

African genus *Manticora*, represented on the plains of New Mexico by a cognate genus, *Omus*; and on the sandy plains of Chili, the insects much resemble those of Africa, a very considerable portion of the *Coleoptera* being heteromerous. I am indebted for this information to my kind friend Mr. Walker, who also informs me that many insects from the extreme southern part of America nearly resemble our own. This is exactly what we should be led to infer from the nature of the climate, which may be called insular with as much propriety as that of our own country.

And now, reader, farewell! I doubt not that thou hast found many an error in this paper, and hast often exclaimed—

“Tramite quo tendis majoraque viribus audes,”

or something of that sort. These I trust that thou wilt pardon; and I promise that I will not often, in this way at least, intrude upon thee again; perhaps never, unless those visions should be realized which have been to me “like the vapour of the plains, which the thirsty traveller thinketh to be water, but when he cometh to it he findeth nothing.”

Vale!

Δ.

ART. XXVII.—*Monographia Chalciditum*. By FRANCIS WALKER.

(Continued from p. 179.)

“—— the green myriads in the peopled grass.”

Family, PTEROMALIDÆ.

Corpus plerumque metallicolor aut nigrum: caput et thorax pubescentia, quasi squamea, nunquam aut rarissimè colore pallido variegata: caput breve, transversum, thoracis latitudine, *maxillæ* sæpè magnum thorace latius: oculi mediocres, laterales: ocelli 3, supra verticem trigonè dispositi: os occultum: mandibulæ parvæ:

palpi plerumque simplices, *mari* rarissimè dilatati aut fissi: antennæ articulis 13, nonnunquam 12, rarissimè 11, *mari* plerumque filiformes corporis longitudine, *fem.* plerumque clavatæ corpore breviores, simplices, plus minusve pubescentes; articuli approximati, sublineares; 1^{us}. longus; 2^{us}. cyathiformis; clava triarticulata: thorax varius: mesothorax plerumque ejus ferè totum occupans: abdomen sessile, quasi subtilissimè squameum, supra planum, *maris* rotundum lineare aut spathuliforme, *fem.* ovatum sublineare aut basi latum inde ad apicem gradatim acuminatam: oviductus carinula ventrali receptus, nonnunquam subextertus et vaginis duabus lateralibus reconditus: pedes mediocres, sub-æquales, pubescentes; coxæ parvæ; tibiæ rectæ, apice spinis armatæ, *mari* nonnunquam dilatatæ; tarsi graciles, articuli 1^o. ad 4^{um}. longitudine decrescentes; 5^{us}. 4^o. longior; ungues et pulvilli parvi: alæ plerumque amplæ, pubescentes, iridescentes; proalæ nervo unico solito, cujus humeralis ulnari longior, radialis sat longa stigmatè terminata; metalæ nervo unico simplici, costæ medium attingente.

Metamorphosin in *Lepidopterorum*, aut rariùs *Muscidum* et *Tenthredinidum*, pupis subeunt; nonnullæ ad *Cleonymum* propinquæ *Coleoptera* lignivora (*Anobium Hylurgum* et *Hylesinum*) diruunt. *Mares* sæpè colore læto abdomineque flavo maculato gaudent; *feminae* obscuriores, abdomine rarissimè maculato. Characteres quibus *Chalciditum* tarsis 5 articulatis familiæ discrepant breviter memorabo. *Spalangiidum* caput planum; *Eurytomidum* corpus gibbosum aut cylindricum; *Chalcididum* et *Leucopsidum* meta-femora incrassata; *Torymidum* et *Perilampidum* nervus cubitalis brevissimus; *Miscogasteridum* abdomen petiolatum; *Ormoceridum* antennæ moniliformes; *Pteromalidum* abdomen sessile et planum; *Cleonymidum* thoracis structura propria; *Eupelmidum* et *Encyrtidum* mesotarsi dilatati; *Aphelinidum* antennæ articulis paucis.

The genus *Pteromalus* was named and characterized by Swederus in the Stockholm Transactions, where fifteen species are described, which, with the exception of two or three, have been since removed to other genera. His first species, *P. puparum*, is very abundant, and has been often described by entomologists: from one to two hundred specimens of it are found in a single chrysalis of the common white or tortoiseshell butterfly (*Pontia Brassicæ* and *Vanessa Urticæ*). It is often difficult to identify the species of this family, for the males and females generally differ entirely in form and colour, and, like the *Ichneumonites*, the latter are either the most numerous

in individuals, or are oftener met with, being constantly engaged in search of chrysalises wherein to deposit their eggs. They comprise by far the greater part of the pentamerous *Chalcidites*. The parts of the mouth do not vary much. Generally the *prothorax* and the *metathorax* are very small, and the sutures between the *parapsides* and the *scutum* of the *mesothorax* indistinct. The first and last divisions depart from this structure; the first resembles many of the *Miscogasteridæ* and *Ormoceridæ*, the last is allied to the *Cleonymidæ*.

The principal divisions are the following:—

- * *Prothorax brevissimus, transversus.*
- † *Mesothoracis parapsides scuto discretæ.*
- †† *Mesothoracis parapsides scuto ferè in unum confusæ.*
 - ‡ *Antennæ 11-articulatæ.*
 - ‡‡ *Antennæ 12-articulatæ.*
 - ‡‡‡ *Antennæ 13-articulatæ.*
- × *Antennæ articulo 3^o. vix conspicuo, 4^o. minimo, 5^o. parvo.*
- ×× *Antennæ articulo 3^o. et 4^o. minimis, 5^o. mediocri.*
- ** *Prothorax productus, anticè angustus.*

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- * *Prothorax brevissimus, transversus.*
 - † *Mesothoracis parapsides scuto discretæ.*
- | | | |
|-----------|-----------------------------------|------------------------------|
| Antennæ { | 13-articulatæ | I. Seladerma. |
| | 12-articulatæ. Thorax punctis ma- | aspersus . . . II. Semiotus. |
| | joribus | non aspersus. III. Systasis. |

GENUS I. SELADERMA,^a *Walker.*

Fem.—Caput mediocre, thorace vix latius: mandibulæ elongato-subquadratæ, paullò arcuatæ, tridentatæ, similes; dens externus et medius acuminati; internus latus, obtusus: maxillæ elongatæ, subarcuatæ, ciliatæ, quæque internè apicem versus in lobum producta; palpi sat longi, 4-articulati, subfiliformes; articulus 1^{us}. mediocris; 2^{us}. paullò longior; 3^{us}. 1^o. æqualis; 4^{us}. 2^o. longior fusiformis: mentum elongato-ovatum, basi emarginatum: labium breve, latum, apice ciliatum; palpi 3-articulati, breves; articulus 1^{us}. mediocris; 2^{us}. brevis; 3^{us}. 1^o. paullò longior crassus acumi-

^a Σέλας splendor, δερμα cutis.

natus: antennæ corporis dimidio æquales aut paullo longiores, subclavatae, pubescentes; articulus 1^{us}. gracilis, filiformis; 2^{us}. mediocris; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes ad 10^{um}. gradatim breviores et latiores; clava ovata, articulis 9^o. et 10^o. paullo longior et latior: thorax ovatus, quasi planè squameus; prothorax minimus, supra vix conspicuus; parapsides convexæ scuto valdè distinctæ, scutellum conicum, paraptera et epimera benè determinata; metathorax mediocris: abdomen ovatum aut elongato-ovatum, ferè læve, subtus angulatum; segmentum 1^{um}. magnum; sequentia breviora, subæqualia: oviductus occultus: femora et tibiæ gracilia: alæ amplæ; nervus cubitalis ferè alæ apicem attingens; stigma ramulum brevissimum, nonnunquam ferè obsoletum emittens.

Sp. 1. Sel. lætum. Fem. *Viride, antennis nigris, pedibus rufis, femoribus fuscis, alis subfuscis.*

Viride, nitens, sparsè pubescens: oculi ocellique rufi: antennæ nigrae, corporis dimidio longiores; articulus 1^{us}. obscure rufus, apice niger: thoracis segmentorum margines nonnunquam æneo-virides: abdomen nonnunquam cyaneo- aut æneo-viride, subtus valde angulatum: pedes obscure rufi; coxæ virides; trochanteres et femora fusca, hæ apice basique rufa; tarsi apice, ungues et pulvilli fusci; protarsi pallidè fusci: alæ subfuscae; squamulae fuscae; nervi nigro-fusci; stigma parvum; metalarum nervi pallidiores. (Corp. long. $1\frac{1}{3}$ — $1\frac{5}{4}$ lin.; alar. $2\frac{1}{2}$ —3 lin.)

