Macq.*
- ii. *Alæ limpidæ, apice cinereæ.* - - tenuis, *Wied.*
- d. *Femora nigro vittata.*
- i. *Thorax cinereus, nigro vittatus.* - mellipes, *Wied.*
- ii. *Thorax fuscus, fulvo vittatus.* - - Mucius, *Walk.*
- e. *Femora apice nigra.*
- i. *Alæ subflavescentes.* - - - Hilarii, *Macq.*
- ii. *Alæ subcinereæ.* - - - 6-maculatus, *Walk.*
- f. *Femora apice fusca.* - - - lutipes, *Wied.*
- g. *Femora tota pallida.*
- i. *Alæ flavidæ, apice fuscæ.* - - Colombiæ, *Macq.*
- ii. *Alæ fulvæ.* - - - Calatinus, *Walk.*

Group 1.

Corpus mediocre, metallicum, hirtum. Caput subtile densissime pilosum. Facies plana. *Mystax* parvus, setis paucis. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera et scutellum setosa. Abdomen basi pilosum. Pedes hirti, vix spinosi; tarsi crassi, metatarsis subdilatatis; tibiæ anteriores ciliatæ. Alæ abdomen superans. *Mas.*—Abdomen sublineare. Sexualia minima. *Fem.*—Abdomen oblanceolatum, apice subcompressum.

Radial vein joining the subcostal at very far from the tip of the latter. Cubital forked at very little beyond half its length; forks straight, parallel, converging at their base, diverging at their tips. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth extremely far from the border. Subanal joining the anal far from the border.

Asilus iopterus, Wied.

Group 2.

Fæm. Corpus mediocre, gracile, fere nudum. Caput subtus sat dense pilosum. Facies apud epistoma convexa. Mystax sat dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o multo longior. Thoracis latera setis paucis. Abdomen oblanceolatum, alas vix superans, apice compressum nitens læve. Pedes sat graciles, breviter spinosi, parce pubescentes. Alæ longiusculæ.

Radial vein curved near its tip, joining the subcostal at a short distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly undulating, curved at its base; hind fork nearly straight. First and second externo-medial veins very slightly undulating; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus Gerion, *Walk.*

Group 3.

Mas. Corpus mediocre, dense hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, antennis attingens. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera et scutellum setosa. Abdomen pilis longis hirtum, abdomen non superans. Sexualia mediocria, hirta. Pedes robusti, hirti, setosi.

Radial vein slightly curved near its tip, joining the subcostal near the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins straight; third curved, forming a hardly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Antiphus, *Walk.*

Group 4.

Fæm. Corpus parvum, tomentosum, non pilosum. Caput subtus pilosum. Facies apud epistoma convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace duplo longius, alas vix superans, apice compresso lævi nitido. Pedes validi, parce spinosi, non hirti.

Cubital vein forked at much before half its length; fore fork hardly undulating; hind fork nearly straight. First and second externo-medial veins hardly curved; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus hebes, *Walk.*

Group 5.

Mas. Corpus mediocre, parce hirtum. Caput subtus dense pilosum. Facies parum convexa. Mystax raro setosus. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 2o paullo longior; arista 3o plus duplo longior. Thoracis latera parce setosa. Abdomen sublineare, thorace non duplo longius, alas non superans. Sexualia parva. Pedes robusti, parce spinosi, non hirti. Alæ latiusculæ.

Cubital vein forked beyond half its length; fore fork hardly undulating; hind fork almost straight. First and second externo-medial veins almost straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Baletus, *Walk.*

Group 6.

Mas. Corpus mediocre, parce hirtum. Caput subtus dense pilosum. Facies parum convexa. Mystax vix dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o triplo longior; 3us lanceolatus, 3o brevior; arista 3o fere duplo longior. Thoracis latera et scutellum setosa. Abdomen subcylindricum, thorace plus duplo longius, alas superans; latera basim versus pilosa. Sexualia parva. Pedes validi, parce spinosi, vix hirti.

Cubital vein forked at hardly before half its length; forks almost straight, with the exception of the obtuse angle by the base of the fore fork. First and second externo-medial veins very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus longiusculus, *Walk.*

Group 7.

Fem. Corpus parvum, gracile, nudum. Caput subtus parce pilosum. Facies plana. Mystax setis paucissimis. Proboscis

gracilis, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera setis paucissimis. Abdomen fere oblanceolatum, thorace plus duplo longius, alas non superans, apice compressum attenuatum acuminatum. Pedes graciles, nudi, spinis paucissimis.

Cubital vein forked at very much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third hardly curved, forming a very obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Asilus Mucius, *Walk.*

Group 8.

Fam. Corpus parvum, tomentosum, non hirtum. Caput subtus pilosum. Facies plana. Mystax parvus, setis perpaucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 3o fere triplo longior. Thoracis latera et scutellum setis paucis. Abdomen oblanceolatum, thorace duplo longius, alas vix superans, apice stylatum. Pedes validi, spinosi, non hirti.

Cubital vein forked at rather beyond its middle; fore fork slightly undulating; hind fork nearly straight. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus sexmaculatus, *Walk.*

Group 9.

Mas. Corpus mediocre, sat gracile, parce pubescens, non hirtum. Caput subtus sat dense pilosum. Facies plana, apud epistoma vix convexa. Mystax parvus, raro setosus. Proboscis gracilis, sublinearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o multo brevior; arista 3o plus duplo longior. Thoracis latera parce setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes validi, parce setosi, fere nudi.

Radial vein nearly straight, joining the subcostal near the tip of the latter. Cubital forked at a little beyond half its length; fore fork hardly curved, forming an obtuse angle at its base; hind fork very slightly curved hindward. First and second externo-medial veins nearly straight; third hardly curved, forming a slightly obtuse

angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very near the border.

Asilus Calatinus, *Walk.*

123. ASILUS AMERICANUS.

Fœm. *Ænescens*; *mystax flavus*; *pedes virides*, *tibiæ posticæ testacæ*; *alæ subcinereæ*.

Lophonotus Americanus, *Macq. Dipt. Exot. Suppl. 1, 87, 13.*

Brazil.

124. ASILUS IOPTERUS.

Fœm. *Niger*; *thorax albo lineatus*; *abdomen*, *pedes et alæ chalybea*; *abdomen basi albo hirtum*.

Asilus iopterus, *Wied.*

Brazil.

125. ASILUS CÆRULEIVENTRIS.

Mas. *Niger*; *mystax albus*; *thorax albido tomentosus*; *abdomen cæruleo-nigrum*; *alæ hyalinæ*, *costa et apice cinereis*.

Asilus cæruleiventris, *Macq. Dipt. Exot. Suppl. 1, 93, 52.*

Colombia.

126. ASILUS ABDOMINALIS.

Mas. *Fulvescens*; *antennæ nigræ*; *mystax albus*; *thorax nigro vittatus*; *abdomen album*; *pedes nigri*, *tibiis obscure rufescentibus*; *alæ nigro-violaceæ*.

Asilus abdominalis, *Wied. Dipt. Exot. i. 185, 5*; *Auss. Zweifl. i. 432, 12.*

South America.

127. ASILUS LUCTUOSUS.

Mas. *Ater*; *abdomen apice fuscum*; *tibiæ tarsisque anteriora testacea*, *hi intus nigri*; *alæ violaceo-fuscaæ*.

Asilus luctuosus, *Macq. Dipt. Exot. i. 2, 146, 28.*

Brazil.

128. ASILUS GERION.

Asilus Gerion, *Cat. of Diptera, Pt. 2, 433.*

Brazil.

129. ASILUS AURIBARBIS.

Mas. et fœm. *Niger; mystax niger; barba fulvida; thorax fulvus, nigro vittatus; abdomen incisuris albis; alæ flavescens; mas. tibiæ rufescentes.*

Asilus auribarbis, Hoffm.; Wied. Dipt. Exot. i. 186, 8; Auss. Zweifl. i. 437, 19.

Brazil.

130. ASILUS HIMANTOCERUS.

Fœm. *Fuscus; mystax niger; antennæ ochraceo-fuscae, articulo 3o nigro compresso elongato; thorax vittis tribus nigro-fuscis; abdomen nigro-fuscum, incisuris albis; pedes flavescens, fusco varii; alæ subflavescens, dimidio costali fusco.*

Asilus himantocerus, Wied. Auss. Zweifl. i. 447, 34.

Brazil.

131. ASILUS NIGRINUS.

Mas. *Ater, cinereo pubescens; thorax vittis nigris; abdomen incisuris albis; alæ flavescens hyaline.*

Asilus nigrinus, Macq. Dipt. Exot. Suppl. 3, 30, 64, pl. 3, f. 5.

Brazil.

132. ASILUS ALBIPILOSUS.

Mas. *Cinereus; mystax niger, subtus albus; thorax vittis fere contiguis nigris; abdomen nigrum, incisuris albidis; pedes nigri, albo hirti, tibiis anticis intus fulvo tomentosis; alæ subflavescens, apice margineque postico subflavescens.*

Asilus albipilosus, Macq. Dipt. Exot. Suppl. 1, 92, 51.

Brazil. Bogotà.

133. ASILUS TATIUS.

Asilus Tatus, Diptera Saundersiana, Pt. 2, 148.

Colombia.

134. ASILUS HERDONIUS.

Asilus Herdonius, Diptera Saundersiana, Pt. 2, 140.

South America.

135. ASILUS GAMAXUS.

Asilus Gamaxus, *Diptera Saundersiana*, Pt. 2, 142.
Colombia.

136. ASILUS LYCORIUS.

Asilus Lycorius, *Diptera Saundersiana*, Pt. 2, 143.
South America.

137. ASILUS BARBATUS.

Niger; thorax rubro vittatus; mystax, abdominis apex et tibiæ posticæ albida.

Asilus barbatus, *Fabr. Ent. Syst.* iv. 379, 12; *Syst. Antl.* 155, 7.
Wied. Dipt. Exot. i. 187, 9; *Auss. Zweifl.* i. 439, 22.
Brazil. Cayenne.

138. ASILUS EUPATOR.

Asilus Eupator, *Diptera Saundersiana*, Pt. 2, 147.
Brazil.

139. ASILUS GAVIUS.

Asilus Gavius, *Diptera Saundersiana*, Pt. 2, 151.
Brazil.

140. ASILUS SERVILLEI.

Mas. Niger; facies flava; mystax supra niger; thorax cinereo-fuscus, vittis nigris; tibiæ fulvæ, apice nigræ; alæ fuscæ, basi pallidiores.

Asilus Servillei, *Macq. Hist. Nat. Dipt.* i. 313, 37.
Brazil.

141. ASILUS LEBASII.

Fœm. Cinereus; thorax flavidus nigro vittatus; abdomen nigricans, tessellatum; pedes nigri, tibiis rufis, metatarsis rufescentibus; alæ subflavescentes, areolarum posticarum disci cinereis.

Asilus Lebasii, *Macq. Dipt. Exot.* i. 2, 148, 34; *Suppl.* 1, 93, 53.
Colombia.

142. ASILUS CONSANGUINEUS.

Fœm. *Niger*; *facies barbaque albæ*; *mystax subtus flavus*; *thorax cinereus, vittis nigris*; *abdomen cinereo tomentosum*; *tibiæ testaceæ*; *alæ subhyalinæ apice posticeque cinereæ*.

Asilus consanguineus, *Macq. Dipt. Exot. Suppl.* 1, 93, 54.

Cayenne.

143. ASILUS GAYI.

Fœm. *Cinereus*; *antennarum articulo 3us elongatus*; *abdomen vitta dorsali lata nigra, incisuris cinereis*; *pedes nigri, tibiis rufis apice nigris*; *alæ hyalinæ, apice subfuscæ*.

Asilus Gayi, *Macq. Dipt. Exot.* i. 2, 148, 35. *Blanch. Gay, Hist. Fis. Chile, Zool.* iii. 270, 1, pl. 2, f. 12.

Chili.

144. ASILUS ANTIPHUS.

Asilus Antiphus, *Cat. of Diptera*, Pt. 2, 443.

Brazil.

145. ASILUS HEBES.

Fœm. *Cinereus*; *caput et pectus cana*; *mystax parvus, setis supra nigris, subtus albidis*; *thorax vittis duabus dorsalibus maculisque sex lateralibus nigricantibus*; *abdominis segmenta maculis quadratis dorsalibus nigris*; *pedes obscure fulvi, femoribus nigris*; *alæ subcinereæ*.

Cinereous. Head and pectus hoary. *Mystax* with black bristles above and with whitish bristles beneath. Thorax with two dorsal blackish stripes, and on each side with three blackish spots. Abdominal segments with large subquadrate dorsal blackish spots, which diminish in size towards the base; tip black, shining. Legs reddish tawny; coxæ and femora black; tibiæ indistinctly marked with black. Wings grayish; veins black. Halteres testaceous. Length of the body $5\frac{1}{2}$ —6 lines; of the wings 9—10 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

146. ASILUS BALETUS.

Asilus Baletus, *Cat. of Diptera*, Pt. 2, 427.

Venezuela.

147. ASILUS RUFIPALPIS.

Fœm. *Ater*; *antennæ basi testaceæ*; *palpi rufi*; *abdomen cinereo pubescens*; *pedes castanei*; *alæ subcinereæ*.

Asilus rufipalpis, *Macq. Dipt. Exot. i. 2, 146, 29.*

Brazil.

148. ASILUS CTESICLES.

Asilus Ctesicles, *Diptera Saundersiana, Pt. 2, 149.*

South America.

149. ASILUS RUFINUS.

Mas. et fœm. *Rubidus*; *mystax flavido-albus*, *setis supra nonnullis nigris*; *thorax flavidus*, *fusco vittatus*; *alæ flavescentes*.

Asilus rufinus, *Wied. Zool. Mag. iii. 47, 8*; *Dipt. Exot. i. 189, 12*; *Auss. Zweifl. i. 441, 25.*

Brazil.

150. ASILUS LEONIDES.

Asilus Leonides, *Diptera Saundersiana, Pt. 2, 150.*

Rio Janeiro.

151. ASILUS CARBONARIUS.

Mas et fœm. *Anthracinus*; *mystax flavidus*, *nonnunquam albidus*; *thorax vittis et abdomen incisuris subcinereis*; *alæ subflavescentes*, *apice infumate*.

Asilus carbonarius, *Wied. Auss. Zweifl. i. 454, 44.*

Brazil.

152. ASILUS MACULARIS.

Mas et fœm. *Niger*; *mystax flavo-albus*; *thoracis latera helva*; *abdomen utrinque maculis niveis*; *alæ flavescentes*. Mas.—*Tibiæ flavido-fusce*.

Asilus macularis, *Wied. Dipt. Exot. i. 193, 19*; *Auss. Zweifl. i. 447, 33.* *Macq. Dipt. Exot. i. 2, 147, 32.*

Brazil.

153. ASILUS THERIMACHUS.

Asilus Therimachus, *Diptera Saundersiana, Pt. 2, 137.*

Brazil.

154. ASILUS LONGIUSCULUS.

Mas. *Cinereus*; *caput subtus et pectus albida, illum antice subauratum*; *mystax pallide flavus*; *thorax vittis tribus latissimis nigricantibus, lateralibus interruptis*; *abdominis dorsum nigricans, marginibus posticis cinereis, apice nigro nitido*; *pedes nigri, tibiis fulvis*; *alæ fuscae*; *halteres nigri*.

Cinereous. Head pale and slightly gilded in front, whitish and clothed with white hairs beneath. Thorax with three very broad blackish stripes; middle one subdivided; lateral pair obliquely interrupted. Abdomen blackish above; hind borders of the segments cinereous. Sexualia black, shining. Legs black; tibiæ tawny. Wings brown; veins and halteres black. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

155. ASILUS CLAVATUS.

Melleus; *antennæ nigrae, basi fulvae*; *palpi fulvi*; *pedes flavi, femoribus supra nigricantibus*; *alæ flavescentes*. Mas.—*Anus crassus, lamella cornea munitus*.

Asilus clavatus, Macq. Dipt. Exot. i. 2, 147, 30.

Brazil.

156. ASILUS TENUIS.

Mas. *Albidus*; *mystax albus*; *antennæ nigrae, articulo 3o basi flavescente*; *thorax nigro vittatus*; *abdomen parum nigellum*; *pedes lutei, femoribus supra nigris, posticis fascia apicali nigra*; *alæ limpidæ, apice et margine postico cinereis*.

Asilus tenuis, Wied. Auss. Zweifl. i. 448, 35.

Brazil.

157. ASILUS MELLIPES.

Mas. *Cinereus*; *mystax flavescens*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen fuscum, utrinque canescens*; *pedes flavi, tibiis posticis femoribusque nigro vittatis*; *alæ subflavescentes*.

Asilus mellipes, Wied. Auss. Zweifl. i. 452, 41.

Brazil.

158. ASILUS MUCIUS.

Asilus Mucius, *Cat. of Diptera*, Pt. 2, 463.

Monte Video.

159. ASILUS HILARII.

Ater; *barba alba*; *abdominis incisuræ albidæ*; *pedes mellei*,
femoribus tibiisque apice tarsisque nigris; *alæ subflavescentes*.

Asilus Hilarii, *Macq. Dipt. Exot.* i. 2, 147, 31.

Brazil.

160. ASILUS 6-MACULATUS.

Fœm. *Cunus*; *caput subtus albo pilosum*; *mystax setis paucis albidis*; *thorax vittis duabus dorsalibus maculisque sex lateralibus nigricantibus*; *abdomen pubescens*; *pedes fulvi*, *femoribus posterioribus apice nigricantibus*, *tarsis nigricantibus basi fulvis*; *alæ subcinereæ*.

