

LIST

OF THE

SPECIMENS

OF

HYMENOPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART I.—CHALCIDIDS.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1846.

LONDON
E. NEWMAN, PRINTER, DEVONSHIRE STREET,
BISHOPSGATE.

teeth; propodeon rugulose, slightly spined on each side: abdomen shining, finely punctured, pubescent towards the tip; legs black; hind tibiae red; hind tibiae dark piceous, varied with red; wings slightly fuscous; squamulae black; nervures dark piceous. Length of the body 2½ lines; expansion of the wings 5 lines.

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

CHAIRIS Almon. *Nigra, trochanteribus, genibus, 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 1½ line; expansion of the wings 2 lines.

a. Isle of France.

CHAIRIS Amencoles, Walker, MSS. *Nigra, pedibus rufis, coxis nigris, femoribus apice tibisque 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 tibiae 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.

CHAIRIS Udalegon, Walker, MSS. *Nigra, antennis pedibusque rufis, profemoribus et mesofemoribus nigris apice albis, metofemoribus apice albis, subis 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 hirterculcate: propodeon roughly excavated, abdomen wanting: legs red; fore-tibiae and middle tibiae black, their tips white, as are also those of the hind-tibiae, 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 2½ lines; expansion of the wings 3½ lines.

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

Page 7. *HALICHELLA* Mijs, Walker, MSS. *Nigra abdomine apice rufa, antennis petibisque 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: podon very short: abdomen smooth, shining, as long as the thorax, red towards the tip which is somewhat attenuated: legs ferruginous; tibiae 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. *HALICHELLA* Amage.—H. Proxenus. Page 7.

Page 7. *DIAPHYSA* Anthracina, Walker, MSS. *Nigra, pedibus rufis, metapodibus nigris, alis limpidis.*

Body black, dull, punctured: antennae black: head clothed beneath with silvery down: tip of the scutellum denate: 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 2½ lines.

Page 8. *ERYTROMA* fuminennis, Walker, Ent. Mag. iv. 24.

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

Page 10. *ERYTROMA* Iphis, Atrra, *genibus tarsisque rufis, his apice piceis, alis subfuscis.*

Femalé: 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 three 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: podon 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; oocoon short, less than half the length of the metapodeon; ematon much longer than the oocoon; decaton as long as the ematon; propleum,

paracelium 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; nervus 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; sigma very small, emitting a short branch.

Page 21. *Eucnavis Eginctus*, Walker, MSS. *Virens 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: antennae 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: scutellum obovate, abruptly decumbent beyond the tip which has no spines: propodeon large, obovate, abruptly decumbent: abdomen 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; coxae small, green; spines of the tibiae 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; nervus piceous; humerus much longer than the ulna; radius rather shorter than the ulna; cubitus extremely short; sigma small. Length of the body 2½ lines; expansion of the wings 4½ lines.

Page 21. *Eucnavis Larvina*, Walker, MSS. *Corpore, 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: antennae black, filiform, pubescent: antennae of the male nearly as long as the body; joints long and linear: antennae of the female shorter: thorax slightly gibbous: prothorax extremely short, not visible above: scutellum of the mesothorax large, transverse, sutures of the parapsides indistinct, converging towards the scutellum; axillae remote; scutellum

large, obovate above, abruptly decumbent at the tip; metathorax very short; propodeon large, obovate, declining, roughly punctured: podcon dark purple, extremely long and slender: abdomen elliptical, slightly compressed, smooth, shining, dull red, shorter than the podcon, 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; coxae small, cupreous, rugulose; spines of the tibiae 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; nervus 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. *Eucnavis Pytalus*, Walker, MSS. *Fem. Virens, abdominis disco cupreo, antennis piceis, pedibus flavis, alis limpidis.* (Corp. long. lin. 1½; alar. lin. 3.)

Body convex, bright-green, here and there aneous: 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, acute, armed with long sharp teeth, two on one mandible and one on the other: antennae piceous, filiform, a little shorter than the thorax; first joint long, slender, yellow; second cylindrical; 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 fattened along the disk; sutures of the parapsides very distinct, approaching each other: axillae large, triangular, almost connate, approaching much nearer to each other than in the *Eurytomidae* and the *Torymidae*; scutellum subrhomboidal, rather large, declining behind: metathorax transverse, very short: propodeon large, obovate, decumbent, having a rim on each side: podcon 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; coxae 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; nervus 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 Anchurus, Walker, MSS. *Nyrocyanea antennis nigritis, basi fulvis, petibus 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; antennae black; first joint fulvous; scutellum longitudinally furrowed, and armed with two striated very long and slightly bent spines; propodeon very large, rugulose, slightly furrowed; pecton 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; nerves 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.

α. Brazil.

