

XV. *Descriptions, &c. of the Insects collected by Captain P. P. KING, R.N., F.R.S., in the Survey of the Straits of Magellan. By JOHN CURTIS, Esq., F.L.S.; A. H. HALIDAY, Esq., M.A.; and FRANCIS WALKER, Esq., F.L.S.*

Read December 2nd, 1834; and May 5th, 1835.

[CAPTAIN KING having placed in my hands his South American insects, in order that such as were new might be described, I have the honour of laying before the Linnæan Society the results of the investigation, in which I have been assisted by the gentlemen whose names are mentioned above as having kindly cooperated with me in the undertaking.

The collection was formed along the coast from St. Paul's in Brazil to Valparaiso. The splendid objects of natural history that have been found from time to time in Brazil and sent to Europe render it less easy to detect novelties in that country; but those from the opposite coast of Chili are less known, and I have never seen any collection from the extreme south of the New World excepting the present one. It is curious and interesting to trace the similarity that exists in many instances between the corresponding parallels of the southern and northern hemispheres, and in others to observe the analogues which take the place of absent types. Throughout the whole of South America, for example, the genus *Carabus* appears to be unknown, excepting about latitude 50, where a species of that group with a narrow thorax has been found: the genus *Culex* also occurs; and many others might be noticed that not only approach, but are identical with, the typical forms of North America and of Europe. It may further be generally observed that the insects under consideration bear little resemblance to those from the Cape of Good Hope and the southern parts of Africa: and at the same time it may not be irrelevant to add, that I have been greatly surprised at the near approach made by many East Indian species to those of Europe, and even of England; and from the few I have had an opportunity of seeing, this remark may be applied also to some of those from Van Diemen's Land.—*J. Curtis.*]



*Descriptions, &c. of the*

## HYMENOPTERA.

*By* A. H. HALIDAY, *Esq.*\*1. ICHNEUMON XANTHORRHÆUS, *n. s.**Abdominis cingulo pedibusque rufis, segmento septimo et ventre toto fulvis.* Mas.Long. corp.  $4\frac{1}{2}$  lin. Alar.  $7\frac{1}{4}$  lin.

Mas. Niger. *Clypeus* et *mandibulæ* rufæ, hæ apice fuscæ. *Palpi* fulvi. *Antennæ* filiformes, graciles, longitudine corporis, articulis 34 oblongis. *Thorax* immaculatus. *Metathorax* areolatus, denticulo minutissimo utrinque instructus. *Pedes* rufi, posticorum tibiæ apice tarsique fuscis; eorundem trochanteres, omnium verò coxæ nigri. *Alæ* hyalinæ, nervis et stigmate ferrugineo-fuscis. *Abdomen* lineare, planum; ventre anoque fulvis, puncto apicali segmenti primi et fasciâ, secundi apicem et tertii basin occupante, rufis.

In exemplari altero color rufus fusior per medium segmenti secundi ascendens cum puncto apicali primi conjungitur; huic etiam adest punctum rufum supra clypeum in medio faciei.

The depressed and oblong abdomen gives a peculiar character to this species, and may indicate a type of form different from any European groups: but until the female is known, it will be difficult to say anything certain on this head.

2. ICHNEUMON PLEBEIUS, *n. s.**Abdomine rufo, segmento primo nigro; femoribus, tibiis et tarsis fulvis; alis flavescentibus.* Mas.Long. corp.  $6\frac{1}{2}$  lin. Alar. 12 lin.

Mas. Niger, pubescens, punctulatissimus. *Mandibulæ* apice rufescentes. *Antennæ* corpore breviores, crassiusculæ, setacæ. *Thorax* immaculatus. *Pedes* fulvi seu crocei, coxis et trochanteribus nigris. *Alæ* flavescenti-hyalinæ, stigmate nervisque nigris. *Abdomen* rufum, segmento primo nigro, ultimis dorsi subfuscis.

Port Famine, Straits of Magellan.

\* Those species with the asterisk attached are in the cabinet of Mr. Curtis.



3. ICHNEUMON PATRICIUS, n. s. ♀ nec ♂ = plebeius (J. B. 1954)

*Abdomine rufo, segmento primo nigro; femoribus, tibiis tarsisque rufis; alis cyaneis.* Mas.

Long. corp.  $7\frac{3}{4}$  lin. Alar.  $11\frac{1}{4}$  lin.

Mas. Niger, punctulatissimus. *Mandibulae* apice rufæ. *Antennæ* corpore breviores, setacæ. *Thorax* immaculatus. *Pedes* rufi, coxis et trochanteribus nigris. *Alæ* fusco-cyaneæ, punctis ordinariis hyalinis. *Abdomen* læve, rufum, segmento primo nigro.

Port Famine.

4. PHYGADEUON PRÆLATUS, n. s.

*Violaceus; pedibus rufis, coxis nigris, tarsis posterioribus medio fuscis; alis cyaneis; metathorace inermi.* Mas.

Long. corp. 6 lin. Alar.  $10\frac{1}{2}$  lin.

Mas. Violaceus, subtiliter punctulatus. *Antennæ* compressiusculæ et medio nonnihil crassiores, thorace dimidio longiores, nigræ. *Thorax* immaculatus et posticè inermis. *Pedes* rufi, coxis et trochanteribus nigris, illis violaceo-micantibus. *Tarsorum* intermediarum articuli 3tius et 4tus, posticorum insuper secundus nigricantes. *Alæ* fusco cyaneæ, punctis ordinariis hyalinis at obsoletioribus. *Abdomen* posticè læve.

Port St. Elena.

TRACHYSPHYRUS.

Cryptorum subgenus *Phygadeuonti* forma corporis proximum, sed pedibus posticis nonnihil elongatis, adhuc magis autem horum tibiis tarsisque spinulosis distinguendum. *Antennæ* mutilatæ quidem, sed e reliquiis videntur fuisse breviusculæ, graciles, setacæ.

5. TRACHYSPHYRUS IMPERIALIS, n. s.

*Purpureus; femoribus tibiisque posticis rufis; alis cyaneis; metathorace bidenti; aculeo abdomine parùm brevior.* Fem.

Long. corp.  $7\frac{1}{2}$  lin. Alar.  $11\frac{1}{2}$  lin. Aculei 3 lin.

Fem. Purpureus, splendens, capite thoraceque sparsim punctatis, metathorace et pectore reticulato-rugosis. *Antennæ* nigræ, scapo violaceo.



*Mandibulæ* nigræ. *Metathorax* utrinque dente valido obtuso instructus. *Pedes* nigri, coxis purpureis. *Femora antica* apice et tibiæ anteriores latere interno rufescentes. *Femora* et tibiæ posticæ totæ rufæ. *Alæ* cyaneæ, punctis ordinariis hyalinis; stigmatе nervisque nigris.

This species is quite of tropical character, from its brilliancy and intense blue opake wings; the group which it represents is probably confined to warm countries, and is eminently distinguished from all European Ichneumons by the small spines which are scattered over its hind legs, as in many *Pompilidæ*.

This splendid Ichneumon was taken at Port Famine.

#### 6. *CRYPTUS BELlicosus*, n. s.

*Annulo antennarum et tarsorum posticorum albo; alis fuscis; aculeo corpore plùs duplò longiore.* Fem.

Long. corp.  $6\frac{1}{2}$  lin. Alar. 11. Aculei, 15 lin.

Fem. Niger. *Apex labri*, punctum clypei, lineola orbitas ambiens et margo tenuissimus prothoracis albi. *Tarsi postici* articuli primi apice et quinti basi, reliquis totis albis. *Alæ* fuscae.

Port Famine.

#### 7. *PIMPLA SPONSA*, n. s.

*Mesothoracis scuto, segmentis primo—sexto, femoribusque posticis coccineis; alis cyaneis; aculeo abdominis dimidio brevior.* Fem.

Long. corp.  $4\frac{1}{4}$  lin. Alar. 9. Acul.  $1\frac{1}{4}$  lin.

Fem. Atra. *Antennæ* corpore breviores, filiformes. *Femora antica* apice tibiæ et tarsi latere interno flavicantes. *Femora postica* coccinea, apice nigra. *Alæ* fusco-cyaneæ, stigmatе nervisque nigris, areolâ amplâ tri-gonâ. *Abdomen* coccineum, ano nigro.

Valparaiso.

#### 8. *CAMPOPLEX FUGITIVUS*, n. s.

*Abdomine compresso, ventre fulvo; pedibus rufis, coxis nigris, trochanteribus anterioribus flavis, posticis nigris, tibiis posticis basi apiceque fuscis.* Mas.—Aut, *abdomine minùs compresso, segmentis tertio—septimo rufis, interme-diis dorso fusco-maculatis; pedibus rufis; coxis et trochanteribus anteri-oribus flavis, posticis nigris; aculeo brevissimo.* Fem.



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

Fem. Niger. *Antennæ* vix corporis longitudine, graciles, filiformes, totæ nigræ. *Mandibulæ* flavescentes, apice castaneæ. *Labrum* et *palpi* flavescentes. *Thorax* immaculatus. *Pedes* rufi; *coxæ* anteriores flavæ, posticæ nigræ; *trochanteres* flavi, *postici* basi nigri. *Tarsi postici* fuscii. *Alæ* hyalinæ, nervis fuscis, stigmate luteo, radice et squamulis stramineis. *Areola* petiolata. *Alarum* posticarum areola brachialis posterior apice recto terminata. *Abdomen* fulvum, segmento primo nigro, secundo nigro, angulis apicis fulvis; sequentia fulva, basi media fusca, ultima immaculata. *Aculeus* subexsertus.

Mas differt. *Coxæ* omnes nigræ. *Tibiæ posticæ* basi et apice nigricantes. *Abdomen* dorso nigrum, magis compressum quàm in femina.

Port Famine.

This species also presents nothing peculiar in its character; and though I cannot identify it with any described European species, yet it is such as would scarcely call for a remark by its occurrence in our own country.

#### 9. OPHION LUTEUS. *Linn.*

This specimen, taken at Port Famine, does not differ conspicuously either in size or other particulars from indigenous examples.

#### \*10. EVANIA LEVIGATA. *Latr.*

Rio de Janeiro.

#### \*11. CHRYSIS CÆRULANS. *Fabr.*

Port St. Elena.

#### \*12. XYLOCOPA MORIO. *Fabr.*

*Xylocopa Teredo.* Guilding.

St. Paul's, Brazil.

#### \*13. MEGACHILE SUSURRANS, *n. s.*

*Capite thoraceque fulvo-hirtis; abdominis cingulis albidis; squamulis et pedibus ferrugineis; femoribus tibiisque anticis et metatarsis latere exteriori nigricantibus.* Fem.

Long. corp.  $4\frac{1}{4}$  lin. Alar. 9 lin.



Fem. Nigra. *Statura* brevis, valida. *Pedes* flavido-hirti. *Alæ* obscure hyalinæ, nervis luteo-ferrugineis. *Venter* albido-barbatus.

Taken at St. Paul's by Lieut. T. Graves.

14. *MEGACHILE SQUALENS*, *n. s.*

*Cinereo-hirta*; *abdominis cingulis albidis*; *alarum costâ nigricante*. Fem.

Long. corp. 5 lin. Alar. 8 lin.

Fem. Nigra. *Statura* angusta. *Squamulæ pedesque nigri*. *Alæ* obscure hyalinæ, apice fuscae; nervis nigris et costâ latè nigricante.

St. Paul's, Brazil.

15. *CÆLIOXYS PRÆTEXTATA*, *n. s.*

*Segmento primo, ventre pedibusque rufis*; *facie, thoracis punctis, abdominis cingulis et latere externo pedum albido-pubescentibus*; *scutello validè tridentato*. Fem.

Long. corp.  $5\frac{1}{2}$  lin. Alar. 9 lin.

Nigra. *Antennarum scapus* subtùs rufescens. *Mandibulæ* ferrugineæ, apice fuscae. *Occiput* margine albido-ciliatum. *Thoracis latera, pectus et metathorax* albido-pubescentes; *dorsum subnudum, scuti latera et puncta* 2 antica, *scutelli fascia basalis interrupta et punctum sub spinâ laterali* albido-pubescentes. *Alæ* obscure hyalinæ, apice fuscae, radice et squamulis rufis. *Abdomen* rufum, suprâ nigrum, segmento primo rufo; *incisuræ* angustè albidæ, *ventris medio interruptæ*.

St. Catherine's.

\*16. *ANCYLOSCELES URSINUS*, *n. s.*

*Fulvo-hirsutus, ore, squamulis et tarsis flavo-ferrugineis*. Mas.

Long. corp.  $4\frac{1}{2}$  lin. Alar.  $9\frac{1}{2}$  lin.

Mas. Niger. *Antennarum scapus* subtùs maculâ apicali ferrugineâ. *Clypei color* ferrugineus, *basi trifurcatus*. *Labrum et basis mandibularum* ferrugineæ. *Tarsi posteriores* ferè flavi, apice summo fusco. *Alæ* hyalinæ, apice obscuræ. *Pili abdominis et pedum posteriorum* decumbentes, nitidiores, ferè aurei. *Abdomen* femoribus posticis haud multò majus.

Taken by Lieut. Graves at St. Paul's.



\*17. *MELIPONA FAVOSA. Fabr.*

St. Paul's; and Mr. Curtis has received it from Mexico.

18. *MELIPONA RUFICRUS. Latr.*

St. Catherine's.

\*19. *TRIGONA AMALTHEA. Fabr.*

Huic exemplari caput totum nigrum.

St. Paul's.

\*20. *BOMBUS CAJENNENSIS. Fabr.*

Taken at St. Paul's; and Mr. Curtis has also specimens from Mexico.

\*21. *BOMBUS NIGRIPES, n. s.*

*Ater; vertice, dorsoque thoracis et abdominis fulvo-hirtis; alis ferrugineis.*

*Femina et aculeata.*

Long. alarum Feminae  $25\frac{1}{2}$  lin.; aculeatae 12 lin.

Long. corp. Fem. 14 lin.; aculeatae  $7\frac{1}{2}$  lin.