Var. β .—Minus: thoracis segmenta nonnulla cyaneo-viridia: abdomen viridi-cyaneum: femora, trochanteres et protarsi rufa, illa supra fusco vittata.—Species distincta.?

July; on grass beneath trees; near London.

Sp. 2. Sel. bicolor. Fem. *Viride, abdomine cupreo, antennis nigris, pedibus rufis, alis subfuscis.*

Viride, nitens, sparsè pubescens: oculi ocellique rufi: antennæ nigrae, corporis dimidio non longiores; articulus 1^{us}. rufus; 2^{us}. obscure fuscus: thoracis segmentorum margines nonnulli æneo-virides: abdomen cupreum, *S. læto* brevius et convexius, subtus valdè angulatum; segmentum 1^{um}. lætè viride, apice cupreum: pedes lætè rufi; coxæ virides; ungues et pulvilli fusci: alæ subfuscae; squamulae et nervi fusca; stigma parvum; metalarum nervi pallidiores. (Corp. long. $1\frac{1}{4}$ — $1\frac{1}{3}$ lin.; alar. $2\frac{1}{2}$ — $2\frac{1}{2}$ lin.)

June, July; on grass beneath trees; near London.

Sp. 3. Sel. convexum. Fem. *Cyaneo-viride, antennis nigris, pedibus fuscis, femoribus viridibus, alis subhyalinis.*

Cyaneo-viride, nitens, sparsè pubescens: caput viride: oculi ocellique rufi: antennæ nigræ, corporis dimidio vix longiores; articulus 1^{us}. viridis: mesothoracis parapsides et scutum anticè purpurea: abdomen cyaneo-viride, subtus valde angulatum, eodem longitudine quod *S. bicolor*; discus æneo-viridis; segmentum 1^{um}. purpureo-cyaneum: pedes fuscii; coxæ et femora viridia, hæ apice basique rufa; tibiæ basi et subtus, metatibiæ ferè totæ, rufæ; meso- et metatarsi rufo-fuscii, apice fuscii: alæ subhyalinæ; squamulæ et nervi fusca; stigma mediocre; metalarum nervi pallidiores. (Corp. long. $1\frac{3}{4}$ lin.; alar. $2\frac{1}{2}$ lin.)

July; on grass beneath trees; near London.

Sp. 4. Sel. breve. Fem. *Aureo-viride, antennis nigris, pedibus rufis, femoribus basi fuscis, alis hyalinis.*

Præcedentibus brevius et latius, lætè aureo-viride, sparsè pubescens: oculi ocellique rufi: antennæ nigræ, corporis dimidio paullò longiores; articulus 1^{us}. viridis: abdomen subtus angulatum: pedes rufi; coxæ virides; femora basi fusca; meso- et metatarsi apice, ungues et pulvilli fuscii: alæ hyalinæ; squamulæ fusca; nervi nigro-fuscii; stigma mediocre; metalarum nervi pallidiores. (Corp. long. $1\frac{1}{4}$ lin.; alar. $2\frac{1}{2}$ lin.)

July; on grass beneath trees; near London.

GENUS II.—SEMIOTUS,^b *Walker.*

Corpus pubescens: caput mediocre, thorace vix latius: mandibulæ subquadratae, ferè rectæ, similes, dentibus 3 parvis acutis armatae; dens internus latus: maxillæ elongatae, subarcuatae quæque internè apicem versus in lobum producta; palpi 4-articulati, breves, ad apices gradatim crassiores; articulus 1^{us}. et 2^{us}. mediocres, subæquales; 3^{us}. paullò longior; 4^{us}. 3^o. paullò longior, elongato-ovatus: mentum breve, conicum: labium parvum, quasi fissum; palpi 3-articulati, brevissimi, filiformes; articuli subæquales: antennæ 12-articulatae, *mari* ferè filiformes corporis dimidio longiores, *fem.* plus minusve clavatae corporis dimidii longitudine aut paullò breviores; articulus 1^{us}. gracilis, filiformis; 2^{us}. brevis; 5^{us}. et sequentes ad 9^{um}. lineares longitudine decrescentes; *mari*

^b σημιωτός, signatus.

clava sublinearis, articulis 8°. et 9°. paullò longior et latior; *fem.* clava elongato-ovata, articulis 8°. et 9°. latior et paullò longior: thorax ovatus, quasi planè squameus, punctis majoribus aspersus: prothorax minimus, supra vix conspicuus: mesothorax magnus; parapsides benè determinatæ, scuto distinctæ; paraptera et epimera parva; scutellum apice subacuminatum: metathorax mediocris: *mari* abdomen elongato-ovatum, ferè læve; segmentum 1^{um}. magnum; sequentia breviora, subæqualia: sexualia exerta, abdominis dimidio nonnunquam vix breviora: *fem.* abdomen ovatum, plus minusve elongatum et acuminatum, subtus angulatum, non compressum: pedes graciles; tibie simplices: alæ mediocres; nervus radialis cubitali paullò longior, humeralis prope apicem ramulum rejiciens brevissimum sed benè determinatum; stigma ramulum brevissimum nonnunquam ferè obsoletum emittens.

Sp. 1. Sem. mundus. Mas et Fem. *Viridis, pedibus rufis, alis hyalinis.*

Mas.—Viridis: caput posticè æneo-viride: oculi ocellique rufi: antennæ nigræ: abdomen viridi-cupreum, basi et utrinque viride: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora basi nigra; tarsi pallidè rufi, apice necnon ungues et pulvilli fusci; protarsi pallidè fusci: alæ hyalinæ; squamulæ et nervi pallidè fusca: stigma minimum; metalarum nervi flavi.

Fem.—Antennæ clavatæ, corporis dimidii longitudine; articulus 1^{us}. flavus, apice et supra nigro-fuscus: abdomen nigro-viride, elongato-ovatum, basi cupreo-viride nitentius, subtus angulatum æneum, apice paullò attenuatum: pedes pallidè rufi; coxæ virides; meso- et metatarsi flavi; ungues et pulvilli fusci. (Corp. long. $1\frac{1}{4}$ — $1\frac{1}{2}$ lin.; alar. $1\frac{5}{4}$ —2 lin.)

July; on grass beneath trees; near London.

Sp. 2. Sem. clarus. Mas et Fem. *Præcedenti minor, fem. abdomine longiore, alarum nervis obscurioribus.*

Mas.—Viridis: oculi ocellique rufi: antennæ nigræ: abdomen cupreum; latera et apex viridia: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora basi nigra; meso- et metatarsi flavi; ungues et pulvilli fusci: alæ hyalinæ; nervi et squamulæ fusca; stigma parvum; metalarum nervi pallidi.

Fem.—Antennæ clavatæ, corporis dimidio breviores: abdomen cyaneo-viride, elongato-ovatum, subtus angulatum, apice attenuatum:

femora basi et coxæ viridia; meso- et metatarsi apice fuscî.
(Corp. long. $1-1\frac{1}{2}$ lin.; alar. $1\frac{1}{2}-1\frac{3}{4}$ lin.)

Var. β.—*Mas*, æneo-viridis.

Var. γ.—*Mas*, meso- et metafemora nigra, apice rufa; meso- et metatibiæ apice pallidè fuscae.

June and August; on grass beneath trees; near London.

Sp. 3. Sem. tarsalis. *Mas* et *Fem.* *Viridis, pedibus fuscis, tarsis pallidis, alis hyalinis.*

Mas.—*Viridis*: oculi ocellique rufi: antennæ nigrae: abdomen cupreum, basi apice et utrinque viride: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora basi nigra; metafemora ferè omnino nigra; metatibiæ fuscae, basi rufæ; tarsi straminei, apice necnon ungues et pulvilli fuscî; protarsi pallidè fuscî: alæ hyalinae; squamulae et nervi fuscae; stigma parvum; metalarum nervi pallidiores.