Hoary. Head clothed beneath with white hairs. *Mystax* small, with whitish bristles. *Antennæ* black. *Thorax* with two dorsal blackish stripes, and on each side with three blackish spots. *Abdomen* slightly pubescent; tips black, shining. *Legs* tawny; hind tarsi, and tips of the posterior femora, of the hind tibiæ, and of the anterior tarsi, black. *Wings* slightly grayish; veins black. *Halteres* testaceous. Length of the body 5 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

161. ASILUS LUTIPES.

Fœm. *Cinereus*; *mystax albidus*; *antennæ luteæ*; *thorax vittis tribus fuscescentibus*; *abdomen glaucescens*; *pedes lutei*, *femoribus tibiisque posticis apice fuscis*; *alæ sublinpidæ*.

Asilus lutipes, *Wied. Auss. Zweifl.* i. 454, 45.

Brazil.

162. ASILUS COLOMBIÆ.

Fœm. *Ater*; *antennæ basi*, *pedes*, *abdominisque segmenta 2um et 3um apud margines posticos testaceæ*; *alæ flavidæ*, *apice fuscanæ*.

Asilus Colombiæ, *Macq. Dipt. Exot.* i. 2, 148, 33.

Colombia.

163. ASILUS CALATINUS.

Asilus Calatinus, *Cat. of Diptera*, Pt. 2, 436.

Brazil.

Canary Isles.

A. Alæ non flavescentes.

A. *Mystax niger*. - - - - - fuscus, *Macq.*

B. *Mystax albo-nigroque mixtus*. - fuscifemoratus, *Macq.*

C. *Mystax niger*, subtus parum albus. - nigrifemoratus, *Macq.*

D. *Mystax albus*, supra parum niger. - dimidiatus, *Macq.*

B. Alæ subflavescentes. - - - - - Saulcyi, *Macq.*

164. ASILUS FUSCUS.

Mas. Nigricans; facies nigra, cinereo micans; barba alba; mystax niger; thorax cinereus, nigro vittatus; abdomen nigrum, incisuris albis; pedes nigri, tibiis posticis intus rufo pubescentibus, metatarso testaceo; alæ obscuræ, disco subhyalinæ.

Asilus plebeius, var.?

Asilus fuscus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 139, 11.

165. ASILUS FUSCIFEMORATUS.

Mas. Cinereus; barba alba; mystax albo-nigroque mixtus; thorax fusco vittatus; abdomine nigrum, cinereo micans, incisuris albidis; pedes testacei, femoribus ante nigricantibus; alæ apice subobscuræ.

Asilus fuscifemoratus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 139, 10.

166. ASILUS NIGRIFEMORATUS.

Cinereus; facies barbaque albicantes; mystax niger, subtus parum albus; antennæ nigrae; thorax fusco vittatus; abdomen nigro micans, incisuris albis; pedes testacei, postici nigri; alæ apice subfusca.

Asilus nigrifemoratus, Macq. Hist. Nat. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 138, 9.

Asilus varipes, var.?

167. ASILUS DIMIDIATUS.

Mas. *Cinereus*; *barba alba*; *mystax albus*, *supra parum niger*; *thorax nigro vittatus*; *abdomen fusco micans*, *incisuris albidis*; *pedes rufi*; *femoribus apice nigris*, *tarsis nigris basi rufis*. Long. $4\frac{1}{2}$ lin.

Asilus dimidiatus, *Macq. Hist. des Iles Canaries, de Webb et Berthelot*; *Dipt. Exot.* i. 2, 140, 12.

Asilus striatus, *Meig., var.?*

168. ASILUS SAULEYI.

Fœm. *Ater*; *mystax abdominis incisuræ albæ*; *pedes rufi*, *femoribus nigris*; *alæ subflavescentes*.

Asilus Sauleyi, *Macq. Dipt. Exot.* i. 2, 150, 39.

St. Lorenzo, Canary Isles.

Africa.

Group LOPHONOTUS.

A. *Mystax niger*.A. *Venæ cubitalis et externo-media 1a non conjunctæ.*a. *Corpus æneum, aut subæneum.*

a. *Alæ subcinereæ.* - - - - *nigricans*, *Wied.*

b. *Alæ subflavescentes.* - - - - *comatus*, *Wied.*

B. *Corpus non ænescens.* - - - - *pellitus*, *Wied.*

B. *Venæ cubitalis et externo-media 1a conjunctæ.*

heteroneurus, *Macq.*

B. *Mystax albus, nigro varius.*A. *Alæ limpidae.*

A. *Abdomen maculis trigonis.* - - - - *suillus*, *Fabr.*

B. *Abdomen vitta nigella.* - - - - *molitor*, *Wied.*

c. *Abdomen unicolor.* - - - - *Isse*, *Walk.*

B. *Alæ subfulvæ.* - - - - *Ladon*, *Walk.*

C. *Mystax rufus, nigro limbatus.* - - - - *rufus*, *Macq.*

D. *Mystax flavus, nigro limbatus.* - - - - *flavibarbis*, *Macq.*

E. *Mystax albus, nigro limbatus.*

A. *Corpus ænescens.*a. *Venæ externo-mediae 3a et 4a ad marginem conjunctæ.*

incisuralis, *Macq.*

b. *Venæ externo-mediae 3a et 4a ante marginem conjunctæ.*

forcipatus, *Macq.*

B. *Corpus non ænescens.* - - - - *geniculatus*, *Macq.*

F. *Mystax flavus.*

- A. Tibiæ nigræ.
 A. Corpus submetallicum. - - - chalcogaster, *Wied.*
 B. Corpus non metallicum. - - - - Abuntius, *Walk.*
 B. Tibiæ rufæ, apice nigræ.
 A. Alæ flavescentes. - - - - tibialis, *Macq.*
 B. Alæ limpidae. - - - - Noas, *Walk.*
 C. Tibiæ tarsique obscure fulva. - - - Amazænes, *Walk.*
 D. Pedes fuscii. - - - - Phæax, *Walk.*
 G. *Mystax flavescens* albus. - - - Aphellas, *Walk.*
 H. *Mystax albus*.
 A. Femora subtus testacea. - - - albibarbis, *Macq.*
 B. Femora tota nigra.
 a. Abdomen fuscum, fasciis canis. - - - Androclea, *Walk.*
 b. Abdomen non fasciatum. - - - Paron, *Walk.*

Sub-group 1.

Mas. Corpus angustum. Caput subtus densissime pilosum. Facies convexa. *Mystax* densissime setosus, usque ad antennas ascendens. Proboscis crassa, lanceolata. Thorax subcompressus, carinatus. Abdomen thorace multo longius. Sexualia longa; forceps rectus, utrinque furcatus. Pedes validi, hirti, spinis crassis breviusculis; femora incrassata.

Radial vein as usual. Cubital vein forked at two-thirds of its length; forks nearly straight. First externo-medial vein much curved near its base; second straight; third forming a slightly acute angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus chalcogaster, *Wied.*

Sub-group 2.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight, diverging. First externo-medial vein curved near the base; second straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth not far from the border. Subanal joining the anal near the border.

Asilus Noas, *Walk.*; *A. Isse*, *Walk.*; *A. Amazænes*, *Walk.*; *A. Aphellas*, *Walk.*

Sub-group 3.

Cubital vein forked at a little beyond two-thirds of its length; forks nearly straight. First and second externo-medial veins

straight; third very slightly curved, forming an almost right angle with the præbrachial, joining the fourth far from the border. Sub-anal joining the anal near the border.

Asilus Abuntius, *Walk.*

Sub-group 4.

Cubital vein forked at much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Sub-anal joining the anal close to the border.

Asilus Paron, *Walk.*

160. ASILUS NIGRICANS.

Fœm. *Æneo-nigellus*; *mystax niger*; *antennæ nigræ*; *thorax nigro cristatus*; *abdomen maculis trapezoideis æneis*; *tibiæ basi rufescentes*; *alæ subcinereæ*.

Asilus nigricans, *Wied. Dipt. Exot. i. 195, 23*; *Auss. Zweifl. i. 453, 43.*

Cape.

161. ASILUS COMATUS.

Fœm. *Ænescens*; *mystax niger*; *antennæ nigræ*; *thorax flavidus, cristatus, vitta lata fusca*; *abdomen flavo-fuscum, vitta e maculis nigro-æneis*; *alæ subflavescentes*.

Asilus comatus, *Wied. Dipt. Exot. i. 193, 20*; *Auss. Zweifl. i. 449, 37.*

Cape.

162. ASILUS PELLITUS.

Mas. et fœm. *Niger, cervino hirtus*; *mystax niger*; *antennæ nigræ*; *thoracis crista cervina, vitta nigra*; *abdominis vitta et incisuræ nigræ*; *alæ limpidae, apice subflavescentes*.

Asilus pellitus, *Wied.*

Cape.

163. ASILUS HETERONEURUS.

Mas. *Æneus, cinereo pubescens*; *pedes nigris*; *alæ macula fuscana*; *venæ cubitalis et externo-media 1a conjunctæ*.

Lophonotus heteroneurus, *Macq. Dipt. Exot. i. 2, 128, 7, pl. 10, f. 4.*

Cape.

164. ASILUS SUILLUS.

Fœm. *Nigellus*, *albido hirtus*; *mystax albus*, *setis plurimis nigris*; *thorax crista nigra*; *abdomen maculis trigonis*; *tibiæ castaneo-fuscæ*; *alæ limpidaæ*.

Dasygogon suillus, *Fabr.*

Lophonotus suillus, *Macq. Dipt. Exot. i. 2, 126, 3, pl. 10, f. 7.*

Cape.

165. ASILUS MOLITOR.

Mas. *Canus*; *albo pilosus*; *mystax albus*, *setis supra nonnullis nigris*; *antennæ nigrae*; *thorax fusco vittatus*; *abdomen vitta nigella*; *tibiæ basi rufescentes*; *alæ limpidaæ*.

Asilus molitor, *Wied.*

Cape.

166. ASILUS ISSE.

Asilus Isse, *Cat. of Diptera, Pt. 2, 449.*

South Africa.

167. ASILUS LADON.

Asilus Ladon, *Cat. of Diptera, Pt. 2, 412.*

South Africa.

168. ASILUS RUFUS.

Mas. *Æneus*, *rufo hirsutus*; *mystax rufus nigro limbatus*; *tibiæ posteriores extus flavæ*; *alæ flavescentes*.

Lophonotus rufus, *Macq. Dipt. Exot. i. 2, 129, 9, pl. 10, f. 6.*

Cape.

169. ASILUS FLAVIBARBIS.

Mas. *Ænescens*, *flavido pubescens*; *mystax flavus-nigro limbatus*, *tibiæ basi castaneæ*; *alæ hyalinae*.

Lophonotus flavibarbis, *Macq. Dipt. Exot. i. 2, 127, 4.*

Cape.

170. ASILUS INCISURALIS.

Mas. *Ænescens*, *albido pubescens*; *mystax albus*, *nigro limbatus*; *abdominis incisuræ albidae*; *forceps brevis*; *alæ hyalinae*, *venis externo-mediis 3a et 4a ad marginem conjunctis*.

Lophonotus incisuralis, *Macq. Dipt. Exot. i. 2, 128, 6.*

Cape.

171. ASILUS FORCIPATUS.

Mas. *Ænescens, cinereo pubescens; mystax albus, nigro limbatus; abdominis incisuræ albidæ; genua testacea; alæ subhyalinæ, venis externo-mediis 3a et 4a ante marginem conjunctis.*

Lophonotus forcipatus, *Macq. Dipt. Exot. i. 2, 127, 5, pl. 10, f. 5.*

Cape.

172. ASILUS GENICULATUS.

Fœm. *Nigellus, cinereo pubescens; mystax albidus, nigro limbatus; pedes viridi nigri, tibiis basi fulvis; alæ hyalinæ, areolarum marginalium et posticorum discis cinereis.*

Lophonotus geniculatus, *Macq. Dipt. Exot. i. 2, 129, 8.*

Cape.

173. ASILUS CHALCOGASTER.

Mas. et fœm. *Æneus; mystax aureo-flavus; antennæ nigrae; thorax nigro cristatus; tibiæ basi castanco-fusca; alæ subflavescentes.*

Asilus chalcogaster, *Wied. Zool. Mag. iii. 35, 50; Dipt. Exot. i. 189, 13; Auss. Zweifl. i. 442, 26.*

a. Cape. From Mr. Saunders' collection.

Var.? *Ænescens, cinereo pubescens; mystax aurantiacus; abdominis forceps elongatus; alæ flavescentes.*

Lophonotus auribarbis, *Macq. Dipt. Exot. i. 2, 126, 1, pl. 10, f. 3.*

Cape.

174. ASILUS ABUNTIUS.

Asilus Abuntius, *Cat. of Diptera, Pt. 2, 447.*

South Africa.

175. ASILUS TIBIALIS.

Fœm. *Viridi-niger; flavo pilosus; pedes nigri, tibiis rufis apice nigris; alæ flavescentes, areola 4a postica obliqua.*

Lophonotus tibialis, *Macq. Dipt. Exot. i. 2, 126, 2.*

Cape.

176. ASILUS NOAS.

Asilus Noas, *Cat. of Diptera*, Pt. 2, 448.

South Africa.

177. ASILUS AMAZENES.

Asilus Amazænes, *Cat. of Diptera*, Pt. 2, 447.

South Africa.

178. ASILUS PHÆAX.

Asilus Phæax, *Cat. of Diptera*, Pt. 2, 412.

South Africa.

179. ASILUS APHELLAS.

Asilus Aphellas, *Cat. of Diptera*, Pt. 2, 447.

South Africa.

180. ASILUS ALBIBARBIS.

Fœm. *Niger*; *barba mystaxque alba*; *pedes testacei, femoribus supra nigris*; *alæ subhyalinæ*.

Lophonotus albibarbis, *Macq. Dipt. Exot. Suppl.* 1, 87, 12.

Cape.

181. ASILUS ANDROCLEA.

Asilus Androclea, *Cat. of Diptera*, Pt. 2, 411.

South Africa.

182. ASILUS PARON.

Asilus Paron, *Cat. of Diptera*, Pt. 2, 450.

South Africa.

A. *Mystax ferrugineo-nigroque varius*. - - - Schedius, *Walk.*

B. *Mystax albo-nigroque varius*.

A. *Pedes nigri*.

A. *Tibiæ basi testacææ*. - - - fusco-cinereus, *Macq.*

B. *Tibiæ posticæ rufæ*. - - - periscelis, *Macq.*

C. *Tibiæ subtestacææ*. - - - incisuralis, *Macq.*

B. *Pedes fulvi, extus fusco-castanei*. - - - Ægyptius, *Macq.*

C. *Mystax niger, subtus flavus*.

A. *Alæ hyalinæ*. - - - forficula, *Macq.*

- B.* Alæ flavescentes, apice fuscescentes. - nigribarbis, *Macq.*
D. *Mystax rufus.* - - - - - hirtipes, *Macq.*
E. *Mystax flavus* aut *flavescens.*
A. Pedes nigro-ænei, tibiis testaceis. - flavo-pilosus, *Macq.*
B. Pedes badii. - - - - - brunnipes, *Fabr.*
C. Pedes ferruginei, femoribus nigro vittatus. Scaurus, *Walk.*
D. Pedes fulvi. - - - - - dubius, *Macq.*
F. *Mystax albus* aut *albidus.*
A. Alæ macula apicali fusca. - - - - - acrobaptus, *Wied.*
B. Alæ non maculatæ.
A. Abdomen fusco maculatum. - - - - - dorsiger, *Wied.*
B. Abdomen non maculatum.
a. Corpus flavidum. - - - - - Osiris, *Wied.*
b. Corpus cinereum aut albidum.
E. Pedes ex parte pallidi.
i. Femora et tibiæ apice nigra. - bipartitus, *Macq.*
ii. Femora nigro vittata. - - - - - femoralis, *Wied.*
F. Pedes cinerei. - - - - - Alastor, *Walk.*
G. *Mystax* ———? - - - - - Tangeri, *Boisd.*

Group 1.

Corpus magnum. Caput densissime pilosum. Facies valde convexa. *Mystax* dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o longior; 3us lanceolatus, 1o et 2o conjunctim æqualis; arista valida, 3o multo brevior. Thorax et abdominis incisuræ setis lateralibus albis. Abdomen subcylindricum, thorace duplo longius. Pedes validi, hirti, albo spinosi. *Mas.*—Abdomen sublineare. Sexualia parva, hirta. *Fem.*—Abdomen oblanceolatum, apice compresso lævi nitido.

Cubital vein forked at very much beyond half its length; fore fork almost straight; hind fork slightly undulating. First and second externo-medial veins straight, excepting a very obtuse angle near the base of the first; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Scaurus, *Walk.*

Group 2.

Mas. Corpus mediocre, fere nudum. Caput subtus pilosum. Facies fere plana. *Mystax* parce setosus. Proboscis sublinearis. Antennarum articulus 1us 2o multo longior; 3us lanceolatus, 1o vix longior; arista sat valida, 3o vix brevior. Thorax setis paucis

lateralibus et posticis. Abdomen gracile, suboblanceolatum, thorace duplo longius, incisuris utrinque parce setosis. Sexualia minima. Pedes validi, spinosi, parce hirti.

Wings ribbed transversely, and slightly dilated in front along the stigma. Cubital vein forked at a little before two-thirds of its length; fore fork slightly undulating; hind fork nearly straight. Externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border. Discal areolet very narrow, except at each end, on account of the curve of the præbrachial hind fork.

Asilus dubius, *Macq.*

Group 3.

Fœm. Corpus gracile, fere nudum. Caput subtus pilosum. Facies plana. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o paullo longior. Thoracis latera setis paucis. Abdomen longi-oblanceolatum, thorace triplo longius. Pedes graciles, breviusculi, parum spinosi.

Radial vein curved at its tip. Cubital forked at before half its length; fore fork forming at its base a slightly obtuse angle, which emits a branch, hardly curved from thence to its tip; hind fork curved towards the first externo-medial, and joining it close to the border. First and second externo-medial veins nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus femoralis, *Wied.*

Group 4.

