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

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PART I.—CHALCIDITES.

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teeth; propodeon rugulose, slightly spined on each side: abdomen shining, finely punctured, pubescent towards the tip: legs black; hind thighs red; hind tibiae dark piceous, varied with red: wings slightly fuscous; squamulae black; nervures dark piceous. Length of the body  $2\frac{1}{2}$  lines; expansion of the wings 5 lines.

a. Italy. From Mr. Birch's collection.

CHALCIS Almon. *Nigra, trochanteribus, genubus, tibiis apice tarsisque flavis, alis limpidis.*

Body convex, black: head and thorax dull, punctured, pubescent: antennae black: scutellum with a rim along its hind border: abdomen oval, smooth, shining, pubescent towards the tip, shorter and narrower than the thorax: legs black; trochanters, knees, tips of the tibiae and tarsi yellow: wings limpid; squamulae yellow; nervures fuscous. Length of the body  $1\frac{1}{2}$  line; expansion of the wings 2 lines.

a. Isle of France.

CHALCIS Amenocles, Walker, MSS. *Nigra, pedibus rufis, coxis nigris, femoribus apice tibiisque albis, his rufo cinctis, alis limpidis.*

Black, dull, punctured: hind border of the scutellum armed with two very short teeth: abdomen smooth, shining, rather longer than the thorax: legs red; coxae black; tips of thighs white; tibiae white, each traversed by a broad red band: wings limpid; squamulae white; nervures black. Length of the body 3 lines; expansion of the wings 4 lines.

a. Sierra Leone.

CHALCIS Ucalegon, Walker, MSS. *Nigra, antennis pedibusque rufis, profemoribus et mesofemoribus nigris apice albis, metafemoribus apice albis, subtus dentibus nigris armatis, alis limpidis.*

Body convex: head and thorax black, roughly punctured: antennae bright pale red; first and second joints black: tip of the scutellum bituberculate: propodeon roughly excavated. abdomen wanting: legs red; fore-thighs and middle thighs black, their tips white, as are also those of the hind-thighs, which are armed beneath with many little black teeth: wings limpid; nervures piceous; humerus more than twice the length of the ulna; radius and cubitus very short; stigma very small. Length of the body  $2\frac{1}{2}$  lines; expansion of the wings  $3\frac{1}{2}$  lines.

a. Adelaide, Australia. Presented by the Entomological Club.

Page 7. HALTICHELLA Mitys, Walker, MSS. *Nigra abdomine apice rufo, antennis pedibusque ferrugineis, femoribus subfuscis, alis limpidis fusco maculatis.*

Body convex, finely punctured, slightly shining: antennae ferruginous, nearly filiform, as long as the thorax; first joint slightly dilated at the tip: scutellum slightly furrowed, armed with two very short teeth at its tip: metapodeon slightly carinated: propodeon very short: abdomen smooth, shining, as long as the thorax, red towards the tip which is somewhat attenuated: legs ferruginous; thighs slightly fuscous: wings nearly limpid; a large fuscous spot beneath the stigma of each fore-wing; nervures piceous; ulna, radius, and cubitus very short; stigma very small. Length of the body 2 lines; expansion of the wings 3 lines.

a. Isle of France.

Page 7. HALTICHELLA Amage.—H. Proxenus. Page 7.

Page 7. DIRHINUS Anthracia, Walker, MSS. *Nigra, pedibus rufis, metapedibus nigris, alis limpidis.*

Body black, dull, punctured: antennae black: head clothed beneath with silvery down: tip of the scutellum dentate: abdomen smooth, shining, much shorter than the thorax: legs red; hind legs black: wings limpid; squamulae and nervures piceous. Length of the body 2 lines; expansion of the wings  $2\frac{1}{2}$  lines.

Page 8. EURYTOMA fumipennis, Walker, Ent. Mag. iv. 24.  
a. England. Presented by F. Walker, Esq.

Page 10. EURYTOMA Iphis, Atra, *genubus tarsisque rufis, his apice piceis, alis subfuscis.*