Fem.—Antennæ subclavatae, corporis dimidio vix longiores: abdomen viridi-cupreum, elongato-ovatum, apice paullò acuminatum: femora, meso- et metatibiæ rufa, fusco cingulata; meso- et metatarsi flavi, apice fuscî. (Corp. long. $\frac{1}{2}-1$ lin.; alar. $1-1\frac{5}{4}$ lin.)

Var. β.—*Mas*, mesothoracis scutum viridi-æneum.

Var. γ.—*Mas*, pro- et mesotibiæ pallidè fuscae; metatibiæ obscuriores.

Var. δ.—*Mas*, femora omnia nigra, apice rufa; meso- et metatibiæ fuscae.

Var. ε.—*Mas*, metafemora omninò nigra; tibiæ nigro-fuscae; protibiæ fuscae; meso- et metatarsi flavi, apice fuscî.

Var. ζ.—*Mas*, protarsi rufi; meso- et metatarsi flavi.

Var. η.—*Mas*, abdomen purpureo-cupreum: tibiæ nigrae; protibiæ rufæ, fusco cingulatae.

Var. θ.—*Mas*, meso- et metatarsi pallidè fuscî.

July; on grass beneath trees; near London. June; Windsor Forest.

Sp. 4. Sem. Scoticus. *Fem.* *Æneo-viridis, pedibus rufis, alis subhyalinis.*

Æneo-viridis: caput obscurè viride: oculi ocellique rufi: antennæ nigrae; clava articulo 9°. multò latior: thoracis puncta majora vix conspicua: abdomen viride elongato-ovatum, basi æneo-viride

nitentius, subtus angulatum æneum, apice non attenuatum: pedes rufi; coxæ virides; femora fusco cingulata; ungues et pulvilli fusci: alæ subhyalinae; nervi et squamulæ pallidè fusca; stigma minimum; metalarum nervi pallidiores. (Corp. long. $1\frac{1}{2}$ lin.; alar. 2 lin.)

New Lanark, Scotland.

Sp. 5. Sem. varians. Mas et Fem. *Viridis, præcedenti brevior, pedibus fuscorufis, alis subfuscis.*

Mas.—Obscurè viridis: oculi ocellique rufi: antennæ nigræ: abdomen nigro-cupreum, basi et utrinque viride: sexualia nigra, apice fusca: pedes fusci; coxæ virides; trochanteres, femora apice, tibiæ basi tarsique flava; tarsi basi et apice, ungues et pulvilli fusci: alæ subfusca; squamulæ et nervi fusca; stigma parvum; metalarum nervi pallidè fusci.

Fem.—Viridis: antennæ clavatae: abdomen nigro-viride, elongato-ovatum, basi æneo-viride, subtus angulatum æneum, apice vix attenuatum: pedes pallidè rufi; coxæ virides; femora basi viridia; meso- et metatarsi flavi; ungues et pulvilli fusci. (Corp. long. $\frac{5}{4}$ — $1\frac{1}{4}$ lin.; alar. $1\frac{1}{3}$ —2 lin.)

Var. β.—*Mas*, meso- et metatarsi basi flavi.

Var. γ.—*Mas*, femora nigro-fusca, apice flava; tarsi flavi, apice fusci.

Var. δ.—*Mas*, protibiæ rufæ; tarsi flavi, apice fusci; protarsi pallidè fusci.

Var. ε.—*Fem.* abdomen omninò æneo-viride.

Var. ζ.—*Fem.* protarsi fusci.

Var. η.—*Fem.* thorax viridi-æneus: tarsi omnes pallidè rufi.

Var. θ.—*Fem.* abdomen cupreum, viridi marginatum: antennæ articulo 1^o. basi rufo.

June; on grass beneath trees; near London. July; near Clermont, Auvergne.

Sp. 6. Sem. præstans. Mas et Fem. *Æneo-viridis, pedibus rufis aut flavis, alis subfuscis, S. Scotico clava angustiore S. variante alis latioribus discrepans.*

Mas.—Viridis: oculi ocellique rufi: antennæ nigræ: caput posticè et mesothoracis scutum anticè æneo-viridia: abdomen cupreum, basi et utrinque viride: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora basi nigra; meso- et metatibiæ et protarsi

- pallidè fusca; ungues et pulvilli fusci: alæ subfuscæ; nervi et squamulæ nigro-fusca; stigma parvum; metalarum nervi pallidi.
- Fem.*—Antennæ clavatæ: abdomen viride, ovatum, basi æneo-viride nitentius, subtus paullò angulatum, apice acuminatum sed vix attenuatum: femora basi viridia; tibiæ et protarsi rufa; meso- et metatarsi flavi: pro-alarum nervi fusci. (Corp. long. 1—1½ lin.; alar. 1½—2 lin.)
- Var. β.*—*Mas*, viridis: abdomen cupreum, basi æneo-viride: tibiæ omnes et protarsi rufa; meso- et metatarsi flavi.
- Var. γ.*—*Mas*, femora et protarsi fusca, illa apice flava.
- Var. δ.*—*Mas*, *Var. β.* similis: abdomen æneum, basi viride nitentius: meso- et metatarsi apice fusci.
- Var. ε.*—*Mas*, abdominis discus obscurè cupreus: pedes flavi; coxæ virides; femora basi nigra; meso- et metatarsi straminei, apice necnon ungues pulvilli et protarsi omninò fusci.
- July; on grass beneath trees; near London. June; New Forest, Hampshire.

Sp. 7. Sem. diversus. *Mas* et *Fem.* *Viridis, pedibus rufis, alis fuscis*, S. variante et præstante fem. *abdomine longiore et angustiore discrepans.*

- Mas.*—Viridis: oculi ocellique rufi: antennæ nigrae, graciles: abdomen basi nitentius: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora basi fusca; meso- et metatarsi apice, ungues et pulvilli fusci: alæ fuscæ; squamulæ et nervi obscuriora; stigma parvum; metalarum nervi pallidi.
- Fem.*—Antennæ clavatæ, corporis dimidio breviores: abdomen æneo-viride, elongato-ovatum, angustum, subtus paullò angulatum, apice acuminatum et attenuatum: oviductus rufus: pedes rufi; coxæ et femora basi viridia; meso- et metatarsi pallidè rufi; ungues et pulvilli fusci. (Corp. long. 1—1⅔ lin.; alar. 1¼—1½ lin.)
- Var. β.*—*Mas*, femora basi nigra; protarsi pallidè fusci.
- Var. γ.*—*Fem.* antennæ articulo 1º. rufo: femora omninò rufa.
- Var. δ.*—*Fem.* æneo-viridis: antennæ articulo 1º. fusco: abdomen æneum.
- Var. ε.*—*Fem.* *Var. δ.* similis, viridis: mesothoracis scutellum et metathorax viridi-ænea: abdomen æneo-viride.
- Var. ζ.*—*Fem.* *Var. ε.* similis: abdomen obscurè viride, basi æneo-viride nitentius: tarsi apice fusci.
- June; on grass beneath trees; near London.—Jersey.

Sp. 8. Sem. quadratus. Mas et Fem. *Viridis, pedibus rufis, alis fuscis, specibus 4 præcedentibus alis angustioribus discrepans.*

Mas.—Viridis: oculi ocellique rufi: antennæ nigræ: abdomen cupreum, basi viride: sexualia nigra, apice fusca: pedes rufi; coxæ virides; femora nigra, apice rufa; profemora rufa, basi nigra; protarsi pallidè fusci; ungues et pulvilli fusci: alæ fuscæ, breves, angustæ; squamulæ et nervi obscuriora; stigma parvum; metalarum nervi pallidi.

Fem.—Antennæ clavatæ, corporis dimidii longitudine; articulus 1^{us}. rufus, apice fuscus: metathorax viridi-æneus: abdomen æneo-viride, ovatum, basi nitentius, subtus angulatum, apice acuminatum non attenuatum: femora et protarsi omninò rufa. (Corp. long. $\frac{5}{4}$ — $1\frac{1}{4}$ lin.; alar. 1 — $1\frac{1}{2}$ lin.)