Mas. Corpus longiusculum, fere nudum. Caput ademptum. Thoracis latera et abdomen setis paucis. Abdomen vix oblanceolatum, apice fasciculatum, thorace plus duplo longius. Sexualia parva. Pedes graciles, setosi, vix hirti.

This differs much from the other groups of *Asilus*, and may possibly belong to another genus.

Radial vein joining the subcostal very far from the tip of the latter. Cubital forked at about two-thirds of its length; fore fork nearly straight, joining the subcostal very near the tip of the latter;

hind fork and first externo-medial vein slightly curved forward, and parallel to each other; second externo-medial nearly straight; third forming a slightly acute angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Alastor, *Walk.*

183. *ASILUS SCHEDIUS.*

Asilus Schedius, *Cat. of Diptera*, Pt. 2, 430.

South Africa.

184. *ASILUS FUSCO-CINEREUS.*

Mas. *Fusco-cinereus*; abdomen micans, linea dorsali nigra, incisuris cinereis; pedes nigri, tibiis basi testaceis; alæ flavescens, apice subfusca.

Asilus fusco-cinereus, *Macq. Dipt. Exot. i. 2*, 137, 7; *Explor. Scient. Alg. iii. Ins. 440*, 73.

Algiers.

185. *ASILUS PERISCELIS.*

Cinereo-flavescens; mystax nigro-alboque varius; barba alba; thorax vittis nigris; abdomen nigrum, cinereo tomentosum; pedes nigri, tibiis posticis rufis; alæ limpidæ, apice cinereæ; halteres flavi.

Asilus periscelis, *Macq. Expl. Scient. Alg. iii. Ins. 442*, 79, pl. 3, f. 3.

Algeria.

186. *ASILUS INCISURALIS.*

Mas. *Ater*; thorax cinereus, nigro vittatus; abdomen basi incisurisque albidis; tibiæ subtestaceæ; alæ fuscana, dilatata.

Asilus incisuralis, *Macq. Dipt. Exot. i. 2*, 140, 13.

Cape.

187. *ASILUS ÆGYPTIUS.*

Mas. *Ater*; abdominis incisuræ albidæ; anus fulvus; pedes fulvi, extus fusco-castanei; alæ hyalinæ, apice subcinereæ.

Asilus Ægyptius, *Macq. Dipt. Exot. i. 2*, 137, 5.

Egypt.

188. ASILUS FORFICULA.

Niger; mystax subтус flavus; antennæ basi testaceæ; thorax cinereus, vittis nigris; abdomen cinereo tomentosum; pedes fulvi; alæ hyalinæ.

Asilus forficula, Macq. Dipt. Exot. Suppl. 1, 90, 45, pl. 8, f. 16.

Caffraria.

189. ASILUS NIGRIBARBIS.

Fœm. Flavo tomentosus; mystax niger, setis nonnullis inferioribus flavescentibus; thorax nigro-fusco vittatus, margine postico scutelloque albo pilosis; abdomen nigro-cinereum, maculis dorsalibus violaceo nigris; pedes fulvi, hirsuti, femoribus nigro-æneis; alæ flavescentes, apice fuscescentes.

Asilus nigribarbis, Macq. Dipt. Exot. Suppl. 1, 88, 43.

Caffraria.

190. ASILUS HIRTIPES.

Niger; mystax barbaque rufa; abdomen vitta dorsali flavida ornatum; pedes hirti, tibiis testaceis apice nigris, tarsis basi testaceis; alæ subrufescentes, venarum discis fuscescentibus; halteres fulvi.

Asilus hirtipes, Macq. Expl. Scient. Alg. iii. Ins. 440, 72, pl. 2, f. 9.

Algeria.

191. ASILUS FLAVO-PILOSUS.

Flavidus; mystax barbaque flavida; thorax vittis nigris; abdomen nigrum; pedes nigro-ænei, tibiis testaceis; alæ limpida, areolarum posticarum discis subcinereis.

Asilus flavo-pilosus, Macq. Expl. Scient. Alg. iii. Ins. 441, 75.

Algeria.

192. ASILUS BRUNNIPES.

Fœm. Flavo virens; mystax flavescens; antennæ flavo-cinereæ, apice nigrae; abdominis incisuræ gilvæ; pedes badii; alæ limpida, apice subcinereæ, costa subflavescentes.

Asilus brunnipes, Fabr. Ent. Syst. iv. 384, 35. Coqueb. Ill. Icon. 114, pl. 25, f. 24. Wied. Auss. Zweifl. i. 428, 6.

Barbary.

193. ASILUS SCAURUS.

Asilus Scaurus, *Cat. of Diptera*, Pt. 2, 464.

Tripoli.

194. ASILUS DUBIUS.

Flavidus; *mystax flavus*; *antennæ nigræ*, *basi testaceæ*; *thorax vittis nigris*; *abdomen maris cinereum*, *fœm. vitta dorsali nigra*; *pedes fulvi*; *alæ maris rufescentes dilatatae*, *fœm. hyalinæ*.

Asilus dubius, *Macq. Dipt. Exot. Suppl.* 1, 89, 44, pl. 8, f. 15.

Connects *Asilus* with *Erax*.

South Africa.

Var.? *Mas. Cinereus*; *caput subtus albo pilosum*; *mystax albido testaceus*; *thorax vitta dorsali interlineata duabusque lateralibus interruptis nigro-fuscis*; *abdomen vitta dorsali interrupta nigra-fusca*; *pedes fulvi*, *femoribus extus tarsisque nigris*; *alæ sublimpidæ*, *antice et apud venas subfuscescentes*.

Male. Cinereous. Head whitish, and with whitish hairs behind and beneath. *Mystax* with whitish testaceous bristles. *Antennæ* black. *Thorax* with three blackish brown stripes; the middle one divided; the lateral pair interrupted. *Abdomen* with an interrupted dorsal brown-bordered black stripe; tip clothed beneath with yellowish hairs. *Legs* tawny; *femora* on the outer side and *tarsi* black. *Wings* slightly brownish, nearly tipped at the base and along most of the hind border; *veins* black, ferruginous at the base. *Halteres* pale yellow. Length of the body 7 lines; of the wings 11 lines.

a. Port Natal. From M. Gueinzus' collection.

195. ASILUS ACROBAPTUS.

Mas. Canescens; *mystax albus*; *antennæ nigræ*; *thorax vittatus*; *abdomen nigrum*, *marginibus fasciisque canis*; *tibiæ rufescentes*; *alæ subflavescentes*, *macula apicali fusca*.

Asilus acrobaptus, *Wied. Auss. Zweifl.* i. 449, 36.

Cape.

196. ASILUS DORSIGER.

Fœm. *Canescens*; *mystax albus*; *antennæ nigræ*; *thorax vittatus*; *abdomen e maculis subrhomboidalibus fuscis vittatum, incisuris albis*; *pedes rufescentes, femoribus supra nigris*; *alæ limpida, venis flavido marginatis.*

Asilus dorsiger, *Wied. Auss. Zweifl. i. 436.*

Egypt.

197. ASILUS OSIRIS.

Fœm. *Flavidus*; *mystax albus*; *antennæ nigræ*; *thorax vitta media latissima distinctissima nigella*; *abdominis incisuræ certo situ albida*; *pedes nigelli, tibiis basi rubidis*; *alæ limpida, apice fusco-cinerea.*

Asilus Osiris, *Wied. Auss. Zweifl. i. 452, 42.*

Egypt.

198. ASILUS BIPARTITUS.

Albidus; *mystax barbaque albida*; *thorax vittis nigris*; *abdomen cinereo-fuscanum*; *femora tibiaque antice nigra, postice testacea*; *alæ sublimpida, apice cinerea*; *halteres testacei.*

Asilus bipartitus, *Macq. Expl. Scient. Alg. iii. Ins. 442, 78, pl. 3, f. 2.*

Algeria.

199. ASILUS FEMORALIS.

Cinereus; *antennæ rufescentes*; *thorax vitta et utrinque puncto fuscis*; *pedes rufescentes, femoribus nigro vittatis*; *alæ limpida.*

Asilus femoralis, *Wied.*

Egypt.

200. ASILUS ALASTOR.

Asilus Alastor, *Cat. of Diptera, Pt. 2, 444.*

South Africa.

201. ASILUS TANGERI.

Ferrugineus; *thorax vitta dorsali striisque lateralibus nigris*; *alæ fuscescentes.*

Asilus Tangeri, *Boisd. Voy. de l'Astrolabe, Atlas Ent. pl. 12, f. 8.*

Algeria.

Mauritius.

Group LOPHONOTUS.

202. ASILUS BREONII.

Mas. *Nigellus*, cinereo pubescens; *mystax albidus*; *abdominis incisuræ albide*; *alæ flavescentes*.

Lophonotus Breonii, *Macq. Dipt. Exot.* i. 2, 129, 10.

Mauritius.

Asia, Arabia.

203. ASILUS ARABICUS.

Cinereus; *antennæ nigræ*, *basi rufæ*; *pedes rufi*; *alæ subflavescentes*, *apice cinereæ*.

Asilus Arabicus, *Macq. Dipt. Exot.* i. 2, 136, 4.

Arabia.

Persia.

204. ASILUS LONGITARSIS.

Fœm. *Albidus*; *scutellum cinereum*; *abdomen rufum*; *pedes nigri*, *gracilis*; *alæ hyalinæ*.

Asilus longitarsis, *Macq. Dipt. Exot.* i. 2, 140, 14.

Persia.

205. ASILUS LUCIDUS.

Orichalceo micans; *mystax flavescens*, *setis supra nonnullis nigris*; *thorax fusco trivittatus*; *pedes picei*, *tibiis basi badiis*; *alæ vix flavescentes*.

Asilus lucidus, *Wied. Zool. Mag.* ii. 30; *Dipt. Exot.* i. 184, 3; *Auss. Zweifl.* i. 429, 7.

Persia.

206. ASILUS PALLENS.

Mas. *Cinereus*; *mystax flavescens*; *antennæ nigræ*; *basi flavescens*; *thorax vitta gemina fusco utrinque in nodum dilatata*; *abdomen flavescens*; *pedes helvoli*; *alæ limpide*, *apice subcinereæ*.

Asilus pallens, *Pallas*; *Wied. Zool. Mag.* ii. 2; *Dipt. Exot.* i. 194, 21; *Auss. Zweifl.* i. 451, 39.

Deserts to the South of the Caspian Sea.

East Indies, Java, Sumatra, China.

- A. *Mystax niger*.
 A. Pedes rufi. - - - - - opulentus, *Walk*.
 B. Pedes nigri. - - - - - atratulus, *Walk*.
 B. *Mystax niger*, fulvo aut flavo varius. - - - clavipes, *Macq*.
 C. *Mystax albidus*, nigro varius. - - - appendiculatus, *Macq*.
 D. *Mystax aureus*, flavus, aut flavido-albus.
 A. Alæ flavæ aut subflavæ, apice obscuriores.
 A. Femora nigra. - - - - - flavescens, *Fabr*.
 B. Femora nigro vittata. - - - - - Philus, *Walk*.
 c. Femora pallida.
 a. Abdomen atrum, fulvo fasciatum. - - - longistylus, *Wied*.
 b. Abdomen fuscum, incisuris flavidis. - - - Bengalensis, *Macq*.
 Abdomen fulvum, apice fuscum. - - - nudipes, *Macq*.
 B. Alæ flavescens. - - - - - Chinensis, *Fabr*.
 C. Alæ limpidæ, venis flavo-fusco limbatis. - - - penultimus, *Walk*.
 D. Alæ limpidæ, vix flavescens. - - - xanthopus, *Wied*.
 E. Alæ limpidæ aut sublimpidæ.
 A. Femora nigra. - - - - - bifidus, *Fabr*.
 B. Femora nigra, ferrugineo varia. - - - Congedus, *Walk*.
 c. Femora flava.
 a. Antennæ nigræ. - - - - - griseus, *Wied*.
 b. Antennæ rufæ, apice nigræ. - - - Duvancelii, *Macq*.
 E. *Mystax cinereus*. - - - - - pusio, *Wied*.
 F. *Mystax cinereo-albidus*. - - - - - annulatus, *Fabr*.
 G. *Mystax albus*, aut albidus.
 A. Antennæ nigræ.
 A. Alæ subflavescentes. - - - - - agilis, *Wied*.
 B. Alæ hyalinæ.
 a. Thorax vitta fusca. - - - - - lætus, *Wied*.
 b. Thorax non vittatus. - - - - - trifarius, *Macq*.
 B. Antennæ fulvæ, aut flavæ.
 A. Alæ subfulvæ. - - - - - Iamenus, *Walk*.
 B. Alæ hyalinæ.
 a. Thorax cinereus. - - - - - flavicornis, *Macq*.
 b. Thorax fuscus, lateribus fulvis, aut canis.
 i. Femora nigro vittata. - - - - - paterculus, *Walk*.
 ii. Femora non vittata. - - - - - præfiniens, *Walk*.
 c. Thorax fuscus, vittis quinque fulvis. - - - Barium, *Walk*.

Group 1.

Fam. Corpus parvum, gracile. Caput subtus parce pilosum. Facies parum convexa. Mystax dense setosus, ad antennis fere ascendens. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o non longior; arista 3o vix longior. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apicem versus compressum et substylatum. Pedes validi, spinosi, parce hirti; antici longissime spinosi.

Cubital vein very long, forked at much before half its length; fore fork nearly straight; hind fork slightly undulating. Externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus atratulus, Walk.

Group 2.

Fam. Corpus latum, dense hirtum. Caput subtus pilosum. Facies subconvexa. Mystax sat dense setosus. Proboscis crassa, lanceolata. Abdominis dimidium basale obconicum, thorace non longius; dimidium apicale stylatum. Pedes crassi, spinosi, parce hirti.

Radial vein straight, curved at its tip, joining the subcostal at some distance from the tip of the latter. Fore fork of the cubital hardly undulating; hind fork rather deeply undulating. First externo-medial curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal at some distance from the border.

Asilus Philus, Walk.

Group 3.

Corpus mediocre aut majusculum, fere nudum. Caput subtus parce pilosum. Facies subconvexa. Mystax parce setosus. Proboscis gracilis, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o multo brevior; arista 3o duplo longior. Thoracis abdominisque latera parce setosa. Thorax abdomine duplo latius. Abdomen oblanceolatum, thorace fere duplo longius, alas superans. Pedes robusti, spinosi, parce hirti. Alæ dilatatæ; venæ costalis et subcostalis conjunctæ. *Mas.*—

Sexualia parva; forceps gracilis, subarcuatus. *Fœm.* — Abdomen apice acuminatum non compressum.

Wings dilated and ribbed transversely in front beyond the middle; costal and subcostal veins united. Radial vein undulating, incrassated before the middle. Cubital vein incrassated from the base to the fork, forked at rather beyond half its length; forks slightly undulating; hind fork joined by an incrassated veinlet with the fore fork of the præbrachial; hind fork of the præbrachial much curved, whereby the middle of the discal areolet is much straightened. First and second externo-medial veins straight; third curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus flavicornis, *Macq.*; *A. Barium*, *Walk.*; *A. Iamenus*, *Walk.*

207. ASILUS OPULENTUS.

Asilus opulentus, *Diptera Saundersiana*, Pt. 2, 150.

East Indies.

208. ASILUS ATRATULUS.

Fœm. *Niger, cinereo tomentosus; caput antice albidum, subtus albo pilosum; thorax nigro trivittatus; alæ cinereæ, apud baseos sublimpidæ.*

Fem. Black, with cinereous tomentum. Head whitish in front, with white hairs beneath. Mystax black, with very long bristles. Thorax with three indistinct blackish stripes. Abdomen black and shining towards the tip. Legs black, with short hairs and long slender spines. Wings gray, nearly limpid at the base and in the basal half of the disk. Halteres whitish yellow. Length of the body 5 lines; of the wings 8 lines.

a. Java. From the East India Company's collection.

209. ASILUS CLAVIPES.

Fœm. *Ater, cinereo pubescens; antennæ basi testaceæ; pedes flavi; alæ hyalinæ, apice subcinereæ.*

Asilus clavipes, *Macq. Dipt. Exot. i. 2, 142, 19.*

Allied to *Asilus pusio*, *Wied.*

Java.

210. ASILUS APPENDICULATUS.

Mas. *Ater, cinereo pubescens; mystax albidus, nigro varius; anus appendice filiformi munitus; tibiæ posticæ testaceæ; alæ hyalinæ.*

Asilus appendiculatus, Macq. Dipt. Exot. Suppl. 3, 29, 63, pl. 2, f. 3.

Java.

211. ASILUS FLAVESCENS.

Mas. *Flavidus; mystax flavescens; antennæ nigræ, basi rufescentes; thorax vittis olivaceo-fuscanis; abdomen fuscum, fulvo pilosum; pedes nigri, tibiis rubidis; alæ flavescens, apice cinereæ.*

Dasypogon flavescens, Fabr. Syst. Antl. 169, 26.

Asilus flavescens, Wied. Auss. Zweifl. i. 437, 20.

Java. Sumatra.

212. ASILUS PHILUS.

Asilus Philus, Cat. of Diptera, Pt. 2, 393.

Silhet.

213. ASILUS LONGISTYLUS.

Fulvus; mystax aureus; antennæ nigræ; thorax vittis nigellis; abdomen atrum, fulvo fasciatum; pedes rubidi, femoribus basi genubus tarsisque nigris; alæ flavidæ, apice cinereæ.

Asilus longistylus, Wied. Auss. Zweifl. i. 433, 13.

Java.

214. ASILUS BENGALENSIS.

Rufescens; antennæ flavæ; mystax barbaque flavescens; abdomen fuscum, incisuris flavidis, fœm. apice attenuatum; pedes rufi, fœm. femoribus posterioribus apice nigricantibus; alæ flavidæ, apice fuscae.