Very abundant in Chili. *Lieut. Graves.*

22. *HALICTUS RUBELLUS, n. s.*

*Niger, nitidus, pubescens; abdomine rufo, apice nigro; tarsi apice rufis. Fem.*

Long. corp.  $4\frac{1}{2}$  lin. Alar. 9 lin.

Fem. *Niger, nitidus, pubescens. Tarsorum articulus primus ferrugineo-barbatus, articuli reliqui rufi. Alae obscure hyalinae, stigmatibus et nervis fuscis aut ferrugineis. Abdomen dorso ferè glabrum, segmentis primo et secundo (vel totis, vel hujus apice medio demto) etiam quarti et saepè quinti lateribus rufis: rima analis conspicua ciliata.*

Chili.

\*23. *HALICTUS METALLICUS? Fabr. (Megilla.)*

St. Paul's.

\*24. *ANDRENA CYANESCENS.*

*Nigra, cano-hirta; abdomine nitido cyaneo. Fem.*

Long. corp. 5 lin. Alar.  $8\frac{1}{4}$  lin.



Nigra, pubescentiâ canâ, modò femora postica subtùs et tibiæ latere externo nigro-villosæ. *Alæ* subhyalinæ, nervis nigris. *Abdomen* dorso ferè glabrum. *Venter* pubescens.

Chili.

\*26. *COLLETES OCCIDENTALIS*, *n. s.*

*Fulvo-hirtus*; *abdomine subconico basi retuso, fusco cingulis fulvis*. Mas et fem.

Long. corp. 8 lin. Alar.  $12\frac{1}{2}$  lin.

Taken by Lieut. Graves in Chili.

\*27. *EPIPONE CYANEA*. *Fabr.*

Taken at St. Paul's; also by my friend Edward Bennett, Esq., in Columbia.

28. *POLISTES IGNOBILIS*, *n. s.*

*Cæruleus*; *alis obscure hyalinis costâ fuscâ*. Fem.

Long. corp.  $5\frac{3}{4}$  lin. Alar. 11 lin.

Fem. Obscurè cæruleus. *Clypei apex* medio productus, acuminatus. *Mandibulæ* prælongæ. *Lacinia labii* prælongæ, apicibus pendulis, glandulosis. *Segmentum primum* infundibuliforme, subpetiolatum.

St. Paul's.

\*29. *POLISTES MULTIPICTUS*, *n. s.*

*Flavo fuscoque varius*; *antennis nigris*; *alis fuscescentibus*. Fem.

Long. corp. 6 lin. Alar.  $11\frac{1}{2}$  lin.

Fem. *Caput* flavum. *Macula* magna, hexagona, fusca, verticem ferè totum occupans et punctum flavum præ ocellis includens: *macula* altera magna trifurca clypei basin signat, has sejungit *macula* cordata flava inter antennas. *Mandibulæ* apice ferrugineæ; *antennæ* nigræ. Occiput fuscescens. *Thorax* subtùs nigro flavoque varius; suprâ nigricans, prothoracis margine, lineolis 2 dorsi, maculâ laterali scutelli, metathoracis fasciâ transversâ maculisque duabus pone illam flavis. *Pedes* flavi; liturâ externâ femorum anteriorum et posticis ferè totis ferrugineis; coxæ posteriores fusco-maculatæ. *Alæ* dilutè fuscae, costâ lutescente. *Abdomen* nigrum, margine segmentorum flavo. *Segmentum primum* ferè infundibuliforme at brevius quàm præcedenti.



Exemplar alterum magis flavescens. Mesothoracis scutum lateribus flavum ; femora tantùm postica subfusca.

St. Paul's.

30. *POLISTES BIGUTTATUS*, *n. s.*

*Niger ; capite, prothorace apiceque antennarum et pedum ferrugineis ; abdomine ferrugineo basi nigro punctis duobus flavis. Fem.*

Long. corp. 8 lin. Alar. 17 lin.

*Fem. Caput ferrugineum, vertice et occipite fuscis. Antennæ nigræ, articulis 2 ultimis undique, præcedentibus subtùs ferrugineis. Thorax niger, opacus, prothorace suprà ferrugineo. Pedes nigri ; anticorum genua, tibiæ tarsique ferruginei, metatarsi nigri apice demto : intermediorum genua, tarsorum articuli 3 superiores apice, reliqui toti ferruginei : posticorum genua, tarsorum articuli superiores apice, sequentes subtùs ferè toti ferruginei. Alæ fusco-ferrugineæ. Squamulæ ferrugineæ. Abdomen ferrugineum, segmentis primo et secundo basi nigris, illo flavo-bipunctato.*

The nest of this species is preserved ; it seems to have been suspended by a short slender footstalk, and is formed of one layer, comprising 56 hexagonal cells of various depths.

\*31. *POLISTES APICALIS. Fabr.*

St. Paul's.

32. *POLISTES ACTÆON*, *n. s.*

*Cyaneus ; clypeo et metathoracis maculâ bilobâ flavis. Fem.*

Long. corp. 7 lin. Alar.  $12\frac{1}{4}$  lin.

*Fem. Obscurè cyaneus. Clypeus flavus, basi lineolis 2 nigris e nigredine faciei continuatis. Metathoracis margo anticus flavo-lineatus. Macula metathoracis magna flava subquadrata at posticè bifida. Tibiæ et tarsi antici latere interno flavicantes. Alæ fuscæ, costâ obscuriore. Abdominis segmentum primum breve, haud petiolatum, margine apicis utrinque albicante.*

St. Catherine's.

\*33. *ODYNERUS VESPIFORMIS.*

*Ater, villosus ; alarum costâ, squamulis, antennis pedibusque rufis ; his basi nigris. Mas et fem. Clypeo et antennarum scapo subtùs flavis. Mas.*

Long. corp. fem. 7 lin., maris  $6\frac{1}{4}$  ; alar. fem.  $12\frac{1}{2}$  lin., maris  $11\frac{1}{4}$ .



Fem. Ater, villosus. *Antennæ* rufæ. *Prothoracis* margo angustissimè albicans. *Pedes* rufi, coxis et basi femorum nigris. *Alæ* ferrugineæ, costâ a basi usque in stigma rufescente. *Squamulæ* rufæ. *Abdominis* segmenta primum et secundum margine angustissimo albicante.

Exemplar alterum segmento secundo toto nigro.

Mas. *Antennarum* scapus dorso nigro-lineatus, subtùs flavus, clypeus et labrum sulphurei. *Thorax* et *abdomen* toti nigri immaculati.

Obs. *Thorax* in hac specie anticè et posticè rotundatus, *abdominis* segmentum primum brevius et hirsuties *Vespæ* faciem simulant.

This species, which very much resembles a *Vespa*, was met with in some abundance by Lieut. Graves in Chili.

\*34. ODYNERUS LABIATUS, n. s.

*Abdominis* cingulis duobus, margine *prothoracis* et clypeo flavis; *antennis*, *pedibus*, *alarum* costâ *squamulisque* rufis. Mas.

Long. corp. 6 lin. Alar. 11 lin.

Mas. Ater, capite et thorace subtilitè punctulatis, pube molli nigrâ obtectis. *Antennæ* mutilatæ; articulus primus qui solus superest rufus. *Mandibulæ* apice rufæ. *Clypeus* sulphureus. *Prothorax* sulphureus, *scapulis* nigris. *Metathorax* minùs abruptè truncatus quàm sequenti, lineolâ longitudinali elevatâ. *Pedes* rufi, coxis nigris. *Alæ* ferrugineæ, costâ usque in stigma rufâ, dehinc fuscæ. *Alæ* posticæ ferè hyalinæ. *Squamulæ* ferrugineæ. *Abdomen* atrum, segmentis primo et secundo margine flavis, primo pubescente reliquis ferè nudis.

From Port St. Elena. Lieut. Graves took a female, and in that sex the clypeus is black.

35. ODYNERUS HUMERALIS, n. s.

*Abdominis* cingulis duobus et strigâ *prothoracis* flavis; *antennis*, ore, *pedibus*, *scapulis*, *alarum* costâ *squamulisque* rufis. Fem.

Long. corp. 9 lin. Alar. 14 lin.

Ater. *Antennæ*, *clypeus*, *palpi* et *mandibulæ* rufæ. *Frons* atro-lanuginosa. *Labium* prælongum. *Rostrum* mandibulare capitis longitudine. *Thorax* rudè punctatus, anticè hispidulus. *Scutellum* et *latera* *metathoracis* lanu-



ginosa. *Scutellum* lineolâ longitudinali impressum. *Metathorax* truncatus, lineolâ longitudinali elevatâ, lateribus angulato-elevatis et serrulatis. *Prothorax* rufus, medio flavus. *Pedes* rufi, coxis nigris. *Alæ* ut in præcedente. *Squamulæ* rufæ. *Abdomen* atrum, segmentis primo et secundo margine flavis.

Taken with the last.

36. DICÆLIUS MERULA, n. s.

*Ater*; *alarum costâ, tibiis tarsisque rufis*. Fem.

Long. corp.  $8\frac{1}{2}$  lin. Alar. 15 lin.

Fem. *Ater* punctulatissimus, villosus. *Caput* breve, rotundatum, pone oculos latè convexum. *Os* breve. *Thorax* immaculatus. *Prothoracis* margo reflexus, elevatus. *Femora* apice, *tibiæ* tarsique rufi. *Tibiæ* et *tarsi* latiusculi, nonnihil compressi. *Calcaria intermedia* minuta, subulata, posteriorum alterum subulatum, alterum breve, latum, compressum, apice emarginatum. *Alæ* fuscæ, costâ usque in stigma rufâ, areolâ cubitali secundâ ferè trigonâ. *Abdominis segmentum primum* pyriforme (ferè ut in *Eumene coarctatâ* efformatum) pubescens; secundum campanulatum et sequentia glabra.

Chili.

\*37. SPHEX LATREILLII. St. Farg.

*Guerin's Mag. d'Ent., pl. 33. ♂.*

Valparaiso and Conception. Mr. Curtis is of opinion that the *Sphex Thunbergii* of Le Peletier St. Fargeau is the female of this superb insect.

\*38. POMPILUS GRAVESII. Curtis's MSS.

*Aureus, maculatim versicolor; antennis basi pedibusque rufis; alis aurantiacis, maculis 2 fuscis*. Fem.

Long. corp. 9 lin. Alar.  $10\frac{1}{2}$  lin.

Fem. *Statura* elongata, ferè ut in genere *Salio*. *Thorax* valdè compressus. *Metathorax* elongatus. *Color* corporis fuscus, clypeo, ore, ano et segmentorum marginibus lateralibus rufescentibus; at totus tomento aureo denso decumbente obductus, unde color aureus flavo fuscoque tessellatus. *Mandibulæ* apice emarginatæ. *Antennæ* fuscæ, basi rufæ. *Palpi* rufi. *Pedes*



rufi. *Tibiae* posticae latere altero levitèr serrulatae, setulis minutis adspersis. *Tarsi* *antici* haud pectinati. *Alae* vix corporis dimidii longitudine, tomentosae, aurantiacae; anticae maculis 2 magnis fuscis, alterâ in medio transversè sitâ marginem utrumque attingente, alterâ rotundatâ intra apicem alae. *Venter* anticè et lateribus ferè glaber; an casu detritus?

Presented to Mr. Curtis by Lieut. T. Graves, R.N., in honour of whom it is named.

39. *POMPILUS BILUNATUS*. *Curt. MSS.*

Long. corp. 10 lin. Alar. 13 lin.

Fem. Sericeus, atro-virens, abdominis segmento secundo suprâ aureo in medio interrupto et maculas duas semiorbiculatas formante.

Maldinado (Gorrite).

40. *POMPILUS FERRUGINIPENNIS*, *n. s.*

*Cyaneus*; *antennis* *alisque* *rufis*. Fem.

Long. corp. 10 lin. Alar. 18 lin.

Fem. A *P. Heroë* differt *antennis* et *tarsis* *gracilioribus*, *horum* *anticis* haud *ciliatis*. *Antennarum* *scapus* *niger*. *Clypeus* *griseo-tomentosus*. *Alae* *rufae*, *costâ* *concolore*, *radice* *nigro-cyaneae*, *apice* *fuscae*.

Cape Gregory.

41. *PEPSIS HEROS*. *Fabr.*

Conception and Gorrite.

CHIRODAMUS.

Genus intermedium inter *Pompilum* et *Planicipitem*. *Pedibus* hunc referens, illum *alis* et *thoracis* formâ.

42. *CHIRODAMUS KINGII*, *n. s.*

*Niger*; *antennis*, *tibiis* *tarsisque* *anticis* *testaceis*; *alis* *cyaneis*. Fem

Long. corp. 8 lin. Alar. 14 lin.

Fem. Nigra, nitida. *Caput* angustum, de vertice antrorsum declive, versus os conico-angustatum. *Antennae* totae *testaceae*. *Os* *nigro-villosum*. *Trophi* mutilati. *Prothorax* latus, haud elongatus, nec angulatus ut



in *Planicipite*. *Pectus* nigro-villosum. *Pedes antici* breves, raptorii, coxis magnis: *femora* crassa, compressa, apice testacea. *Tibiæ* breves, nonnihil arcuatæ, testacæ. *Tarsi* testacei, articulo primo lato compresso apice obliquè producto, articulis intermediis brevissimis pari modo productis quasi digitatis. *Pedes posteriores* mediocres, coxis magnis, femoribus crassis, tibiis haud serrulatis, sed subtilitè spinulosis. *Alæ* cyaneæ, nervuris ut in *Pompilo Heroë*, &c. dispositis. *Abdomen* glabrum, chalybeo-micans.

A single specimen of this remarkable insect was taken at Cape Gregory, Straits of Magellan, which I have the pleasure of dedicating to Captain P. P. King.

As this insect partakes of the characters of both *Pompilus* and *Planiceps*, I have not ventured to refer it to either. It seems more nearly allied to the former, from which the raptorious fore legs would be scarcely sufficient to distinguish it without the peculiar head. The trophi are unluckily lost; but there are great variations of them within the limits of the genus *Pompilus* as at present constituted.