Var. β.—*Mas*, meso- et metatibiæ supra pallidè fuscæ.

Var. γ.—*Fem.* antennæ articulo 1^o. nigro, basi fusco: abdomen viride, basi æneo-viride nitentius: femora basi viridia.

Var. δ.—*Fem.* caput et thorax æneo-viridia; antennæ articulo 1^o. nigro.

Var. ε.—*Fem.* caput et thorax cupreo nitentia: antennæ articulo 1^o. nigro, basi fusco: abdomen apice æneum: meso- et metatibiæ rufo-fuscæ.

Var. ζ.—*Fem.* abdomen cupreum, basi æneo-viride nitentius.

Var. η.—*Fem.* thoracis latera et abdomen viridi-ænea.

Var. θ.—*Fem.* viridis: antennæ totæ nigræ, femora basi viridia.

June; on grass beneath trees; near London.

Sp. 9. Sem. mærens. Mas. *Obscurè viridis, pedibus flavis, alis griseis.*

Obscurè viridis, longus, sublinearis: oculi ocellique rufi: antennæ nigræ: sexualia nigra, apice fusca: pedes flavi; coxæ virides; femora basi fusca; ungues et pulvilli fusci: alæ griseæ; squamulæ et nervi obscurè fusca; stigma parvum; metalarum nervi pallidi. (Corp. long. 1 — $1\frac{1}{2}$ lin.; alar. $1\frac{1}{2}$ — $1\frac{3}{4}$ lin.)

Var. β.—Æneo-viridis: femora nigra, apice flava; tibiæ pallidè fuscæ.

Var. γ.—Femora nigra; tibiæ fuscæ, basi flavæ; tarsi apice fusci.

Var. δ.—Tibiæ nigro-fuscæ; protibiæ et protarsi pallidè fusca.

Var. ε.—Pedes rufi; femora basi et coxæ viridia; meso- et meta-

tibiæ nigro-fuscæ, basi rufæ; meso- et metatarsi pallidè flavi, apice rufi.

June; on grass; Windsor Forest, New Forest. September; near Linton, North Devon.

GENUS III. SYSTASIS,^c *Walker*.

Corpus crassum, breve: caput mediocre, thoracis latitudine: mandibulæ breves, subquadratae, similes, dentibus 3 vix acutis armatae; dens externus et medius parvi, internus minimus: maxillæ elongatae, subarcuatae, quæque internè apicem versus in lobum producta; palpi 4-articulati, breves, ad apices gradatim crassiores; articulus 1^{us}. mediocris; 2^{us}. paullò longior; 3^{us}. 1^o. æqualis; 4^{us}. 2^o. paullò longior elongato-ovatus: mentum conicum: labium parvum, quasi fissum; palpi 3-articulati, brevissimi, crassi, subfiliformes; articuli subæquales, 3^{us}. acuminatus: antennæ 12-articulatae, *mari* subfiliformes, *fem.* clavatae crassiores, corporis dimidio vix longiores; articulus 1^{us}. linearis, longitudine triens; 2^{us}. mediocris; 5^{us}. et sequentes ad 9^{um}. subæquales; clava elongato-ovata, articulis 8^o. et 9^o. longior et *fem.* latior: thorax convexus, brevis, ovatus: pro- et metathorax minimi, supra vix conspicui: mesothoracis scutum, scutellum, parapsides et paraptera benè determinata: abdomen breve, ovatum aut ferè rotundum, supra planum, *fem.* subtus carinatum et angulatum, *mari* angustius, apice vix acuminatum; segmentum 1^{um}. magnum; sequentia breviora, sub-æqualia: oviductus non exertus: pedes graciles, simplices: alæ latae, sat longæ; nervus humeralis ulnari longior ramulum rejiciens nullum, cubitalis radialis vix brevior stigmatate rotundo terminatus: metalæ nervo unico simplici solito.

Sp 1. Syst. encyrtoides. Mas et Fem. *Viridis, antennis nigris, pedibus viridibus, tarsis flavis aut fuscis, alis hyalinis, nervo humerali ramulum rejiciente nullum.*

Mas.—Lætè viridis, nitens, quasi minutè squameus: oculi ocellique rufi: antennæ nigræ; articulus 1^{us}. viridis: abdomen ferè læve, basi æneo-viride nitentius: pedes virides; trochanteres nigro-fusci; genua rufa; tarsi flavi, apice fusci; articulus 5^{us}., ungues et pulvilli nigro-fusci; protarsi fusci: alæ hyalinæ; nervi et squamulæ nigro-fusca; stigma parvum; metalarum nervi pallidi.

Fem.—Mesothoracis scutellum cupreo-vittatum: abdomen basi

^c *συστασις, coherentia.*

cupreo-viride; segmenta basi ænea: tarsi flavi; protarsi rufi; omnium articulus 5^{us}. nigro-fuscus. (Corp. long. $\frac{3}{4}$ — $1\frac{1}{4}$ lin.; alar. $1\frac{1}{2}$ —2 lin.)

Var. β.—*Fem.* scutelli vitta vix conspicua: abdomen basi æneo-
viride: protarsi fusci.

Var. γ.—*Fem.* thorax cupreo-*viridis*; segmentorum margines
cuprei: tarsi omnes fusci; metatarsi articulo 1^o. basi flavo.

Var. δ.—*Fem.* thorax omninò *viridis*: abdomen cyaneo-*viride*, basi
viride: profemora apice et protibiæ rufa, hæ supra fusco vittatæ.

Var. ε.—*Fem.* abdomen cupreum, utrinque et subtus *viride*: protarsi
fusci.

Var. ζ.—*Fem.* *viridi-cyaneus*: caput *viride*: abdominis discus
cupreus: genua et tarsi omnes flava, hi apice fusci.

Var. η.—*Fem.* *Var. ζ.* similis: protibiæ et protarsi fusca: alarum
nervi pallidè fusci.

August; on grass beneath trees; near London. Sep-
tember; Isle of White.

Sp. 2. Syst. tenuicornis. Mas et Fem. *Viridis, præcedenti
angustior, antennis nigris, pedibus fuscis aut viridibus,
alis griseis, nervo humerali ramulum rejiciente brevis-
simum.*

Mas.—Obscurè *viridis*, quasi minutè squameus: oculi ocellique
rufi: antennæ nigre; articulus 1^{us}. *viridis*: abdomen obscurè
æneo-*viride*, angustum, ferè læve: sexualia nigra: pedes nigro-
fusci: coxæ et femora *viridia*; protibiæ et protarsi fusca; meso-
et metatarsi pallidè fusci, apice obscuriores, subtus flavi: alæ
griseæ; squamulæ et nervi fusca; stigma parvum; metalarum
nervi pallidi.

Fem.—Abdomen obscurè *viride*, ovatum; discus cupreo-*viridis*:
pedes *virides*; trochanteres nigri; tarsi flavi, apice fusci; pro-
tarsi, ungues et pulvilli fusci. (Corp. long. $\frac{3}{4}$ —1 lin.; alar.
 $1\frac{1}{2}$ — $1\frac{3}{4}$ lin.)

June; on grass; Windsor Forest.

†† *Mesothoracis parapsides scuto ferè in unum confusæ.*

‡ *Antennæ 11-articulatæ.*

GENUS IV. EUNOTUS,^d Walker.

Mas.—Corpus convexum, crassum, latum, contractum, quasi squa-
meum, vix pubescens: caput maximum, thorace latius, breve:

^d εδ̄ ηεν̄ε, ν̄ω̄τος dorsum.

antennæ 11-articulatæ, clavatæ, thorace breviores ; articulus 1^{us}. linearis, gracilis ; 2^{us}. mediocris ; 3^{us}. et 4^{us}. vix conspicui ; 5^{us}. et sequentes ad 8^{um}. gradatim longiores et latiores ; clava articulis 8^o. et 9^o. multò longior et latior, apice quasi truncata : thorax ferè quadratus : prothorax parvus, brevissimus : mesothoracis parapsidum suturæ vix conspicuæ ; paraptera et epimera benè determinata ; scutellum ferè rotundum, posticè subproductum et abdominis basin attingens : metathorax supra vix conspicuus : abdomen ferè quadratum, paullò longius quàm latum, quasi subtilissimè squameum ; segmentum 1^{um}. maximum, reliqua omninò obtegens et ultra abdominis apicem productum : pedes simplices, graciles, breves : alæ breves, angustæ : nervus alà dimidio brevior ; humeralis longus ; ulnaris brevis ; cubitalis radiali longior et angulum plerisque hujus familiæ acutiorem fingens.