Female; Body convex, black; head and thorax roughly punctured, sparingly clothed with white hairs: head broader than the thorax; antennae clavate, much shorter than the thorax; first joint long, slender; second cyathiform; third and fourth very minute; fifth and following joints to the ninth nearly cyathiform, successively shorter and broader; club long, conical, near thrice the length of the ninth joint, its joints not being more closely fitted to each other than are the preceding joints: thorax long obconical: prothorax large, subquadrate, not narrower than the mesothorax; its breadth rather more than twice its length: scutum of the mesothorax short, broad; sutures of the parapsides distinct, approaching each other; axillae large triangular, not decumbent; scutellum nearly rhomboidal: metathorax or propodeon large, transverse, decumbent: propodeon very short: abdomen elliptical, smooth, shining, shorter and a little narrower than the thorax; its length a little more than twice its height; metapodeon conical, decumbent in front, less than one fourth of the length of the abdomen; octoon short, less than half the length of the metapodeon; ennaton much longer than the octoon; decaon as long as the ennaton; protelum,

paratelum and telum very short; oviduct enclosed in a sheath which only just passes the tips of the abdomen: legs slender; knees and tarsi red, tip of the latter piceous: wings slightly fuscous; nervures piceous; humerus much less than half the length of the wing; ulna thick, hardly more than one third of the length of the humerus; radius a little shorter than the ulna; cubitus much shorter than the radius; stigma very small, emitting a short branch.

Page 21. *EUCHARIS* *Eginetus*, Walker, MSS. *Viridis abdomine rufo, antennis piceis 9-ramosis, pedibus fulvis, coxis viridibus, alis fusco nebulosis.*

*Male*; Head and thorax convex, punctured, bright green: head transverse, short; vertex broad; front large, abruptly decumbent: mouth fulvous: eyes piceous, oval, of moderate size: antennæ filiform, slender, piceous, pubescent, adorned with nine branches, rather longer than the head and thorax; first joint fulvous, long; the following joints long, those towards the tip longer: thorax oval: prothorax extremely short, not visible above: scutum of the mesothorax broad; sutures of the parapsides indistinct; scutellum obconical, abruptly decumbent beyond the tip which has no spines: propodeon large, obconical, abruptly decumbent: podoon green, cylindrical, very slender, as long as the abdomen: abdomen fusiform, red, smooth, shining, fusiform, slightly compressed, narrower and rather shorter than the thorax; metapodeon very large, occupying all the dorsum, and hiding the ventral segments: legs very slender, fulvous, pubescent; coxæ small, green; spines of the tibiæ small; first joint of the tarsi nearly as long as the other four: wings limpid; fore-wings slightly clouded with fuscous, each having a large fuscous spot beneath the stigma; nervures piceous; humerus much longer than the ulna; radius rather shorter than the ulna; cubitus extremely short; stigma small. Length of the body  $2\frac{1}{2}$  lines; expansion of the wings  $4\frac{1}{2}$  lines.

Page 21. *EUCHARIS* *Larymna*, Walker, MSS. *Cuprea, abdomine rufo, antennis nigris, pedibus rufis, coxis cupreis, alis subfuscis.*

*Male and Female*; Head and thorax transversely rugulose, convex, bright cupreous, varied with bright green: eyes black, of moderate size: mouth pale red: antennæ black, filiform, pubescent: antennæ of the male nearly as long as the body; joints long and linear: antennæ of the female shorter: thorax slightly gibbous: prothorax extremely short, not visible above: scutum of the mesothorax large, transverse; sutures of the parapsides indistinct, converging towards the scutellum; axillæ remote; scutellum

large, obconic above, abruptly decumbent at the tip; metathorax very short: propodeon large, obconic, declining, roughly punctured: podoon dark purple, extremely long and slender: abdomen elliptical, slightly compressed, smooth, shining, dull red, shorter than the podoon, much shorter and smaller than the thorax; metapodeon extremely large, occupying the whole of the dorsum and almost hiding the ventral segments: legs pubescent, red, very slender; coxæ small, cupreous, rugulose; spines of the tibiæ small, black; first joint of the tarsi very long, equal in length to the other four joints; claws and pulvilli small: wings very slightly fuscous; nervures piceous; humerus much longer than the ulna; radius much shorter than the ulna; cubitus extremely short. Length of the body 4 lines; expansion of the wings 6 lines.

Page 21. *EUCHARIS* *Pyttalus*, Walker, MSS. *Fem. Viridis, abdominis disco cupreo, antennis piceis, pedibus flavis, alis limpidis.* (Corp. long. lin.  $1\frac{1}{2}$ ; alar. lin. 3.)