\*43. *SCOLIA QUADRIMACULATA*. *Fabr.*

The male, which seems to have been unknown to Fabricius, has a yellow spot on the basal joint of the abdomen, which has a chalybeous tint; and the 2nd, 3rd, and sometimes the 4th segment are margined with yellow, uniting the lateral spots, which are smaller and paler than those of the female.

Rio de Janeiro.

44. *SCOLIA ARGENTEA*, *n. s.*

*Nigra*; *abdomine argentato*. Fem.

Long. corp.  $9\frac{1}{2}$  lin. Alar. 17 lin.

Fem. *Nigra*, breviter hirta. *Caput* et *thorax* vagè punctata; *metathorax* sublævis. *Pedum calcaria* nigra. *Alæ* lutescentes. *Abdomen* argentatum, incisuris albido-ciliatis.

St. Paul's.

45. *MYRMECODES SCOLIEFORMIS*, *n. s.*

*Niger*; *vittâ frontali et antennis testaceis*. Fem.

Long. corp. 9 lin.



Fem. Animalculum apterum *Proscarabæi* magnitudine; *Scolia* statura, sed thorace angustiore et medio coarctato. *Oculi* minutissimi. *Antennæ* teretes, convolutæ. *Abdominis segmenta* 2 antica coriacea. Niger, obscurus, subtùs præsertim pallido-pubescens. *Vitta* testacea, frontem transcurrens, oculos includit. *Antennæ* ferrugineæ, scapo nigro argenteo-barbato. *Tibiarum spinulæ* et *tarsorum setæ* rufo-piceæ.

Chili.

\*46. MYRMOSA DIMIDIATA, n. s.

*Atra*; abdomine rufo; alis cyaneis. Mas.

Long. corp.  $13\frac{1}{2}$  lin. Alar. 24.

Mas. *Atra*, villosa, antennis et pedibus concoloribus. *Antennæ* capitis et thoracis longitudine, articulis exterioribus curvatis, unde apex antennarum undulatus evadit. *Alæ* castaneæ, cyaneo-micantes. *Abdomen* thorace ferè duplò longius, badium, nitidum, dorso ferè glabrum.

It is possible this may be the *Scolia rufiventris* of Fabricius, of which there is no figure. It was taken by Lieut. Graves in Chili.

\*47. MUTILLA DERASA. Fabr.

Rio de Janeiro.

\*48. LABIDUS LATREILLII. Jurine.

Taken at St. Paul's by Lieut. Graves.

49. ATTA HYSTRIX. Latr.

Gorrite.

\*50. ATTA QUADRIGLUMIS, n. s.

*Nigra*, obscura; ano rufo; occipite et metathorace bispinosis. Aculeata.

Long. corp. 5 lin. Aculeata.

Insectum singulare nec *Atta* genuina ob antennis et ungues difformes. Nigra, obscura, sparsim villosa, tarsi piceis. *Antennæ* solitò crassiores, articulis valdè distinctis, secundo intra primum ferè retracto. *Caput* ovatum, occipite bispini. *Frons* lineâ longitudinali impressa. *Oculi* minutissimi, punctiformes, fulgidi. *Mandibulæ* trigonæ, decurvæ. *Palpi* nulli. *Metathorax* bispinosus. *Segmentum petiolare* primum gibbum, lateribus compressum, basi subtùs mucrone tenui ferrugineo instructum; secundum



nodosum, basi infernè subtilitè retrocuspidatum; segmentum tertium, campanulatum, abdominis tres partes occupans. *Anus* ferrugineus, manifestè aculeatus. *Pedes* longi, validiusculi, calcaria numero 1:2:2, parium posteriorum tenuissima, subulata. *Ungues* bidentes.

Taken at Rio de Janeiro and also at St. Catherine's by Lieut. Graves.

This species cannot be referred without violence to any of the established genera of Ants; but I am not sufficiently acquainted with the family to attempt characterizing the group to which it belongs.

51. MYRMICA ———?

Species minutissima, *Polistis* collum mordicus amplexa, nec discriminis certioris habilis.

52. PONERA TARSATA. *Fabr.*

St. Catherine's.

53. FORMICA STRENUA, *n. s.*

*Glabra, ferruginea; abdomine fusco; antennis subclavatis. Aculeata.*

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

*Corpus* nitidum, glabrum. *Thoracis dorsum* medio depressum.

Port Famine.

54. FORMICA CASTANEA. *Latr.*

St. Catherine's.

55. FORMICA MACULATA. *Fabr.*

St. Catherine's.

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HYMENOPTERA.

Stirps. PUPIVORA.

Fam. ICHNEUMONIDÆ.

Trib. GENUINÆ.

Gen. *Ichneumon*.

Subg. *Ichneumon*.

1. xanthorrhæus.

2. plebeius.

3. patricius.

Gen. *Cryptus*.

Subg. *Phygadeuon*.

4. prælatus.

Subg. *Trachysphyrus*.

5. imperialis.

Subg. *Cryptus*.



6. *bellicosus*.  
 Gen. *Pimpla*.  
 Subg. *Pimpla*.  
 7. *Sponsa*.  
 Gen. *Ophion*.  
 Subg. *Campoplex*.  
 8. *fugitivus*.  
 Subg. *Ophion*.  
 9. *luteus*. *Linn.*  
 Fam. EVANIIDÆ.  
 Gen. *Evania*.  
 10. *lævigata*. *Latr.*  
 Stirps. TUBULIFERA.  
 Fam. CHRYSIDÆ.  
 Gen. *Chrysis*.  
 11. *cærulans*. *Fabr.*  
 Stirps. MELLIFERA.  
 Fam. APIDÆ.  
 Trib. SOLITARIE.  
 Sect. ANDRENOIDEÆ.  
 Gen. *Xylocopa*.  
 12. *Morio*. *Fabr.*  
 Sect. DASYGASTRES.  
 Gen. *Megachile*.  
 13. *susurrans*.  
 14. *squalens*.  
 Gen. *Cælioxys*.  
 15. *prætextata*.  
 Sect. SCOPULIPEDES.  
 Gen. *Ancylosceles*.  
 16. *ursinus*.  
 Trib. SOCIALES.  
 Gen. *Melipona*.  
 17. *favosa*. *Fabr.*

18. *ruficrus*. *Latr.*  
 Gen. *Trigona*.  
 19. *Amalthea*. *Fabr.*  
 Gen. *Bombus*.  
 20. *Cajennensis*. *Fabr.*  
 21. *nigripes*.  
 Fam. ANDRENIDÆ.  
 Gen. *Halictus*.  
 22. *rubellus*.  
 23. *metallicus*. *Fabr.*  
 Gen. *Andrena*.  
 24. *cyanescens*.  
 Gen. *Colletes*.  
 26. *occidentalis*.  
 Stirps. DIPLOPTERA.  
 Fam. VESPIDÆ.  
 Trib. SOCIALES.  
 Gen. *Polistes*.  
 Subg. *Epipone*.  
 27. *cyanea*. *Fabr.*  
 Subg. *Polistes*.  
 28. *ignobilis*.  
 29. *multipictus*.  
 30. *biguttatus*.  
 31. *apicalis*. *Fabr.*  
 32. *Actæon*.  
 Trib. SOLITARIE.  
 Gen. *Odynerus*.  
 33. *vespiformis*.  
 34. *labiatus*.  
 35. *humeralis*.  
 Gen. *Eumenes*.  
 Subg. *Dicælius*.  
 36. *Merula*.



Stirps. FOSSORIA.

Fam. SPHEGIDÆ.

Gen. *Sphex*.

37. *Latreillii*. *St. Farg.*

Fam. POMPILIDÆ.

Gen. *Pompilus*.

38. *Gravesii*.

39. *bilunatus*.

40. *ferruginipennis*.

Subg. *Pepsis*.

41. *Heros*. *Fabr.*

Subg. *Chirodamus*.

42. *Kingii*.

Fam. SCOLIADÆ.

Gen. *Scolia*.

43. *quadrinaculata*. *Fabr.*

44. *argentea*.

Gen. *Myrmecodes*.

45. *scoliaformis*.

Stirps. HETEROGYNA.

Fam. MUTILLIDÆ.

Gen. *Myrmosa*.

46. *dimidiata*.

Gen. *Mutilla*.

47. *derasa*. *Fabr.*

Fam. DORYLIDÆ.

Gen. *Labidus*.

48. *Latreillii*. *Jur.*

Fam. FORMICIDÆ.

Gen. *Atta*.

49. *Hystrix*. *Latr.*

50. *quadriglumis*.

Gen. *Myrmica*.

51. ————?

Gen. *Ponera*.

52. *tarsata*. *Fabr.*

Gen. *Formica*.

53. *strenua*.

54. *castanea*. *Latr.*

55. *maculata*. *Fabr.*

*Descriptions, &c. of the*

DIPTERA.

By FRANCIS WALKER, *Esq.*, *F.L.S.*, &c.

1. CULEX MOLESTUS.

CULICI pipienti *similis at validior, illo quoque et Culicibus plerisque pedibus brevioribus et paullo crassioribus discrepans.*

*Culex molestus.* Kollar, *Brasilien's verzuglich lastige Insecten*, p. 18. fig. 13.

Corp. long. 2 lin. Alar.  $3\frac{3}{4}$  lin.

Fem. *Caput fuscum: oculi obscuri: antennae obscurè fuscae, pilosae: os fuscum: labium flavum: pectus flavescens: thorax obscurè fuscus; vittae vix*

*Actually 1836  
[See Kollar 1970]*



conspicuæ: *abdomen* fuscum; *segmenta* basi sordidè flava: *pedes* pallidè fusci, pubescentes; *coxæ* et *femora* flava: *alæ* hyalinæ, iridescentes, ciliatæ, costam versus flavescentes; *nervi* pallidè fusci, pilosi, ad costam obscuriores: *halteres* flavi, apice fusci.

Taken at Monte Video in Brazil, where it abounds, and is called the Mosquito by the inhabitants.

\* 2. *CHIRONOMUS ANTARCTICUS*, n. s.

Mas et fem. *Canus*, *thorace maculato*, *abdomine nigro*, *pedibus obscure flavis*, *alis albo-hyalinis*.

Corp. long.  $2\frac{1}{4}$ — $2\frac{1}{2}$  lin. Alar.  $3\frac{3}{4}$ —4 lin.

*Caput* canum: *oculi* nigri: *antennæ* nigro-fuscæ: *os* fuscum: *thorax* canus, maculis 3 nigris, mediâ antepositâ; *pectus* nigrum, nitidum: *abdomen* nigrum, pubescens; *segmenta* apice fusca, *mari* ferè nigra: *mari pedes* pallidè flavi, pilosi; *fem.* obscure flavi, pubescentes; *tarsi* fusci: *alæ* albo-hyalinæ, iridescentes; *punctum* solitum fuscum; *nervi* costales fusci, benè determinati; cæteri vix conspicui: *halteres* obscure flavi.

Taken at Port Famine in the Straits of Magellan.

3. *CHIRONOMUS LATERALIS*, n. s.

Mas. *Ater*, *thoracis lateribus anticè rufis*, *pedibus nigro-fuscis*, *alis subfuscis*.

Corp. long.  $1$ — $1\frac{1}{6}$  lin. Alar.  $1\frac{3}{4}$ —2 lin.

*Ater*, nitidus: *antennæ* nigræ: *os* fuscum: *thorax* utrinque anticè rufus: *abdomen* nigrum, obscurum, pubescens: *pedes* nigro-fusci, pubescentes: *alæ* subfuscæ, iridescentes; *nervi* fusci, optimè determinati: *halteres* albi.

Taken at Port Famine in the Straits of Magellan.

\* 4. *GONOMYIA?* *ANTARCTICA*, n. s.

Mas et fem. *Fusca*, *obscura*, *thorace utrinque maculato*, *pedibus basi flavis*, *alis subhyalinis*.

Corp. long.  $2\frac{1}{2}$ —3 lin. Alar.  $6\frac{1}{2}$  lin.

*Gonomyid* non benè convenit; *alarum nervi* nonnulli dissimiles: *caput* fuscum: *antennæ* nigro-fuscæ, pilosæ: *thorax* griseus, fusco trivittatus; *vitta* media lata; *vittæ* laterales angustiores, breviores: *abdomen* sordidè fusco-



fulvum, obscurum, pubescens: *pedes* fusci, parcè pubescentes; *femora* basi et *trochanteres* fusca: *alæ* subhyalinæ; *macula* subcostalis apicem versus fusca; *nervi* fusci; *nervuli* transversi fusco limbati: *halteres* flavi.

Taken at Port Famine in the Straits of Magellan.

5. GONOMYIA? VARIEGATA, n. s.

Fem. *Flava*, *thorace* brunneo vittato, *abdomine* fusco fasciato, *alis* hyalinis.

Corp. long.  $2\frac{1}{2}$  lin. Alar. 6 lin.

*Caput* et *pedes* adempta: *thorax* flavus, suprà castaneus flavo 4-vittatus; *vittæ* laterales latiores: *abdomen* flavum; *segmenta* supra basi flava, apice fusca: *oviductus* flavus: *alæ* hyalinæ, iridescentes; *macula* cuique apicem versus parva subcostalis; *nervi* fusci; *nervuli* transversi fusco sublimbati: *halteres* flavi.

Taken at St. Paul in Brazil.

6. TIPULA GRACILIPES, n. s.

Fem. *Fusco-ferruginea*, T. vittatæ similis, *pedes* graciliores.

Corp. long. 8 lin. Alar. 16 lin.

Fusco-ferruginea, obscura, parcè pubescens: *caput* ferrugineum, anticè nitens, ante oculos suprà albicans: *oculi* nigri: *palpi* fusci: *antennæ* fuscæ, nudæ; *articuli* 1us et 2us omninò sequentesque apice fulvi: *thorax* fusco-ferrugineus, posticè subtùs et utrinque fulvus: *abdomen* fuscum, subtùs fulvum; *segmenta* apice fulva, 1um et 2um fulvo latè fasciata, illum basi utrinque nigrum: *oviductus* fulvus, nitens: *pedes* fusci, pubescentes, graciles; *coxæ*, *trochanteres*, *femora* basi et *genua* fulva; *tarsi* longissimi, intorti: *alæ* fuscæ, iridescentes, ad costam obscuriores; *maculæ* in disco 4 subhyalinæ et totidem obscurè fuscæ, *vittæ*que nonnullæ hyalinæ indistinctæ; *nervi* nigro-fusci: *halteres* fusci.