Sp. 1. Eun. cretaceus. Mas. *Nigro-viridis, antennis fulvo-fuscis, pedibus fuscis, alis subfuscis.*

Nigro-viridis, obscurus : oculi ocellique rufo-fusci : antennæ fulvo-fuscae ; articulus 2^{us}. obscurè fuscus : abdomen quasi subtilissimè squameum, basi læve : pedes nigro-fusci ; coxæ virides ; tibiæ pallidè fuscae ; genua tarsique flava, horum articulus 5^{us}. ungues et pulvilli fusci : alæ subfuscae ; squamulæ et nervi fusca ; stigma minimum. (Corp. long. $\frac{1}{2}$ lin. ; alar. $\frac{3}{4}$ lin.)

Fem.—Aptera.

June and September ; on chalk cliffs in the Isle of Wight. I found one specimen of the female in the same situation, but have since lost it.

‡‡ *Antennæ 12-articulatæ.*

Clava	{	mediocris. Thorax apice	{	latus	V. MERAPORUS.
				angustus	VI. METASTENUS.
		maxima			VII. METOPON.

GENUS V.—MERAPORUS,^e *Walker.*

Corpus breve, vix pubescens : *maris* caput magnum thorace latius, *fem.* thorace vix latius : mandibulæ 4-dentatæ, subquadratæ, ferè rectæ, intùs indentatæ, similes ; dentes obtusi, parvi, subæquales : maxillæ elongatæ, subarcuatæ, apice angustæ, acuminatæ ; palpi 4-articulati, mediocres, filiformes ; articulus 2^{us}. 1^o. paullò longior ;

^e μέρος pars, ἄπορος egenus.

3^{us}. 1^o. brevior; 4^{us}. linearis, 2^o. et 3^o. longior, apice acuminatus: mentum elongato-ovatum, posticè angustius: labium parvum, rotundatum, integrum, anticè ciliatum; palpi 3-articulati, breves, crassi; articulus 2^{us}. brevissimus; 3^{us}. acuminatus: antennæ corporis dimidii longitudine, clavatæ; articulus 1^{us}. gracilis, linearis; 2^{us}. elongato-cyathiformis, mediocris; 5^{us}. et sequentes ad 9^{um}. gradatim latiores; clava ovata aut elongato-ovata, plana, articulis 8^o. et 9^o. latior et paullo longior: thorax ovatus, abdomine longior: prothorax et metathorax parvi, ille brevis: mesothoracis parapsides scuto in unum confusæ; paraptera et epimera benè determinata: *maris* abdomen brevissimum, rotundum; segmentum 1^{um}. maximum, ejus ferè dimidium occupans; reliqua brevissima: *fem.* abdomen ovatum, thorace vix brevius, subtus paullo carinatum, apice acuminatum et sparsè pilosum; segmentum 1^{um}. magnum; sequentia breviora, subæqualia: pedes simplices, graciles: alæ brevissimæ aut mediocres; nervus humeralis ulnari multò longior, ramulum rejiciens nullum; cubitalis radiali paullo brevior; stigmatis ramulus ferè obsoletus.

Sp. 1. Mer. graminicola. Mas et Fem. *Viridi-æneus, antennis aut flavis aut fuscis* (mas) *aut nigris* (fem.), *pedibus flavis aut fuscis, alis vix ullis.*

Mas.—Viridis, quasi subtilè squameus: oculi ocellique rufi: antennæ flavæ; articulus 2^{us}. pallidè fuscus; clava ovata: mesothoracis scutellum æneo-viride: abdomen viridi-æneum, subtilissimè squameum, glabrum, basi viride: pedes flavi; coxæ virides; tarsi pallidè flavi; articulus 5^{us}., unguis et pulvilli fuscii: alæ hyalinæ, brevissimæ, volatu ineptæ.

Fem.—Obscurè viridis: antennæ nigræ; articulus 1^{us}. pallidè rufus: abdomen viridi-æneum, apice sparsè pilosum: pedes pallidè rufi; coxæ æneæ; meso- et metatarsi flavi, apice necnon unguis et pulvilli fuscii. (Corp. long. $\frac{1}{3}$ — $\frac{2}{3}$ lin.)

Var. β.—*Mas*, antennæ articulis 3^o. 4^o. et 5^o. pallidè fuscis: thorax et abdomen omninò viridi-ænea.

Var. γ.—*Mas*, antennæ articulis 3^o. et 4^o. pallidè fuscis.

Var. δ.—*Mas*, antennæ articulo 1^o. fusco.

Var. ε.—*Mas*, æneus: caput æneo-viride: antennæ rufo-fuscæ; articuli 1^o. ad 5^{um}, fuscii: metathorax viridis: femora fusca.

Var. ζ.—*Mas*, viridi-æneus: caput, thorax anticè et abdomen basi viridia: antennæ fusca; clava rufa: femora fusca.

Var. η.—*Mas*, omninò æneus.

- Var. θ.*—*Mas*, caput et thorax viridia : abdomen æneo-viride, basi viride : protarsi omninò pallidè flavi.
- Var. ι.*—*Mas*, caput viride : thorax viridi-æneus : abdomen cupreo-æneum.
- Var. κ.*—*Mas*, æneus : protarsi articulo 5^o. pallidè fuscus.
- Var. λ.*—*Mas*, æneus : femora pallidè fusca.
- Var. μ.*—*Mas*, æneo-viridis : abdomen cupreo-æneum, basi viride : femora pallidè fusca.
- Var. ν.*—*Mas*, æneo-viridis : antennæ fuscæ ; articulus 1^{us}. flavus, apice fuscus ; 2^{us}. nigro-fuscus : abdomen cupreo-æneum, basi æneo-viride.
- Var. ξ.*—*Mas*, antennæ articulis 1^o. et 2^o. fuscis : femora fusca, apice flava.
- Var. ο.*—*Fem.* caput et thorax æneo-viridia : abdomen cupreo-æneum : femora basi fusca.
- Var. π.*—*Fem.* antennæ articulo 1^o. apice fuscus.
- Var. ρ.*—*Fem.* femora viridia ; tibiæ pallidè fuscæ.
- Var. σ.*—*Fem.* femora et tibiæ pallidè fusca.
- Var. τ.*—*Fem.* obscurè æneus : abdomen basi cupreum.
- Var. υ.*—*Fem.* obscurè viridis : antennæ articulo 1^o. fuscus : abdomen basi æneo-viridi et nitentius : femora et tibiæ supra pallidè fusca.
- Var. φ.*—*Fem.* æneus : caput viride : femora et tibiæ pallidè fusca.
- Var. χ.*—*Fem.* æneus : antennæ articulo 1^o. obscurè fuscus.
- Var. ψ.*—*Fem.* viridis : mesothoracis scutellum et abdomen apice ænea.
- Var. ω.*—*Fem.* antennæ nigro-fuscæ.
- Var. αα.*—*Fem.* æneo-viridis : thorax æneus.
- Var. ββ.*—*Fem.* omninò viridis : antennæ articulo 1^o. nigro-fuscus.

August and September ; on grass in fields near London. September ; Isle of Wight, Westmoreland and Cumberland ; New Lanark, Scotland.

Sp. 2. Mer. alatus. *Mas. Æneo-viridis, antennis pedibusque flavis, alis subflavescentibus.*

Viridis, parùm nitens : oculi ocellique rufi : antennæ flavæ ; articulus 2^{us}. pallidè fuscus ; clava elongato-ovata : mesothoracis scutellum, paraptera et epimera viridi-ænea : abdomen æneo-viride, nitens, glabrum, basi lætè viride ; sexualia flava : pedes flavi ; coxæ virides ; tarsi apice, ungues et pulvilli fuscis ; meso- et metarsi pallidè flavi : alæ hyalinæ, amplæ, paullò flavescentes ; squamulæ et nervi fulvæ ; stigma parvum. (Corp. long. $\frac{1}{2}$ — $\frac{2}{3}$ lin. ; alar. $\frac{2}{3}$ — $\frac{3}{4}$ lin.)