Asilus Bengalensis, Macq. Dipt. Exot. i. 2, 141, 16, pl. 12, f. 2.

Bengal.

215. ASILUS NUDIPES.

Fœm. Facies et mystax aurea; thoracis dorsum nigrum lineis albidis; abdomen fulvum, apice fuscum; pedes fulvi, subnudi; alæ flavæ, apice fuscae.

Asilus nudipes, *Macq. Dipt. Exot. Suppl.* 2, 42, 56.

East Indies.

216. *ASILUS CHINENSIS*.

Flavidus; *mystax flavescens*; *antennæ ferrugineæ*; *thorax fusco vittatus*; *abdomen vitta media obsoleta fusca*; *pedes ferruginei*; *alæ flavescentes*.

Asilus Chinensis, *Fabr. Ent. Syst.* iv. 383, 34. *Wied. Dipt. Exot.* i. 185, 6; *Auss. Zweifl.* 434, 14.

China.

217. *ASILUS PENULTIMUS*.

Asilus penultimus, *Diptera Saundersiana*, Pt 2, 134.

East Indies.

218. *ASILUS XANTHOPUS*.

Mas et fœm. *Flavidus*; *mystax albo-flavescens*; *antennæ flavæ*, *apice nigræ*; *thorax fulvus*, *vix vittatus*; *abdomen incisuris flavis*; *pedes mellei*, *femoribus posticis apice nigro-fuscis*; *alæ limpida, vix flavescentes*.

Asilus xanthopus, *Wied. Zool. Mag.* iii. 5, 6; *Dipt. Exot.* i. 186, 7; *Auss. Zweifl.* i. 436, 18.

Java.

219. *ASILUS BIFIDUS*.

Fœm. *Canus*; *mystax flavescens*; *thorax nigro vittatus*; *abdomen nigrum*, *argenteo fasciatum*; *pedes nigri*, *tibiis testaceis*; *alæ sublimpidæ*.

Dasyogon bifidus, *Fabr. Syst. Antl.* 170, 30.

Asilus bifidus, *Wied. Dipt. Exot.* i. 190, 14; *Auss. Zweifl.* i. 443, 29.

Tranquebar.

220. *ASILUS CONGEDUS*.

Asilus Congedus, *Diptera Saundersiana*, Pt. 2, 138.

East Indies.

221. ASILUS GRISEUS.

Fœm. *Cinereus*; *mystax flavescens*; *antennæ nigræ*; *thorax vitta latissima fusca*; *abdomen cinereo-fuscum*; *pedes saturate flavi*, *femoribus tibiis tarsisque apice nigris*; *alæ limpidæ*.

Asilus grisens, *Wied. Dipt. Exot. i. 192, 17*; *Auss. Zweifl. i. 442, 27*.

Java.

222. ASILUS DUVAUCELII.

Mas. *Cinereus*; *antennæ rufæ*, *apice nigræ*; *thorax nigro vittatus*; *abdomen trifariam nigro maculatum*; *pedes flavis*, *femoribus et tibiis apice tarsisque nigris*; *alæ hyalinæ*, *subdilatatæ*.

Asilus Duvaucelii, *Macq. Dipt. Exot. i. 2, 141, 15, pl. 12, f. 1*.

Bengal.

223. ASILUS PUSIO.

Cinereus; *thorax lineis transversis albidis*; *pedes flavido-testacei*; *alæ hyalinæ*, *marginè postico subobscurò*.

Asilus pusio, *Wied. Zool. Mag. iii. 36, 52*; *Dipt. Exot. i. 195, 25*; *Auss. Zweifl. i. 455, 47*. *Macq. Dipt. Exot. i. 2, 143, 20*.

Java.

224. ASILUS ANNULATUS.

Mas. et fœm. *Cinereus*; *mystax cinereo-albidus*; *antennæ flavæ*, *apice fuscæ*; *thorax vitta fusca*; *abdomen fusco trivittatum*; *pedes flavi*; *alæ limpidæ*, *apice cinereæ*.

Asilus annulatus, *Fabr. Syst. Ent. 794, 15*; *Ent. Syst. iv. 384, 37*.
Wied. Dipt. Exot. i. 205, 42; *Auss. Zweifl. i. 434, 15*.

Dasygogon annulatus, *Fabr. Syst. Antl. 171, 32*.

East Indies.

225. ASILUS AGILIS.

Mas. *Cinereus*; *mystax albus*; *antennæ nigræ*; *thorax nigro vittatus*; *abdomen nigrum*, *flavido fasciatum*; *pedes nigri*; *alæ subflavescentes*, *apice subcinereæ*.

Asilus agilis, *Wied. Auss. Zweifl. i. 456, 48*.

Java.

226. ASILUS LÆTUS.

Fœm. *Cinereus*; *mystax albus*; *antennæ nigræ*; *thorax vitta media lata fusca*; *abdomen maculis geminis fuscis*; *alæ limpidaë, apice cinereæ*.

Asilus lætus, *Wied. Anal. Entom.* 24, 17; *Auss. Zweifl.* i. 435, 16.
East Indies.

227. ASILUS TRIFARIUS.

Mas. *Cinereus*; *antennæ nigræ*; *abdomen trifariam fusco maculatum*; *pedes mellei*; *alæ hyalinæ, apice margineque postico obscuris*.

Asilus trifarius, *Macq. Dipt. Exot.* i. 2, 142, 19.
Pondicherry.

228. ASILUS IAMENUS.

Asilus Iamenus, *Cat. of Diptera*, Pt. 2, 428.

229. ASILUS FLAVICORNIS.

Mas. *Cinereus*; *antennæ flavæ*; *pulpi fulvi*; *abdomen linea dorsali fusca, incisuris albidis*; *pedes fulvi, femoribus nigro vittatis*; *tibiis et tarsorum articulis apice tarsisque posticis nigris*; *alæ hyalinæ, subdilatate*.

Asilus flavicornis, *Macq. Dipt. Exot.* i. 2, 142, 17.
Bengal.

a. Ceylon. Presented by R. Templeton, Esq.

230. ASILUS PATERCULUS.

Asilus paterculus, *Diptera Saundersiana*, Pt. 2, 146.
East Indies.

231. ASILUS PRÆFINIENS.

Asilus præfiniens, *Diptera Saundersiana*, Pt. 2, 146.
East Indies.

232. ASILUS BARIUM.

Asilus Barium, *Cat. of Diptera*, Pt. 2, 426.
Ceylon.

Fem. Head narrower, and thorax much more slender than that of the male. Abdomen brown; base and hind borders of the segments pale tawny; apical third part stylate, blackish. Wings not dilated in front; their veins not incrassated.

a, b. Sumatra. From Sir Stamford Raffles' collection.

Australia.

A. *Mystax niger*.

A. Tibiæ nigræ, basi ferruginæ. - - villicatus, *Walk.*

B. Tibiæ fulvæ. - - - - - obumbratus, *Walk.*

B. *Mystax niger*, fulvo-flavo aut flavido-albo varius.

A. Pedes nigri. - - - - - laticornis, *Macq.*

B. Pedes nigri; tibiæ dimidio basali fulvo. - Pelago, *Walk.*

C. Femora nigra. - - - - - exilis, *Macq.*

D. Femora fulvo-nigra; tibiæ triente apicali nigro.
Maricus, *Walk.*

E. Femora cinerea. - - - - - Cædicius, *Walk.*

F. Femora castanea. - - - - - rubrithorax, *Macq.*

G. Femora rufa, flava, aut testacea.

A. Alæ fuscæ, aut subfulvæ.

a. Femora apice nigra.

i. Abdomen testaceum. - - - Tasmania, *Macq.*

ii. Abdomen rufum, apice nigrum. - giganteus, *Macq.*

b. Femora non apice nigra.

i. Alæ subfuscescentes. - - - nigritarsis, *Macq.*

ii. Alæ flavo-fuscescentes.

* Abdomen fulvum. - - - grandis, *Macq.*

** Abdomen fuscum. - - - Malleolus, *Walk.*

iii. Alæ subfulvæ. - - - Alcetus, *Walk.*

B. Alæ subflavescentes, apice subcinereæ. - murinus, *Macq.*

C. Alæ subcinereæ, venis fulvo limbatis. - discutiens, *Walk.*

C. *Mystax niger*, albo varius.

A. Femora nigra.

A. Tibiæ posticæ nigræ. - - - australis, *Macq.*

B. Tibiæ posticæ pallidæ.

a. Tarsi postici testacei. - - - acutangulatus, *Macq.*

b. Tarsi postici nigri.

i. Alæ subflavescentes. - - - armatus, *Macq.*

ii. Alæ limpidæ. - - - Antilco, *Walk.*

iii. Alæ limpidæ, apice subfuscæ. - Margitis, *Walk.*

iv. Alæ subcinereæ aut cinereæ.

* Tarsi toti nigri.

† Abdomen tessellatum. - - - rudis, *Walk.*

†† Abdomen non tessellatum. - - - luctiferus, *Walk.*

- ** Tarsi basi rufi. - - - - Sicitus, *Walk.*
 v. Alæ cinereæ, apice subfuscescentes. fraternus, *Macq.*
B. Pedes ferruginei. - - - - Trachalus, *Walk.*
C. Femora rufa. - - - - Blasio, *Walk.*
D. Pedes rufi. - - - - inglorius, *Macleay.*
E. Pedes testacei; femora nigro vittata. - Alicis, *Walk.*
D. *Mystax flavus* aut *albo-flavus.*
A. Pedes nigricantes. - - - - mutilatus, *Walk.*
B. Femora castanea.
 a. Thorax nigro vittatus. - - - - Sydneensis, *Macq.*
 b. Thorax fusco vittatus. - - - - Hyagnis, *Walk.*
C. Femora rufa aut testacea.
 a. Thorax nigro vittatus.
 a. Thorax castaneus. - - - - rufiventris, *Macq.*
 b. Thorax albidus. - - - - Jacksonii, *Macq.*
 c. Thorax disco nigricante - - - - alligans, *Walk.*
 b. Thorax fusco vittatus.
 a. Abdomen nigrum, aurato fasciatum. caudatus, *Fabr.*
 b. Abdomen flavo-fuscum, apice nigrum. Centho, *Walk.*
 c. Thorax nigro cinereus, vittis tribus rubidis. plicatus. *Leach.*
E. *Mystax albus* aut *albidus.*
A. Femora nigro vittata. - - - - vittipes, *Macq.*
B. Femora non vittata.
 a. Thorax nigro vittatus. - - - - filiferus, *Macq.*
 b. Thorax fusco vittatus. - - - - planus, *Walk.*
 c. Thorax non vittatus. - - - - Amycla, *Walk.*

Group 1.

Fœm. Corpus parvum, gracile, hirtum. Caput subtus dense pilosum. Facies subconvexa. *Mystax* mediocris, dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lauceolatus, 1o paullo longior; arista 3o non longior. Thoracis latera setosa. Abdomen sublineare, thorace plus duplo longius, apice nitens compressum, alas paullo superans. Pedes gracillimi, parce spinosi, vix hirti.

Radial as usual. Subcostal vein forked at much beyond half the length; forks nearly straight. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Sub-anal joining the anal on the border.

Asilus villicatus, *Walk.*

Group 2.

Corpus magnum, parce hirtum. Caput subtus dense pilosum. Facies vix convexa. Mystax sat dense setosus. Proboscis brevis, crassa, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o æqualis; arista 2o duplo longior. Thorax utrinque et postice setosus. Abdomen depressum, alas non superans, thorax vix duplo longius. Pedes validi, spinosi, parce hirti. *Mas.*—Abdomen lineare. Sexualia parva, arcuata. *Fem.*—Abdomen oblanceolatum, apice subcompressum.

Cubital vein forked at very much beyond half its length; forks slightly curved. First externo-medial much curved near the base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very far from the border.

Asilus Pelago, Walk.

Group 3.

Mas.—Corpus longiusculum, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax sat dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us 1o paullo brevior; arista 3o vix brevior. Thoracis latera et scutellum parce setosa. Abdomen sublineare, thorace plus duplo longius, alas longe superans. Sexualia parva. Pedes robusti, spinosi, hirti. Alæ breviusculæ.

Radial as usual. Cubital vein forked at very much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth close to the border. Subanal joining the anal close to the border.

Asilus Blasio, Walk.

Group 4.

Corpus magnum, aut mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o æqualis; arista 3o paullo brevior. Thorax pubescens; latera et scutellum parce setosa. Abdomen longi-oblanceolatum. Pedes robusti, spinosi, parce hirti. *Mas.*—Abdomen alas paullo superans. Sexualia parva; forceps brevissimus. Alæ apud costam subdilatatæ. *Fem.*—Abdomen alas non superans, apice obtusum, non compressum nec attenuatum.

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial vein much curved near its base; second straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Sydneensis, *Macq.* *A. Alcetus*, *Walk.*

Group 5.

Mas. Corpus parvum. Caput subtus pilosum. Facies convexa. Mystax magnus, densus, ad antennis ascendens. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o multo longior; arista valida, 3o multo brevior. Thoracis dorsum densissime hirtum. Abdomen sublineare, thorace vix duplo longius, alas non superans. Sexualia parva. Pedes validi, spinosi; antici hirti.

Radial vein slightly undulating towards the tip. Cubital forked at much beyond half its length; forks hardly undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Asilus rudis, *Walk.*

Group 6.

Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o longior; 3us longi-lanceolatus, 1o multo longior; arista 3o æqualis. Thoracis latera et scutellum setosa. Abdomen oblanceolatum, pilosum, apicem versus fere nudum, thorace fere duplo longius, alas non superans. Sexualia parva; forceps crassus, arcuatus. Pedes robusti, hirti, spinosi.

Radial vein joining the subcostal at far from the tip of the latter. Cubital forked at very much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved at its base; second nearly straight; third much curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Malleolus, *Walk.*

Group 7.

Mas. Corpus parvum, gracile, longiusculum, fere nudum. Caput subtus pilosum. Facies fere plana. Mystax parce setosus.

Proboscis gracilis, sublanceolata. Thoracis et abdominis latera setis paucis. Abdomen sublineare, thorace fere triplo longius. Sexualia parva; forceps analis, latus, arcuatus. Pedes validi, spinosi, fere nudi; femora subincrassata.

Radial vein curved at its tip. Cubital vein forked at very much beyond half its length; fore fork almost straight; hind fork slightly undulating. First and second externo-medial veins nearly straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth close to the border. Subanal joining the anal on the border.

Asilus Jacksonii, Macq.

Group 8.

Mas. Corpus majusculum, fere nudum. Caput subtus dense pilosum. Facies subconvexa. Mystax sat dense setosus, antennis non attingens. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o æqualis; arista 3o multo longior. Thoracis latera rarissime setosa. Abdominis dimidium fere basale pilosum, alas paullo superans. Sexualia parva; forceps arcuatus. Pedes sat graciles, rarissime spinosi, subpubescentes.

Radial vein straight, joining the subcostal at a short distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork much curved at its base; hind fork slightly undulating. First externo-medial very much curved at its base; second straight; third slightly curved, forming a hardly obtuse angle with the præbrachial, joining the fourth at far from the border. Subanal joining the anal far from the border.

Asilus Centho, Walk.

Group 9.

Corpus maximum, pubescens. Caput subtus densissime pilosum. Facies antice convexa. Mystax densissime setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o multo brevior; arista 3o multo longior. Thoracis latera setis paucis. Pedes robusti, hirti, spinosi. *Mas.*—Abdomen alas paullo superans. Sexualia mediocria. *Fœm.*—Abdomen alas vix superans, usque ad apicem pubescens.

Radial vein nearly straight, joining the subcostal at a considerable distance from the tip of the latter. Cubital forked at very much beyond its middle; fore fork hardly curved; hind fork undulating. First externo-medial very much curved near its base;

second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth at very far from the border. Subanal joining the anal far from the border. *Male*.—Costa convex beyond the middle, where the fore areolets are dilated and furnished with transverse ribs.

Asilus plicatus, *Leach*.

Group 10.

Fæm. Corpus magnum, breviter hirtum. Caput subtus densissime pilosum. Facies subconvexa. Mystax sat magnus, setis longis densis. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix longior; arista 3o multo longior. Thoracis abdominisque latera pure setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice vix compressum. Pedes robusti, hirti, spinosi; femora crassa.

Cubital vein forked at very much beyond half its length; forks hardly undulating, their tips diverging. First externo-medial much curved near its base; second almost straight; third curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather far from the border.

Asilus Amycla, *Walk*.

Group 11.

Mas. Corpus magnum. Caput subtus dense pilosum. Facies convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o multo longior; 3us lanceolatus 1o longior; arista 3o æqualis. Thorax hirtus; latera et scutellum parce setosa. Abdomen oblanceolatum, subpilosum, thorace fere duplo longius, alas paullo superans. Sexualia mediocria; forceps longus, gracilis, arcuatus. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus inglorius, *Macleay*; *A. alligans*, *Walk*.

233. ASILUS VILLICATUS.

Asilus villicatus, *Diptera Saundersiana*, Pt. 2, 147.

New South Wales.

234. ASILUS OBUMBRATUS.

Asilus obumbratus, *Diptera Saundersiana*, Pt. 2, 145.
New South Wales.

235. ASILUS LATICORNIS.

Niger, cinereo tomentosus; mystax flavido varius; antennæ articulo 3o lato; abdomen incisuris albidis; alæ cinereæ, apice subfuscæ.

Asilus laticornis, *Macq. Dipt. Exot. Suppl.* 1, 91, 49, pl. 8, f. 14.
Tasmania.

236. ASILUS PELAGO.

Asilus Pelago, *Cat. of Diptera*, Pt. 2, 419.
New Holland.

237. ASILUS EXILIS.

Mas. Ater, gracilis; abdominis segmenta 2um 3um 4umque albo marginata; tibiæ tarsique rufa; alæ subflavescentes, venis transversis fusco marginatis.