Taken at St. Paul in Brazil.

7. TIPULA PICTIPENNIS, n. s.

Fem. *Cana*, *thorace* vittis brunneis, *abdomine* fulvo maculis nigris, *pedibus* fuscis, *alis* variegatis.

Corp. long.  $8\frac{1}{2}$  lin. Alar. 16 lin.



Cana, obscura, parcè pubescens : *caput* brunneo vittatum : *oculi* nigri : *palpi* nigro-fusci : *antennæ* concolores, pilosæ ; *articulus 2us* flavus : *thorax* suprâ ante alas brunneo quadri-vittatus, inter alas quadri-maculatus, post alas uni-vittatus ; *vittæ dorsales* angustæ ; *maculæ laterales* parvæ : *abdomen* obscurè fulvum ; *vitta dorsalis segmento omni maculaque* utrinque nigræ : *oviductus* castaneus, nitidus : *pedes* fusci, pubescentes ; *coxæ* canæ ; *femora* fulva, basi et ante apices flava, apice nigra ; *tibiæ* apice nigræ : *alæ* hyalinæ, iridescentes, maculis fasciisque plurimis fuscis ; *costa alæque* disco *macula* flavæ : *halteres* fusci, apice obscuriores, basi fulvi.

Taken at Port Famine in the Straits of Magellan.

#### 8. SCIOPHILA ANTARCTICA, *n. s.*

Mas. *Fusca, abdomine nigro-fusco incisuris pallidis, pedibus flavis, alis subhyalinis.*

Corp. long.  $1\frac{1}{2}$  lin. Alar. 3 lin.

(Div. C. Meigen.) *Sciophilæ hirtæ* affinis. *Fusca* : *oculi* et *palpi* nigri : *antennæ* fuscæ, basi flavæ : *abdomen* nigro-fuscum ; *incisuræ* pallidæ : *pedes* flavi ; *tarsi* fusci : *alæ* subhyalinæ, immaculatæ, iridescentes ; *nervi* fusci : *halteres* flavi, apice fusci.

Taken at Port Famine in the Straits of Magellan.

#### 9. LEIA NUBILIPENNIS, *n. s.*

*Nigra, thorace utrinque fulvo, abdomine fulvescente, pedibus flavis, alis subhyalinis.*

Corp. long.  $1\frac{1}{2}$  lin. Alar. 3 lin.

(Div. B. b. Meigen.) *Caput* et *mesopedes* adempta : *thorax* niger, nitidus, anticè utrinque fulvus : *abdomen* nigrum, obscurum, pubescens ; *discus* obscurè fulvus : *pedes* flavi ; *coxæ* apice, *tibiæ tarsique* fusca : *metatibiæ* spinosæ : *alæ* subhyalinæ, iridescentes, maculis plurimis magnis sed indistinctis fuscis ; *nervi* fusci : *halteres* straminei.

Taken at Port Famine in the Straits of Magellan.



10. *PLATYURA*? *INSOLITA*, *n. s.*

Mas. *Nigra*, *thorace fulvo vittato*, *pedibus fuscis*, *femoribus flavis*, *alis hyalinis fusco maculatis*.

Corp. long.  $2\frac{1}{2}$  lin. Alar.  $4\frac{1}{2}$  lin.

*Platyuris* Europæ plerisque non convenit; *nervus* transversus apicalis multò longior, subarcuatus, alæ apicem ferè attingens. *P. tipuloide* sat benè quadrat: *caput* nigrum, obscurum: *os* flavescens: *antennæ* nigræ; *articuli* 1us et 2us flavi: *thorax* niger, nitidus, fulvo quadri-vittatus; *vittæ* utrinque anticè connexæ; *scutellum* fuscum, pilosum: *abdomen* nigrum, pubescens, obscurum; *apex* et *incisuræ* fusca: *pedes* flavi; *tibiæ* fuscae, parcè spinosæ; *tarsi* nigro-fusci: *alæ* hyalinæ, iridescentes, fasciis 2 fuscis, una media curvata, altera apicalis latior, ambæ ad costam obscuriores; *nervi* nigro-fusci: *halteres* pallidè flavi, apice pallidè fusci.

Taken in Chili.

11. *N. G.*

Corp. long.  $2\frac{2}{3}$  lin.? Alar.  $5\frac{1}{4}$  lin.

Novi generis specimen unicum cui caput et abdomen adempta, *Leicæ* similis, sed propter costam impressam et nervos subcostales *Penthetricæ* affinis: *nervorum* dispositio propria: *thorax* fulvus, vittis 3 latis badiis: *abdomen* fuscum? *pedes* fulvi, inermes; *tarsorum articuli* apice fusci: *alæ* hyalinæ, iridescentes; *vittæ* media et apicalis subfuscae, hæc lata, illa curvata; *maculæ* ad costam 2 sat magnæ et sub costam totidem minores fuscae; *cellula discoidalis* magna, longa, completa; *nervi* fusci: *halteres* straminei.

Taken at Port Famine in the Straits of Magellan.

\* 12. *PLECIA* *COLLARIS*.

Mas et fem. *Atra*, *thorace rufo*, *pedibus nigro-brunneis*, *alis subfuscis*.

*Hirtea collaris*. *Fabr. Syst. Antl.* 54. 12.

*Plecia collaris*. *Wied. Dipt. Exot.* i. 32. 3.; *Aussereurop. Zweifl.* i. 74. 3.

Corp. long.  $1\frac{3}{4}$ — $2\frac{3}{4}$  lin. Alar.  $3\frac{1}{2}$ — $5\frac{1}{2}$  lin.

*Caput* nigrum, obscurum: *antennæ* nigræ; *articulus* 2us rufescens: *os* nigrum: *thorax* rufus, nitidus, glaber, tristriatus, anticè ater, posticè fuscus; *striae* griseæ: *abdomen* nigrum, obscurum, pubescens: *pedes* nigro-brunnei,



densè pubescentes: *alæ* subfuscae; *costa* saturatior; *nervi* fusco sublimbati: *halteres* rufo-fusci, apice nigri.

Taken at St. Paul and at Rio Janeiro in Brazil.

\*13. *PLECIA MAURA*, *n. s.*

Mas et fem. *Omninò atra, alis fuscis.*

Corp. long. 4—5 lin. Alar. 8—10 lin.

*Atra*, obscura, *P. funebri* similis at multò major: *oculi* nigro-fusci: *thorax* tristriatus: *abdomen* pubescens: *pedes* pubescentes: *alæ* fuscae; *costa* saturatior; *nervi* fusco limbati.

An abundant species; many were taken at St. Catherine, in Brazil, by Lieut. T. Graves, R.N.

14. *BIBIO ANTARCTICA*, *n. s.*

Fem. *Atra, thorace rufo maculato, pedibus fuscis, femoribus flavis, alis hyalinis.*

Corp. long. 2 lin. Alar. 4 lin.

*Caput* nigrum, obscurum: *thorax* ater, nitidus, anticè rufo bifasciatus; *vittæ* in disco 4 rufæ posticè connexæ: *abdomen* nigrum, obscurum, pubescens: *pedes* fusci, pubescentes; *femora* flava, nitida, apice basique fusca: *alæ* hyalinæ, iridescentes; *macula* ad costam oblonga, fusca; *nervi costales* fusci; cæteri pallidè flavi: *halteres* fulvi, apice nigro-fusci.

Taken at Port Famine in the Straits of Magellan.

\*15. *TABANUS LATUS*. (= *Oscia*, Walk.)

Fem. *Ater; thorax subtùs anticè et utrinque abdominisque apex pilis rufis hirti.*

*Tabanus latus*. Guérin, *Iconographie de Règne Animal, Insectes*, pl. 77. fig. 1.

Corp. long. 7 lin. Alar. 13 lin.

*Corpus* nigro-griseum, obscurum, pubescens: *caput* subtùs anticè et utrinque pilis rufis hirtum: *oculi* nigro-fusci: *ocelli* 3 distincti: *os* nigrum, *thorace* brevius: *antennæ* nigro-fuscae, non furcatæ: *thorax* suprà utrinque pilis nigris, subtùs anticè et utrinque pilis rufis hirtus: *abdomen* nigrum, ferè lineare, apice paullò latius, nitidum, punctulatum; *puncta* quoque majora in ordinibus 2 utrinque collocata, præterquam segmento apicali



omni 4; segmentorum 3i, 4i et 5i latera nigro-hirta; 6um et 7um rufa, pilis concoloribus hirta: *pedes* nigri, pubescentes: *pulvilli* fusci: *alæ* sub-fuscæ, basi et ad costam obscuriores; *nervi* nigro-fusci, apice mutabiles; *squamæ* concolores; *squamulæ* nigræ: *halteres* fusci, apice nigri.

Many specimens of this fine species were taken at Conception, on the coast of Chili, by Lieut. T. Graves.

16. PANGONIA CORNUTA, n. s. (= *Stibasoma* *Seliner*)  
H.O.

Fem. *Rufa*, abdomine flavo, alis subhyalinis.

Corp. long.  $4\frac{1}{2}$  lin. Alar. 10 lin.

*P. furcata* affinis. *Caput* rufescens, subtùs anticè et utrinque niveum pilisque niveis ornatum: *oculi* ænei: *ocelli* non conspicui: *antennæ* rufæ; *articuli* 1us et 2us pilis nigris parcis hirti; *articuli* 3i furca basi exeuns longissima, apice pilosa; *articulus ultimus* quoque apice pilosus: *os* rufum, thorace brevius, apice nigrum et nitidum: *palpi* pilis albis, nonnullis quoque nigris et crassioribus hirti: *thorax* rufus, suprâ griseo-pubescent, subtùs albo pubescens et pilosus: *abdomen* flavum, pilis concoloribus hirtum; *segmenta apicalia* suprâ rufa et pilis nigris hirta: *pedes* rufi, nigro pubescentes; *pro-* et *mesotibiæ* albo pubescentes; *metatibiæ*, *tarsi*, *ungues* et *pulvilli* rufo-fusca: *alæ* subhyalinæ; *costa* et *nervi* flava, hi apice fusci; *squamulæ* et *squamæ* fuscæ: *halteres* flavi, apice straminei.

Taken at St. Paul in Brazil.

17. TABANUS VARIPES, n. s.

Mas. *Fuscus*, vittatus, abdomine ferrugineo maculato, pedibus nigris fulvo cinctis, alis hyalinis.

Corp. long.  $5\frac{1}{3}$  lin. Alar.  $10\frac{1}{2}$  lin.

*Caput* fuscum, lanugine densâ vestitum alba: *os* nigro-fuscum, pubescens, breve: *palpi* albidi: *oculi* nigro-ænei: *antennæ* nigræ, simplices; *articuli* 1us et 2us rufi: *thorax* fuscus, obsoletè trivittatus, obscurus, pilis suprâ parcis subtùs et utrinque densis pallidè fuscis hirtus: *abdomen* ferrugineum, pilis flavis hirtum, suprâ è maculis trigonis fulvis trivittatum, basi apice et medio fuscum: *pedes* nigri, pubescentes; *femora* apice *tibiæ*que nisi ad apices fulva: *pulvilli* fulvi: *alæ* hyalinæ, iridescentes; *costa* et



*squamulæ* fulva; *nervi* fusci, basi flavescentes; *squamæ* albæ: *halteres* flavi, apice albidi, ante apices fusco cingulati.

Taken at Gorrite.

18. *TABANUS ALBOHIRTUS*, n. s.

Fœm. *Niger, ferrugineo variegatus, pedibus ferrugineis, alis hyalinis.*

Corp. long. 5 lin. Alar.  $9\frac{2}{3}$  lin.

*Caput* ferrugineum, densè albo pubescens, subtùs pilis longioribus hirtum: *os* nigro-fuscum, breve: *palpi* albi: *antennæ* nigræ, simplices; *articuli* 1us et 2us lætè flavi; *oculi* ænei: *thorax* niger, griseo obsoletè 5-vittatus, albo suprà parcè subtùs densè pubescens; *latera* ferruginea; *abdomen* nigrum, albo pubescens, subtùs ferrugineum, apice nigro-fuscum; *segmenta* omnia apice necnon 1um, 2um et 3um utrinque ferruginea: *pedes* ferruginei, pubescentes; *femora* basi et *coxæ* nigra; *propedum tibiæ* apice *tarsique* nigra: *alæ* hyalinæ, iridescentes; *squamulæ* fuscæ; *costa et nervi* flava, hi apice fusci; *squamæ* albæ: *halteres* flavi, apice albi.

Taken at Cape Gregory.

\*19. *TABANUS TRITUS*, n. s.

Fœm. *Nigro-fuscus, griseo maculatus, pedibus nigro-fuscis, alis subhyalinis.*

Corp. long. 4 lin. Alar.  $7\frac{3}{4}$  lin.

*Nigro-fuscus, griseo pubescens: caput* fuscum, pilis albidis densis hirtum: *os* breve; *palpi* fusci: *antennæ* nigræ; *articuli* 3us et sequentes adempti: *thorax* nigro-fuscus, griseo 5-vittatus, pilis griseo-fulvis hirtus: *abdomen* nigro-fuscum, suprà è maculis quadrifariàm trigonis griseis vittatum; *segmenta* apice cana: *pedes* nigro-fusci, pubescentes; *tibiæ* basi, *genua* et *pulvilli* fulva: *alæ* subhyalinæ, non iridescentes; *squamulæ* fuscæ; *nervi* nigro-fusci, basi pallidiores; *nervi transversi* fusco limbati; *squamæ* sordidè albidæ: *halteres* fusci; *clava* nigra, apice fusca.

Taken at Cape Gregory.

20. *XYLOPHAGUS VITTATUS*, n. s.

Mas. *Ater, capite thoraceque flavo maculatis, pedibus nigris, alis fuscis.*

Corp. long.  $2\frac{1}{2}$  lin. Alar. 5 lin.