Var. β.—Abdomen viridi-cupreum, basi lætè viride.

Var. γ.—Æneo-viridis: antennæ articulis 1^o. ad 4^{um}. fuscis: abdomen basi et metathorax viridia.

Var. δ.—Antennæ fulvæ; articulus 2^{us}. obscurior.

Var. ε.—Viridi-æneus: antennæ omninò flavæ: abdomen basi viride.

Var. ζ.—Viridi-æneus: abdomen basi et metathorax viridia.

Var. η.—Abdomen basi cyaneo-viride.

Var. θ.—Antennæ omninò flavæ: abdomen cupreum, basi apiceque viride.

Var. ι.—Caput et thorax obscure viridia: antennæ articulis 1^o. ad 4^{um}. fuscis.

Var. κ.—Æneo-viridis: abdomen viridi-æneum, basi viride.

Var. λ.—Lætè viridis: abdomen viridi-æneum, basi viride.

Var. μ.—*Var. præcedenti similis: antennæ articulis 1^o. ad 4^{um}. fuscis.*

July to September; on grass in fields; near London.

Sp. 3. Mer. exiguus. Mas. *Viridis, præcedenti multò gracilior, antennis fuscis, pedibus fulvis, alis subfulvescentibus.*

Viridis: oculi ocellique rufi: antennæ fuscæ; articulus 1^{us}. basi 2^{us}que apice flavi: pedes fulvi; coxæ virides; femora tibisæque apice et protibiæ omninò flava; tarsi apice, ungues et pulvilli fuscis: alæ subfulvæ, amplæ; squamulæ et nervi obscuriora; stigma parvum. (Corp. long. $\frac{1}{2}$ lin.; alar. $\frac{2}{3}$ lin.)

October; on grass in fields; near London.

GENUS VI.—METASTENUS,^f Walker.

Fem.—Corpus sparse pubescens: caput thorace paulò latius: mandibulæ 4 dentatæ, arcuatæ, similes, basi angustæ; dentes acuminati; externus et 2^{us}. magni, discreti; 3^{us}. et internus parvi, basi connecti: maxillæ elongatæ, subarcuatæ, acuminatæ, apice angustæ; palpi 4-articulati, filiformes; articulus 1^{us}. et 3^{us}. subæquales; 2^{us}. paulò longior; 4^{us}. 2ⁱ. longitudine, apice acuminatus: mentum ovatum: labium minutum, breve, quasi fissum; palpi 3-articulati, breves, crassi; articulus 2^{us}. brevissimus; 3^{us}. 1ⁱ. longitudine, apice acuminatus: antennæ 12-articulatæ, subfusiformes, corporis dimidio breviores; articulus 1^{us}. linearis,

^f μετά post, στενός angustus.

gracilis; 3^{us}. et 4^{us}. vix discernendi: 5^{us}. et sequentes ad 9^{um}. lati approximati, subæquales; clava conica, acuminata, articulis 8^o. et 9^o. vix longior: thorax brevis, paullò longior quàm latus; prothorax brevissimus; mesothoracis parapsidum suturæ indistinctæ, paraptera et epimera magna, scutellum ferè conicum: metathorax apice angustus: abdomen ovatum, thorace paullò longius, subtus convexum, basi abruptè angustius, apicem versus gradatim acuminatum; segmentum 1^{um}. magnum, ejus ferè trientem occupans; reliqua breviora, subæqualia: oviductus apicem non transiens: pedes graciles, simplices: alæ mediocres; nervus cubitalis longus, radialis ferè alæ apicem attingens; stigma ramulum brevissimum vix conspicuum emittens.

Sp. I. Met. concinnus. Mas. *Cyaneus, antennis fuscis, pedibus fulvis, alis hyalinis.*

Cyaneus, obscurus: oculi ocellique rufi: antennæ pallidè fuscæ, basi obscuriores, subtus flavæ: abdomen cupreo-cyaneum, nitens, glabrum, basi viride, apice sparsè pilosum: pedes fulvi; coxæ cyanæ; femora et tibiæ apice tarsique flava; horum articulus 5^{us}., ungues et pulvilli fusci; protarsi articulo 1^o. fulvo: alæ hyalinæ; squamulæ et nervi fulva; stigma parvum. (Corp. long. $\frac{3}{4}$ lin.; alar. 1 lin.)

Var. β .—Antennæ omninò fuscæ.

August; on grass in fields: near London.

GENUS VII.—METOPON,^g Walker.

Fem.—Sparsè pubescens, quasi minutè squameum: caput maximum, thorace multò latius: antennæ 12-articulatæ, clavatæ, corporis dimidio longiores, apices versus crassissimæ; articulus 1^{us}. gracilis, linearis; 2^{us}. brevis; 5^{us}. et sequentes ad 9^{um}. longitudine subæquales, latitudine crescentes; clava maxima, elongato-ovata, apice acuminata, articulis 8^o. et 9^o. multò latior et longior: thorax brevis, ferè rotundus: prothorax minimus, supra vix conspicuus: mesothorax magnus; parapsides scuto in unum confusæ; paraptera et epimera benè determinata; scutellum convexum, ferè rotundum: metathorax mediocris: abdomen parvum, angustum, compressum, læve, thorace vix longius, supra planum lateribus elevatis, subtus carinatum; segmenta subæqualia: pedes graciles, simplices: alæ mediocres; nervus

^g μέτωπον frons.

humeralis ramulum rejiciens nullum; cubitalis radiali paullo brevior, stigmatè rotundato terminatus.

Sp. 1. Meto. atrum. Fem. *Atrum, pedibus rufo-fuscis, antennis femoribusque nigris, alis fuscis.*

Atrum, obscurum: oculi ocellique rufo-fusci: antennæ nigrae; articuli 1^{us}, 3^{us}, et 4^{us}. rufi; 2^{us}. fuscus: abdomen æneo-atrum, nitens, ferè glabrum: pedes rufo-fusci; coxæ et femora nigra; tarsi flavi, apice fusci: alæ fuscæ; squamulæ et nervi obscuriora; stigma parvum; metalarum nervi pallidi. (Corp. long. $\frac{5}{4}$ lin.; alar. $1\frac{1}{4}$ lin.)

August; on grass beneath trees; near London.

††† Antennæ 13-articulatæ.

† Antennæ articulo 3^o. sæpè vix conspicuo. 4^o. 5^o. que minimis.

Thorax supra } ferè planus. Corpus angustum, sublineare VIII. PLATYTERMA.
 } convexus. Corpus breve, latum IX. AMBLYMERUS.

GENUS VIII.—PLATYTERMA,^h Walker.

Corpus angustum, quasi squameum, plerumque sublineare: caput mediocre, thorace vix latius: mandibulæ 4-dentatæ, parvæ, rectæ, similes, intùs breves et emarginatæ; dens externus mediocris, subacutus; reliqui parvi, ferè obtusi: maxillæ elongatæ, subarcuatæ, angustæ, basi latæ, apice acuminatæ; palpi 4-articulati, filiformes; articuli, 1^{us}, 2^{us}, et 3^{us}. subæquales; 4^{us}. longior, apice acuminatus: mentum elongato-ovatum: labium parvum, quasi fissum; palpi 3-articulati, breves; articulus 2^{us}. parvus; 3^{us}. acuminatus: antennæ 13-articulatæ, clavatæ, latæ, corporis dimidio breviores; articulus 1^{us}. sublinearis, gracilis; 3^{us}. vix conspicuus; 4^{us}. et 5^{us}. minimi; 6^{us}. et sequentes ad 10^{um}. magnitudine crescentes, valdè approximati; clava brevi-ovata, depressa, non acuminata, articulo 10^o. multò latior: thorax elongato-ovatus aut sublinearis, supra ferè planus: prothorax brevissimus: mesothoracis parapsides scuto ferè in unum confusæ: metathorax parvus, posticè vix angustius: *maris* abdomen sublineare, thorace paullo brevius et angustius; segmentum 1^{um}. longum; sequentia paullo breviora, subæqualia: *fem.* abdomen ovatum aut sublineare nonnunquam subcompressum, apice acumi-

^h πλωτὸς latus, τερμα finis.

natum, subtus plus minusve angulatum; segmenta subæqualia: pedes graciles, simplices: alæ mediocres; nervus radialis cubitali paullò longior; stigma ramulum brevissimum emittens.