Body convex, bright-green, here and there æneous: head and thorax rugulose: head transverse, very short, tuberculate, as broad as the thorax: eyes small, round, prominent: ocelli near together on the vertex, the middle one a little in advance of the other two: mandibles fulvous, long, arcuate, armed with long sharp teeth, two on one mandible and one on the other: antennæ piceous, filiform, a little shorter than the thorax; first joint long, slender, yellow; second cyathiform; third and fourth extremely minute; fifth and following joints to the twelfth successively decreasing in length; thirteenth joint somewhat fusiform, slender towards the tip, nearly twice the length of the twelfth joint: thorax elliptical: prothorax extremely short, hardly visible above, transversely striated: scutum of the mesothorax of moderate size, rather broader than long, very slightly furrowed along the disk; sutures of the parapsides very distinct, approaching each other: axillæ large, triangular, almost conniving, approaching much nearer to each other than in the Eurytomidæ and the Torymidæ; scutellum subrhomboidal, rather large, declining behind: metathorax transverse, very short: propodeon large, obconical, decumbent, having a rim on each side: podoon short, stout: abdomen conical, minutely squameous, concave above, keeled beneath, cupreous on the disk, nearly as broad as the thorax but much shorter; metapodeon occupying all the dorsum: legs yellow, slender; coxæ blue, scaly; joints of the tarsi from the first to the fourth successively decreasing in length; fifth joint longer than the fourth: wings ample, limpid; nervures fuscous; humerus about one-third of the length of the wing; ulna fully as long as the humerus; radius extending to the tip of the wing, nearly

as long as the ulna; cubitus very short, not one-sixth of the length of the radius; stigma rather large, emitting no branch.

*Thoracantha*  
*Kapala*

THORACANTHA Anchurus, Walker, MSS. *Nigrocyanæ antennæ nigris, basi fulvis, pedibus flavis, alis limpidis.*

Body bluish-black, gibbous, shining: head and thorax transversely rugulose: head not so broad as the thorax; front smooth, shining: mouth fulvous: antennæ black; first joint fulvous: scutellum longitudinally furrowed, and armed with two striated very long and slightly bent spines: propodeon very large, rugulose, slightly furrowed: podoon cylindrical, very slender, as long as the propodeon: abdomen compressed, smooth, shining, shorter and narrower than the thorax; metapodeon hiding all the other segments: legs yellow, very slender; coxæ black; wings limpid; nervures pale-yellow; humerus nearly twice the length of the ulna; radius none; cubitus very short; stigma extremely small. Length of the body 2 lines; expansion of the wings 4 lines.

a. Brazil.

*Schwarz*

Page 22. THORACANTHA Nasua, Walker, MSS. *Viridis cupreo et cyaneo varia, antennis ferrugineis, 8-ramosis, basi fulvis, pedibus fulvis, coxis cyaneoviridibus, alis limpidis, proalio fusco subnebulosis.*

Male; Body convex, bright green, slightly varied with blue and cupreous: head transverse, short; vertex broad, minutely punctured; front large, almost smooth, abruptly decumbent: mouth fulvous: eyes piceous, oval, of moderate size: antennæ filiform, ferruginous, pubescent, adorned with eight branches, as long as the head and thorax; first joint fulvous, long and stout; the following joints very short; those towards the tip longer: thorax gibbous, coarsely punctured: prothorax extremely short, not visible above: scutum of the mesothorax large; sutures of the parapsides distinct, approximating near together on the fore-border of the scutellum; scutellum two-lobed; the first lobe transverse, narrow; the second prominent, obconical, abruptly decumbent behind, furrowed lengthwise above, the tip divided into two long spines which are slightly curved inwards: metathorax very short: propodeon large, obconic, abruptly declining: podoon stout, nearly smooth, less than half the length of the abdomen: abdomen oval, bluish-green, smooth, shining, slightly compressed, much shorter and narrower than the thorax; metapodeon extremely large, occupying all the dorsum, and hiding the ventral segments: legs very slender, fulvous, pubescent; coxæ small, bluish-green; spines of the tibiæ small; first joint of the tarsi nearly as long as the other four; third joint shorter than the second, but longer than the fourth; fifth joint nearly as long as

the second: wings limpid; fore-wings slightly clouded with fuscous; nervures piceous; humerus very much longer than the ulna which is thick at the tip; radius shorter than the ulna; cubitus very short. Length of the body 2 lines; expansion of the wings 4 lines.

Page 22. PERILAMPUS Alexinus, Walker, MSS. *Nigrocyanus, angustus, antennis piceis, pedibus fulvis piceo variis, alis limpidis.*

Æneous black, convex, coarsely punctured, more slender than is usual in this genus: antennæ piceous: tip of the scutellum armed with two teeth: propodeon rugulose: abdomen oval, smooth, shining, thinly clothed with hairs, much shorter than the thorax; metapodeon occupying more than half the dorsum; ootoon, ematton and decaton short; protelum and following segments very short: ventral segments not hidden by those of the dorsum; metapodeon large; the following segments short and successively decreasing in length: legs fulvous; coxæ and thighs piceous, tips of the latter fulvous; tibiæ irregularly encircled with fulvous: wings limpid; squamulæ yellow; nervures fulvous; humerus thrice the length of the ulna; radius and cubitus extremely short; stigma very small. Length of the body  $2\frac{1}{2}$  lines; expansion of the wings 4 lines.