(Div. B. Meigen.) *Caput* nigrum, anticè et posticè flavo maculatum, subtùs



albo pubescens: *oculi* rufi: *antennæ* et *os* nigra: *thorax* ater, obscurus, supra flavo 4-vittatus, subtùs albo pubescens; *scutellum* flavum: *abdomen* nigrum, obscurum, pubescens: *pedes* nigri, pubescentes; *femora* et *tibiæ* nitida; *tarsi* subtùs pilis rufis hirti: *alæ* obscurè fuscæ, iridescentes, pubescentes, basi nigro-fuscæ; *costa*, *squamulæ* et *nervi* nigro-fusca; *squamæ* sordidè albidæ: *halteres* flavi, apice straminei.

Taken at St. Paul in Brazil.

\*21. MIDAS NOTOSPILUS.

Mas et fem. *Ater*, *thorace* albo-maculato, *abdomine* rufo-cingulato, *pedibus* rufo-fuscis, *alis* fulvescentibus.

Midas notospilus. *Wied. Aussereurop. Zweifl.* i. 244. 10.

Corp. long. 7 lin. Alar.  $10\frac{1}{2}$  lin.

*Caput* nigrum, parùm nitens, pilis suprà albidis subtùs griseis hirtum: *oculi* nigro-fusci, subtùs albo marginati: *antennæ* nigræ, *mari* apice fuscæ, *fem.* apice rufo-fuscæ: *thorax* niger, obscurus, maculis utrinque 3 albis et 2 rufis ornatus: *abdomen* nigrum, nitidum, pubescens, basi utrinque albo maculatum; *segmenta* apice rufa: *mari* *pedes* obscurè rufi; *coxæ* omnes necnon *metapedum femora* et *tibiæ* suprà fusca: *fem.* *pedes* lætè rufi; *coxæ* fuscæ: *alæ* fulvescentes; *costa* saturatior; *squamulæ* rufo-fuscæ; *nervi* fulvi; *squamæ* flavescentes: *halteres* fusci, apice rufi.

Taken at Gorrite by Lieut. Graves.

\*22. ANTHRAX ERYTHROCEPHALA.

Fem. *Nigra*, *capite* rufo, *abdomine* cyaneo, *alis* nigris maculis nonnullis hyalinis.

*Stomoxys* Morio. *Fabr. Ent. Syst.* iv. 393. 1.; *Syst. Antl.* 279. 1.

*Anthrax erythrocephala.* *Fabr. Syst. Antl.* 118. 4. *Wied. Dipt. Exot.* i. 1203.; *Aussereurop. Zweifl.* i. 256. 5.

Corp. long.  $5\frac{1}{2}$  lin. Alar. 11 lin.

*Caput* lætè rufum: *oculi*, *antennæ* et *os* nigra: *thorax* niger, obscurus, pilis anticè et utrinque lætè rufis et post *alæ* basin utrinque albis hirtus: *abdomen* cyaneum, parùm nitens, subtùs nigrum; *latera* et *apex* pilis nigris hirta: *pedes* nigri, obscuri, pubescentes: *alæ* nigræ; *maculæ* 3 connexæ



fasciam abbreviatam margine porrectam postico fingentes; puncta 3 et apex hyalina; *squamulæ* et *squamæ* nigræ: *halteres* fusci.

Taken at Conception.

23. *ASILUS VETUSTUS*, *n. s.*

Mas. *Ferrugineo-griseus*, abdomine rufo, pedibus nigris, alis subhyalinis.

Corp. long. 11—12 lin. Alar.  $18\frac{1}{2}$ —20 lin.

(Div. I. Wied.) *Caput* nigrum, pilis albis densissimis et subtùs longissimis hirtum: *oculi* nigro-fusci: *os* nigrum: *antennæ* nigræ: *articulus apicalis* s. 4us fuscus, apice albus: *thorax* griseus ferrugineo confusus, subtùs pilis albis densè hirtus; latera rufo-cana, pilis anticè nigris posticè albis spinisque nonnullis flavis et nigris hirta: *abdomen* rufum, albo parcè pubescens, apice setosum; *segmenta* 1um et 2um nigra, pilis utrinque et subtùs albis densisque hirta; *segmenta apicalia* nitida, glabra, supra nigra; *segmenta* 1o ad 4um ventralia cana, incisuris nigris: *pedes* nigri, pilis albis setisque nigris hirti; *pulvilli* rufo-fusci: *alæ* subhyalinæ; *squamulæ* et *nervi* fusca, hi basi rufi: *halteres* fulvi, apice fusci.

Taken at Gorrite.

24. *ASILUS MACROTELUS*, *n. s.*

Mas. *Griseo ferrugineus*, abdomine apice rufo, pedibus rufis, alis subhyalinis.

Corp. long.  $10\frac{1}{4}$ —11. Alar. 15— $15\frac{1}{2}$  lin.

*Caput* obscurè rufum, anticè et subtùs pilis densis albis hirtum: *oculi* nigro-ænei: *os* fuscum: *antennæ* rufæ; *articulus apicalis* fuscus: *thorax* ferrugineo-fuscus, vittis 2 utrinque obliquis 3que rectis griseis; latera rufo-cana; *scutellum* griseum, apice ferrugineum: *abdomen* longum, angustum, apice setosum; *segmenta* 1o ad 5um ferruginea, pubescentia; sequentia rufa, nitida, glabra: *pedes* rufi, pubescentes, spinis nigris armati; *coxæ* canæ; *femora* rufo-fusca; *tarsi* nigro-fusci; *ungues* nigri; *pulvilli* fulvi: *alæ* subhyalinæ; *squamulæ* et *nervi* fusca, hi fulvo sublimbati; *nervus costalis* nigro-fuscus: *halteres* fulvi.

Taken at Gorrite.

\*25. *ASILUS MUCIDUS*, *n. s.*

Mas. *Fuscus*, abdomine subtùs albo, pedibus rufis, alis hyalinis.



Corp. long. 7 lin. Alar. 12 lin.

*Caput* nigrum, pilis anticè et subtùs densis albis necnon anticè nigris et par-  
cis hirtum: *oculi* æneo-rufi: *antennæ* nigræ; *articuli* 3us et sequentes  
adempti: *os* nigrum: *thorax* nigro-fuscus, albo pubescens, suprà albo tri-  
vittatus; *latera* cana: *abdomen* fuscum, pilis albis densè hirtum, subtus  
album; *vitta dorsalis* nigro-fusca, glabra: *pedes* rufi, pilis albis spinisque  
nigris hirti; *femora* et *tibiæ* suprà nigro vittata; *ungues* nigri; *pulvilli*  
fulvi: *alæ* hyalinæ; *squamulæ* fuscæ; *nervi* nigro-fusci, basi fusci, ad  
costam nigri: *halteres* fulvi.

Taken at Port St. Elena in December by Lieut. Graves.

26. EMPIS ANTARCTICA, n. s.

Mas et fem. E. pennariæ similis; *pedes* vix pubescentes.

Corp. long.  $1\frac{1}{4}$ — $1\frac{3}{4}$  lin. Alar. 3— $3\frac{1}{2}$  lin.

(Drv. A. Meigen.) Grisea, unicolor: *oculi* rufi: *antennæ* et *os* nigra: *pedes*  
rufo-fusci, vix pubescentes; *mari* protarsi articulo 1o dilatato: *alæ* hya-  
linæ, iridescentes; *costa* flavescens; *squamulæ* rufæ; *nervi* et *halteres*  
fulvi.

Taken at Port Famine in the Straits of Magellan.

27. EMPIS FULVA, n. s.

*Fulva*, *thorace* suprà fusco, *pedibus* fulvis, *alis* subhyalinis.

Corp. long.  $2\frac{1}{2}$  lin. Alar. 5 lin.

*Fulva*, flavo variegata, parcè pilosa: *oculi* fusci: *os* flavum, apice nigrum:  
*antennæ* rufæ: *thoracis* *discus* fuscus: *pedes* fulvi, vix pubescentes; *coxæ*  
fuscæ: *alæ* subhyalinæ; *nervi* fulvi, ad costam flavi flavoque limbati:  
*halteres* fulvi.

Taken at Port Famine in the Straits of Magellan.

\*28. CYPHOMYIA COSTALIS, n. s.

Fem. Nigra, abdomine fulvo, *pedibus* rufis, *alis* flavo-hyalinis.

Corp. long. 4 lin. Alar. 8 lin.

*Caput* nigrum, aureo pilosum, anticè flavo varium: *oculi* nigro-fusci, flavo-



cingulati: *antennæ* nigræ; *articulus* 1us flavus, apice niger; 3us et sequentes adempti: *thorax* niger, aureo pubescens, utrinque ad alæ basin viridis: *abdomen* fulvum; *segmenta ventralia* nigra, apice fulva: *pedes* pallidè rufi, argenteo pubescentes; *coxæ* et *femora* fusca, hæ apice rufa: *alæ* flavo-hyalinæ, iridescentes; *costa* et *nervi* flava, illa alæ apicem versus fusca: *halteres* rufi, apice virides.

Taken at St. Paul in Brazil.

29. PARAGUS? SCUTELLARIS, *n. s.*

Fem. *Nigro-viridis*, *scutello abdominisque segmentis* 1o, 3o et 4o *flavo maculatis*, *pedibus nigris rufo variis*, *alis hyalinis*.

Corp. long.  $3\frac{2}{3}$  lin. Alar. 6 lin.

*Bacchæ* propter abdomen basi angustum et compressum similis, et eâ de causâ *Parago* differt: *caput* nigro-cyaneum, nitens, glabrum, utrinque anticè album: *oculi* æneo-rufi, posticè lanugine alba marginati: *antennæ* rufo-fuscæ: *thorax* nigro-viridis, obscurus; *scutellum* flavo circumdatum: *abdomen* atro-violaceum, nitens; *segmenta* primum, tertium et quartum utrinque flavo maculata: *pedes* nigri; *femora* et *metatibiæ* apice basique rufa; *pro-* et *mesotibiæ* rufæ, apice fuscæ; *tarsi* fusci; *metatarsi* nigri: *alæ* hyalinæ, iridescentes; *squamulæ*, *nervi* et *costa* nisi ad apicem fusca: *halteres* rufi.

Taken at St. Paul in Brazil.

30. BACCHA INORNATA, *n. s.*

Mas. *Nigro-ænea*, *capite fulvo*, *abdomine fulvo maculato*, *pedibus flavis*, *alis fuscis*.

Corp. long.  $3\frac{1}{4}$  lin. Alar.  $5\frac{1}{3}$  lin.

Nitens, glabra: *caput* fulvum, anticè flavum: *oculi* rufi: *antennæ* fulvæ: *thorax* nigro-æneus, apice et subtùs fulvus: *abdomen* nigro-æneum; *segmenta* basi utrinque et subtùs fulva: *pedes* flavi; *metafemora* apices versus fusco cingulata; *metatarsi* pallidè fusci: *alæ* fuscæ, iridescentes: *costa* obscurior; *nervi*, *squamæ* et *halteres* fusca.

31. PIPIZA COSTALIS, *n. s.*

Fem. *Atra*, *pedibus rufis nigro et fusco variis*, *alis subhyalinis*.



Corp. long.  $2\frac{1}{2}$  lin. Alar. 5 lin.

Atra, suprà obscura, subtùs nitida: *caput* chalybeum, anticè utrinque argenteo micans: *oculi* rufi, lanugine albâ circumdati: *antennæ* rufæ: *abdomen* pubescens: *pedes* rufi; *coxæ* et *femora* nigra, hæ apice rufa; *pro-* et *mesotibiæ* apice obscuriores; *metatibiæ* fuscæ, basi rufæ; *tarsi* apice fusci; *alæ* subhyalinæ, apice fusco maculatæ; *squamulæ* nigræ; *costa* nigro-fusca; *nervi* fusci: *halteres* rufi.

### 32. PIPIZA LONGICORNIS, n. s.

Mas et fem. *Chalybea*, mari *abdomine* æneo-fusco; fem. *flavo maculato*, *pedibus fulvis fusco variis*, *alis subfuscis*.

Corp. long.  $2\frac{1}{2}$ — $2\frac{3}{4}$  lin. Alar.  $4\frac{3}{4}$ —5 lin.

Mas. *Caput* chalybeo-æneum, anticè utrinque albo micans: *oculi* rufi, albo circumdati: *antennæ* rufæ, capite vix longiores; *articulus* 3us fuscus: *thorax* chalybeo-viridis, nitens, glaber, suprà obsoletè vittatus: *abdomen* æneo-fuscum, nitens, sericeum, apice chalybeum, subtùs fuscum lateribus et apice viridi-æneis; *segmentum* 3um suprà utrinque stramineo maculatum: *pedes* fulvi; *coxæ*, *metafemora* nisi ad basin, *metatibiæ* *tarsique* apice omnes fusca: *alæ* subfuscæ, apice et per costam obscuriores; *squamulæ* et *nervi* fusca; *nervi* transversi fusco limbati: *halteres* fulvi.

Fem. *Caput* chalybeum: *thorax* chalybeus, suprà distinctè vittatus: *abdomen* chalybeum, sericeum, subtùs concolor; *segmentum* 3um utrinque flavo maculatum: *coxæ* et *metafemora* fusca, hæ basi fulva.

### 33. PIPIZA SERICEA, n. s.

Mas. *Atro-chalybea*, *pedibus fuscis*, *alis hyalinis*.

Corp. long.  $3\frac{3}{4}$  lin. Alar. 6 lin.

*Caput* chalybeum, anticè album: *oculi* rufi, posticè lanugine albâ circumdati: *antennæ* rufæ: *thorax* ater, nitens; *latera* pilis albis hirta; *scutellum* rufo-fuscum: *abdomen* atrum, holosericeum, subtùs chalybeum; *segmenta* apice basique violaceo nitentia; *latera* albo pubescentia: *pedes* rufo-fusci; *coxæ* et *metapedes* obscurè fusca: *alæ* hyalinæ, iridescentes; *nervi* fusci, ad costam pallidiores: *halteres* fusci, apice nigro-fusci.

*Var. β. Thorax* omninò chalybeus.