Sp. 1. Plat. nobile. Fem. *Viride, antennis fulvis, pedibus flavis, alis hyalinis.*

Lætè viride, sparsè pubescens: os flavum: oculi ocellique rufi: antennæ fulvæ, corporis triente vix longiores, supra pallidè fuscæ, basi obscuriores: thorax elongato-ovatus; mesothorax posticè viridi-cyaneus: abdomen elongato-ovatum, micans, ferè læve, thorace paullò longius, sparsè albo pilosum, subtus angulatum, apice acuminatum; discus cupreus: pedes lætè flavi; coxæ virides; mesofemora subtus prope apices setâ nigrâ armata; protibiæ et protarsi fulvæ; meso- et metatarsi apice, ungues et pulvilli fusci: alæ hyalinæ, albæ; squamulæ et nervi flava, hi ante costam attingunt obscuriores; stigma minutum. (Corp. long. $1\frac{1}{4}$ — $1\frac{1}{3}$ lin.; alar. $1\frac{2}{3}$ — $1\frac{3}{4}$ lin.)

Var. β.—Abdominis discus cyaneo-viridis; segmenta apice obscurè cuprea: meso- et metafemora basi fulva.

Var. γ.—Thorax omninò viridis: abdomen viride, basi apice et subtus cyaneo-viride; discus cupreus: meso- et metafemora basi fulva.

September; on grass in fields; near London. Isle of Wight.

Sp. 2. Plat. laticorne. Fem. *Præcedentis colore, antennis brevioribus et latioribus.*

Viridè, sparsè pubescens: oculi ocellique rufi: antennæ fulvæ, corporis triente paullò breviores; supra pallidè fuscæ: thorax elongato-ovatus: abdomen thorace longius, sublineare, ferè læve, sparsè albo pilosum, subtus angulatum, apice acuminatum pilosius et paullò attenuatum; segmentum 1^{um}., 2^{um}., et 3^{um}. apice cuprea; apicale æneum: pedes fulvi; coxæ virides; femora basi fusca, apice flava; meso- et metatibiæ basi flavo cingulatæ; meso- et metatarsi pallidè fulvi, apice fusci; ungues et pulvilli fusci: alæ hyalinæ, albæ; nervi et squamulæ fulvæ, illi apice pallidiores; stigma minutum; metalarum nervi pallidè flavi. (Corp. long. $1\frac{1}{2}$ lin.; alar. $1\frac{3}{4}$ lin.)

August; on grass in fields; near London.

Sp. 3. Plat. teliforme. Mas et Fem. *Præcedentium colore, gracilius, abdomine longiore.*

Mas.—Lætè viride, sparsè pubescens: os flavum: oculi ocellique rufi: antennæ fulvæ, corporis dimidii longitudine; articuli 2^o. basi fusco ad 6^{um}. supra fusco-fulvi: thorax sublinearis: abdomen sublineare, ferè læve, thorace paullò brevius et angustius; discus cupreus: sexualia pallidè fusca: pedes lætè flavi; coxæ virides; protibiæ et protarsi fulva; meso- et metatarsi apice, ungues et pulvilli fusci: alæ hyalinæ, albæ; squamulæ et nervi straminea; stigma parvum.

Fem.—Antennæ paullò graciliores, corporis trientis longitudine; articuli 2^o. ad 10^{um}. supra pallidè fusci: abdomen cyaneo-viride, sublineare, thorace dimidio longius, paullò compressum, apice acuminatum et attenuatum, subtus angulatum: oviductus flavus, subexertus; tegmina nigra: protibiæ basi flavæ. (Corp. long. $\frac{3}{4}$ —1 $\frac{1}{4}$ lin.; alar. 1—1 $\frac{1}{2}$ lin.)

Var. β.—*Fem.* antennæ articulis omnibus supra pallidè fuscis: abdomen viridi-cyaneum; segmenta apice viridia.

Var. γ.—*Fem.* abdomen supra æneo-viride.

Var. δ.—*Fem.* abdomen omninò viride.

September; Isle of Wight.

Sp. 4. Plat. prasinum. Fem. *Præcedentium colore, P. teliformi et laticorni brevius illoque latius, P. claro abdomine non subtus angulato discrepans.*

Lætè viride, sparsè pubescens: oculi ocellique rufi: antennæ fulvæ, corporis triente vix longiores; clava lætè flava: thorax elongato-ovatus: abdomen elongato-ovatum, thorace vix longius, ferè læve, albo sparsè pilosum, subtus convexum, apice acuminatum non attenuatum; discus æneo-viridis: pedes lætè flavi; coxæ virides; femora basi fulva; protibiæ et protarsi fulva, hi apice pallidè fusci; meso- et metatarsi apice, ungues et pulvilli fusci: alæ hyalinæ, albæ; squamulæ et nervi straminea; stigma minutum. (Corp. long. $\frac{5}{4}$ —1 lin.; alar. 1 $\frac{1}{4}$ —1 $\frac{1}{2}$ lin.)

Var. β.—Antennæ articulis 1^o. ad 4^{um}. supra pallidè fuscis: abdominis discus cupreo-viridis.

Var. γ.—Antennæ articulis 1^o. ad 10^{um}. supra fuscis.

Var. δ.—Abdomen omninò viride: femora basi fusca.

Var. ε.—Abdominis latera cyaneo-viridia.

September; Isle of Wight.

Sp. 5. Plat. cincticorne. Mas et Fem. *Præcedentium colore, antennis fulvis, mas; aut pallidè fuscis, fem.; fusco cingulatis.*

Mas.—Lætè viride, vix pubescens: oculi ocellique rufi: antennæ fulvæ, corporis dimidio paullò breviores; articulus 2^{us}. basi nigro-fuscus; 6^{us}. et sequentes ad 10^{um}. basi fusci; clava fusca, basi flava: thorax elongato-ovatus: abdomen sublineare, thoracis longitudine sed paullò angustius; discus æneo-viridis: sexualia pallidè fusca: pedes lætè flavi; coxæ virides; protibiæ fulvæ; protarsi pallidè fusci; meso- et metapedum tarsi apice, ungues et pulvilli nigro-fusci: alæ hyalinæ, albæ; squamulæ et nervi fulva; stigma parvum; metalarum nervi pallidè flavi.

Fem.—Paullò gracilius: antennæ pallidè fuscæ, corporis dimidio breviores; articuli basi obscuriores; 1^{us}. nigro-fuscus: caput posticè æneo-viride: abdomen viridi-cyaneum, elongato-ovatum, thorace paullò longius, subtus angulatum, apice acuminatum non attenuatum; discus æneus: oviductus subexertus: femora fusca, apice flava; protibiæ pallidè fuscæ; meso- et metapedum tarsi apice, ungues et pulvilli fusci. (Corp. long. 1 $\frac{1}{4}$ lin.; alar. 1 $\frac{3}{8}$ lin.)

May; on grass in fields; near London.

Sp. 6. Plat. terminale. Fem. *Præcedentium colore, P. claro laticorni et prasino abdomine angustiore, P. teliformi abdomine breviorè discrepans.*

Lætè viride, vix pubescens: oculi ocellique rufi: antennæ flavæ, corporis dimidio vix longitudine; articulus 3^{us}. et sequentes basi obscuriores: thorax elongato-ovatus: abdomen æneum, sublineare, compressum, thorace longius, basi viride, subtus paullò angulatum, apice acuminatum vix attenuatum: pedes lætè flavi; coxæ virides; femora fulva, apice flava; tarsi apice, ungues et pulvilli fulvi: alæ hyalinæ, albæ; squamulæ et nervi pallidè flava; stigma minutum. (Corp. long. 1 $\frac{1}{4}$ lin.; alar. 1 $\frac{1}{2}$ lin.)

August; on grass in fields; near London.

GENUS IX.—AMBLYMERUS,¹ Walker.