PERILAMPUS Lepreos, Walker, MSS. *Nigrocæneus, latus, antennis pedibusque piceis, tarsi fulvis, alis limpidis.*

Æneous black, gibbous, neatly punctured, broader than the preceding species: head almost smooth: antennæ piceous: scutellum prominent, having a rim along its hind border whence it is abruptly decumbent: propodeon almost smooth with a longitudinal furrow: abdomen smooth, shining, broader than long, not half the length of the thorax; metapodeon occupying the whole of the dorsum: legs piceous; knees and tarsi fulvous: wings limpid, squamulæ and nervures fulvous. Length of the body  $1\frac{1}{2}$  line; expansion of the wings 3 lines.

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

Page 30. LAMPROTATUS Babilus, Walker, *Ann. Nat. Hist.* February, 1846.

Body stout, gibbous, shining, bluish-green: head and thorax finely squameous: head a little broader than the thorax: antennæ black, subclavate, not longer than the thorax; the joints from the fifth to the tenth successively decreasing in length; club conical: prothorax of moderate size: scutum transverse; sutures of the parapsides very distinct; scutellum prominent, with a trans-

verse suture near its tip: propodeon large, obconic, declining, not furrowed: podoon stout, moderately long: abdomen smooth, keeled beneath, thinly clothed with white hairs, shorter than the thorax; metapodeon deeply excavated; octoon, ennaton and decaton rather large; the rest very short: legs piceous; coxæ and thighs green, knees and base of tibiæ fulvous: wings fuscous; nervures piceous; humerus more than twice the length of the ulna; radius much longer than the ulna; cubitus nearly as long as the ulna; stigma rather large. Length of the body  $1\frac{1}{4}$  line; expansion of the wings  $2\frac{1}{2}$  lines.

Page 30. LAMPROTATUS chrysochlorus, Haliday. *Æneoviridis*,  
*antennis nigris, pedibus flavis fusco variis, alis limpidis.*

*Male*; Body convex: head and thorax squameous: head a little broader than the thorax; antennæ slender, filiform, rather longer than the thorax; first joint long, slightly dilated beneath; second nearly round; third and fourth very minute; fifth and following joints to the tenth long, linear, successively decreasing in length; club linear, very long, acuminate, thrice the length of the tenth joint: thorax elliptical: prothorax transverse, short, rather small, narrow in front: scutum of the mesothorax large, having a distinct channel across the middle; sutures of the parapsides distinct, approaching each other; axillæ large, triangular, not conniving; scutellum conical, not impressed in front, but having a transverse channel near the tip: metathorax large, obconical, decumbent: podoon stout, very short, much less than the length of one-sixth of the abdomen: abdomen fusiform, depressed, very finely squameous, rather shorter and narrower than the thorax; metapodeon large, conical, smooth, covering nearly one half of the dorsum; octoon shorter than one-fourth of the metapodeon; ennaton more than twice the length of the octoon; decaton as long as the octoon; protelum, paratelum, and telum very short: legs slender: wings ample; humerus less than one-half the length of the wing; ulna about half the length of the humerus; radius very much longer than the ulna; cubitus hardly more than half the length of the ulna; stigma rather large, pyriform, emitting a short branch towards the radius.

*Female*; Antennæ slender, filiform, as long as the thorax; first joint long, slender; second cyathiform; third and fourth very minute; fifth and following joints to the tenth long, linear, successively decreasing in length; club linear, acuminate, twice the length of the tenth joint: scutum of the mesothorax not channelled: abdomen smooth, oval, acuminate, depressed above, deeply keeled beneath, shorter but hardly narrower than the thorax; metapodeon large, conical, occupying nearly one-half of the dorsum; octoon, ennaton, and decaton equal in size, each rather

shorter than one-third of the metapodeon; protelum shorter than the metapodeon; paratelum and telum very short: sheaths of the oviduct just appearing beyond the tip of the abdomen. Length of the body 2 lines; expansion of the wings 4 lines.

Page 48. PTEROMALUS Sumides. *Viridis cupreo variis, antennis piceis, pedibus flavis, alis limpidis.*

*Male*; Green, varied with cupreous, shining; head and thorax finely squameous: head broader than the thorax: antennæ slender, filiform, piceous, longer than the thorax; first joint yellow; the joints from the fifth to the tenth successively decreasing in length; club fusiform, more than twice the length of the tenth joint: thorax fusiform: prothorax of moderate size: sutures of the parapsides indistinct; scutellum exhibiting no traces of the transverse suture: propodeon large, with a slight keel along the middle: podoon extremely short: abdomen fusiform, smooth, shorter than the thorax; metapodeon large; octoon, ennaton and decaton of moderate size; protelum and following segments very short: legs yellow: wings limpid; nervures fulvous; humerus much longer than the ulna; radius shorter than the ulna; cubitus shorter than the radius; stigma very small.