34. *SYRPHUS 8-MACULATUS*, *n. s.*

Fem. *Niger, scutello abdominique fasciis 4 interruptis flavis, pedibus fulvis basi nigris, alis hyalinis.*

Corp. long.  $4\frac{1}{2}$  lin. Alar. 8 lin.

*Syrpho Ribesii* similis: *caput* nigrum, nitidum, anticè fuscum: *antennæ* et *oculi* fusca: *os* nigrum: *thorax* nigro-æneus, fulvo-pubescent; *scutellum* flavum: *abdomen* obscurum, nigrum, thorace latius, planum, maculis suprâ utrinque 4 latis flavis, basi utrinque fulvo pubescens, subtùs flavum: *pedes* fulvi; *coxæ*, *trochanteres* et *femora* basi nigra; *tarsi* suprâ pallidè fusci: *alæ* subhyalinæ, iridescentes; *nervi* et *squamulæ* fusca, illi basi pallidiores; *costa* flavescens: *halteres* flavi.

Taken in Chili.

\*35. *HELOPHILUS CHILENSIS*, *n. s.*

Mas et fem. *Fuscus, thorace fulvo vittato, abdomine atro flavo maculato, pedibus rufis, alis subhyalinis.*

Corp. long.  $4\frac{2}{3}$  lin. Alar.  $7\frac{3}{4}$  lin.

*Caput* fuscum, flavo pubescens, anticè et suprâ fulvum, hic quoque pilis nigris hirtum: *oculi* æneo-rufi: *antennæ* nigro-fuscæ: *os* plerumque concolor: *thorax* nigro-fuscus, fulvo 4-vittatus, pilis flavis hirtus; *scutellum* fulvum: *abdomen* atrum, obscurum, pilis flavis et apice nigris hirtum, subtùs fulvum, maculis suprâ utrinque *mari* 3 flavis et apicem versus 1 sordidè albo, *fem.* 4 pallidè flavis: *pedes* rufi, pilis flavis et griseis hirti; *coxæ* fuscæ: *alæ* subhyalinæ, iridescentes, ad costam obscuriores; *squamulæ* fuscæ; *nervi* nigri, basi fusci; *halteres* flavi.

Taken in Chili; and Mr. Curtis has received it from Edward Bennett, Esq., who took it in Chiloe.

36. *SYRPHUS UNICOLOR*, *n. s.*

*Chalybeo-ater, pedibus rufis nigro variegatis, alis hyalinis.*

Corp. long. 2 lin. Alar.  $4\frac{1}{2}$  lin.

*Chalybeo-ater*, nitens, parcè pubescens: *caput* albido-chalybeum: *oculi* rufo-fusci: *antennæ* fuscæ: *pedes* rufi, pubescentes; *coxæ*, *pro-* et *mesofemora*



basi et *metapedes* nigra: *alæ* hyalinæ, iridescentes; *squamulæ* fuscæ; *costa* apicem versus obscurior; *nervi* nigri, basi fusci: *halteres* fusci.

Taken at Port Famine in the Straits of Magellan.

37. SYRPHUS BASALIS, *n. s.*

*Chalybeus*, *scutello* apice fulvo, *abdomine* æneo-fusco, *pedibus* flavis fusco maculatis, *alis* hyalinis.

Corp. long.  $2\frac{1}{2}$  lin. Alar. 5 lin.

*Caput* chalybeum, anticè flavum: *oculi* rufo-fusci: *antennæ* fuscæ: *thorax* chalybeus, utrinque fulvo pubescens; *scutellum* apice fulvum: *abdomen* æneo-fuscum, utrinque fulvo pubescens, apice nigro-æneum: *pedes* flavi, pubescentes; *femorum* apices suprâ nigro-æneo maculati; *metapedum*, *femora* *tibiæ*que fusco-ænea apice basique flava, *tarsi* fusci: *alæ* hyalinæ, iridescentes; *squamulæ* et *nervi* fusca; *costa* *alæ* apicem versus obscurior: *halteres* flavi.

Taken at St. Paul in Brazil.

38. SYRPHUS IRIDIPENNIS, *n. s.*

Mas. *Æneus*, *abdomine* fusco-chalybeo, *pedibus* rufis fusco cingulatis, *alis* fuscis.

Corp. long.  $3\frac{1}{2}$  lin. Alar.  $7\frac{1}{2}$  lin.

*Syrpho* obscuro similis: æneus, fulvo parcè pubescens: *caput* nigrum, anticè albidum: *oculi* rufo-fusci, posticè lanugine albâ circumdati: *antennæ* fuscæ: *thorax* obscurè æneus, suprâ violaceo univittatus, subtùs chalybeus; *scutellum* lætè æneum: *abdomen* fuscum, chalybeo nitens: *pedes* obscurè rufi; *femora* fusco cingulata; *metapedum* *femora* *tibiæ*que fusca, illa apice basique rufa: *alæ* obscurè fuscæ, iridescentes; *nervi* nigro-fusci; *squamulæ* et *halteres* fusca.

39. SYRPHUS TARSALIS, *n. s.*

*Chalybeus*, *thorace* æneo-atro, *pedibus* fuscis, *metatarsis* albis, *alis* hyalinis anticè nigro-fuscis.

Corp. long. 5 lin. Alar.  $8\frac{1}{2}$  lin.



*Syrpho dimidiato* similis: *caput* ademptum: *thorax* æneo-ater, obscurus, subtùs chalybeus et nitens; *latera* albo-pilosa: *abdomen* chalybeum, nitens, gracile, lineare, utrinque albo-pilosum: *pedes* fusci; *genua* rufa; *metatarsi* albi, articulus basalis fuscus: *alæ* nigro-fuscæ, iridescentes; *margo posticus* et *apex* hyalini; *nervi* nigro-fusci: *halteres* rufi.

\*40. SYRPHUS TIBICEN.

Fem. *Chalybeus*, *scutello* et *abdomine* flavo maculatis, *pedibus* fulvis fusco variegatis, *alis* subhyalinis.

*Syrphus tibicen*. *Wied. Aussereurop. Zweifl.* ii. 127.

Corp. long. 4 lin. Alar. 8 lin.

*Caput* chalybeum, nitens, anticè album, posticè æneum: *oculi* æneo-fusci, lanugine flavâ posticè cingulati: *antennæ* fuscæ: *thorax* chalybeo-æneus, chalybeo per medium flavo utrinque vittatus, subtùs chalybeus; *scutellum* apice et utrinque flavum: *abdomen* atro-chalybeum, obscurum, subtùs pallidius; *segmenta* apice chalybeo-ænea; 1um utrinque flavum, 2um flavo fasciatum, 3um, 4um et 5um maculâ utrinque arcuatâ et vittâ per medium angustâ flavis; maculæ subtùs non benè determinatæ: *pedes* fulvi; *tarsi* nigro-fusci, basi rufi; *metapedum femora* et *tibiæ* fusca, basi fulva: *alæ* subhyalinæ, iridescentes; *costa* apicem versus obscurior; *nervi* nigro-fusci; *squamulæ* et *halteres* flava.

Rather abundant at St. Paul's, Brazil.

\*41. ORNIDIA OBESA.

Mas. *Lætè viridis*, *purpureo cyaneoque* micans, *pedibus* nigro-purpureis, *alis* subhyalinis.

*Syrphus obesus*. *Fab. Syst. Ent.* 763. 5.; *Ent. Syst.* iv. 282. 15.; *Syst. Antl.* 227. 14.

*Volucella obesa*. *Wied. Aussereurop. Zweifl.* ii. 199. 8.

*Ornidia obesa*. *St. Farg. et Sevr. Encycl. Méthod.* x. 786.

Corp. long.  $4\frac{1}{2}$  lin. Alar.  $9\frac{1}{2}$  lin.

*Lætè viridis*, nigro pubescens: *caput* anticè et posticè cyaneum: *oculi* æneo-fusci, pubescentes: *antennæ* rufo-fuscæ: *thorax* cyaneo purpureo cupreoque micans; *scutellum* purpureum, apice cyaneum: *abdomen* viride, cya-



neo purpureoque micans: *pedes* nigro-purpurei, pubescentes; *femora* viridi nitentia: *alæ* subhyalinæ, maculis 2 nigro-fuscis; una *alæ* medio magna, altera apicem versus parva; *costa* flavescens: *nervi* et *squamæ* fusca; *squamulæ* ciliatæ: *halteres* albi.

Taken at Rio Janeiro in Brazil.

\*42. *ERISTALIS LATERALIS*, n. s.

Mas. *Fuscus*, *scutello flavo*, *abdomine nigro-æneo flavo maculato*, *pedibus nigro-fuscis*, *alis hyalinis*.

Corp. long.  $3\frac{1}{2}$  lin. Alar.  $5\frac{1}{4}$  lin.

*Caput* nigrum, pilis griseo-fulvis hirtum, anticè fulvum: *oculi* æneo-fusci: *os* nigrum: *antennæ* rufo-fuscæ: *thorax* fuscus, pilis fulvis hirtus, subtùs niger; *scutellum* flavum: *abdomen* nigro-æneum, subnitens, pilis nigris flavisque hirtum, subtùs flavum, apice nigrum; *segmenta* apice flava, 2um et 3um utrinque latè flava, penultimum basi chalybeum: *pedes* nigri, pubescentes; *femora* apice flava; *tibiæ tarsique* fusca, illæ basi flavæ: *alæ* hyalinæ; *nervi* nigro-fusci, basi fusci; *squamulæ* fuscæ; *squamæ* albidæ, flavo ciliatæ: *halteres* flavi.

Taken in Chili.

43. *CHIROMYZA VITTATA*.

Fem. *Fulva*, *fusco maculata*, *pedibus rufis*, *alis fulvo-fuscis*.

*Chiromyza vittata*. *Wied. Aussereurop. Zweifl.* i. 237. 1.

Corp. long. 5 lin. Alar. 10 lin.

*Fulva*, pubescens: *oculi* æneo-fusci: *antennæ* rufo-fuscæ, apice nigro-fuscæ: *thorax* subtùs fusco maculatus; *discus* fuscus, fulvo bivittatus: *abdomen* obscurè fuscum; *segmentum* 1um fulvum, apice fuscum: *pedes* obscurè rufi, pubescentes; *coxæ* et *trochanteres* fulva; *femora* fusca, apice basique rufa: *alæ* fulvo-fuscæ; *costa* saturatior; *nervi* fulvo-fusci, fusco sublimbati; *squamulæ* fulvæ: *halteres* fusci.

Taken at Rio Janeiro in Brazil.

44. *MEDETERUS ANTARCTICUS*, n. s.

Fem. *Viridi-fuscus*, *pedibus flavis*, *tarsis fuscis*, *alis subfuscis*.

Corp. long.  $1\frac{1}{4}$  lin. Alar. 3 lin.



Viridi-fuscus, obscurus, pilosus: *oculi* rufo-fusci: *antennæ* fuscæ; *articulus* ultimus præcedentibus duplò longior: *thorax* suprà vittis 2 angustis albidis, subtùs omninò albidum: *pedes* flavi, subæquales; *coxæ* et *tarsi* fusca; *tibiæ* spinosæ: *alæ* subfuscæ, iridescentes; *costa* saturatior; *nervi* fusci; *nervus* transversus ordinarius fusco limbatus; *squamulæ* fuscæ: *halteres* fulvi.

Taken at Port Famine in the Straits of Magellan.

\* 45. *PSILOPUS EQUESTRIS*.

Fem. *Viridis*, *cyaneo varius*, *pedibus flavo-fuscis*, *alis hyalinis*, *fusco fasciatis*.

*Musca equestris*. *Fabr. Syst. Ent.* 782. 50.; *Ent. Syst.* iv. 340. 119.

*Dolichopus equestris*. *Fabr. Syst. Antl.* 268. 7.

*Psilopus equestris*. *Wied. Aussereurop. Zweifl.* ii. 214. 3.

Corp. long.  $2\frac{3}{4}$  lin. Alar.  $5\frac{1}{2}$  lin.

Lætè viridis, setosus: *caput* cyaneum, anticè argenteum: *oculi* rufi: *os* fulvum: *antennæ* nigræ; *articulus* ultimus longissimus: *thorax* sericeus, utrinque et subtùs argenteus: *abdomen* nitens, basi sericeum, apice cyaneum: *pedes* flavi, longi, pubescentes; *tibiæ* fulvæ, spinosæ; *tarsi* nigro-fusci: *alæ* hyalinæ, iridescentes; *costa* flavescens; *nervi* nigro-fusci; *fasciæ* 2 trans *alæ* medium irregulares anticè connexæ, fuscæ; *fascia* apicalis lata et ferè ad *alæ* apicem producta; *squamulæ* fuscæ: *halteres* flavi.

Taken at St. Paul's in Brazil.

46. *STOMOXYS HUMERALIS*, *n. s.*

*Nigro-grisea*, *thorace rufo cano fuscoque vario*, *scutello apice rufo*, *pedibus fulvis*, *tarsis nigro-fuscis*, *alis griseo-hyalinis*.

Corp. long. 5 lin. Alar. 10 lin.

*Nigro-grisea*, setis nigris sparsis armata: *caput* griseum, anticè pilis flavis hirtum: *os* nigro-fuscum: *oculi* et *antennæ* rufa: *thorax* cano fuscoque varius, anticè utrinque rufus; *scutellum* apice rufum: *abdomen* pubescens: *pedes* fulvi, pubescentes, spinis nigris armati; *tarsi* nigro-fusci; *pulvilli* fulvi; *ungues* nigri: *alæ* griseo-hyalinæ; *costa* pubescens; *nervi*



nigro-fusci, fusco sublimbati, basi rufi; *squamulæ* rufæ; *squamæ* sordide albæ, flavo ciliatæ: *halteres* flavi.

Taken at Conception.

47. *TACHINA INORNATA*, *n. s.*

*Atra*, *thoracis vittis abdominisque lateribus fusco-canis, tibiis rufis, alis hyalinis.*

Corp. long.  $4\frac{1}{2}$  lin. Alar. 9 lin.