Asilus exilis, *Macq. Dipt. Exot.* i. 2, 145, 27.
Kangaroo Island, New Holland.

238. ASILUS MARICUS.

Asilus Maricus, *Diptera Saundersiana*, Pt. 2, 141.
Port Philip.

239. ASILUS CÆDICIVS.

Asilus Cædicivus, *Cat. of Diptera*, Pt. 2, 457.
New Holland.

240. ASILUS RUBRITHORAX.

Fœm. Cinereus; thorax rubidus, nigro vittatus; pedes castanei, tarsi nigri; alæ fuscæ.

Asilus rubrithorax, *Macq. Dipt. Exot.* i. 2, 143, 21.
New Holland.

241. ASILUS TASMANIÆ.

Mas. Flavescens; thorax nigro vittatus; abdomen pedesque testacea; femora apice tarsique nigra; alæ fuscæ, ad costam convexæ.

Asilus Tasmaniæ, *Macq. Dipt. Exot.* i. 2, 145, 26.
Hobart Town.

242. ASILUS GIGANTEUS.

Cinereus; thorax testaceo vittatus; abdomen fulvo pubescens; pedes testacei, tarsi nigris; alæ cinereo-fuscæ, maris dilatatæ.

Asilus giganteus, *Macq. Dipt. Exot. Suppl.* 2, 43, 57, pl. 1, f. 9.
Tasmania.

243. ASILUS NIGRITARSIS.

Facies albido-flava; mystax albido-flavus, nigro varius; antennæ nigræ, articulo 3o elongato; thorax vittis nigris; intermedia divisa; abdomen rufo testaceum, basi fuscum; pedes rufi, genibus tarsisque nigris; alæ subfuscescentes.

Asilus nigritarsis, *Macq. Hist. Nat. Dipt.* i. 304, 5.
Hobart Town. New Guinea.

244. ASILUS GRANDIS.

Fcem. Testaceus; mystax flavidus; thorax nigro vittatus; abdomen fulvum; tibiæ posticæ flavæ; tarsi nigri; alæ flavo fuscescentes.

Asilus grandis, *Macq. Dipt. Exot. Suppl.* 3, 30, 63, pl. 3, f. 4.
New Holland.

245. ASILUS MALLEOLUS.

Asilus Malleolus, *Cat. of Diptera*, Pt. 2, 418.

a, b. Van Dieman's Land. Presented by the late E. Janson, Esq

246. ASILUS ALCETAS.

Asilus Alcetas, *Cat. of Diptera*, Pt. 2, 425.

Van Dieman's Land.

247. ASILUS MURINUS.

Cinereus; thorax flavescens; pedes rufi, tarsi nigris; alæ hyalinae, subflavescentes, apice subcinereæ.

Asilus murinus, *Macq. Dipt. Exot.* i. 2, 144, 24.
New Holland.

248. ASILUS DISCUTIENS.

Asilus discutiens, *Diptera Saundersiana*, Pt. 2, 135.
New Holland.

249. ASILUS AUSTRALIS.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris cinereis*; *tibiæ testaceæ, posticæ nigre*; *alæ subcinereæ*.

Asilus australis, *Macq. Dipt. Exot. Suppl. 2, 44, 59.*

New Holland.

250. ASILUS ACUTANGULATUS.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris albis*; *tarsi postici tibiæque testaceæ*; *alæ hyalinæ*.

Asilus acutangulatus, *Macq. Dipt. Exot. Suppl. 2, 44, 60.*

Tasmania.

251. ASILUS ARMATUS.

Fœm. *Niger*; *mystax subtus albus*; *thorax cinereus, vittis nigris*; *abdomen incisuris cinereis*; *tibiæ testaceæ, femora antica spinosa*; *alæ subflavescentes*.

Asilus armatus, *Macq. Dipt. Exot. Suppl. 1, 9, 47, pl. 8, f. 17*; *Suppl. 2, 45.*

New Holland. Tasmania.

252. ASILUS ANTILCO.

Asilus Antilco, *Cat. of Diptera, Pt. 2, 458.*

Port Stephen.

253. ASILUS MARGITIS.

Asilus Margitis, *Cat. of Diptera, Pt. 2, 461.*

Asilus Cædicius, var. ?

a. Melbourne, Australia. From Mr. Baly's collection.

254. ASILUS RUDIS.

Mas. *Cinereus*; *caput subtus albido pilosum*; *mystax niger, setis nonnullis inferioribus albis*; *thoracis discus nigro-fuscus*; *abdomen nigro-fusco tessellatum*; *tibiæ rufescentes, apices versus nigricantes*; *alæ subcinereæ*.

Male. Cinereous. Head whitish in front, clothed with whitish hairs beneath. *Mystax* black, with a few white bristles beneath. *Antennæ* black. Disk of the thorax blackish brown, indistinctly striped. Abdomen tessellated with blackish brown. *Sexualia* black, shining, with white hairs beneath. Legs black, with black

and whitish spines, slightly hairy; tibiæ reddish, black towards the tips. Wings slightly gray; veins black, tawny at the base. Halteres tawny. Length of the body 5 lines; of the wings 8 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

255. ASILUS LUCTIFERUS.

Asilus luctiferus, *Diptera Saundersiana*, Pt. 2, 144.

Van Dieman's Land.

256. ASILUS ELICITUS.

Asilus elicitus, *Diptera Saundersiana*, Pt. 2, 139.

New South Wales.

257. ASILUS FRATERNUS.

Fœm. *Niger*; *mystax niger*, *setis nonnullis inferioribus albis*; *thorax albido vittatus, lateribus cinereis*; *abdomen incisuris setisque lateralibus albis*; *tibiæ testaceæ, apice nigræ*; *alæ cinereæ, apice subfuscescentes*.

Asilus fraternus, *Macq. Dipt. Exot. Suppl.* 1, 91, 48.

Tasmania.

258. ASILUS TRACHALUS.

Asilus Trachalus, *Diptera Saundersiana*, Pt. 2, 143.

Van Dieman's Land.

259. ASILUS BLASIO.

Asilus Blasio, *Cat. of Diptera*, Pt. 2, 441.

West Australia.

260. ASILUS INGLORIUS.

Obscure luteus; *mystax albidus, supra niger*; *abdomen basi flavo hirsutum*; *pedes rufi, genubus tarsisque nigris*; *alæ flavo hyalinæ, apice obscuriores*.

Asilus inglorius, *Macleay, King's Narr. Surv. Austral.* ii. 467, 182.

Australia.

261. ASILUS ALICIS.

Niger, albo hirtus, nigro setosus; *mystax albus, supra niger*; *antennæ basi testaceæ*; *pedes testacei, femoribus nigro vittatis*; *alæ subcinereæ*.

Black, clothed with white hairs and black bristles. Epistoma slightly prominent, rather thickly beset with white bristles, above which there are a few black bristles. First and second joints of the antennæ testaceous. Legs testaceous, a black stripe on each of the femora; tips of tarsi black. Wings slightly gray; veins black, testaceous at the base. Halteres yellow. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

a. New Holland.

262. ASILUS MUTILATUS.

Cinereus, testaceo pilosus; caput et pectus albida; mystax testaceus; antennæ nigrae; thorax indistincte vittatus; abdomen apice nigrum; pedes nigricantes, testaceo hirti, albido spinosi; alæ subcinereæ, apice obscuriores, venis basi fulvis.

Cinereous, with testaceous hairs. Head and pectus whitish. Mystax testaceous. Antennæ black. Thorax with three indistinct stripes. Abdomen with a black tip. Legs blackish, with testaceous hairs and whitish spines. Wings grayish, with darker tips; veins black, tawny at the base. Halteres testaceous. Length of the body $7\frac{1}{2}$ lines; of the wings 9 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

263. ASILUS SYDNEENSIS.

Mas. Flavo-cinereus; thorax nigro vittatus; abdomen pedesque castanea, tarsi nigri; alæ flavæ, subdilatatæ, apice et margine postico subfuscis.

Asilus Sydneensis, Macq. Dipt. Exot. i. 2, 144, 11.

Var. Asilus Amythaon, Cat. of Diptera, Pt. 2, 423.

Var. ? Asilus Maso, Cat. of Diptera, Pt. 2, 424.

New Holland.

264. ASILUS HYAGNIS.

Asilus Hyagnis, Diptera Saundersiana, Pt. 2, 139.

New South Wales.

265. ASILUS RUFIVENTRIS.

Castaneus; thorax nigro vittatus; abdomen rufum; femora testacea; tibiæ rufæ; tarsi nigri; alæ flavæ.

Asilus rufiventris, Macq. Dipt. Exot. i. 2, 144, 22.

New Holland.

266. ASILUS JACKSONII.

Fœm. *Albidus; thorax nigro vittatus; abdomen fuscum, segmento 7o ferrugineo, ano depresso; pedes rufi, tarsis nigris; alæ pallide flavescens, apice cinereæ.*

Asilus Jacksonii, *Macq. Dipt. Exot. i. 2, 145, 25.*

Port Jackson, New Holland.

267. ASILUS ALLIGANS.

Mas. *Rufescens; caput subtus albo pilosum; mystax testaceus; thoracis et pectoris disci nigricantes; abdomen basi nigricans, apice nigrum; pedes rufi, tibiis apice tarsisque nigris; alæ cinereæ.*

Male. Reddish. Head beneath and coxæ with white hairs. *Mystax* testaceous. First and second joints of the antennæ reddish. Thorax and pectus with blackish disks; thorax with three hoary stripes; pectus with hoary tomentum. Abdomen towards the base black, and clothed with hoary hairs; tip black. Legs red; tarsi and tips of the tibiæ black. Wings gray. Length of the body 13 lines; of the wings 20 lines.

a. Van Dieman's Land. Presented by Morton Allport, Esq.

268. ASILUS CAUDATUS.

Fœm. *Flavidus; mystax flavescens; antennæ nigre; thorax fusco vittatus; abdomen nigrum, urato fasciatum; pedes dilute mellei; alæ subflavescens, apice fuscescentes.*

Dasygogon caudatus, *Fabr. Syst. Antl. 171, 33.*

Asilus caudatus, *Wied. Dipt. Exot. i. 191, 15; Auss. Zweifl. i. 444, 30.*

New South Wales.

269. ASILUS CENTHO.

Asilus Centho, *Cat. of Diptera, Pt. 2, 431.*

New Holland.

Var. ? Male. Black. Head clothed beneath and in front with white hairs; epistoma red, prominent, beset with white bristles; first and second joints of the feelers ferruginous, clothed with white hairs; third spindle-shaped; style very short; chest and breast red, the former with three broad black stripes; abdomen dull black, narrower than the chest, and about twice its length, slightly tapering

from the base to the tip; legs red, clothed with white hairs and bristles, a gray stripe on each thigh; wings slightly gray, with gray tips; veins black; poisers yellow, with pitchy knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

270. ASILUS PLICATUS.

Asilus plicatus, Leach; Wied.

New Holland.

271. ASILUS VITTIPES.

Mystax albus; thorax cinereus vittis fuscis; abdomen maris cinereum trifariam fusco maculatum; fœmina fuscum, incisuris cinereis; pedes fulvi, femoribus tibiisque nigro vittatis; alæ subhyalinæ.

Asilus vittipes, Macq. Dipt. Exot. Suppl. 2, 43, 58.

Tasmania.

272. ASILUS FILIFERUS.

Mas. *Mystax albidus*; thorax flavido tomentosus, vittis nigris; abdomen incisuris flavidis; pedes flavi; alæ flavidæ, apice subfuscæ.

Asilus filiferus, Macq. Dipt. Exot. Suppl. 1, 92, 50, pl. 8, f. 8.

Sydney Isle, Oceania.

273. ASILUS PLANUS.

Cinereus; antennæ nigræ, basi rufescentes; mystax albedo setosus; thorax fusco trivittatus; abdomen supra cervinum, vitta dorsali fusca; pedes rufi, tarsis nigris; alæ subcinereæ, venis fusco sublimbatis.

Fem. Cinereous. Head whitish in front and beneath, clothed with whitish hairs. *Mystax* with whitish bristles. Antennæ black, reddish towards the base. Thorax with three broad brownish stripes, the lateral pair obliquely interrupted. Abdomen fawn-colour above, with a brown dorsal stripe; first, second and third segments with gilded hairs on each side. Legs red; tarsi and hind knees black. Wings slightly grayish, with a pale brownish tinge in front and along the veins; veins and halteres tawny. Length of the body 11 lines; of the wings 18 lines.

a. Australia. From Mr. Stevens' collection.

274. ASILUS AMYCLA.

Asilus Amycla, Cat. of Diptera, Pt. 2, 423.

New Holland.

New Zealand.

A. <i>Mystax niger</i> .	-	-	-	-	-	-	-	varius, <i>White</i> .
B. <i>Mystax niger</i> , albo varius.	-	-	-	-	-	-	-	Bulbus, <i>Walk</i> .
C. <i>Mystax albus</i> .	-	-	-	-	-	-	-	Lascus, <i>Walk</i> .

Group I.

Corpus vix mediocre. Caput subtus dense pilosum. Facies convexa. *Mystax* dense setosus. Proboscis sublinearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus 1o æqualis; arista 3o paullo longior. Thorax hirtus; latera setosa. Abdomen thorace plus duplo longius, alas vix superans. Pedes validi, spinosi, parce hirti. *Mas.*—Abdomen sublineare. Sexualia mediocria tumida. *Fam.*—Abdomen oblanceolatum, triente apicali compressa lævi nitida.

Cubital vein forked at rather before two-thirds of its length; forks very slightly curved, diverging from each other. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus varius, *White*.

Group 2.

Corpus gracile, fere nudum. Caput subtus parce pilosum. Facies plana. *Mystax* minimus, setis paucissimis. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o multo brevior. Thoracis et abdominis latera parce setosa. Thorax brevis. Abdomen thorace plus duplo longius, alas non superans. Pedes graciles, parum setosi, fere nudi. Alæ longiusculæ. *Mas.*—Abdomen sublineare. Sexualia minima. *Fam.*—Abdomen sublanceolatum, apice compresso lævi nitido.

Cubital vein forked at rather beyond half its length; forks nearly straight, slightly diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Lascus, *Walk*.

275. *ASILUS VARIUS*.

Asilus varius, *Cat. of Diptera*, Pt. 2, 457.

a, b. New Zealand. Presented by Dr. Sinclair.

c. Auckland, New Zealand. Presented by Col. Bolton.

276. ASILUS BULBUS.

Asilus Bulbus, *Cat. of Diptera*, Pt. 2, 465.
Asilus varius, *Var.?*

277. ASILUS LASCUS.

Asilus Lascus, *Cat. of Diptera*, Pt. 2, 466.

a, b. New Zealand. Presented by Dr. Sinclair.

c. New Zealand. Presented by Dr. Hooker.

d. Auckland, New Zealand. Presented by Col. Bolton.

Country unknown.

Group 1. LOPHONOTUS.

278. ASILUS BREVIPENNIS.

Mas. Ater, albo pubescens; abdomen maculis trigonis nigris, alæ breves subfuscæ, vena cubitali et externo-media la conjunctis.

Lophonotus brevipennis, *Macq. Dipt. Exot. i. 2, 130, 11.*

A. *Mystax niger*.

A. Femora nigra.

a. Alæ nigro-fuscæ. - - - - Corissus, *Walk.*

b. Alæ subfuscæ, apice cinereæ. - Tamphilus, *Walk.*

c. Alæ limpida. - - - - Echepolis, *Walk.*

B. Femora rufa, nigro vittata. - - - - Sophus, *Walk.*

B. *Mystax niger, fulvo, aut flavo varius.*

A. Pedes nigri. - - - - Gorgasus, *Walk.*

a. Femora nigra aut nigro-cinerea.*a.* Alæ subfuscæ.

i. Thorax fuscus, nigro vittatus. dioctriæformis, *Macq.*

ii. Thorax canus, vittis cinereis. - Triopas, *Walk.*

b. Alæ subfulvæ, apice cinereæ. - Halmus, *Walk.*

c. Alæ hyalinæ, apice subfuscæ. - micropterus, *Macq.*

B. Pedes picei, fulvo vittati. - - - - Vibulamus, *Walk.*

c. Femora picea.

a. Alæ fulvæ, areolarum discis sublimpidis. Antiorus, *Walk.*

b. Alæ fusco-fulvæ. - - - - Corymeta, *Walk.*

D. Femora rufa, supra nigra. - - - - terebratus, *Macq.*

E. Femora rufa. - - - - Eanes, *Walk.*

F. Femora mellea. - - - - melleus, *Macq.*

- C. *Mystax niger, albo varius.*
 A. *Pedes nigri.* - - - - - *Penarius, Walk.*
 B. *Femora nigra.* -
 A. *Alæ subfusæ.*
 a. *Antennæ basi ferrugineæ.* - - - - - *Corythus, Walk.*
 b. *Antennæ totæ nigrae.* - - - - - *Ochesius, Walk.*
 B. *Alæ subcinereæ.* - - - - - *Coras, Walk.*
 C. *Femora rufa, nigro vittata.* - - - - - *Balacrus, Walk.*
- D. *Mystax flavus, aut flavo-albus.*
 A. *Alæ maculatæ.* - - - - - *Hercules, Wied.*
 B. *Alæ non maculatæ.*
 A. *Pedes nigro-ænei.* - - - - - *inumbratus, Walk.*
 B. *Femora rufa, nigro vittata.* - - - - - *rufipes, Macq.*
 c. *Femora rufa, non vittata.*
 a. *Thorax cinereo canescens.* - - - - - *Virgo, Wied.*
 b. *Thorax fulvus, vittis quatuor obscurioribus.*
Thimbro, Walk.
- E. *Mystax albus.*
 A. *Alæ flavescentes, apice subfusæ.* - - - - - *ochripes, Macq.*
 B. *Alæ limpidæ.* - - - - - *Dasius, Walk.*

Group 1.