Fem.—Corpus crassum, latum, quasi squameum, sparsè pubescens: caput breve, thorace vix latius: mandibulæ 4-dentatæ, sub-

¹ Ἀμβλύς obtusus, μέρος pars.

quadratae, paullo arcuatae, similes, intus breviores et emarginatae; dens externus et 2^{us}. mediocres, acuti; 3^{us}. et 4^{us}. parvi, obtusi: maxillae elongatae, subarcuatae, acuminatae, apice angustae et ciliatae; palpi 4-articulati, filiformes; articuli 1^o. ad 3^{um}. breves, subaequales; 4^{us}. 2ⁱ. et 3ⁱ. longitudine, apice acuminatus: mentum elongato-ovatum, angustum: labium parvum, angustum, quasi fissum; palpi 3-articulati, filiformes, breves, crassi; articulus 2^{us}. brevissimus; 3^{us}. apice acuminatus: antennae 13-articulatae, clavatae, thorace breviores; articulus 1^{us}. gracilis, linearis; 2^{us}. elongato-cyathiformis; 5^{us}. et sequentes ad 10^{um}. gradatim breviores et latiores; clava ovata, plana, articulis 9^o. et 10^o. latior sed vix longior: thorax ovatus, convexus: prothorax brevissimus: mesothoracis parapsidum suturae vix conspicuae; scutellum ferè rotundum; paraptera et epimera benè determinata: abdomen ovatum, ferè laeve, subtus carinatum et nonnunquam angulatum, apice acuminatum; segmentum 1^{um}. ferè trientis longitudine; reliqua breviora, subaequalia: pedes simplices, latiusculi: alae plerumque latae; nervus humeralis ulnari longior, ramulum rejiciens nullum; cubitalis radiali dimidio brevior, stigmatè ramulum brevissimum emittente terminatus.

Sp. 1. Amb. amænus. Fem. *Viridis aut æneo-cupreus, antennis fuscis, abdomine non subtus angulato, pedibus flavis aut fulvis, alis hyalinis, proalis nonnunquam subflavescentibus.*

Lætè viridis, caput thoracis latitudine: oculi ocellique rufi: antennae fuscae; articulus 1^{us}. et 2^{us}. pallidè rufi: capitis, prothoracis mesothoracisque latera cupreo-viridia: abdomen cupreum, subtus carinatum non angulatum, apice pilosum; segmenta basi et utrinque viridia: pedes flavi; coxae virides; metatibiae intus fulvo vittatae; meso- et metatarsi straminei, articulo 5^o., unguibus et pulvillis fuscis; protarsi articulo 5^o. rufo: alae hyalinæ, latae; squamulae et nervi pallidè flava; stigma minimum. (Corp. long. $\frac{5}{4}$ — $1\frac{1}{4}$ lin.; alar. $1\frac{1}{2}$ — $2\frac{1}{4}$ lin.)

Var. β.—Antennae articulis 3^o. ad 10^{um}. rufo-fuscis.

Var. γ.—Thoracis dorsum cupreo variegatum: abdomen cupreum, basi et utrinque viridi variegatum: metatibiae omninò flavæ.

Var. δ.—Antennae articulo 2^o. rufo: thorax æneo-viridis; segmentorum margines virides: femora et metapedum tibiae pallidè rufa.

Var. ε.—Abdomen viride, apice cupreum; discus chalybeo fasciatus: femora, meso- et metatibiae fulva, apice flava.

- Var. ζ.*—*Var. ε.* similis : abdomen cupreum, basi æneo-viride.
Var. η.—Antennæ articulo 2^o. supra fusco.
Var. θ.—Æneo-viridis : thorax anticè et utrinque cupreus : femora, tibiæ et protarsi pallidè rufa ; meso- et metatibiæ apice flavæ : proalæ sub-nervum ulnarem paullò flavescens.
Var. ι.—*Var. θ.* similis, æneo-cupreus : caput viridi-æneum, anticè et posticè viride.
Var. κ.—Thorax æneo-viridis ; scutellum cupreum.
Var. λ.—Viridis : thorax posticè æneo-viridis : abdominis segmentum 1^{um}. viride, micans.

August ; on oak trees, &c. ; near London. September ; Isle of Wight.

Sp. 2. Amb. dubius. Fem. *Viridis aut æneus, præcedenti angustior, antennis fulvo fuscis, pedibus fulvis, alis hyalinis vix flavescentibus.*

Lætè viridis, caput thoracis latitudine : oculi ocellique rufi : antennæ fulvæ articuli 1^o. ad 4^{um}. flavi ; clava fusca : abdomen æneum, basi viride nitentius, subtus carinatum non angulatum : pedes fulvi ; coxæ virides ; femora fusca, apice flava ; tibiæ apice flavæ ; mesofemora subtus ante apices setâ validâ armata ; tarsi apice, ungues et pulvilli fusci : alæ hyalinæ, minimè flavescens ; squamulæ et nervi pallidè fusca ; stigma minimum. (Corp. long. $\frac{5}{4}$ —1 lin. ; alar. $1\frac{1}{4}$ — $1\frac{1}{2}$ lin.)

Var. β.—Antennæ fuscæ ; articulus 1^{us}. omninò et 2^{us}. subtus flavi : femora apice fulva ; metatibiæ fuscæ, apice flavæ ; tarsi et protibiæ flava, illi apice fusci.

Var. γ.—Æneus : abdomen basi viride, apice cupreum, segmenta apice nigro-ænea : pedes fulvi ; coxæ æneæ ; metafemora inermia ? ; meso- et metatarsi flavi, apice nigro-fusci.—Species distincta. ?

Var. δ.—*Var. γ* similis : abdomen nigro-æneum, basi apiceque viride.

August ; near London. September ; Isle of Wight.

Sp. 3. Amb. validus. Fem. *Æneus, viridi et cupreo variegatus, antennis fuscis, abdomine subtus angulato, pedibus fulvis, alis hyalinis, nonnunquam subflavescentibus.*

Cupreo-æneus : caput æneum, posticè æneo-viride, thorace paullò latius : oculi ocellique rufo-fusci : os pallidè flavum : antennæ fuscæ ; clava obscurior ; articulus 1^{us}. pallidè rufus : abdomen

nigro-æneum, subtus angulatum, basi cupreo-æneum nitentius : pedes fulvi ; propedes flavi ; coxæ æneæ ; ungues et pulvilli fuscii ; meso- et metapedum genua et tarsi pallidè flava, hi apice fuscii : alæ subflavescentes : squamulæ fulvæ ; nervi pallidiores ; stigma minutum. (Corp long. 1— $1\frac{1}{4}$ lin. ; alar. $1\frac{1}{4}$ — $1\frac{3}{4}$ lin.)

Var. β.—Caput et thorax obscurè cupreo-ænea, illum posticè viride : abdomen cupreo-viride, basi nitentius ; discus nigro-æneus : alæ vix subflavescentes.

Var. γ.—Æneus : caput viride : antennæ pallidè fuscæ ; articulus 1^{us}. flavus : abdomen nigro-æneum, basi viride nitentius ; segmenta apicalia viridescencia : coxæ virides ; profemora fulva : alæ omninò perlucidæ.

August ; near London. New Lanark, Scotland.

ART. XXVIII.—*Entomological Society.*

SEVENTH SITTING.—APRIL 7.

WE observed Dr. Ure among the strangers present.

The PRESIDENT informed the meeting that Mr. Walker and Mr. Newman had withdrawn their names from the council of the Society, and that it was necessary that the vacancies thus occasioned in the council list be filled up by the Society. The council had met on the subject, and had agreed to propose to the meeting the name of Mr. Hanson, instead of Mr. Walker, and the name of Dr. Roget, instead of Mr. Newman.

The SECRETARY read letters from M. Wiedemann and M. Lefebvre, who had been elected honorary members of the Society.

The SECRETARY read a paper by Mr. Spence, detailing a curious mode, adopted in Italy, of excluding the house-fly from houses. The plan consisted simply in straining a net, made of white thread, across the aperture of an open window : the meshes of the net were about half-an-inch in diameter. It had occurred to Mr. Spence, whether it could be the dread of a spider's-net which caused the flies to avoid this thread-net, but on consideration he had determined otherwise, and he was