

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 stigmatate 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, stigmatate 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.*

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. *Mandibulæ* apice rufæ. *Antennæ* corpore breviores, setaceæ. *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, subtilitè 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* intermediorum 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, setaceæ.

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. $11\frac{1}{2}$. Aculei 3 lin.

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

Mandibulæ nigriæ. *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* cyanæ, 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 plus 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* fuscæ.

Port Famine.

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

Mesothoracis scuto, segmentis primo—sexto, femoribusque posticis coccineis; alis cyaneis; aculeo abdominis dimidio breviorе. 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-cyanæ, stigmatе nervisque nigris, areolâ amplâ triangonâ. *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, intermediis dorso fusco-maculatis; pedibus rufis; coxis et trochanteribus anterioribus flavis, posticis nigris; aculeo brevissimo. Fem.*

Long. corp. $3\frac{1}{2}$ 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* fusci. *Alæ* hyalinæ, nervis fuscis, stigmatate 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 feminâ.

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 CERULANS. *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 fuscæ; 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. 5½ lin. Alar. 9 lin.

Nigra. *Antennarum scapus subtùs rufescens*. *Mandibulæ ferrugineæ, apice fuscæ*. *Occiput marginè 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 fuscæ, 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. 4½ lin. Alar. 9½ lin.

Mas. Niger. *Antennarum scapus subtùs maculâ apicali ferrugineâ*. *Chypei 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 Feminæ $25\frac{1}{2}$ lin.; aculeatæ 12 lin.

Long. corp. Fem. 14 lin; aculeatæ $7\frac{1}{2}$ 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. Alæ obscure hyalinæ, stigmatæ et nervis fuscis aut ferrugineis. Abdomen dorso ferè glabrum, segmentis primo et secundo (vel totis, vel hujus apice medio demto) etiam quarti et sæpè 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.*

Cœruleus; alis obscure hyalinis costâ fuscâ. Fem.

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

Fem. Obscurè cœruleus. *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 fusciscentibus. 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 antennis. *Mandibulæ* apice ferrugineæ; *antennæ* nigræ. Occiput fuscens. *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 fuscæ, 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 suprâ 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. 12¼ lin.

Fem. Obscurè cyaneus. *Clypeus* flavus, basi lineolis 2 nigris e nigredene 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 6¼ ; alar. fem. 12½ lin., maris 11¼.

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 capituli 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. *Man-dibulæ* apice emarginatæ. *Antennæ* fuscæ, basi rufæ. *Palpi* rufi. *Pedes*

rufi. *Tibiæ* posticæ latere altero levitè serrulatæ, setulis minutis adsper-
sis. *Tarsi* *antici* haud pectinati. *Alæ* vix corporis dimidii longitudine,
tomentosæ, aurantiacæ; anticæ maculis 2 magnis fuscis, alterâ in medio
transversè sitâ marginem utrumque attingente, alterâ rotundatâ intra
apicem alæ. *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*. *Alæ* *rufæ*,
costâ *concolore*, *radice* *nigro-cyanæ*, *apice* *fuscæ*.

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*. *Antennæ* *totæ* *testacæ*. *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* cyanæ, 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 SCOLLÆFORMIS*, *n. s.*

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

Long. corp. 9 lin.

Fem. Animalculum apterum *Proscarabæi* magnitudine; *Scoliæ* statura, sed thorace angustiore et medio coarctato. *Oculi* minutissimi. *Antennæ* teretes, convolutæ. *Abdominis segmenta* 2 *antica* coriacea. Niger, obscurus, subtùs præsertim pallido-pubescent. *Vitta* testacea, frontem transcurrens, oculos includit. *Antennæ* ferruginæ, 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 antennas et ungues difformes. *Nigra*, *obscura*, sparsim villosa, tarsis 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.

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. *cœrulans*. *Fabr.*
 Stirps. MELLIFERA.
 Fam. APIDÆ.
 Trib. SOLITARIÆ.
 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. SOLITARIÆ.
 Gen. *Odynerus*.
 33. *vespiformis*.
 34. *labiatus*.
 35. *humeralis*.
 Gen. *Eumenes*.
 Subg. *Dicælius*.
 36. *Merula*.

Stirps. FOSSORIA.	Fam. MUTILLIDÆ.
Fam. SPHEGIDÆ.	Gen. <i>Myrmosa</i> .
Gen. <i>Sphex</i> .	46. <i>dimidiata</i> .
37. <i>Latreillii</i> . <i>St. Farg.</i>	Gen. <i>Mutilla</i> .
Fam. POMPILIDÆ.	47. <i>derasa</i> . <i>Fabr.</i>
Gen. <i>Pompilus</i> .	Fam. DORYLIDÆ.
38. <i>Gravesii</i> .	Gen. <i>Labidus</i> .
39. <i>bilunatus</i> .	48. <i>Latreillii</i> . <i>Jur.</i>
40. <i>ferruginipennis</i> .	Fam. FORMICIDÆ.
Subg. <i>Pepsis</i> .	Gen. <i>Atta</i> .
41. <i>Heros</i> . <i>Fabr.</i>	49. <i>Hystrix</i> . <i>Latr.</i>
Subg. <i>Chirodamus</i> .	50. <i>quadriglumis</i> .
42. <i>Kingii</i> .	Gen. <i>Myrmica</i> .
Fam. SCOLIADÆ.	51. —————?
Gen. <i>Scolia</i> .	Gen. <i>Ponera</i> .
43. <i>quadrimaculata</i> . <i>Fabr.</i>	52. <i>tarsata</i> . <i>Fabr.</i>
44. <i>argentea</i> .	Gen. <i>Formica</i> .
Gen. <i>Myrmecodes</i> .	53. <i>strenua</i> .
45. <i>scoliaformis</i> .	54. <i>castanea</i> . <i>Latr.</i>
Stirps. HETEROGYNA.	55. <i>maculata</i> . <i>Fabr.</i>

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 paullò crassioribus discrepans.*

Culex molestus. Kollar, *Brasilien's verzüglich lästige Insecten*, p. 18. *fig.* 13.

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

Fem. *Caput fuscum: oculi obscuro: antennæ obscure fuscæ, pilosæ: os fuscum: labium flavum: pectus flavescens: thorax obscure fuscus; vittæ vix*