

size, and even to a certain extent in form, yet a given series of scales from the lateral line, exhibiting a marked difference in structure, would undoubtedly indicate a corresponding series of species or genera.

That scale, for such I am now disposed to class it, which is represented at No. 13, has given me the most trouble to decipher. It has, at first sight, the appearance of a tooth, but it differs from that of a shark, to which, were it a tooth, it would be the most nearly allied by the great length of the fangs. And indeed there are no instances of teeth being thus let into the jaw; for they are either immoveable and to be considered as parts of the bone, or if moveable they are fixed to the skin. The subject in question, I believe to be the triple subcutaneous insertion of a ventral spine or quasi-scale of a fish nearly allied to the *Diodon orbicularis*, or porcupine fish of the present period. This similarity no sooner occurred to me than I immediately boiled a small portion of a *Diodon* in order to separate the triple-fanged insertion of a spine from its investing cartilage, and the only reason of my not figuring the latter example is the very satisfactory one of there being no difference except that of size to describe.

I find also with the scales, traces of ribs and fins, small sharp-pointed teeth, and parts of the vertebræ, and in a few instances I have found portions of the body with the scales *in situ*. But here I close this short account of an investigation which no right-minded man will prosecute without directing his thoughts to Him who of old “turned the hard rock into a standing water, and the flint-stone into a springing well.”

Peckham, October 5, 1838.

XXV.—*Descriptions of British Chalcidites.* By FRANCIS WALKER, F.L.S.

[Continued from vol. i. p. 454.]

Mas. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, mediocre, subquadratum, convexum, punctatum, parum nitens, latitudine thoracis; vertex sat latus; frons abrupte declivis: oculi mediocres, subrotundi, non extantes: ocelli 3 triangulum fingentes, medius perparum antepositus: antennæ subfiliformes, latæ, pubescentes, thorace vix breviores; articulus 1^{us} sublinearis, validus; 2^{us} longicyathiformis; 3^{us} et sequentes latiores, oblongo-quadrati, usque ad 6^{um} curtantes; clava fusiformis, acuminata, articulo 6^o plus dimidio longior vix latior: thorax longiovatus, convexus: prothorax transversus, sat bene determinatus, antice an-

gustus, postice concavus: mesothoracis scutum transversum; parapsidum suturæ bene determinatæ; paraptera et epimera magna, conspicua, subtri-gona; scutellum breviovatum, læve; metascutellum transversum, breve: metathorax mediocris: petiolus brevis, crassus: abdomen ovatum, læve, tho-race brevius, supra planum, subtus convexum; segmentum 1^{um} magnum; 2^{um} et sequentia brevia, parallela, subæqualia: sexualia exerta: pedes me-diocres, recti, simplices, pubescentes, subæquales; tarsis articulus 1^{us} 2^o vix brevior, 3^{us} 1^o brevior, 4^{us} 2^o paullo longior: ungues et pulvilli sat magni: alæ mediocres, pubescentes, non ciliatæ; proalis nervus solitus setosus, hu-meralis ulnari multo longior, cubitalis radiali multo brevior ad alæ apicem tendens, apice stigma minutum fere integrum fingens; metalis nervus costa-lis simplex.

Sp. 27. Cirr. Articas, Mas. *Ater fulvo-varius, antennæ nigræ, pedes fulvi, alæ sublimpidæ.*

Ater: caput ad os flavum: oculi et ocelli rufi, illi antice flavo semicincti: antennæ nigræ; articulus 1^{us} subtus fulvus: gula fulva: thorax subtus fulvus: prothorax postice viridi-fulvo fasciatus: mesothoracis parapsides fulvæ an-tice nigro-piceæ, scutellum fulvum basi nigro-piceum, paraptera et epimera fulvo-varia, postscutellum fulvum: petiolus fulvus: abdomen subtus ferru-gineum; segmenta 1^{um} et 2^{um} apice supra æneo-ferruginea: sexualia picea: pedes fulvi; coxæ basi piceæ; tarsi supra picei; profemora extus piceo-vittata: alæ sublimpidæ; squamulæ fulvæ; nervi fusci. (Corp. long. lin. 1—1 $\frac{1}{4}$; alar. lin. 1 $\frac{1}{2}$ —1 $\frac{3}{4}$.)