Mas. Corpus magnum. Caput subtus densissime setosum. Facies convexa. *Mystax* dense setosus, sat magnus. Proboscis lanceolata. Antennarum articulus 1ns 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o longior. Thoracis latera parce setosa. Abdomen sublineare, thorace duplo longius, alas vix superans, basim versus pilosum. Sexualia parva; forceps rectus sublinearis. Pedes validi, spinosi, parce hirti.

Allied to *Erax*. Cubital vein forked at about half its length; forks hardly undulating; fore fork almost angular near its base. First and second externo-medial veins indistinctly undulating; third curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Corissus, Walk.

Group 2.

Mas. Corpus angustum, subpubescens. Caput subtus dense pilosum. Facies parum convexa. *Mystax* vix dense setosus. Proboscis lanceolata. Thoracis latera et scutellum subsetosa. Abdomen thorace duplo longius. Sexualia parva. Pedes validi, pilosi, spinosi.

Radial as usual. Cubital vein forked at very much beyond half its length; forks hardly undulating. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal at a short distance from the border.

Asilus Tamphilus, *Walk.*

Group 3.

Corpus parvum, *hirtum*. *Caput subtus dense pilosum*. *Facies subconvexa*. *Mystax dense setosus*, *ad antennas non ascendens*. *Proboscis lanceolata*. *Antennarum articulus 1us 2o duplo longior*; *3us lanceolatus*, *1o æqualis*; *arista 3o paullo longior*. *Thoracis latera setosa*. *Abdomen oblanceolatum*, *thorace plus duplo longius*, *alas paullo superans*, *basim versus præsertim pilosum*. *Sexualia parva*; *forceps subarcuatus*. *Pedes sat validi, hirti, spinosi*.

Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Echepolis, *Walk.*

Group 4.

Mas. *Corpus mediocre, hirtum*. *Caput subtus densissime pilosum*. *Facies convexa*. *Mystax densissime setosus*, *antennas non attingens*. *Proboscis gracilis, sublanceolata*. *Thoracis latera et scutellum setosa*. *Abdomen sublineare, alas non superans*. *Sexualia mediocria*; *forceps crassus, arcuatus*. *Pedes pilosi, setosi, sat graciles*.

Veins of the wings like those of *Asilus Balacrus*.

Asilus Sophus, *Walk.*

Group 5.

Fæm. *Corpus mediocre, hirtum*. *Caput subtus densissime pilosum*. *Facies convexa*. *Mystax magnus, densissime setosus*. *Proboscis sublanceolata*. *Antennarum articulus 1us 2o duplo longior*; *3us lanceolatus*, *1o paullo longior*; *arista 3o non longior*. *Thoracis latera et scutellum setosa*. *Abdomen oblanceolatum, thorace non duplo longius, alas non superans, apice compressum acuminatum*. *Pedes robusti, hirti, spinosi*.

Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Gorgasus, Walk.

Group 6.

Mas. Corpus mediocre, dense hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax magnus, densissime setosus, fere ad antennas ascendens. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera setosa. Abdomen thorace multo longius. Sexualia parva; forceps brevis, crassus, arcuatus. Pedes robusti, spinosi, densissime pilosi.

Radial as usual. Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal near the border.

Asilus Triopas, Walk.

Group 7.

Fæm. Corpus vix mediocre, fere nudum. Caput subtus dense pilosum. Facies convexa. Mystax sat dense setosus. Proboscis sublanceolata. Thoracis latera setosa. Abdomen oblanceolatum, basi utrinque fasciculatum, apice compressum, abdomen superans. Pedes robusti, spinosi, non hirti.

Radial as usual. Cubital vein forked at rather beyond half its length; forks hardly curved, diverging from each other. First and second externo-medial veins straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Halmus, Walk.

Group 8.

Fæm. Corpus mediocre, sat longum. Corpus subtus dense pilosum. Facies parum convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo

longior; 3us sublanceolatus, 1o æqualis; arista 3o longior. Thoracis latera parce setosa. Abdomen oblanceolatum, apice compressum, alas paullo superans. Pedes sat graciles, parce spinosi, vix hirti.

Allied to *Erax*. Radial as usual. Cubital vein forked at hardly beyond half its length; forks hardly undulating; fore fork forming at its base an obtuse angle, which emits a little branch; the latter is about one-third of the length of the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Vibulanus, *Walk.*

Group 9.

Mas. Corpus maximum, subpubescens. Caput subtus densissime pilosum. Facies convexa. Mystax dense setosus, antennas non attingens. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o multo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes validi, spinosi, pubescentes.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly curved; hind fork slightly curved forward. First externo-medial slightly curved near its base; second straight; third straight, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Antiorus, *Walk.*

Group 10.

Mas. Corpus magnum, longiusculum, subpubescens. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus, antennas non attingens. Proboscis lanceolata, sat gracilis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera, scutellum et abdomen basi setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes sat graciles, spinosi, pubescentes.

Radial vein almost straight, joining the subcostal rather far from the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly curved forward.

First externo-medial slightly curved near its base; second straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Corymeta, *Walk.*

Group 11.

Corpus maximum, parce hirtum. Caput subtus pilosum. Facies valde convexa. Mystax vix dense setosus. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o fere triplo longior. Thorax setis nonnullis lateralibus et posticis. Pedes validi, spinosi, hirti.

Cubital vein forked at rather beyond half its length; fore fork almost straight; hind fork slightly undulating. First externo-medial vein very slightly curved; second straight, slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Eanes, *Walk.*

Group 12.

Fem. Corpus mediocre, fere nudum. Caput subtus densissime pilosum. Facies subconvexa. Mystax parvus, densissime setosus. Proboscis sublinearis. Thoracis dorsum et latera parce setosa. Abdomen oblanceolatum, apice nitens vix compressum, alas paullo superans. Pedes sat validi, spinosi, fere nudi.

Radial as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Penarius, *Walk.*

Group 13.

Fem. Corpus mediocre, subpubescens. Caput subtus dense pilosum. Facies plana. Mystax densissime setosus, antennas fere attingens. Proboscis sublinearis. Thoracis latera et scutellum subsetosa. Abdomen longiusculum, oblanceolatum, thorace plus duplo longius, alas superans, apicem versus subcylindricum. Pedes graciles, breviter spinosi.

Radial as usual. Cubital vein forked at a little before half its length; forks very near each other for one-third of the length from the base, after which the hind fork diverges, but again approaches the fore fork near their tips; fore fork angular at its base. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal rather far from the border.

Asilus Corythus, *Walk.*

Group 14.

Fæm. Corpus parvum, parce hirtum. Caput subtus dense pilosum. Facies convexa. Mystax dense pilosus, mediocris. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o non longior; arista 3o brevior. Thoracis latera setosa.

Abdomen oblanceolatum, thorace duplo longius, apicem versus compressum. Pedes sat graciles, parce setosi, non hirti. Cubital vein forked at much beyond half its length; fore fork almost straight; hind fork slightly undulating. Externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Ochsius, *Walk.*

Group 15.

Fæm. Corpus vix mediocre, fere nudum. Caput subtus dense pilosum. Facies apud epistoma subconvexa. Mystax setis paucis. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o fere duplo longior; 3us longiconicus, 1o æqualis; arista 3o non longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice compresso lævi nitido. Pedes sat graciles, parce spinosi, vix hirti.

Radial vein as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First and second externo-medial veins straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Coras, *Walk.*

Group 16.

Corpus mediocre, latiusculum, hirtum. Caput subtus dense pilosum. Facies parum convexa. Mystax raro setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 1o paullo longior. Thoracis latera et scutellum setosa. Pedes robusti, subpubescentes, raro spinosi; metatarsi latiusculi.

Radial as usual. Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; first curved at the base; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather near the border.

Asilus Sophus, *Walk.*; *A. Balacrus*, *Walk.*

Group 17.

Corpus gracile, mediocre, fere nudum. Caput subtus pilosum. Facies plana. Mystax parvus, setis paucis apud epistoma. Mystax gracilis, sublinearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o multo brevior; arista 3o duplo longior. Thorax breviter et parce hirtus; latera et scutellum parce setosa. Abdomen thorace plus duplo longius, alas superans; incisuræ lateribus parce setosis. Pedes nudi, sat validi, parce spinosi. *Mas.*—Abdomen lineare. Sexualia minima. *Fœm.*—Abdomen apicem versus oblanceolatum, apice compresso lævi nitido.

Cubital vein forked at much beyond half its length; forks very slightly undulating, their tips diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Thimbro, *Walk.*

Group 18.

Corpus mediocre, fere nudum. Caput latum, subtus parce pilosum. Facies fere plana. Mystax parvus, setis paucis. Proboscis sublinearis. Antennarum articulus 1us 2o triplo longior; 3us lanceolatus, 1o paullo brevior; arista brevissima. Thoracis latera vix setosa. Pedes validi, spinosi, non hirti.

Cubital vein forked at much beyond half its length; forks nearly straight. Externo-medial veins nearly straight; third form-

ing an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very near the border.

Asilus Dasius, *Walk.*

279. *ASILUS CORISSUS.*

Asilus Corissus, *Cat. of Diptera*, Pt. 2, 464.

280. *ASILUS TAMPHILUS.*

Asilus Tamphilus, *Cat. of Diptera*, Pt. 2, 440.

281. *ASILUS ECHEPOLIS.*

Asilus Echepolis, *Cat. of Diptera*, Pt. 2, 459.

282. *ASILUS SOPHUS.*

Asilus Sophus, *Cat. of Diptera*, Pt. 2, 435.

283. *ASILUS GORGASUS.*

Asilus Gorgasus, *Cat. of Diptera*, Pt. 2, 422.

284. *ASILUS DIOCTRIÆFORMIS.*

Mas. Niger; mystax fulvo varius; facies longa angusta; thorax fuscus, vittis nigris; abdomen elongatum; tibiæ testaceæ; alæ subfusca.

Asilus dioctriæformis, *Macq. Dipt. Exot. Suppl.* 1, 90, 46, pl. 8 f. 13.

285. *ASILUS TRIOPAS.*

Asilus Triopas, *Cat. of Diptera*, Pt. 2, 444.

286. *ASILUS HALMUS.*

Asilus Halmus, *Cat. of Diptera*, Pt. 2, 446.

287. *ASILUS MICROPTERUS.*

Fœm. Ater; flavo hirtus; femora viridescencia; tibiæ testaceæ, posticæ subtus nigricantes, anticæ hirsutæ; tarsi fusci; alæ breves hyalinæ, apice fusca.

Asilus micropterus, *Macq. Dipt. Exot.* i. 2, 151, 41.

288. ASILUS VIBULANUS.

Asilus Vibulanus, *Cat. of Diptera*, Pt. 2, 438.

289. ASILUS ANTIORUS.

Asilus Antiorus, *Cat. of Diptera*, Pt. 2, 414.

290. ASILUS CORYMETA.

Asilus Corymeta, *Cat. of Diptera*, Pt. 2, 415.

291. ASILUS TEREBRATUS.

Fœm. *Ater; thorax flavidus, nigro vittatus; abdominis segmenta rufa marginata; terebra longa; pedes rufi, supra tarsisque nigri; alæ flavescentes, postice subfuscæ.*

Asilus terebratus, *Macq. Dipt. Exot.* i. 2, 149, 37.

Exotic?

292. ASILUS EANES.

Asilus Eanes, *Cat. of Diptera*, Pt. 2, 417.

293. ASILUS MELLEUS.

Fœm. *Rubidus; facies argentata; antennæ nigræ, basi fusco-fulvæ; thorax nigro vittatus; abdomen nigricans, incisuris albidis; pedes mellei; alæ hyalinæ.*

Asilus melleus, *Macq. Dipt. Exot.* i. 2, 151, 42.

294. ASILUS PENARIUS.

Asilus Penarius, *Cat. of Diptera*, Pt. 2, 439.

295. ASILUS CORYTHUS.

Asilus Corythus, *Cat. of Diptera*, Pt. 2, 440.

296. ASILUS OCHESIUS.

Asilus Ochesus, *Cat. of Diptera*, Pt. 2, 461.

297. ASILUS CORAS.

Asilus Coras, *Cat. of Diptera*, Pt. 2, 445.

298. ASILUS BALACRUS.

Asilus Balacrus, *Cat. of Diptera*, Pt. 2, 442.

299. ASILUS HERCULES.

Cinereus; *mystax flavo-albus*; *antennæ nigrae*; *thorax vittis nigricantibus*; *abdomen flavidum*; *pedes ferruginosi*; *alæ flavescentes*, *plaga fuscana*.

Asilus Hercules, *Wied. Auss. Zweifl.* i. 425.

300. ASILUS INUMBRATUS.

Asilus inumbratus, *Diptera Saundersiana*, Pt. 2, 134.

301. ASILUS RUFIPES.

Mas. Cinereus; *pedes rufæ*, *femoribus intus nigris*; *alæ hyalinae*, *subflavescentes*, *areolis posticis ad discos cinereis*.

Asilus rufipes, *Macq. Dipt. Exot.* i. 2, 150, 38.

302. ASILUS VIRGO.

Fœm. Cinereo-canescens; *mystax pallide flavescens*; *antennæ nigricantes*; *thorax late vittatus*, *abdomen subtessellatum*; *pedes rubidi*, *femoribus tibiisque apice nigris*; *alæ limpidæ*.

Asilus Virgo, *Wied. Auss. Zweifl.* i. 446, 32.

303. ASILUS THIMBRO.

Asilus Thimbro, *Cat. of Diptera*, Pt. 2, 460.

304. ASILUS OCHRIPIPES.

Fœm. Flavido-cinereus; *abdomen cinereum*; *pedes rufi*, *tarsis apice nigris*; *alæ flavescentes*, *apice subfusca*.

Asilus ochripes, *Macq. Dipt. Exot.* i. 2, 150, 40.

305. ASILUS DASIUS.

Asilus Dasius, *Cat. of Diptera*, Pt. 2, 462.

306. ASILUS? GROSSUS.

Niger, *hirsutus*; *caput antice*, *thorax et abdomen basi cinerea*; *thorax punctis duabus posticis flavis*; *alæ cinereæ*, *venis fuscis*.

Asilus grossus, *Fabr. Syst. Antl.* 498, 113. *Wied. Auss. Zweifl.* i. 498, 113.

America.

307. ASILUS? MAURUS.

Subferrugineus; antennæ ferruginæ; thorax vittis tribus dorsalibus pectusque punctis lateralibus nigris; abdominis segmenta fusco marginata.

Asilus maurus, *Linn. Fabr. Ent. Syst.* iv. 376, 2; *Syst. Antl.* 153, 2. *Wied. Auss. Zweifl.* i. 499, 114.

North Africa.

Genus 8. POLYPHONIUS.

Antennarum arista nuda, crassa; articulus 1us 2o multo brevior. Femora intermedia incrassata; tibiæ intermediæ apice calcaratæ.

Polyphonius, *Loew, Linn. Ent.* iii. 402, 403.

1. POLYPHONIUS LÆVIGATUS.

Ater; capite, thoracis vittis et maculis abdominisque cingulis ochraceo pollinosis; alæ subfuscescentes.

Polyphonius lævigatus, *Loew, Linn. Ent.* iii. 407, 1.

Rhodes.

Genus 9. ATRACTIA.

Corpus non depressum nec ciliatum. Facies prominens. Antennarum articulus 3us latus compressus fusiformis; arista non ciliata. Alarum areola mediastinalis clausa; areolæ submarginales duæ.

Atractia, *Macq. Dipt. Exot.* i. 2, 151.

Asilus, p., *Wied.*

1. ATRACTIA PSILOGASTER.

Niger; mystax niger; antennæ basi rufescentes; thorax albo pilosus; scutellum luteum; abdomen glabrum; pedes anteriores niveo micantes; tibiæ rubidæ; alæ subobscuræ.

Asilus psilogaster, *Wied. Auss. Zweifl.* i. 456, 49.

Atractia psilogaster, *Macq. Dipt. Exot.* i. 2, 152, 1.

Brazil.

Genus 10. OMMATIUS.

Corpus non depressum nec ciliatum. Facies prominens. Antennæ arista subtus ciliata. Alarum areola mediastinalis clausa; areolæ submarginales duæ.

Ommatius, *Illiger*; *Wied.*; *Macq.*

Asilus p., *Fabr.*

Dasyogon, p., *Fabr.*

Like *Asilus* in the structure of the wing-veins.

North America.

1. OMMATIUS TIBIALIS.

Fuscus; antennæ nigrae; thorax vittatus; abdomen obsolete albo fasciatum; tibiæ albidae; alæ apice obscuriores.

Ommatius tibialis, *Say*, *Journ. Acad. Philad.* 1822, 49. *Wied. Auss. Zweifl.* i. 422, 6.

Pennsylvania.

Mexico.

2. OMMATIUS PUMILUS.

Fœm. *Cinereus*; mystax flavidus; thorax vittis nigris; pedes nigri, tibiis basi testaceis; alæ hyalinæ apice subcinereæ.

Ommatius pumilus, *Macq. Dipt. Exot. Suppl.* 2, 42, 6.

Mexico.

West Indies.

3. OMMATIUS SACCAS.

Ommatius Saccas, *Cat. of Diptera*, Pt. 2, 474.

Jamaica.

South America.

4. OMMATIUS MARGINELLUS.

Cinereo-flavescens; thorax fusco vittatus; abdomen nigro-fuscum; pedes mellei, femoribus tibiisque apice nigris.

Asilus marginellus, *Fabr. Spec. Ins.* ii. 464, 22; *Ent. Syst.* iv. 384, 36.

Dasyogon marginellus, *Fabr. Syst. Antl.* 170, 28.

Ommatius marginellus, *Wied. Dipt. Exot.* i. 213, 1; *Auss. Zweifl.* i. 421, 5. *Macq. Dipt. Exot.* i. 2, 134, 4, pl. 11, f. 4.

Brazil.