*Female*; Dull-green: head as broad as the thorax: antennæ subclavate, rather shorter than the thorax; first joint piceous, fulvous at the base; club oval: abdomen oval, a little shorter and broader than the thorax, concave above, keeled beneath. Length of the body  $1\frac{1}{2}$  line; expansion of the wings  $2\frac{1}{2}$  lines.

Page 48. PTEROMALUS Odites. *Purpureus, abdomine cyaneo basi viridi, antennis piceis, pedibus flavis, femoribus piceo vittatis, alis limpidis.*

*Female*; Dull purple, head and thorax finely squameous; head a little broader than the thorax: antennæ subclavate, slender, piceous, much shorter than the thorax; first joint fulvous: the joints from the fifth to the tenth successively decreasing in length; club conical, much longer than the tenth joint: thorax fusiform: prothorax of moderate size: sutures of the parapsides very indistinct; no traces of the suture across the scutellum: propodeon green, keeled lengthwise: podoon extremely short: abdomen oval, smooth, shining, concave above, keeled beneath; shorter and broader than the thorax; disk chiefly blue; metapodeon large, bright-green, varied with cupreous; octoon and following segments of moderate size: legs yellow; a pale piceous stripe along each thigh: wings limpid; nervures yellow; humerus much longer than the ulna; radius shorter than the ulna; cubitus shorter than the radius; stigma fulvous, very small. Length of the body  $1\frac{1}{2}$  line; expansion of the wings 2 lines.

Page 48. *PTEROMALUS Nestocles*. *Viridis, abdomine cupreo, antennis piceis, pedibus fulvis, femoribus viridibus, alis limpida.*

*Male*; Body stout, dull green: head and thorax finely squameous: head broader than the thorax: antennæ filiform, slender, piceous, hardly longer than the thorax; joints from the fifth to the tenth successively decreasing in length; club fusiform, twice the length of the tenth joint: thorax oval: prothorax short: sutures of the parapsides indistinct, scutellum with no traces of a transverse suture: propodeon large, not keeled: podocon extremely short: abdomen nearly linear, depressed, smooth, shining, shorter than the thorax; disk cupreous; metapodeon large; octoon and following segments of moderate size: legs fulvous; coxæ and thighs green, tips of the latter fulvous: wings limpid; nervures fulvous; humerus much longer than the ulna; radius shorter than the ulna; cubitus shorter than the radius; stigma very small. Length of the body  $1\frac{1}{4}$  line; expansion of the wings  $1\frac{1}{2}$  line.

Page 48. *PTEROMALUS Amyntor*. *Cyaneoviridis, thorace æneo, antennis fuscis, pedibus fulvis, femoribus viridibus, alis subflavis.*

*Female*; Bright-bluish-green: head and thorax finely squameous: head as broad as the thorax: antennæ clavate, fuscous, shorter than the thorax; first joint fulvous; joints from the fifth to the tenth successively decreasing in length; club conical, twice the length of the tenth joint: thorax oval, bright æneous: prothorax very short; sutures of the parapsides very indistinct; no traces of the transverse suture on the scutellum: propodeon short, keeled: podocon extremely short: abdomen fusiform, concave above, keeled beneath, longer than the thorax; hind-border of each segment cupreous; metapodeon large; octoon and following segments of moderate size: legs bright fulvous; coxæ and thighs green, tips of the latter fulvous; tips of the tarsi piceous: wings slightly tinged with yellow; nervures yellow; humerus rather more than twice the length of the ulna; radius a little longer than the ulna; cubitus shorter; stigma fuscous, very small. Length of the body  $\frac{3}{4}$ —1 line; expansion  $1\frac{1}{4}$ — $1\frac{1}{2}$  line.