Var. β.—Mesothoracis scutellum nigrum, apice fulvum: petiolus piceus: abdomen supra omnino nigrum.

Var. γ.—*Var. β.* similis: thorax supra ater: mesothoracis parapsides pos-tice fulvæ: mesofemora piceo-vittata.

Var. δ.—*Var. β.* similis: meso- et metatibiæ fusæ; tarsi nigro-picei.

July to September; near London, Isle of Wight.

Mas. Corpus breve, nitens, scitissime squameum, parce hirtum: caput transversum, subquadratum, sat magnum, convexum, punctatum, parum ni-tens, thorace paullo latius; vertex latus; frons abrupte declivis: antennæ subfiliformes, graciles, thorace multo longiores; articulus 1^{us} sublinearis; 2^{us} longicyathiformis; 3^{us} et sequentes longi, lineares, usque ad 6^{um} cur-tantes; clava fusiformis, acuminata, articulo 6^o multo longior: thorax ovatus, convexus: prothorax transversus, bene determinatus, antice angus-tior: mesothoracis scutum transversum, breve; parapsidum suturæ bene determinatæ; paraptera et epimera magna, subtri-gona; scutellum brevi-ovatum, læve; metascutellum conspicuum: metathorax bene determinatus: petiolus brevis, crassus: abdomen planum, fere conicum, thorace multo bre-vius; segmentum 1^{um} magnum, dorsi fere dimidium occupans; 2^{um} et se-quentia brevia, parallela, subæqualia: pedes graciles, simplices, recti, sub-æquales; mesotibiæ subclavatæ; tarsis articuli 1^{us} et 3^{us} breviores, 2^{us} et 4^{us} longiores; ungues et pulvilli sat magni: alæ pubescentes, non ciliatæ; nervus humeralis ulnari longior, cubitalis in alæ discum declivis radiali multo brevior, apice stigma fingens minutum fere integrum.

Sp. 28. Cirr. Acesius, Mas. *Luteus nigro-varius, antennæ piceæ, pedes flavi piceo-cincti, mesotarsi fuscii, alæ subflavescentes.*

Luteus: caput nigrum: oculi et ocelli picei: antennæ nigro-piceæ; articuli 1^{us} et 2^{us} lutei, hic basi et ille apice supra picei: prothoracis discus nigro-piceus: mesothoracis scutum basi nigro-piceum, parapsides flavæ, scutellum paraptera et epimera nigra: metathorax niger: petiolus piceus, apice luteus: abdomen nigrum, basi luteum: sexualia flava: pedes flavi; tarsi apice fuscii; propedum femora extus nigro-picea, tibiæ apice fuscæ; mesopedum tibiæ apice nigro-piceæ, tarsi fuscii: alæ subflavescentes; squamulæ fulvæ; nervi fulvi. (Corp. long. lin. $\frac{2}{3}$ — $\frac{3}{4}$; alar. lin. 1—1 $\frac{1}{4}$.)

Var. β.—Mesothoracis scutum omnino luteum; scutellum rufum, discus piceus: abdomen basi ad medium luteum.

Var. γ.—Abdomen basi nigrum; segmenti 1ⁱ discus rufus.

Var. δ.—*Var. β.* similis: mesothoracis scutellum omnino rufum.

Var. ε.—*Var. δ.* similis: protibiæ omnino flavæ.

Var. ζ.—Petiolus omnino luteus.

Var. η.—Mesothoracis scutum piceum, parapsides rufæ, basi piceæ.

Var. θ.—Thorax supra omnino nigro-piceus.

June to September; near London. Ireland, Mr. Haliday.