*Atra*, pilis spinisque atris hirta: *caput* anticè sordide albidum et sericeum: *oculi* rufi: *antennæ* et *os* fusca: *thorax* suprà fusco-cano 5-vittatus: *abdomen* utrinque fusco-canum: *pedes* nigri, pubescentes, spinosi; *trochanteres* fusci; *tibiæ* rufæ; *tarsi* apice et *pulvilli* rufescentes; *ungues* fusci: *alæ* hyalinæ; *costa* basi fuscescens; *nervi* fusci, basi fulvi; *nervus costalis* obscurior, ciliatus; *squamulæ* fuscæ; *squamæ* albidæ, flavo ciliatæ: *halteres* rufi.

Taken at Cape Gregory.

48. *TACHINA NERVOSA*, *n. s.*

*Nigro-grisea, thoraci vittis 5 abdomineque canis, hóc fusco vario, tibiis rufis, alis subhyalinis.*

Corp. long.  $3\frac{3}{4}$ — $4\frac{1}{2}$  lin. Alar.  $7\frac{1}{2}$ —9 lin.

*Nigro-grisea*, pubescens, spinosa: *caput* nigrum, anticè argenteum, subtùs pilis flavis hirtum: *oculi* rufi, lanugine albâ cingulati: *os* fuscum: *antennæ* nigro-fuscæ: *thorax* suprà cano 5-vittatus: *vitta* media indistincta: *abdomen* argenteo-canum, fusco varium: *pedes* nigro-grisei, pubescentes, spinosi; *tibiæ* obscure rufæ; *pulvilli* rufi; *ungues* nigri: *alæ* subhyalinæ; *costa* obscurior; *nervi* fusci, strenui, fusco limbati, basi fulvi; *squamulæ* fuscæ; *squamæ* albidæ, flavo ciliatæ: *halteres* rufi.

Taken at Port Famine in the Straits of Magellan.

\*49. *TACHINA PYRRHOPYGA*.

*Chalybea, abdomine utrinque et apice rufo, pedibus nigris, alis subhyalinis.*

*Tachina pyrrhopyga*. *Wied. Aussereurop. Zweifl.* ii. 319. 69.; *Zool. Mag.* iii.

53. 19.



Corp. long.  $3\frac{1}{4}$ — $3\frac{3}{4}$  lin. Alar.  $6\frac{1}{3}$ —7 lin.

Chalybea, pilis spinisque nigris hirta: *caput* suprà anticè albidum, posticè pilis albis hirtum: *oculi* rufi: *os* fuscum: *antennæ* nigræ: *thorax* nigro-chalybeus, *vittis* suprà 5 albidis; *vittæ* media et externæ latæ; *scutellum* apice rufescens: *abdominis segmenta* utrinque rufo et albido micantia; *apex* rufus: *pedes* nigri, pubescentes, spinosi; *femora* et *tibiæ* subtùs albo micantia: *alæ* subhyalinæ, iridescentes; *costa* fusca; *nervi* nigro-fusci, fusco limbati; *squamulæ* nigro-fuscae; *squamæ* albidæ, flavo marginatæ et ciliatæ: *halteres* fusci.

Taken at St. Catherine's.

50. TACHINA PICEIVENTRIS, n. s.

*Canā, thorace nigro vittato, scutello apice rufo, abdomine plerumque fusco, pedibus nigris, alis hyalinis.*

Corp. long.  $2\frac{3}{4}$  lin. Alar.  $5\frac{1}{2}$  lin.

*Canā, pilis spinisque nigris hirta: hypostoma nigrum: oculi rufo-fusci: antennæ et os fusca: thorax* suprà nigro tri-vittatus, subtùs cano nigroque varius; *scutellum* apice rufum: *abdomen* fuscum; *segmenta* 1o ad 3um maculis 3 magnis trigonis canis: *pedes* nigri, pilosi; *pulvilli* rufo-fusci: *alæ* hyalinæ, iridescentes; *nervi* nigro-fusci, basi rufo-fusci; *squamulæ* fuscae; *squamæ* albæ: *halteres* rufi.

51. TACHINA TRIFASCIATA, n. s.

*Albida, thoracis vittis abdominisque apice nigris, pedibus nigris, alis hyalinis.*

Corp. long.  $2\frac{3}{4}$  lin. Alar.  $5\frac{1}{2}$  lin.

*Tachinæ incultæ similis: pilis nigris hirta: caput argenteum, suprà flavescens: oculi et os rufa: antennæ nigræ: thorax* flavo-albidus vittis 4 angustis nigris, subtùs albidus: *abdomen* nigrum; *segmenta* 2um, 3um et 4um alba, apice nigra: *pedes* nigri, pilosi: *coxæ* et *femora* subtùs alba; *pulvilli* rufi: *alæ* hyalinæ, iridescentes, ad costam subfuscae; *nervi* et *squamulæ* fuscae; *squamæ* albidæ: *halteres* rufi.



52. *TACHINA ALBIFRONS*, n. s.

*Fulva, thoracis vittis abdomineque obscuris, hęc fasciato, pedibus nigris, alis hyalinis.*

Corp. long.  $2\frac{1}{4}$  lin. Alar.  $4\frac{1}{2}$  lin.

*Fulva, pilis nigris hirta: frons argentea: oculi rufo-fusci: os rufescens: antennæ nigræ: thoracis dorso vittæ 4 nigræ angustæ; scutellum rufescens: abdomen nigro-fuscum, subtùs rufo-fuscum; segmenta 2um, 3um et 4um flavo-albido anticè fasciata; fasciæ interruptæ et utrinque posticè incisæ: pedes nigri, pilosi; pulvilli fusci: alæ hyalinæ, iridescentes; costa basi obscurior; squamulæ et nervi fusca; squamæ albidæ: halteres rufi.*

53. *TACHINA CHRYSOCEPHALA*, n. s.

*Cana, capite mesothoracis scuto abdominisque apice flavis, pedibus nigris, alis subhyalinis.*

Corp. long.  $2\frac{1}{4}$  lin. Alar.  $4\frac{1}{2}$  lin.

*Cana, pilis nigris hirta: caput aureo-flavum; frons flavo-albida: oculi rufi: os nigro-fuscum: antennæ nigræ: mesothoracis scutum aureo-flavum, suprà nigro 4-vittatum; vittæ mediæ angustæ, externis utrinque posticè connexæ: abdomen nigro varium; segmentum basale suprà atrum, apicale aureo-flavum: pedes nigri, pilosi; coxæ et femora subtùs cana; pulvilli fusci: alæ griseo-hyalinæ, iridescentes; nervi nigro-fusci, basi pallidiores; squamulæ fuscae; squamæ griseo-albidæ: halteres rufescentes.*

54. *TACHINA BASALIS*, n. s. *♀ headless*

*Cana, thoracis vittis nigris, abdominis segmentis basi argenteis, pedibus nigris, alis griseis.*

Corp. long. 2 lin. Alar. 4 lin.

*Cana, pilis nigris hirta: caput nigrum, anticè canum: oculi et os fusca: antennæ nigræ: thorax nigro 4-vittatus?; vittæ indistinctæ: abdomen griseum; segmenta basi argentea: pedes nigri, pilosi; pulvilli fusci: alæ griseæ, iridescentes; squamulæ et nervi fusca; squamæ albidæ: halteres rufescentes.*

Taken at Port Famine in the Straits of Magellan.



55. *TACHINA MAURA*, n. s.

♂ = preceding

*Nigra, parùm nitida, antennis nigro-fuscis, pedibus nigris, alis griseo-hyalinis.*  
Corp. long.  $1\frac{1}{2}$  lin. Alar. 3 lin.

*Nigra, pilosa, obscura: oculi rufo-fusci: os fuscum: antennæ nigro-fuscae: abdominis segmenta basi utrinque grisea: pedes nigri, pilosi; pulvilli fusci: alæ griseo-hyalinæ, iridescentes; squamulæ fuscae; nervi nigro-fusci, basi pallidiores; squamæ griseo-albæ: halteres obscuri.*

Taken at Port Famine in the Straits of Magellan.

56. *SARCOPHAGA LATERALIS*, n. s.

*Cana, thorace nigro vittato, abdomine utrinque et subtùs fulvo, tibiis rufis, alis subfuscis.*

Corp. long.  $4\frac{1}{2}$  lin. Alar.  $9\frac{1}{2}$  lin.

*Cana, pilis nigris hirta: caput griseum, anticè flavo-albidum, subtùs flavo pubescens: oculi rufo-fusci: os fuscum: antennæ rufæ; articulus 3us apice fuscus: thorax suprà nigro 4-vittatus; scutellum rufo-fuscum: abdomen fulvum, albido micans; vitta dorsalis nigra, anticè dilatata: pedes nigri, pilosi; femora subtùs grisea; tibiæ obscurè rufæ, apice basique nigræ; pulvilli fusci: alæ subfuscae; costa basi obscurior; squamulæ rufo-fuscae; nervi nigro-fusci, fusco sublimbati, basi rufo-fusci; squamæ griseo-albidæ, flavo marginatæ: halteres rufi.*

Taken at St. Paul's in Brazil.

\*57. *SARCOPHAGA PLINTHOPYGA*.

*Cana, capite aureo-flavo, abdomine apice croceo, pedibus nigris, alis griseis.*

*Sarcophaga plinthopyga.* Wied. *Aussereurop. Zweifl.* ii. 360. 10.

Corp. long.  $4\frac{1}{2}$  lin. Alar. 9 lin.

*Cana, pilis nigris hirta: caput aureo-flavum, suprà nigrum, anticè album, posticè canum: oculi rufi: os fuscum: antennæ nigræ: thorax nigro suprà obsoletè trivittatus: abdomen argenteo-griseum, nigro varium; segmentum apicale croceum: pedes nigri, pilosi; coxæ et femora subtùs gri-*



sea: *pulvilli* fusci: *alæ* griseæ; *costa* basi obscurior; *nervi* et *squamulæ* nigro-fusca; *squamæ* griseo-albidæ: *halteres* rufi.

Taken at St. Catherine's.

58. *SARCOPHAGA CHLOROGASTER*.

*Fusca, thorace cano vittato, scutello apice rufo, abdomine cyaneo-viridi, pedibus nigris, alis griseo-hyalinis.*

*Sarcophaga chlorogaster.* *Wied. Aussereurop. Zweifl.* ii. 359. 9.

Corp. long.  $4\frac{1}{2}$  lin. Alar. 9 lin.

*Fusca, pilis nigris hirta: caput canum, anticè flavo-album: oculi rufo-fusci: antennæ et os fusca: thorax suprâ cano 4-vittatus; scutellum apice rufum: abdomen cyaneo-viride, nitens: pedes nigri, pilosi; pulvilli rufi: alæ griseo-hyalinæ, basi costam versus flavescentes; nervi et squamulæ fusca, illi basi rufi; squamæ albidæ: halteres flavi.*

Taken at Port Famine in the Straits of Magellan.

59. *SARCOPHAGA VITTATA, n. s.*

*Aureo-flava, subtùs cana, thorace nigro-vittato, abdomine cano, pedibus nigris, alis griseis.*

Corp. long. 3 lin. Alar.  $5\frac{1}{2}$  lin.

*Aureo-flava, pilis nigris hirta: caput subtùs canum; frons et hypostoma nigra: oculi rufi: os fuscum: antennæ nigro-fuscæ: thorax suprâ nigro 5-vittatus, subtùs canus; scutellum nigrum, apice et utrinque flavum: abdomen canum, suprâ nigro tessellatum: pedes nigri, pilosi; coxæ et femora subtùs cana; pulvilli fusci: alæ griseæ, ad costam flavescentes; squamulæ fuscæ; nervi nigro-fusci; squamæ albidæ: halteres rufi.*

60. *SARCOPHAGA VARIA, n. s.*

*Flava, thorace nigro vittato, abdomine nigro maculis pallidis, pedibus nigris, alis griseo-hyalinis.*

Corp. long.  $2\frac{1}{2}$ —3 lin. Alar. 5—6 lin.

*Flava, pilis nigris hirta: caput sericeum, posticè canum; hypostoma nigrum; frons grisea: oculi rufo-fusci: antennæ et os nigro-fusca: thorax suprâ*



nigro 5-vittatus, subtùs canus; *scutellum* nigrum, utrinque flavum: *abdomen* nigrum, suprà è maculis flavis aut albidis 4-vittatum, subtùs apice flavo maculatum: *pedes* nigri, pilosi; *coxæ* et *femora* subtùs cana; *pulvilli* fusci: *alæ* griseo-hyalinæ, costam versus basi flavescentes; *squamulæ* et *nervi* fusca; *squamæ* albidæ: *halteres* rufescentes.

Taken at Gorrite, and at Port Famine in the Straits of Magellan.

61. *SARCOPHAGA NIGROCYANEA*, n. s.

*Nigro-grisea*, *thorace* cano vittato, *abdomine* nigro-cyaneo, *pedibus* nigris, *alis* griseo-hyalinis.

Corp. long. 3 lin. Alar. 6 lin.

*Nigro-grisea*, pilosa: *oculi* rufi: *os* fuscum: *antennæ* nigræ: *thorax* suprà cano 4-vittatus: *abdomen* nigro-cyaneum, griseo varium: *pedes* nigri, pilosi; *pulvilli* fusci: *alæ* griseo-hyalinæ, subiridescentes ad costam fuscae; *nervi* et *squamulæ* fusca, illi fusco sublimbati; *squamæ* griseæ, flavo marginatæ: *halteres* rufi.

Taken in Chili.

62. *SARCOPHAGA LAMBENS*.

*Cana*, *thoracis* vittis fuscis, *abdominis* apice aureo-flavo, *pedibus* fusco-canis, *tarsis* nigris, *alis* hyalinis.

*Sarcophaga lambens*. *Wied. Aussereurop. Zweifl.* ii. 365. 23.

Corp. long.  $2\frac{2}{3}$  lin. Alar.  $5\frac{1}{3}$  lin.

*Cana*, pilis nigris hirta: *caput* anticè utrinque et circum oculos aureo-flavum: *oculi* rufo-fusci: *os* fuscum: *antennæ* nigræ: *mesothoracis* *scutum* fusco trivittatum: *abdomen* apice aureo-flavum: *pedes* fusco-cani, pilosi; *tarsi* nigri; *pulvilli* fusci: *alæ* hyalinæ, iridescentes; *squamulæ* flavæ; *nervi* et *halteres* fusci; *squamæ* albæ.