5. OMMATIUS RUFIPES.

Fœm. *Niger*; *mystax flavidus*; *antennæ basi apiceque testaceæ*; *thorax flavus, vittis nigris*; *abdomen incisuris flavis*; *pedes rufi*; *alæ subflavescentes*.

Ommatius rufipes, *Macq. Dipt. Exot. Suppl. i. 88, 5.*

Colombia.

Africa.

A. Femora nigra.

A. *Mystax niger*. - - - - - auribarbis, *Wied.*

B. *Mystax albidus*. - - - - - pygmæus, *Wied.*

B. Femora fulva. - - - - - *Jaculator*, *Walk.*

6. OMMATIUS AURIBARBIS.

Flavidus; *barba aurea*; *mystax niger*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen et femora nigra*; *tibiæ tarsisque rufescentia*; *alæ flavescentes*.

Ommatius auribarbis, *Mus. Berl. Wied. Auss. Zweifl. i. 423, 9.*

Sierra Leone.

7. OMMATIUS PYGMÆUS.

Mas. Nigello-fuscanus; *thorax vittis flavido-sejunctis latis*; *abdomen nigellum, incisuris albidis*; *pedes flavi, tibiis apice femoribusque nigris*; *alæ subflavescentes*.

Ommatius pygmæus, *Wied. Anal. Entom. 26, 22*; *Auss. Zweifl. i. 424, 10.*

Guinea.

8. OMMATIUS JACULATOR.

Ommatius Jaculator, *Diptera Saundersiana, Pt. 2, 152.*

Africa.

Madagascar.

9. OMMATIUS MADAGASCARIENSIS.

Mas. Niger; *thorax scapulis albis*; *femora anteriora fulva*; *tibiæ anteriores albidae*; *alæ flavescentes*.

Ommatius Madagascariensis, *Macq. Dipt. Exot. i. 2, 133, 1, pl. 11, f. 3.*

Madagascar.

Isle of France.

10. OMMATIUS ALBOVITTATUS.

Niger; thorax albidus vittis nigris; abdomen fasciis lateralibus albis; alæ subcinereæ.

Ommatius albovittatus, *Wied. Anal. Entom.* 25, 20. *Auss. Zweifl.* i. 418, 1.

Isle of France.

11. OMMATIUS TARCHETIUS.

Ommatius Tarchetius, *Cat. of Diptera*, Pt. 2, 476.

Isle of France.

Asia.

A. Femora nigra.

A. Alæ flavescentes.

A. Thorax non vittatus. - - - - fulvidus, *Wied.*

B. Thorax nigro vittatus. - - - - conopsoides, *Wied.*

C. Thorax fusco vittatus. - - - - Pennus, *Walk.*

B. Alæ sublimpidæ. - - - - leucopogon, *Wied.*

B. Femora fulva.

A. Femora postica nigro fasciata. - - - - compeditus, *Wied.*

B. Femora anteriora nigro vittata. - - - - rufipes, *Macq.*

C. Femora tota pallida.

A. Alæ subflavescentes.

a. Abdomen nigrum. - - - - dispar, *Macq.*

b. Abdomen fulvum, nigro fasciatum. - - - - auratus, *Fabr.*

B. Alæ limpidæ. - - - - nanus, *Walk.*

12. OMMATIUS FULVIDUS.

Mas. Fulvidus; antennæ apice nigræ; abdomen nigrum; incisuris fulvis; pedes nigri, tibiis fulvis; alæ flavescentes.

Ommatius fulvidus, *Wied. Dipt. Exot.* i. 214, 3; *Auss. Zweifl.* i. 420, 3. *Macq. Dipt. Exot. Suppl.* 3, 29, pl. 3, f. 2.

Asilus Garnotii, *Guér. Voy. de la Coquille, Zool.* ii. 292. *Atlas*, pl. 20, f. 8.

Java. Moluccas.

13. OMMATIUS CONOPSOIDES.

Flavidus; facies alba; antennæ nigræ; thorax nigro vittatus; abdomen nigrum, marginibus late canis; femora nigra; tibiæ fulvæ; alæ subflavescentes, ad costam fuscescentes.

Ommatius conopsoides, *Mus. Berl. Wied. Auss. Zweifl.* i. 422, 7.

Sumatra.

Var.? *Mas. Niger*; *facies alba*; *thorax nigro-fuscus*, *vitta lata atra*, *incisuris pectoreque canis*; *abdomen clavatum*, *segmentorum marginibus posticis canis*, *apice rufescente*; *tibiæ fulvæ*, *apice nigræ*; *metatarsi subtus rufescentes*; *alæ cinereæ*, *apud costam fuscæ*, *dimidio basali postico sublimpido*.

Male. Inferior appendages of the abdomen much curved. Length of the body 5 lines; of the wings 8 lines. This may be a distinct species.

a. Sumatra. From Sir Stamford Raffles' collection.

14. OMMATIUS PENNUS.

Ommatius Pennus, *Cat. of Diptera*, Pt. 2, 469.

Var.? *Ommatius Coryphe*, *Cat. of Diptera*, Pt. 2, 469.

Borneo. Corea.

Fem. Style of the abdomen nearly as long as the anterior part, which is fusiform. Anterior femora tawny, with black tips; hind femora with a tawny subapical band.

a—c. Sumatra. From Sir Stamford Raffles' collection.

15. OMMATIUS LEUCOPOGON.

Niger; *barba alba*; *thorax vittis flavido vix interstinctis*; *tibiæ posticæ luteæ*; *alæ sublimpidæ*.

Ommatius leucopogon, *Wied. Anal. Entom.* 25, 21; *Auss. Zweifl.* i. 423, 8.

East Indies.

16. OMMATIUS COMPEDITUS.

Niger; *abdomen melleum*, *basi apiceque nigrum*; *pedes flavi*; *femoribus posticis nigro fasciatis*; *alæ flavidæ*.

Ommatius compeditus, *Wied. Auss. Zweifl.* i. 419, 2.

East Indies?

17. OMMATIUS RUFIPES.

Mas. Fulvidus; *thorax nigro vittatus*; *abdomen fuscum incisuris fulvis*; *pedes fulvi*, *femoribus anterioribus nigro vittatis*; *alæ subflavescentes apice fusæ*.

Ommatius rufipes, *Macq. Dipt. Exot.* i. 2, 133, 3, pl. 11, f. 5.

Java.

18. OMMATIUS DISPAR.

Thorax maris cinereus vittis fuscis, fœm. testaceus; abdomen nigrum; pedes fulvi; alæ subflavescentes apice fuscanae, maris dilatatae.

Ommatius dispar, *Macq. Dipt. Exot. Suppl.* 3, 28, 7, pl. 3, f. 3.

Java.

19. OMMATIUS AURATUS.

Fœm. Subtestaceus; thorax aureo micans, vittis fuscis; abdominis segmenta 4um et 5um nigra; alæ subtestaceæ.

Ommatius auratus, *Wied., Macq. Dipt. Exot.* i. 2, 133, 2.

East Indies.

Male. Body and legs wholly testaceous. Abdomen slightly attenuated from the base to one-third of the length, fusiform from thence to the tip. Wings hardly grayish, with a slight testaceous tinge in front; union of the subcostal and radial veins nearer to the tip of the wings than in the female.

a. Poojaub. Presented by Brigadier Hearsay.

20. OMMATIUS NANUS.

Ommatius nanus, *Diptera Saundersiana*, Pt. 2, 153.

East Indies.

Australia.

A. Femora nigra.

A. Tibiæ nigro vittatæ. - - - - - Lema, *Walk.*

B. Tibiæ non vittatæ. - - - - - Cœræbus, *Walk.*

B. Femora rufa. - - - - - Ialmus, *Walk.*

21. OMMATIUS LEMA.

Ommatius Lema, *Cat. of Diptera*, Pt. 2, 472.

New Holland.

22. OMMATIUS CÆRÆBUS.

Ommatius Cœræbus, *Cat. of Diptera*, Pt. 2, 473.

New Holland.

23. OMMATIUS IALMUS.

Ommatius Ialmus, *Cat. of Diptera*, Pt. 2, 479.

New Holland.

Sandwich Islands.

24. OMMATIUS ANDROCLES.

Ommatius Androcles, *Cat. of Diptera*, Pt. 2, 470.

Country unknown.

A. Tibiæ nigræ.

A. Femora tibiæque omnino nigra. - - - Papus, *Walk.*

B. Femora tibiæque basi rufa. - - - Amyclæus, *Walk.*

B. Tibiæ rufæ, nigro vittatæ; posticæ nigræ. Plautius, *Walk.*

C. Tibiæ flavæ, apice nigræ.

A. Alæ subfuscæ. - - - - - Pera, *Walk.*

B. Alæ limpidæ. - - - - - Hecale, *Walk.*

D. Tibiæ ferrugineæ. - - - - - Ademon, *Walk.*

25. OMMATIUS PAPUS.

Ommatius Papus, *Cat. of Diptera*, Pt. 2, 472.

26. OMMATIUS AMYCLÆUS.

Ommatius Amyclæus, *Cat. of Diptera*, Pt. 2, 477.

27. OMMATIUS PLAUTIUS.

Ommatius Plautius, *Cat. of Diptera*, Pt. 2, 471.

28. OMMATIUS PERA.

Ommatius Pera, *Cat. of Diptera*, Pt. 2, 475.

29. OMMATIUS HECALE.

Ommatius Hecale, *Cat. of Diptera*, Pt. 2, 476.

30. OMMATIUS ADEMON.

Ommatius Ademon, *Cat. of Diptera*, Pt. 2, 478.

Genus 11. LECANIA.

Corpus non depressum nec ciliatum. Facies prominens. Mystax mediocris. Antennarum arista longissima, lamella terminali. Alarum areola mediastinalis clausa; areolæ dua submarginales, 2a simplex.

Lecania, *Macq. Dipt. Exot. i. 2*, 131.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; forks hardly undulating, a little nearer to each other in the middle than towards each end. First and second externo-medial veins nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

South America.

1. LECANIA RUFIPES.

Flavida; thorax nigro vittatus; abdomen nigrum; pedes rufi; alæ flavescentes.

Lecania rufipes, Macq. *Dipt. Exot.* i. 2, 131, pl. 11, f. 2.

Brazil.

Var.? Mas. et fœm. *Cervina; caput et pectus alba, illum albo pilosum; antennæ rufescentes; thorax vittis duabus dorsalibus maculisque lateralibus fuscis; abdomen supra piceum marginibus posticis fulvis, apice nigrum; pedes fulvi, femoribus posterioribus tarsisque apice nigris; alæ subfuscescentes, apice obscuriores.*

Fawn colour. Head and pectus white. Head clothed beneath with white hairs. Face slightly convex towards the epistoma. *Mystax* small. Proboscis black, lanceolate. Antennæ dull reddish; first joint more than twice the length of the second; third elongate-conical, much shorter than the first; arista full four times the length of the third. Thorax with two brown dorsal stripes, and four brown lateral oblique spots. Abdomen above piceous; hind borders of the segments tawny; tip black. Legs pale tawny, with a few black spines; tips of the posterior femora and of the tarsi black. Wings slightly brownish, darker towards the tips. Halteres testaceous. *Male*.—Arista dilated at the tip. Sexualia of moderate size; forceps broad, obtuse. *Fem*.—Arista not dilated. Apical fourth part of the abdomen stylate. Length of the body 7—8 lines; of the wings 12—13 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

b. ———?

Country unknown.

2. *LECANIA FEMORATA*.

Mas. *Nigra*; thorax flavido bivittatus; pedes rufi, femoribus incrassatis externe fuscis; alæ flavescens, apice subfusca.

Lecania femorata, Macq. *Dipt. Exot.* i. 2, 132, 2.

Genus 12. *SENOPROSOPUS*.

Corpus non depressum nec ciliatum. Facies plana, angusta. *Mystax* mediocris. Thorax non cristatus. Abdomen non carinatum; maris sexualia mediocria; fœm. terebra non spinosa. Alarum areola mediastinalis clausa; areola submarginalis 2a simplex; 4a posterior petiolata.

Senoprosopus, Macq. *Dipt. Exot.* i. 2, 130.

1. *SENOPROSOPUS DIARDII*.

Mas. *Rufescens*; thorax fusco vittatus; abdomen nigrum, incisuris albidis; pedes flavi, femoribus posticis tarsisque nigris; alæ flavæ, apice fuscæ.

Senoprosopus Diardii, Macq. *Dipt. Exot.* i. 2, 130, 1, pl. 11, f. 1.

Bengal.

Genus 13. *DAMALIS*.

Corpus non depressum nec ciliatum. *Onychia* conspicua. Alarum areola mediastinalis aperta; areolæ duæ submarginales.

Damalis, *Fabr. Syst. Antl.* 148; *Wied*; *Macq.*

Dioctria, p., *Wied. Dipt. Exot.*

Dasyogon, p., *Wied. Dipt. Exot.*

Damalis et *Chalcidomorpha*, *Westw.*

South America.

1. *DAMALIS?* *DIVISA*.

Nigra; abdominis segmenta marginibus posticis canis; metatarsi basi et genua fulvescentia; alæ limpida, dimidio basali nigricante; halteres flavi.

Black. Face silvery white. Thorax with brownish tomentum. Pectus hoary. Abdomen full twice the length of the thorax; hind

borders of the segments hoary. Legs shining; metatarsi towards the base and knees tawny. Wings limpid; basal half blackish; veins black. Halteres pale yellow. Length of the body $3\frac{1}{2}$ —4 lines; of the wings 6—7 lines.

a, b. Santarem. From Mr. Bates' collection.

Africa.

- A. Alæ limpidæ, venis fusco limbatis. - - - capensis, *Wied.*
 B. Alæ fuscæ. - - - - - hirtiventris, *Macq.*
 C. Alæ limpidæ. - - - - - hyalipennis, *Macq.*

2. DAMALIS CAPENSIS.

Fœm. Nigra; thorax fuscus; abdomen obscure coriaceum; pedes fulvi, tibiis antice femoribusque nigris; alæ limpidæ, venis fusco limbatis.

Dioctria heterocera, Wied. Dipt. Exot. i. 162, 6.

Dasygogon anomalus, Wied. Dipt. Exot. i. 232, 35.

Damalis capensis, Wied. Auss. Zweifl. i. 416, 1.

Cape.

3. DAMALIS HIRTIVENTRIS.

Mystax, antennæ pedesque nigra, thorax flavidus, vittis nigris; abdomen fuscannum, apice nigrum; femora apice tibiæque fulva; alæ fuscæ.

Damalis hirtiventris, Macq. Dipt. Exot. Suppl. 1 94, 3.

Caffraria.

4. DAMALIS HYALIPENNIS.

Albida; mystax antennæque nigra; thorax vittis fuscis; abdomen maculis dorsalibus nigris; pedes testacei; alæ hyalinæ.

Damalis hyalipennis, Macq. Dipt. Exot. Suppl. i. 95, 4, pl. 8, f. 19.

Caffraria.

Asia.

A. Alæ apice saltem pallidæ.

A. Abdomen chalybeum.

a. Pedes mellei. - - - - - myops, *Fabr.*

B. Pedes rufi. - - - - - tibialis, *Macq.*

B. Abdomen æneum. - - - - - Andron, *Walk.*

- C. Abdomen nigrum. - - - - - fuscus, *Walk.*
 D. Abdomen flavum. - - - - - planiceps, *Fabr.*
 E. Abdomen melleum, nigro maculatum. - maculata, *Wied.*
 B. Alæ totæ nigro-fuscæ. - - - - - fumipennis, *Walk.*

5. DAMALIS MYOPS.

Nigella; abdomen chalybeum; pedes mellei, femoribus apice nigris; alæ basi ultra medium fuscæ.

Damalis myops, *Fabr. Syst. Antl.* 148, 4. *Wied. Auss. Zweifl.* i. 417, 3.

Sunatra.

6. DAMALIS TIBIALIS.

Mas. *Atra*; thorax latera rufa; abdomen violaceo nitens; pedes rufi, femoribus supra nigris, tibiis posticis apice crassis; alæ hyalinæ, basi fuscæ.

Damalis tibialis, *Macq. Dipt. Exot.* i. 2, 154, 1, pl. 12, f. 6.

Damalis myops, var. ?

East Indies.

7. DAMALIS ANDRON.

Damalis Andron, *Cat. of Diptera*, Pt. 2, 480.

China.

8. DAMALIS FUSCA.

Damalis fusca, *Cat. of Diptera*, Pt. 2, 481.

North Bengal.

9. DAMALIS PLANICEPS.

Thorax nigellus, limbo scutelloque flavidis; abdomen pedesque flava; alæ dimidio basali nigro-fusco.

Damalis planiceps, *Fabr. Syst. Antl.* 148, 2. *Wied. Zool. Mag.* i. 60, pl. 2, f. 4; *Auss. Zweifl.* i. 417, 4. *Macq. Dipt. Exot.* i. 2, 154, 2.

Coromandel, Tranquebar.

10. DAMALIS MACULATA.

Mas. *Nigra*; thorax flavidus, disco nigello; abdomen melleum, utrinque nigro maculatum; pedes ferruginei, fasciis nigricantibus; alæ flavescens.

Damalis maculata, Wied. *Auss. Zweifl.* i. 416, 2.

Java.

11. DAMALIS FUMIPENNIS.

Nigro-cuprea; antennæ nigrae; thoracis latera fulvescentia; pedes fulvi, coxis tibiis apice tarsisque nigricantibus; alæ nigro-fuscae.

Cupreous black. Antennæ black. Pectus and sides of the thorax dull tawny. Legs tawny; coxæ, tarsi and tips of the tibiæ blackish; hind femora armed with short spines; hind tibiæ much curved. Wings blackish brown. Halteres testaceous. Length of the body 3 lines; of the wings 6 lines.

a. Java. From the East India Company's collection.

Australia.