Page 22. THORACANTHA Nana, Walker, MSS. *Vireidis cupreo et cyaneo varia, antennis ferrugineis, 8-ramosis, basi fulvis, pedibus fulvis, coris cyaneoviridibus, alis limpidis, proctis 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; antennae 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; pecton 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 tibiae 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; nerves 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 Aleximus, Walker, MSS. *Nyrocyaneus angustus, antennis piceis, petibus fusco varis, alis limpidis.*

Eneous black, convex, coarsely punctured, more slender than is usual in this genus; antennae 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; octocon, emulion and decacon short; protellum 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; tibiae irregularly encircled with fulvous; wings limpid; squamulae yellow; nerves fulvous; humerus three the length of the ulna; radius and cubitus extremely short; stigma very small. Length of the body 2½ lines; expansion of the wings 4 lines.

PERILAMPUS Lepreus, Walker, MSS. *Nyrocyaneus, latus, antennis pedibusque piceis, tarsis fulvis, alis limpidis.*

Eneous black, gibbous, neatly punctured, broader than the preceding species; head almost smooth; antennae 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; squamulae and nerves fulvous. Length of the body 1½ line; expansion of the wings 3 lines.

α. Georgia. From Mr. Abbott's collection.

Page 30. LAMPROTARUS 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; antennae 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, emnaton and decaon rather large; the rest very short: legs piceous; coxae and tibiae green, knees and base of tibiae fulvous: wings fuscous: alba; radius much longer than the ulna; cubitus nearly as long as the alba; stigma rather large. Length of the body 1½ line; expansion of the wings 2½ lines.

Page 30. LAMPORARIS chrysochlorus, Haliday. *Zenoveridius, antennalis nigris, pedibus flavis fusco varis, alis limpidis.*

Male; Body convex: head and thorax squameous: head a little broader than the thorax; antennae 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 parapsidites distinct, protruding each other: axillae 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 octoon: octoon shorter than one-fourth of the metapodeon; emnaton more than twice the length of the octoon; decaon as long as the octoon; proclium, paratellum, and tellum 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; Antennae slender, filiform, as long as the thorax; first joint long, slender; second gyathiform; 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, emnaton, and decaon equal in size, each rather

shorter than one-third of the metapodeon; proclium shorter than the metapodeon; paratellum and tellum 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. PERONARIS Smilides. *Vireidis cupreo varius, antennis piceis, pedibus flavis, alis limpidis.*

Male; Green, varied with cupreous, shining; head and thorax finely squameous: head broader than the thorax; antennae 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 parapsidites indistinct; scutellum exhibiting no traces of the transverse podoon extremely short; abdomen fusiform, smooth, shorter than the thorax; metapodeon large; octoon, emnaton and decaon of moderate size; proclium 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; antennae subovate, 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 1½ line; expansion of the wings 2½ lines.

Page 48. PERONARIS Ollies. *Purpureis, abdomine cyaneo basi viridi, antennis piceis, pedibus flavis, femoribus piceo nitatis, alis limpidis.*

Female; Dull purple, head and thorax finely squameous; head a little broader than the thorax; antennae subovate, 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 parapsidites very indistinct; no traces of the suture across the scutellum: podoon 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 1½ line; expansion of the wings 2 lines.

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

Male: Body stout, dull green: head and thorax finely squameous: head broader than the thorax: antennæ filiform, slender, 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: pecton extremely short: abdomen nearly linear, depressed, smooth, shining, shorter than the thorax; disk cupreous; metapodeon large; oecoon and following segments of moderate size: legs fulvous; coxæ and tibiae 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 $1\frac{1}{2}$ line; expansion of the wings $1\frac{1}{2}$ line.

Page 48. *PREROMALUS* *Amyntor*. *Gynaeceviridis*, *thorace cæneo*, *antennis fuscis*, *pedibus fulvis*, *femoribus viridibus*, *alissubflavis*.

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; traces of the transverse suture on the scutellum: propodeon short, keeled: pecton extremely short: abdomen fusiform, concave above, keeled beneath, longer than the thorax; hind-border of each segment cupreous; metapodeon large; oecoon and following segments of moderate size: legs bright fulvous; coxæ and tibiae 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 $\frac{1}{2}$ line; expansion $1\frac{1}{2}$ line.

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

Body nearly linear: head and thorax dark-green, finely squamate, slender, as long as the thorax; antennæ black, subsecond cylindrical; 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 mesoconic, having a slight trace of a transverse suture near the tip: propodeon obconic, declining, bluish-green: pecton 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; oecoon and following segments short: legs fulvous; coxæ and tibiae 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. *EXISTENTIA* *Eretrinus*, *Walker*, *MISS*. *Nigra*, *antennis basi rufis*, *pedibus rufis*, *coxis femoribusque nigro cyanis*, *lucis fulvis*, *alis limpidis*.

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, unilobed; 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 short: abdomen subulate, finely punctured, slightly shining, narrower than the thorax, and nearly twice its length; hind-borders of the segments almost smooth; oecoon, emanation and decidua short; pectolium much longer: paracolum and telum dart-shaped; oviduct projecting a little beyond the tip of the latter: legs slender, pubescent; coxæ and tibiae bluish-black; trochanters, knees, and tibiae 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 $\frac{1}{2}$ line; expansion of the wings 5 lines.