Taken at St. Paul's in Brazil.

63. *MUSCA CHILENSIS*, n. s.

*Viridis*, *thoracis* vittis canis, *abdomine* femoribusque cyaneis, *pedibus* nigris, *alis* griseis.

Corp. long. 6 lin. Alar. 10 lin.

YHT  
Neta



Viridis, pilis nigris hirta: *caput* nigrum, anticè canum: *oculi* rufo-fusci: *os* nigro-fuscum: *antennæ* nigræ: *mesothoracis scutum* suprà cano 4-vittatum: *abdomen* cyaneum, nitens, purpureo micans: *pedes* nigri, pilosi; *femora* cyanea; *pulvilli* fusci: *alæ* griseæ, basi obscuriores; *nervi* et *squamulæ* nigro-fusca: *squamæ* griseæ, albo marginatæ: *halteres* fusci.

Taken in Chili.

64. MUSCA PURPURASCENS, n. s. ✓ ♀ HT in BM. Lucilia

*Purpureo-cyanea*, *antennis* rufo-fuscis, *pedibus* nigris, *femoribus* cyaneis, *alis* subhyalinis.

Corp. long.  $3\frac{1}{3}$ — $3\frac{2}{3}$  lin. Alar. 6— $6\frac{1}{2}$  lin.

*Purpureo-cyanea*, nitens, pilis nigris hirta: *caput* griseum, circum oculos album, anticè rufo-album: *oculi* rufo-fusci: *os* fuscum: *antennæ* rufo-fuscæ, basi nigræ: *pedes* nigri, pilosi; *femora* cyanea; *pulvilli* fusci: *alæ* subhyalinæ, iridescentes, basi et sub costam obscuriores; *nervi* et *squamulæ* nigro-fusca; *nervulus* transversus fusco limbatus; *squamæ* griseæ, fulvo marginatæ: *halteres* fusci.

Taken at St. Catherine's.

65. MUSCA OCHRICORNIS.

*Cyaneo-viridis*, *capite* fulvo, *thorace* nigro vittato, *pedibus* nigris, *tibiis* rufis, *alis* griseo-hyalinis.

*Musca ochricornis*. Wied. *Aussereurop. Zweifl.* ii. 408. 41.

Corp. long. 3 lin. Alar. 6 lin.

*Cyaneo-viridis*, pilis nigris hirta: *caput* fulvum, suprà et posticè nigrum: *oculi* rufo-fusci: *os* nigrum: *antennæ* pallidè rufæ: *mesothoracis scutum* vittis 3 latis nigris; *scutellum* cyaneum: *abdominis segmenta* apice utrinque purpurea: *pedes* nigri, pilosi; *tibiæ* obscurè rufæ; *pulvilli* fusci: *alæ* griseo-hyalinæ, iridescentes, basi subfuscæ; *squamulæ* nigro-fuscæ; *nervi* fusci; *squamæ* albidæ, stramineo marginatæ: *halteres* fusci.

Taken at St. Catherine's.

66. MUSCA TIBIALIS, n. s. ✓ Taken in BM. Muscina?

*Cano-grisea*, *abdomine* griseo-fusco, *pedibus* nigris, *tibiis* rufis, *alis* griseo-hyalinis.

Corp. long.  $2\frac{1}{2}$  lin. Alar. 5 lin.



Grisea, pilis nigris hirta: *caput* nigrum, anticè argenteum: *oculi* obscure rufi: *os* nigrum: *antennæ* fuscæ; *articulus* 3us basi rufus: *mesothoracis scutum* cano 4-vittatum: *abdomen* griseo-fuscum; *segmenta* apice cana: *pedes* nigri, pilosi; *tibiæ* obscure rufæ; *pulvilli* flavi: *alæ* griseo-hyalinæ, iridescentes, basi et costam versus subfulvæ; *nervi* et *squamulæ* nigro-fusca; *nervi* transversi fulvo limbat; *squamæ* griseæ, fulvo marginatæ: *halteres* fusi.

Taken at St. Catherine's.

67. *ANTHOMYIA CHALYBEA*.

*Cyanea*, capite anticè argenteo, *antennis pedibusque* nigris, *alis* griseo-hyalinis.

*Anthomyia chalybea*. *Wied. Aussereurop. Zweifl.* ii. 428. 15.

Corp. long. 3 lin. Alar.  $5\frac{1}{2}$  lin.

*Cyanea*, nitens, pilis nigris hirta: *caput* nigrum, inter *antennas* et utrinque argenteum: *oculi* rufo-fusci: *antennæ* nigræ; *articulus* 4us simplex, basi pubescens: *pedes* nigri, pilosi; *pulvilli* fusi: *alæ* griseo-hyalinæ, iridescentes; *nervi* et *squamulæ* nigra; *squamæ* obscure griseæ: *halteres* fusi.

Taken in Chili.

✓ 68. *ANTHOMYIA ANTHRACINA*, n. s. ♀ HT in BM  
Fannia

*Nigra*, obscura, *abdomine* nitido, *alis* griseo-hyalinis.

Corp. long.  $2\frac{1}{2}$  lin. Alar.  $4\frac{3}{4}$  lin.

*Nigra*, obscura, pilis nigris hirta: *oculi* rufo-fusci: *antennæ* nigræ; *articulus* 4us simplex, pubescens: *abdomen* nitidum, minimè cyanescens: *pedes* nigri, pilosi; *pulvilli* fusi: *alæ* griseo-hyalinæ, iridescentes; *nervi* et *squamulæ* nigra; *squamæ* griseæ: *halteres* fusi.

Taken at Port Famine in the Straits of Magellan.

*Fannia longicauda*

✓ 69. *ANTHOMYIA CYANEA*, n. s.

*Cyanea*, *antennis pedibusque* nigris, *alis* griseo-hyalinis.

Corp. long. 2 lin. Alar. 4 lin.

Specimen non benè conservatum. Lætè cyanea, nitens, pilis nigris hirta: *oculi* rufo-fusci: *antennæ* nigræ; *articulus* 4us simplex, pubescens: *pedes*



nigri, pilosi; *pulvilli* fusci: *alæ* griseo-hyalinæ, iridescentes; *squamulæ* et *nervi* nigra; *squamæ* griseæ: *halteres* fusci.

Taken at Gorrite.

✓ 70. *ANTHOMYIA IMMACULATA*, n. s.

♀ holotype in B.M.

*Notoschoenomyia*

*Fusco-grisea*, capite anticè albo, alis griseo-hyalinis, ad costam subfuscis.

Corp. long.  $1\frac{3}{4}$  lin. Alar.  $3\frac{1}{2}$  lin.

*Fusco-grisea*, obscura, pilis nigris hirta: caput sericeum, suprà fulvum, anticè album: oculi rufo-fusci: antennæ fuscae; articulus 4us niger, simplex, basi pubescens: pedes pilosi; pulvilli albid: alæ griseo-hyalinæ, iridescentes, ad costam subfuscae; squamulæ, nervi et halteres fusca; squamæ flavæ.

Taken at Port Famine in the Straits of Magellan.

71. *LONCHÆA OBSCURA*, n. s.

*Nigra*, obscura, unicolor, alis griseo-hyalinis.

Corp. long.  $1\frac{1}{2}$  lin. Alar.  $3\frac{1}{4}$  lin.

*Nigra*, obscura, pilis nigris hirta: oculi rufo-fusci: antennæ nigrae; articulus 4us pubescens: pedes pilosi; pulvilli fusci: alæ griseo-hyalinæ, iridescentes; squamulæ fuscae; nervi nigri: halteres nigri.

Taken at Port Famine in the Straits of Magellan.

72. *TEPHRITIS 5-FASCIATA*, n. s.

Fem. *Fulva*, abdomine nigro, basi et fasciis flavis, pedibus flavis, femoribus et metatarsis nigris, alis nigro-brunneo fasciatis.

Corp. long.  $2\frac{3}{4}$  lin. Alar. 5 lin.

*Fulva*, nitens, pilis nigris hirta: caput suprà luteum, anticè albidum: antennæ ademptæ: oculi rufo-fusci: thorax fusco trivittatus; metathorax niger: abdomen nigrum, basi et fasciis suprà 4 flavis; telum nigrum, breve, apice fuscum: pedes flavi, pilosi; coxæ fuscae; femora et metatibiae nigra: alæ hyalinæ, iridescentes, fasciis 4 nigro-brunneis; fascia basalis latissima, exundans, punctis nonnullis varia; 2a medio ad 1am connexa, 3am et 4am anticè emittens angustas alæ apicem versus proclives; squamulæ fuscae; nervi nigri: halteres flavi.



73. *TEPHRITIS MELLEAE*, *n. s.*

Fem. *Fulva*, *thoracis vittis abdominisque fasciis flavis, metathorace nigro bima-*  
*culato, alis flavo fasciatis.*

Corp. long.  $2\frac{3}{4}$  lin. Alar. 5 lin.

*Fulva*, parùm nitens, pilis albis setisque nigris hirta: *caput* anticè flavum: *oculi* rufo-fusci: *antennæ* fulvæ; *articulus* 4us niger, basi fulvus: *thorax* pallidè flavus; *discus* fulvus, flavo trivittatus; *metathorax* utrinque nigro maculatus: *abdominis segmenta* apice pallidè flava; *telum* mediocre, apice fuscum: *pedes* flavescens, pilis nigris hirti: *alæ* hyalinæ, iridescentes, basi anticè flavæ fusco maculisque 2 magnis variæ hyalinis; *fasciæ* 3 alæ apicem versus pallidè fuscæ; *squamulæ* et *nervi* flava: *halteres* fulvi.

Taken at St. Paul's in Brazil.

\*74. *TEPHRITIS UNICOLOR*, *n. s.*

Fem. *Nigra*, *pedibus fulvis, femoribus nigris, alis griseo nebulosis fuscoque tri-*  
*maculatis.*

Corp. long.  $1\frac{1}{2}$  lin. Alar. 3 lin.

*Nigra*, obscura, pilis nigris albisque hirta: *caput* anticè et suprâ fulvum: *oculi* rufo-fusci: *antennæ* fuscæ; *articulus* 4us niger, basi fuscus: *pedes* fulvi, pilis nigris hirti; *femora* nigra: *alæ* griseæ, iridescentes, maculis plurimis limpidis; *maculæ* quoque majores costales duæ et disco una fuscæ; *squamulæ* et *halteres* fusca; *nervi* nigri.

Taken at Port Famine in the Straits of Magellan; and Mr. Curtis has received a specimen from Purruhuca, where Mr. Mathews found six specimens in the blossoms of plants.

\*75. *SCIOMYZA BICOLOR*, *n. s.*

Mas et fem. *Ferruginea*, *abdomine nigro-fusco, alis hyalinis ad costam sub-*  
*fulvis.*

Corp. long.  $1\frac{3}{4}$ —2 lin. Alar.  $4\frac{1}{4}$ — $4\frac{1}{2}$  lin.

*Ferruginea*, parùm nitens, pilis nigris hirta: *caput* rufum: *oculi* rufo-fusci: *antennæ* fuscæ, pilis nigris hirtæ; *articulus* 4us niger, pubescens, basi fuscus: *abdomen* nigrum, basi ferrugineum: *pedes* fulvi, pilosi; *profemora*



fusca; *ungues* nigri; *pulvilli* pallidi: *alæ* subhyalinae, iridescentes, costam versus subfulvæ; *squamulæ* et *nervi* fulva: *halteres* ferruginei.

*Var. β. Femora* omnia fusca.

*Var. γ. Femora* omnia fulva.

Taken at Port Famine in the Straits of Magellan.

76. *SCIOMYZA FULVIPENNIS*, n. s.

Mas. *Fusco-ferruginea*, abdomine obscuriore, alis fulvis.

Corp. long.  $1\frac{1}{2}$  lin. Alar.  $3\frac{1}{2}$  lin.

Fusco-ferruginea, pilis nigris hirta: *caput* anticè flavum: *oculi* rufo-fusci: *os* fulvum: *antennæ* fuscæ, basi fulvæ; *articulus* 4us niger, pubescens: *abdomen* fuscum, apice ferrugineum: *pedes* fulvi, pilosi; *ungues* nigri; *pulvilli* albidi: *alæ* fulvæ; *squamulæ* et *nervi* obscuriora: *halteres* albidi.

Taken at Port Famine in the Straits of Magellan.

77. *TETANOCERA COSTALIS*, n. s.

*Ferruginea*, *antennis* *pedibusque* obscurioribus, alis hyalinis sub costam fulvis.

Corp. long.  $2\frac{1}{4}$  lin. Alar.  $4\frac{1}{4}$  lin.

Ferruginea, setis nigris armata: *caput* posticè et inter oculos albo sericeum, anticè pallidè flavum: *oculi* rufo-fusci: *antennæ* fuscæ; *articulus* 1us et 2us pilis nigris hirti; 3us niger, pubescens, basi fuscus: *thoracis latera* et *vittæ* 3 vix conspicuæ dorsales albo sericea: *abdomen* ademptum: *pedes* obscurè ferruginei, setis nigris armati; *ungues* nigri; *pulvilli* albidi: *alæ* griseo-hyalinae iridescentes, sub costam fulvæ; *squamulæ* et *nervi* fulva; *nervi* transversi fusci: *halteres* fulvi.

Taken at Port Famine.

78. *GYMNOPA NITIDA*, n. s.

*Atra*, *nitens*, alis albis.

Corp. long.  $\frac{3}{4}$  lin. Alar.  $1\frac{3}{4}$  lin.

*Atra*, *nitens*, pilis nigris hirta: *oculi* rufo-fusci: *os* nigrum: *antennæ* nigræ; *articulus* 4us pubescens: *pedes* nigri, pilosi: *alæ* albæ, iridescentes; *squamulæ* et *nervi* flava: *halteres* fulvi.

Taken at St. Catherine's.





King, Philip Parker et al. 1836. "Descriptions, &c. of the Insects collected by Captain." *Transactions of the Linnean Society of London* 17, 315–359.

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