Mas. Corpus sublineare, nitens, sublæve, parce hirtum: caput transversum, mediocre, subquadratum, convexum, punctatum, parum nitens, thoracis latitudine; vertex latus; frons subimpressa, abrupte declivis: antennæ filiformes, graciles, corpore vix breviores, pilis longioribus vestitæ; articulus 1^{us} sublinearis; 2^{us} longicyathiformis; 3^{us} latus, oblongus; 4^{us} et sequentes longi, lineares, usque ad 7^{um} curtantes; clava longifusiformis, acuminata, articulo 7^o multo longior: thorax longiovatus, convexus: prothorax transversus, brevis, conspicuus, postice incurvus: mesothoracis scutum magnum, latitudine longius; parapsidum suturæ conspicuæ, postice mutuo accedentes; paraptera et epimera bene determinata; scutellum obconicum; metascutellum brevissimum: metathorax conspicuus: petiolus brevissimus, crassus: abdomen longiovatum, subglabrum, supra planum, thorace paullo angustius vix brevius; segmenta 1^o ad 3^{um} magna, 4^{um} et sequentia brevia parva: pedes graciles, simplices, recti, sat longi; tarsis articuli 1^o ad 3^{um} subæquales, 4^{us} 3^o longior; ungues et pulvilli mediocres: alæ breviter ciliatæ; nervus ulnaris humerali non brevior, radialis vix ullus, cubitalis in alæ discum declivis apice stigma fingens fere integrum.

Fem. Caput thorace paullo angustius: antennæ clavatæ, thorace non longiores; articulus 3^{us} brevissimus; 4^{us} fusiformis; 6^{us} et 7^{us} breviores; clava longiovata, acuminata, articulo 7^o multo longior: abdomen longiovatum, apice acuminatum, thorace latius et paullo longius; segmenta transversa, parallela, 1^{um} magnum, 2^{um} et sequentia parva.

Sp. 29. Cirr. Armæus, Mas et Fem. *Niger flavo-varius, antennæ nigræ, pedes fulvi piceo-vittati, alæ subfulvæ.*

Fem. Niger: caput antice et circum oculos flavum: oculi et ocelli picei: antennæ nigræ; articulus 1^{us} basi flavus: mesothoracis scutum apice et basi utrinque flavo marginatum, paraptera et epimera partim flavo marginata,

scutellum et postscutellum flava, illum piceo utrinque breviter vittatum et medio maculatum; abdomen æneo-atrum: pedes fulvi; coxæ piceæ; tarsi apice picei; profemora basi extus piceo-vittata; mesofemora basi fusco plagiata; metafemora nigro-picea, apice fulva: alæ fulvescentes; squamulæ fulvæ; nervi fulvi.

Mas. Mesothoracis scutum apice piceo utrinque binotatum; pro- et meta-femora fusca, apice fulva: mesofemora fulva. (Corp. long. lin. $1-1\frac{1}{4}$; alar. lin. $1\frac{1}{2}-1\frac{3}{4}$.)

Var. β. Mas.—Femora omnia fulva.

Var. γ. Fem.—Mesothoracis parapsides fere omnino flavæ, scutelli vittæ obsoletæ: abdominis segmenti 1ⁱ discus ferrugineus: metatibiæ pallide fuscae.

Var. δ. Fem.—*Var. γ.* similis: mesothoracis scutelli macula fulva: meta-femora fusca, apice fulva.

Var. ε. Fem.—Mesofemora fulva: metafemora pallide fusca, apice fulva.

Var. ζ. Fem.—Mesothoracis scutelli macula nigra, vittæ obsoletæ.

Var. η. Fem.—*Var. δ.* similis: mesofemora fulva; metatibiæ fuscae.

June, September; near London, Isle of Wight, Wales, Scotland. On oaks, Tullymore Park, Ireland, Mr. Haliday.