EXISTENTIA *Amis*, *Walker*, *MISS*. *Purpurea*, *antennis nigris basi rufis*, *co. is*, *metafemoribusque villis purpureis*, *alissubfuscis*.

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, fil-

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 parapodeon indistinct; scutellum large, obconical; metathorax and pro-podeon transverse, short; abdomen cylindrical, very long and slender, about twice the length of the thorax; legs red; coxae 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* *Anemelus*, Walker, MSS. *Purpureus cyaneus* et *viridis 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; antennae 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 parapodes very indistinct; scutellum obconical, of moderate size; metathorax and propodeon very short, transverse, declining; abdomen dark-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 limpida; 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.

FLY-WASPS. *Iogas*, Walker, MSS. *Fem. Propureus, cupric viridi*, *abdomine cyaneo* et *caeco virido*, *antennis nigris basi fulvis*, *ocellis abdomine brevioribus*, *pedibus fulvis*, *alis limpidis*. (Corp. long. lin. 2; alar. lin. 2½.)

Head dark-green, transverse, pubescent, bluish in front, as broad as the thorax; antennae 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*; podcon very short; abdomen fusiform, purple varied with blue and rufous, 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, limpida 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.

NERVURUS *Polytaus*, Fem. *Viridis*, *abdomine cupreo*, *antennis fasciis*, *metapodibus fasciis 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; antennae 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; parapodes united to the scutum; axillae large, complete; scutellum large, obconic; metathorax, propodeon, and podcon 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-thigh distal, and the former armed with long spines; hind thighs and hind tibiae slightly fuscous; wings limpida; 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. Engstrand. Presented by F. Walker, Esq.

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

Body stout, pubescent; head and thorax slightly convex, deep black, dull, squamose; 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; antennae 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; pecton extremely short; abdomen obconic, depressed, æneous, smooth, shining, a little shorter and broader than the thorax; metapodeon and following segments short; legs full; protibia and protarsi dilated, and the former armed with long spines; coxæ black; thighs and tibiae piceous, tips of the latter fulvous; wings limpid, rather large; nervus 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; tibiae altogether piceous; tarsi fuscous.

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

ENCVERTS POCULUS, Walker, MISS. Fem. *Vrtilis, abdomine antennis pedibusque nigris, genibus tarsisque flavis, alis tinpidis* (Corp. long. lin. $\frac{2}{3}$ — $\frac{3}{4}$; alar. lin. $\frac{3}{4}$ —1.)

Body thick; head and thorax convex, squameous, bright-green; impressed abruptly declining; eyes of moderate size; front not bent; ocelli disposed in a triangle on the vertex; antennæ clavate, joint slender, very long; second long-cylindrical; 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, shining, finely squameous, æneous black, narrower than the thorax and hardly more than half its length; metapodeon, octocon, enunton and decton of moderate size; the other segments very short; orduet exerted, as long as one-fourth of the abdomen; legs armed with long spines; coxæ green; knees yellow; tarsi yellow; their tips piceous; wings limpid; nervus 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.

ENCVERTS FUNDULUS, Walker, MISS. Miss. *Carpus scuto viridi, abdomine nigro, antennis fuscis basi plicatis, pedibus fuscis flavis, nigro caudis, 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-cylindrical; 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; pecton extremely short; abdomen linear, depressed, black, minutely squameous, rather shorter and narrower than the thorax; metapodeon of moderate length; octocon and following segments short; legs black; mesothorax and mesotarsi slightly dilated, and the former armed with long spines; tips of the tibiae yellow; trochanters, prothorax, protarsi, and metatarsi fuscous; knees and mesotarsi yellow, tips of the latter fuscous; wings limpid, rather narrow; nervus 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. ELASURUS ANIUS, Fem. *Niger, capite viridi, antennis plicatis, pedibus fuscis, femoribus nigris, prothoracis fulvis, alis subfuscis.* (Corp. long. lin. $\frac{2}{3}$; 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-cylindrical; third and fourth very minute; fifth, sixth, and seventh seventh joint; thorax oval; prothorax transverse, very short; scutum of the mesothorax broad; sutures of the parapsides indistinct; scutellum obconic; metathorax transverse, very short; pecton very short; abdomen lanceolate, smooth, shining, compressed, concave above, keeled beneath, narrower and much longer than the thorax; metapodeon of moderate length; octocon and following segments short; legs fuscous, long, slender; coxæ and thighs black; mesothorax fulvous; wings slightly fuscous, narrow; nervus 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. *Elachestrus Idomea*, Walker, *MISS.* *Eulophus*
Arteus, Walker, *Mon. Chal.* ii. 41. *Eneoritis*, *abdomine*
bas. flavo maculato, *antennis nigris*, *pectus fulvis*, *alis lim-*
pids.

Female; Body depressed; head and thorax finely squameous,
 aneous green; antennae 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;
 axillae large; metathorax furrowed; abdomen elliptical, aneous,
 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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