Page 48. *PTEROMALUS Cercides*, Mas. et Fem. *Viridis, abdomine cupreo, antennis nigris, pedibus fulvis, femoribus viridibus, alis limpida.* (Corp. long. lin. 1; alar. lin.  $1\frac{1}{2}$ )

Body nearly linear: head and thorax dark-green, finely squameous: head broader than the thorax: antennæ black, subclavate, slender, as long as the thorax, first joint long, very slender; second cyathiform; third and fourth very minute; the following

joints from the fifth to the tenth successively decreasing in length; club fusiform, more than twice the length of the tenth joint: thorax oval: prothorax transverse, very short: scutum of the mesothorax broad; sutures of the parapsides indistinct; scutellum obconic, having a slight trace of a transverse suture near the tip: propodeon obconic, declining, bluish-green: podocon very short: abdomen dark cupreous, depressed above, increasing in breadth from the base to the tip, shorter and narrower than the thorax; metapodeon of moderate length, varied with green; octoon and following segments short: legs fulvous; coxæ and thighs green; tips of the latter fulvous: wings limpid; nervures fuscous; ulna rather more than half the length of the humerus; radius much shorter than the ulna; cubitus nearly as long as the radius; stigma very small.

*Female*; Abdomen oval, keeled beneath.

Page 52. *EPISTENIA Feretrius*, Walker, MSS. *Nigra, antennis basi rufis, pedibus rufis, coxis femoribusque nigro cyaneis, tarsis fulvis, alis limpida.*

Body convex, black, with a very slight metallic tinge, dull, punctured, pubescent: head transverse, short, a little broader than the thorax; vertex broad; front abruptly declining, excavated: eyes of moderate size: ocelli 3, disposed in a triangle on the vertex: antennæ black, subclavate, mutilated; first joint long, slender, red towards the base: thorax oval: prothorax transverse, very short: scutum of the mesothorax large; sutures of the parapsides indistinct; scutellum large, obconical: metathorax and propodeon very short, almost hidden by the scutellum: podocon extremely short: abdomen subulate, finely punctured, slightly shining, narrower than the thorax, and nearly twice its length; hind-borders of the segments almost smooth; octoon, enuaton and decaton short; protelum much longer; paratelum and telum dart-shaped; oviduct projecting a little beyond the tip of the latter: legs slender, pubescent; coxæ and thighs bluish-black; trochanters, knees, and tibiæ dull-red; tarsi fulvous: wings limpid; nervures piceous; humerus nearly twice the length of the ulna; radius rather shorter than the ulna; cubitus not half the length of the radius; stigma very small. Length of the body  $4\frac{1}{2}$  lines; expansion of the wings 5 lines.

*EPISTENIA Ania*, Walker, MSS. *Purpurea, antennis nigris basi rufis, coxis, metafemorunque vittis purpureis, alis subfuscis.*

*Female*; Body convex, dull, punctured, purple, pubescent, head transverse, short, blue, as broad as the thorax; vertex broad; front green, excavated, abruptly declining: antennæ black, fili-

form, shorter than the thorax; first joint bluish-green, long, slender, red towards the base: thorax elliptical: prothorax transverse, very short: scutum of the mesothorax large; sutures of the parapsides indistinct; scutellum large, obconical: metathorax and propodeon transverse, short: abdomen cylindrical, very long and slender, about twice the length of the thorax: legs red; coxæ purple; a purple stripe along each hind-thigh: wings with a slight fuscous tinge; nervures piceous; humerus much longer than the ulna; radius shorter than the ulna; cubitus short; stigma very small. Length of the body 9 lines; expansion of the wings 6 lines.

Page 52. CALOSOTER Anemetus, Walker, MSS. *Purpureus cyaneo et viridi varius, antennis nigris, pedibus rufis, alis limpidis.*

Body convex, long, very slender, purple, tinged with blue and green; head and thorax punctured: head transverse, short, not broader than the thorax; vertex rather narrow; front abruptly declining, excavated, eyes of moderate size, prominent: ocelli forming a small triangle on the vertex: antennæ black, mutilated: thorax elliptical: prothorax very narrow, almost smooth, attenuated in front, much lower than the mesothorax: scutum of the mesothorax large; sutures of the parapsides very indistinct; scutellum obconical, of moderate size: metathorax and propodeon very short, transverse, declining: abdomen dart-shaped, shining, very finely squameous, keeled beneath, much longer and narrower than the thorax, slightly compressed; segments rather long oviduct red, not passing the tip of the abdomen: legs red, slender, slightly pubescent: wings limpid; nervures piceous; humerus rather more than twice the length of the ulna; radius shorter than the ulna; cubitus curved towards the radius, but less than half its length; stigma extremely small. Length of the body 5 lines; expansion of the wings 6 lines.

EPELMUS Iopas, Walker, MSS. Fem. *Purpureus, capite viridi, abdomine cyaneo et aeneo vario, antennis nigris basi fulvis, oviductu abdomine brevior, pedibus fulvis, alis limpidis.* (Corp. long. lin. 2; alar. lin. 2½.)