Sp. 30. Cirr. Metra, Fem. *Ochraceus, antennæ fuscae, abdomen æneo-nigrum, pedes fulvi, alæ limpidæ.*

Ochraceus: caput postice et ad ocellos nigro-piceum: oculi et ocelli rufi: antennæ fuscae; articuli 1^{us} et 2^{us} fulvi, hic basi et ille apice fusi: thoracis suturæ piceæ: mesothoracis scutum antice nigro-piceum, scutellum piceo bivittatum: metathorax piceus: petiolus ferrugineus: abdomen æneo-nigrum, basi ferrugineum: pedes pallide fulvi; genua flava; ungues et pulvilli fusi: alæ limpidæ; squamulæ pallide flavæ; nervi concolores. (Corp. long. lin. 1; alar. lin. $1\frac{1}{2}$.)

August; near London.

Fem. Corpus longum, sublineare, nitens, sublæve, parce hirtum: caput parvum, transversum, subquadratum, punctatum, parum nitens, thorace paullo angustius; vertex sat latus; frons impressa, abrupte declivis: antennæ graciles, clavatæ, thorace paullo longiores; articulus 1^{us} sublinearis; 2^{us} longicyathiformis; 3^{us} brevissimus; 4^{us} fusiformis, longus; 5^{us} et 6^{us} breviores; clava fusiformis, acuminata, articulo 6^o multo longior: thorax longiovatus, convexus: prothorax transversus, conspicuus, angustus, postice incurvus: mesothoracis scutum magnum, latitudine longius; parapsidum suturæ conspicuæ, postice mutuo accedentes; paraptera et epimera bene determinata; scutellum subrotundum: metascutellum parvum, fere semicirculum fingens: metathorax conspicuus: abdomen longiovatum, thorace longius, supra planum, subtus carinatum, apice acuminatum et attenuatum, segmenta transversa, parallela, subæqualia: petiolus crassus, brevissimus: pedes graciles, simplices, recti, sat longi; tarsi articuli 1^o ad 3^{um} subæquales, 4^{us} 3^o longior; ungues et pulvilli mediocres: alæ breviter ciliatæ; nervus ulnaris humerali non brevior, radialis vix ullus, cubitalis in alæ discum declivis apice stigma fingens fere integrum.

Sp. 31. Cirr. Eurytus, Fem. *Viridis flavo-varius, antennæ nigræ, pedes flavi, alæ limpidæ.*

Læte viridis: caput antice et subtus flavum: oculi et ocelli rufi: antennæ nigræ; articulus 1^{us} basi et subtus fulvus; 2^{us} apice fulvus: thoracis discus cupreo-varius: mesothoracis scutum utrinque et postice flavo marginatum, paraptera et epimera flavo partim marginata, scutellum et postscutellum flava, illi macula ad basin trigona viridis: abdomen cyaneo-viride: pedes flavi; coxæ virides; ungues et pulvilli pallide fusci; protarsi fulvi: alæ limpidæ; squamulæ fulvæ, antice virides, nervi fulvi. (Corp. long. lin. 1; alar. lin. 1½.)

Found near London.

Fem. Corpus angustum, sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum; vertex sat latus; frons abrupte declivis, vix impressa: oculi mediocres, subrotundi, extantes: ocelli vertice triangulum fingentes: antennæ graciles, extrorsum crassiores, corporis dimidio longiores; articulus 1^{us} fusiformis, 2^{us} longiobconicus; 3^{us} et sequentes lineares, ad 5^{um} curtantes; clava fusiformis, acuminata, articulo 5^o fere duplo longior: thorax ovatus, convexus: prothorax transversus, brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsides remotæ, suturæ bene determinatæ; scutellum obconicum; paraptera et epimera conspicua: metathorax mediocris: petiolus brevissimus: abdomen fusiforme, planum, acuminatum, thorace longius vix angustius; segmenta parallela, 1^{um} magnum, 2^{um} et sequentia breviora subæqualia: pedes graciles, sat longi, subæquales; tarsis articuli 1^{us} et 3^{us} breviores, 2^{us} et 4^{us} longiores; ungues et pulvilli parvi: alæ angustæ, ciliatæ; nervus ulnaris humerali longior, radialis nullus, cubitalis in alæ discum declivis stigma fingens parvum fere bimucronatum.