12. DAMALIS FUSCIPENNIS.

Facies mystax barbaque albida; antennæ nigrae; thorax flavus, vittis nigris; abdomen et pedes fulva; alæ fuscae.

Damalis fuscipennis, Macq. *Dipt. Exot. Suppl.* 1, 95, 5.

New Holland.

Country unknown.

The following species is the type of the genus *Chalcidomorpha* of Westwood, who has described it as follows:—

“Caput brevissimum, latum, oculis maximis elevatis. Proboscis capitis longitudine, perpendicularis. Palpi brevissimi, setigeri. Antennæ breves; articulus 1us parvus, cylindricus; 2us paullo major, cyathiformis; 3us longior, conicus, apice longe setiger. Thorax elevatus, antice in collum attenuatus. Abdomen crassum, læve. Femora postica incrassata, subtus serie duplici denticulorum; coxæ et trochanteres magna; tibiæ arcuatæ.”

Chalcidomorpha, Westw. *Ann. Soc. Ent. Fr.* iv. 684.

13. DAMALIS FULVIPES.

Niger; frons albida; thorax cinereus, vix pubescens, lateribus scutelloque subalbidis; abdomen flavum; pedes fulvi, femoribus apice nigris, posticis 10-denticulatis; alæ hyalinæ, dimidio infumato, in medio obscurioribus.

Chalcidomorpha fulvipes, Westw. *Ann. Soc. Ent. Fr.* iv. 68, 41.

Genus 14. PHENEUS.

Corpus longi-obconicum. Antennarum articuli 1us et 2us breves; 3us longior, conicus, arista longissima. Abdomen longi-obconicum. Pedes postici longi, validi.

Pheneus, *Diptera Saundersiana*, Pt. 2, 155.

Fore fork of the cubital vein slightly undulating; hind fork nearly straight, parallel to the first externo-medial; third externo-medial forming an obtuse angle with the præbrachial, joining the fourth at a short distance from the border. Subanal inclined towards the anal, but at a short distance from it on the border.

1. PHENEUS TIBIALIS.

Pheneus tibialis, *Diptera Saundersiana*, Pt. 2, 156, pl. 4, f. 3.

Jamaica.

Genus 15. LEPTOGASTER.

Corpus mediocre aut parvum, fere nudum. Proboscis porrecta. Antennarum articulus 3us lanceolatus; arista brevis. Abdomen longum, gracile, obclavatum. Pedes graciles, postici longi; femora tibiæque subclavata; onychia nulla. Alæ breves; venæ subcostalis et radialis non conjunctæ.

Leptogaster, *Meig. Klass. Zweifl.*; *Wied.*; *Zell.*; *Zett.*; *Loew.*

Asilus, p., *Deg.*; *Geoffr.*; *Fabr. Ent. Syst.*; *Schr.*

Dasypogon, p., *Fabr. Syst. Antl.*

Gonypes, *Latr.*; *Macq.*

Europe and Asia Minor.

A. Alæ limpidæ.

A. Antennæ nigræ.

a. Abdomen flavo non maculatum.

a. Femora tibiæque apicem versus fusca. *hispanicus*, *Meig.*

b. Femora postica ante apicem nigro-cingulata.

nigricornis, *Loew.*

B. Abdomen flavo maculatum. - -

- - *variegatus*, *Loew.*

B. Antennarum articulus 2us rufo aut flavo-ferrugineus.

a. Femora non nigro lineata.

a. Antennarum arista pubescens. - *guttiventris*, *Zett.*

b. Antennarum arista nudiuscula.

i. Antennarum articulus 3us non pubescens.

gracilis, *Loew.*

- ii. Antennarum articulus 3us subtus distincte pubescens.
pubicornis, *Loew*.
- B. Femora postica nigro lineata.
- a. Areola submarginalis 2a longa, breviter petiolata.
cylindricus, *Deg*.
- b. Areola submarginalis 2a brevis, longissime petiolata.
pedunculatus, *Loew*.
- C. Antennarum articuli 1us et 2us flavi.
- A. Abdomen flavo non maculatum. - - - palparis, *Loew*.
- B. Abdomen flavo maculatum. - - - subtilis, *Loew*.
- B. Alæ semifuscæ. - - - Pallasii, *Wied*.

1. LEPTOGASTER PALPARIS.

Palpi et antennarum articuli 1us et 2us flavi.

Leptogaster palparis, Loew, Linn. Ent. ii. 396, 1.

Stanchio.

2. LEPTOGASTER HISPANICUS.

Antennæ nigrae; femora tibiæque pallide flava, apicem versus fusciscentia.

Leptogaster hispanicus, Meig. Zweifl. vii. 76, 4. Loew, Linn. Ent. ii. 397, 2.

Spain.

3. LEPTOGASTER GUTTIVENTRIS.

Fœm. Cinerascens; thoracis dorsum vittis 3 obscure fuscis; abdomen supra fusciscentis, incisuris glaucis; pedes flavi, tibiis intus, femorum posticorum annulo apicali, tarsorumque omnium articulis 4 ultimis, nigro-fuscis; alæ hyalinæ abdomine paullo breviores.

Leptogaster guttiventris, Steger, MSS. Zett. Dipt. Scand. i. 187, 2. Loew, Linn. Ent. iii. 397, 3.

Leptogaster cylindricus? Meig. Dipt. ii. 243, 1, pl. 21, f. 16.

Leptogaster pallipes, var., Ros. Conop. Wurt. Landw. Ver. 1840, 1, 1.

North Europe.

4. LEPTOGASTER GRACILIS.

Gracillimus; antennarum articulus 2us flavo-ferrugineus, arista nudiuscula; femora postica ante apicem valde incrassata, latissime nigro annulata.

Leptogaster gracilis, Loew, Linn. Ent. ii. 399, 4.

Makri, Asia Minor.

5. LEPTOGASTER SUBTILIS.

Fœm. *Gracillimus*; *proboscis flava*; *antennæ pallide flavæ, apice fuscæ*; *abdomen flavo maculatum*.

Leptogaster subtilis, *Loew, Linn. Ent. ii. 401, 5.*

South Italy.

6. LEPTOGASTER VARIEGATUS.

Proboscis et antennæ nigræ; *abdomen nigrum, flavo maculatum*.

Leptogaster variegatus, *Loew, Linn. Ent. ii. 402, 6.*

Leptogaster nitidus, *Macq. Dipt. Nord. Asil. 12, 3; Meig. Zweifl. vii. 77, 5.*

Gonypes nitidus, *Macq. Hist. Nat. Dipt. i. 316, 4.*

France.

7. LEPTOGASTER CYLINDRICUS.

Antennurum articulus 2us flavo-ferrugineus; *femora postica longitudinaliter nigro lineata*; *areola submarginalis 2a longa, breviter pedunculata*.

Leptogaster cylindricus, *Meig. Zweifl. ii. 343, 1.*

Asilus cylindricus, *Deg.*

Gonypes cylindricus, *Macq. Expl. Sci. Alg. iii. Ins. 443, 80, 439, 69.*

North and Middle Europe. Eastern Siberia. North Africa.

a.—e. England. From Mr. Stephens' collection.

Var.? *Cinerascens*; *antennæ nigræ, articulus 2o rufo-ferrugineus*; *thoracis dorsum nigrum*; *pedes flavo-ferruginei, longitudinaliter nigro lineati*; *alæ hyalinæ, abdomine dimidio breviores*.

Leptogaster dorsalis, *Dahlb. Act. Holm. 1850, 159. Zett. Dipt. Scand. xi. 4263.*

Sweden.

8. LEPTOGASTER PEDUNCULATUS.

Antennarum articulus 2us apice, 3us basi rufo-ferruginei; *femora postica longitudinaliter nigro lineata*; *areola submarginalis 2a brevis, longissime pedunculata*.

Leptogaster pedunculatus, *Loew, Linn. Ent. ii. 405, 8.*

Sicily.

9. LEPTOGASTER NIGRICORNIS.

Robustus; antennæ nigrae; femora postica ante apicem nigro cingulata.

Leptogaster nigricornis, *Loew, Linn. Ent.* ii. 407, 9.

Sicily.

10. LEPTOGASTER PUBICORNIS.

Fœm. *Robustior; antennarum articulus 3us basi 2usque rufo-ferruginei, 3us subtus distincte pubescens; femora postica latissime nigro-cingulata.*

Leptogaster pubicornis, *Loew, Linn. Ent.* ii. 408, 10.

Hungary.

11. LEPTOGASTER PALLASII.

Fœm. *Niger; alæ semifusæ; pedes pallide flavi, femorum fasciis, tibiis apice tarsisque fuscis.*

Leptogaster Pallasii, *Wied. Zool. Mag.* i. 2, 37. *Meig. Zweifl.* ii. 345, 3. *Loew, Linn. Ent.* ii. 409, 11.

South Russia.

North America.

12. LEPTOGASTER HISTRIO.

Rubido-fuscus; thorax vittis tribus nigellis; abdomen fuscum, albido fasciatum; pedes flavi, postici fusco fasciati; alæ limpidae.

Leptogaster annulatus, *Say, Journ. Acad. Philad.* iii. 75, 1.

Leptogaster Histrio, *Wied. Auss. Zweifl.* i. 535, 5.

Pennsylvania.

13. LEPTOGASTER NITIDUS. (Nomen bis lectum.)

Fœm. *Testaceus, nitidus; abdomen fuscum; pedes rufi, femoribus posticis basi flavis medio fusco-cinctis, tibiis posticis apice fuscis; alæ flavescentes, apice subcinereæ.*

Gonypes nitidus, *Macq. Dipt. Exot.* i. 2, 155, 1, pl. 12, f. 7.

Carolina.

borders of the second and third segments luteous on each side. Legs long and slender; hind legs brown, their femora luteous towards the base, and with a luteous band near the tips. Wings violet-brown, nearly limpid towards the tips, which are gray; some nearly hyaline streaks towards the hind border. Length of the body 6 lines; of the wings 10 lines.

a. Ega, on the Amazon. From Mr. Bates' collection.

17. LEPTOGASTER FUSCIPENNIS.

Nigricans; facies albido sericea; thoracis latera testaceo lineata; pedes fusco-nigri; alæ totæ nigricantes.

Gonypes fuscipennis, Blanch. Gay, *Hist. de Chile*, Zool. vii. 371, 1. *Atlas*, pl. 3, f. 6.

Santiago.

18. LEPTOGASTER RUBIDUS.

Rubidus; abdomen incisuris luteis; pedes flavescents, femoribus anterioribus apice posticisque totis fuscis; alæ flavidæ, apice fuscæ.

Leptogaster rubidus, Wied. *Dipt. Exot.* i. 242. *Auss. Zweifl.* i. 533, 2.

South America.

19. LEPTOGASTER BICOLOR.

Fœm. Thorax testaceus nitidus; abdomen fuscum, incisuris flavidis; pedes fulvi; alæ subhyalinæ.

Gonypes bicolor, Macq. *Dipt. Exot. Suppl.* 3, 31, 3.

Rio Negro.

20. LEPTOGASTER FERRUGINEUS.

Mas. Ferrugineus; pectus thoracisque latera cana; abdomen supra nigricans; femora postica fascia subapicali fulva; alæ subcineræ, venis nigris; halteres albi, apice fuscis.

Male. Ferruginous. Proboscis and antennæ tawny. Pectus and sides of the thorax hoary. Abdomen blackish above. Legs moderately stout; hind femora with a tawny subapical band. Wings very slightly grayish; veins black. Halteres white, with brown knobs. Length of the body 7 lines; of the wings 10 lines.

a. Parà. From Mr. Bates' collection.

21. LEPTOGASTER GRACILLIMUS.

Mas. *Niger*; antennæ, proboscis et thoracis maculæ fulvescentia; pectus testaceum, vittis duabus obliquis nigris; abdomen gracillimum segmentis basi fulvis; pedes anteriores testacei, femoribus nigro vittatis, tibiis fusco vittatis; postici nigri, femoribus tibiisque fulvo vittatis, metatarsis testaceis.

Male. Black, shining. Proboscis and antennæ tawny, the latter brownish towards the tips. Thorax with tawny spots. Pectus testaceous, with a black oblique stripe on each side. Abdomen very slender, more than six times the length of the thorax; segments tawny at the base. Anterior legs tawny; each femur and tibia with a black band; knees black; tarsi with very long spines. Hind legs black; femora and tibiæ with tawny subapical bands; femora and tarsi tawny towards the base. Wings limpid; veins black. Halteres whitish, with black knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 5 lines.

a. Parâ. From Mr. Bates' collection.

22. LEPTOGASTER MULTICINCTUS.

Leptogaster multicinctus, *Diptera Saundersiana*, Pt. 2, 155.
South America.

23. LEPTOGASTER ANNULIPES.

Mas. *Piceus*; pectus fulvum, albido tomentosum; abdomen nigrum, segmentorum marginibus posticis testaceis; pedes fulvi, femoribus tibiis tarsisque basi albidis, femoribus tibiisque fusco trifasciatis, tarsis posticis genubusque fuscis; alæ limpidæ.

Male. Piceous. Head, proboscis and antennæ black. Pectus tawny, with whitish tomentum. Abdomen black; hind border of the segments testaceous. Legs tawny, rather stout; knees brown; femora, tibiæ and tarsi whitish towards the base; femora and tibiæ with three brown bands; hind tarsi mostly brown. Wings limpid; veins black. Halteres testaceous, with brown knobs. Length of the body 4 lines; of the wings 6 lines.

a. Parâ. From Mr. Bates' collection.

Africa.

- A. Alæ subflavescentes. - - - - nitidus, *Wied.*
 B. Alæ subhyalinæ, stigmatate nigro-fusco. - stigmatalis, *Loew.*
 C. Alæ subhyalinæ. - - - - albitarsis, *Macq.*
 D. Alæ flavo-fuscæ, basi obscuriores. - - - Proculus, *Walk.*
 E. Alæ fuscæ, ad costam ferrugineæ. - - - Datis, *Walk.*

24. LEPTOGASTER NITIDUS.

Glaucescens; thorax nigro vittatus; abdomen nigro fasciatum; pedes flavi, postici nigro-cincti; alæ subflavescentes.

Leptogaster nitidus, Wied. Auss. Zweifl. i. 536.

Nubia.

25. LEPTOGASTER STIGMATICALIS.

Facies, mystax, pleuræ, et scutellum albida; thorax levis, nitidus, obscure badius; alæ subhyalinæ, basi flavescentes, stigmatate distinctissimo nigro-fusco.

Leptogaster stigmatalis, Loew, Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl. 1852, 658, 5.

Mozambique.

26. LEPTOGASTER ALBITARSIS.

Mas. Ater; facies mystaxque flava; pedes fulvi, tibiis posticis apice nigris, metatarso antico albo; alæ subhyalinæ.

Leptogaster cylindricus, var.?

Gonypes albitarsis, Macq. Dipt. Exot. Suppl. 1, 96, 3.

Caffraria.

27. LEPTOGASTER PROCULUS.

Leptogaster Proculus, Cat. of Diptera, Pt. 2, 482.

Sierra Leone.

28. LEPTOGASTER DATIS.

Leptogaster Datis, Cat. of Diptera, Pt. 2, 483.

Sierra Leone.

Asia.

29. LEPTOGASTER MARION.

Leptogaster Marion, Cat. of Diptera, Pt. 2, 484.

North Bengal.

Australia.

30. LEPTOGASTER PEDANIUS.

Leptogaster Pedanius, *Cat. of Diptera*, Pt. 2, 484.

New Holland.

Country unknown.

A. Thorax nigro vittatus. - - - - - vittatus, *Wied.*

B. Thorax non vittatus. - - - - - glabratus, *Wied.*

31. LEPTOGASTER VITTATUS.

*Rubidus; thorax nigro vittatus; abdomen fuscum, fasciis albidis;
pedes flavi; femora puncto apicali fusco.*

Leptogaster vittatus, *Wied. Auss. Zweifl.* i. 534, 3.

32. LEPTOGASTER GLABRATUS.

*Hyacinthino-glaber; antennæ flavæ; abdomen fuscum, flavido
fasciatum; pedes mellei; femora puncto apicali fusco; alæ
limpidæ.*

Leptogaster glabratus, *Wied. Auss. Zweifl.* i. 534, 4.

A D D E N D A .

ERAX CHILENSIS.

Nigricans, cinereo sericeus; thorax nigro vittatus; abdomen nigrum segmentis tribus ultimis albido cinereis; pedes nigri, tibiis flavo-rufis; alæ dilatatæ; venæ cubitalis furca antica ramulum rejiciens.

Erax chilensis, Macq. Dipt. Exot. Suppl. 4. Mém. de Lille (1849), 387. Blanch. Gay, Hist. de Chile, Zool. vii, 369, 2.

Chili. Bolivia.

Fam. STRATIOMIDÆ.

Genus LASIOPA.

Caput haud productum. Proboscis basi fracta, fere omnino exserta, postice inflexa. Antennæ porrectæ, triarticulatæ; articulus 1us cylindricus, subelongatus; 2us subconicus, 1o paullo brevior; 3us, 4us, 5us et 6us breves, approximati, 1o et 2o conjunctim fere æquales; arista crassa, pilosa, articuli 3i longitudine, annulis duobus, 1o brevi subrotundo. Scutellum muticum. Alarum venæ ut in *Nemotelis*. Mas.—Oculi subapproximati. Fœm.—Oculi valde remoti. Arista latior.

Lasiopa, Brullé, Exped. Scient. Morée, 3me Sér. Zool. 307.

1. LASIOPA PELETERIA.

Atra; abdomen subviolascens. Mas.—Nigro hirta; thorax haud vittatus; abdominis segmenta vix rufo villosa. Fœm.—Rufo hirta; thorax vittis quatuor rufis; abdominis segmenta postica rufo hirta.

Lasiopa Peleteria, Brullé, Exped. Sci. Morée, 3me Sér. Zool. 307. Atlas, pl. 47, f. 6.

Forest of Koubeh, Morea.











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