Head dark-green, transverse, pubescent, bluish in front, as broad as the thorax: antennæ slender, subclavate, black, a little longer than the thorax; first joint long, slender, dull fulvous; second long-cyathiform; third and fourth very minute; fifth and following joints to the tenth long, successively shorter and broader; club fusiform, compressed diagonally at the tip, twice the length of the tenth joint: thorax elliptical, purple, brighter beneath, in structure like that of *E. urocerus*: propodeon very short: abdomen fusiform, purple varied with blue and aeneous, longer and a little narrower than the thorax, in structure like that of *E. urocerus*:

oviduct exerted; its sheaths fulvous, a little shorter than the abdomen, black along one-third of their length from the base; legs fulvous; tarsi pale yellow; middle-legs long and dilated as usual; wings rather small, limpid from the base till near the middle, thence fuscous till near the tips; nervures piceous; humerus much less than half the length of the wing; ulna as long as the humerus; radius not more than one-fourth of the length of the ulna; cubitus as long as the radius; stigma very small, emitting a short branch.

ENCYRTUS Polylaus, Fem. *Viridis, abdomine cupreo, antennis fuscis, metapedibus fuscis aut piceis, alis limpidis.* (Corp. long. lin. ¾; alar. lin. 1½.)

Body rather long; head and thorax convex, bright-green, finely squameous; head transverse, as broad as the thorax; vertex rather broad; front not impressed; eyes of moderate size, not prominent; ocelli disposed in a triangle on the vertex; antennæ slender, fuscous, subclavate, rather longer than the thorax; first joint long, slender, yellow; second piceous, cyathiform; third and following joints to the club successively increasing in breadth; club fusiform; thorax elliptical; prothorax transverse, short, rounded in front, straight behind; scutum of the mesothorax large, transverse; parapsides united to the scutum; axillæ large, complete; scutellum large, obconic; metathorax, propodeon, and podoon very short, declining; abdomen cupreous, obconic, depressed, smooth, shining, narrower and much shorter than the thorax; metapodeon bright-green, of moderate size; octoon and following segments short; legs fulvous, stout; middle-thighs and middle-tibiæ dilated, and the former armed with long spines; hind thighs and hind tibiæ slightly fuscous; wings limpid; nervures fulvous; humerus much less than half the length of the wing; ulna and radius extremely short; cubitus longer than the radius; stigma very small.

a. England. Presented by F. Walker, Esq.

ENCYRTUS Nasidius, Walker, MSS. Fem. *Ater, abdomine aeneo, antennis fuscis aut piceis, pedibus fulvis aut piceis, alis limpidis.* (Corp. long. lin. ½; alar. lin. ¾.)

Body stout, pubescent: head and thorax slightly convex, deep-black, dull, squameous; head transverse, very short, not narrower than the thorax; vertex broad; front impressed, abruptly declining; eyes of moderate size, not prominent; ocelli near together in a triangle on the vertex; antennæ clavate, fuscous, as long as the thorax; first joint piceous, long, slender; second piceous, long-cyathiform; third and following joints to the eighth successively increasing in breadth; club fusiform, broader than the eighth joint

and more than twice its length; thorax short, nearly oval; prothorax very short; scutum of the mesothorax broad; parapsides united to the scutum; axillæ complete; scutellum large, obconic; propodeon short; podoon extremely short; abdomen obconic, depressed, æneous, smooth, shining, a little shorter and broader than the thorax; metapodeon and following segments short; legs fulvous; protibiæ and protarsi dilated, and the former armed with long spines; coxæ black; thighs and tibiæ piceous, tips of the latter fulvous; wings limpid, rather large; nervures fulvous; humerus much less than half the length of the wing; ulna and radius broad, very short; cubitus of moderate length; stigma very small. Var. B. Antennæ piceous; abdomen æneous-black; tibiæ altogether piceous; tarsi fuscous.

a. England. Presented by F. Walker, Esq.

ENCYRTUS Proculus, Walker, MSS. Fem. *Viridis, abdomine antennis pedibusque nigris, genibus tarsisque flavis, alis limpidis.* (Corp. long. lin.  $\frac{1}{2}$ — $\frac{2}{3}$ ; alar. lin.  $\frac{3}{4}$ —1.)

Body thick; head and thorax convex, squameous, bright-green; head a little broader than the thorax; vertex broad; front not impressed, abruptly declining; eyes of moderate size, not prominent; ocelli disposed in a triangle on the vertex: antennæ clavate, black, inserted near the mouth, nearly as long as the body; first joint slender, very long; second long-cyathiform; the following joints from the third to the eighth successively shorter and broader; club fusiform, broader than the eighth joint and thrice its length; thorax short, oval; prothorax very short; scutum of the mesothorax very large, narrower in front; parapsides united to the scutum; axillæ complete; scutellum somewhat obconic; propodeon short, declining; podoon extremely short; abdomen oval, depressed, shining, finely squameous, æneous black, narrower than the thorax and hardly more than half its length; metapodeon, octoon, ennaton and decaton of moderate size; the other segments very short: oviduct exerted, as long as one-fourth of the abdomen; legs black, stout; mesotibiæ and mesotarsi dilated, and the former armed with long spines; coxæ green; knees yellow; tarsi yellow, their tips piceous; wings limpid; nervures piceous; humerus much less than half the length of the wing; ulna and radius broad, extremely short; cubitus of moderate length, pointing towards the disk of the wing; stigma very small.

a. England. Presented by F. Walker, Esq.

ENCYRTUS Fundulus, Walker, MSS. Mas. *Cupreus scuto viridi, abdomine nigro, antennis fuscis basi piceis, pedibus fusco-flavis, nigro cinctis, alis limpidis.* (Corp. long. lin.  $\frac{1}{2}$ ; alar. lin. 1.)

Body linear, rather narrow; head and thorax convex, finely

squameous: head transverse, æneous, broader than the thorax; vertex broad; front abruptly declining, not impressed; eyes of moderate size, not prominent: ocelli forming a triangle on the vertex: antennæ subclavate, slender, fuscous, longer than the thorax: first joint long, stout, piceous; second piceous, long-cyathiform; the following joints from the third to the eighth successively increasing in length: club fusiform, broader than the eighth joint, and more than twice its length: thorax oblong-subquadrate, dark cupreous: prothorax transverse, very short: scutum of the mesothorax broad, bright green: parapsides united to the scutum; axillæ complete; scutellum obconic: propodeon subquadrate, declining, rather large; podoon extremely short: abdomen linear, depressed, black, minutely squameous, rather shorter and narrower than the thorax; metapodeon of moderate length; octoon and following segments short: legs black; mesotibiæ and mesotarsi slightly dilated, and the former armed with long spines; tips of the tibiæ yellow; trochanters, protibiæ, protarsi, and metatarsi fuscous; knees and mesotarsi yellow, tips of the latter fuscous: wings limpid, rather narrow; nervures fuscous; humerus much less than half the length of the wing; ulna and radius broad, very short; cubitus of moderate length, pointing towards the disk of the wing; stigma very small.

a. Scotland. Presented by F. Walker, Esq.

Page 61. ELASMUS Anis. Fem. *Niger, capite viridi, antennis piceis, pedibus fuscis, femoribus nigris, protibiis fulvis, alis subfuscis.* (Corp. long. lin.  $\frac{3}{4}$ ; alar. lin.  $1\frac{1}{2}$ .)

Body black: head and thorax convex, dull, roughly punctured: head green, very short, nearly as broad as the thorax: eyes of moderate size, not prominent: antennæ piceous, subclavate, as long as the thorax; first joint long, slender; second long-cyathiform; third and fourth very minute; fifth, sixth, and seventh linear, nearly equal in size; club fusiform, twice the length of the seventh joint: thorax oval: prothorax transverse, very short: scutum of the mesothorax broad; sutures of the parapsides indistinct; scutellum obconic: metathorax transverse, very short: podoon very short: abdomen lanceolate, smooth, shining, compressed, concave above, keeled beneath, narrower and much longer than the thorax; metapodeon of moderate length; octoon and following segments short: legs fuscous, long, slender; coxæ and thighs black; mesotibiæ fulvous: wings slightly fuscous, narrow; nervures fuscous; ulna nearly twice the length of the humerus; radius short; cubitus not more than half the length of the radius; stigma very small.

a. England. Presented by F. Walker, Esq.



Page 69. ELACHESTUS Idomene, Walker, MSS. Eulophus  
Aitæus, Walker, Mon. Chal. ii. 41. *Æneoviridis*, abdomine  
basi flavo maculato, antennis nigris, pedibus fulvis, alis lim-  
pidis.

*Female*; Body depressed: head and thorax finely squameous,  
æneous green: antennæ black, filiform, more than half the length  
of the body; first joint fulvous, long, slender: prothorax well-  
developed, narrower in front: sutures of the parapsides indistinct;  
axillæ large: metathorax furrowed: abdomen elliptical, æneous,  
smooth, much shorter than the thorax, with a large pale yellow  
spot near its base: legs pale fulvous: wings limpid; nervures  
piceous; humerus much longer than the ulna; radius much  
shorter than the ulna; cubitus shorter than the radius; stigma  
very small.

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