Sp. 32. Cirr. Mandanis, Fem. *Viridis cupreo-varius, abdomen basi ferrugineum, antennæ piceæ, pedes flavi, alæ sublimpidæ.*

Læte viridis, cupreo-varius: oculi et ocelli rufi: antennæ piceæ; articuli 1^{us} et 2^{us} fulvi, hic supra et ille apice fusci: abdomen viridi-cupreum, basi ferrugineum: pedes læte flavi; coxæ virides; tarsi apice fusci; protarsi fulvi, apice picei: alæ sublimpidæ; squamulæ fulvæ; nervi fulvi. (Corp. long. lin. ½—¾; alar. lin. ⅔—1¼.)

July; near London, Scotland.

Mas. Corpus nitens, læve, parce hirtum: caput parvum, transversum, brevissimum, convexum, thorace angustius; vertex angustus; frons impressa, abrupte declivis: oculi sat magni, subrotundi, extantes: ocelli vertice triangulum fingentes: antennæ subsetacæ, graciles, pilis longioribus vestitæ, corpore multo breviores; articulus 1^{us} sublinearis, gracilis; 2^{us} longicyathiformis; 3^{us} brevis; 4^{us} et sequentes ad 7^{um} lineares, subæquales; 8^{us} et 9^{us} sensim angustiores; 10^{us} minutus, acuminatus: thorax ovatus, supra planus: prothorax transversus, brevissimus, antice angustior, supra conspicuus: mesothoracis scutum longitudine vix latius; parapsidum suturæ remotæ, conspicuæ; scutellum brevi obconicum; paraptera et epimera sat bene determinata: metathorax mediocris: petiolus brevis, gracilis: ab-

domen sublineare, depressum, fere glabrum, apice paullo latius, thorace angustius non longius; segmenta transversa, parallela, subæqualia: pedes graciles, simplices, subæquales; tarsis articuli 1^{us} et 3^{us} breviores, 2^{us} et 4^{us} longiores; ungues et pulvilli minuti: alæ ciliatæ: proalæ latæ; nervus ulnaris humerali paullo longior, radialis nullus, cubitalis longus in alæ discum declivis apice stigma fingens minutum fere integrum.

Fem. Antennæ 8-articulatæ, extrorsum crassiores, corporis dimidio longiores; articuli 3^{us}, 4^{us} et 5^{us} lineares, subæquales; clava fusiformis, attenuata, acuminata, articulo 5^o fere duplo longior: abdomen ovatum, acuminatum, subtus carinatum, thoraci fere quoad longum et latum.

Sp. 33. *Cirr. Anysis*, Mas et Fem. *Ater*, abdomen antice flavum, antennæ fulvæ, pedes flavi, alæ limpidæ.

Mas. *Ater*: caput flavum; vertex piceus: oculi et ocelli rufi: antennæ pallide fulvæ; articulus 1^{us} flavus, supra fulvo-vittatus; 2^{us} flavus, basi fuscus: abdomen piceum, ante medium flavo-fasciatum; segmentum 1^{um} fuscum: sexualia fulva: pedes læte flavi; coxæ basi fulvæ; ungues et pulvilli fulvi: alæ limpidæ; squamulæ flavæ, antice fuscae; nervi flavi.

Fem. *Æneo-ater*: antennis articulus 1^{us} flavus; 2^{us} pallide fulvus, basi fuscus: abdomen nigro-piceum; discus antice flavus; segmentum 1^{um} basi fuscum: coxæ basi piceæ: alæ minime flavescens. (Corp. long. lin. $\frac{1}{3}$ — $\frac{1}{2}$; alar. lin. $\frac{2}{3}$ —1.

Var. β. Mas.—Antennis articulus 2^{us} basi fulvus: squamulæ antice fulvæ.

Var. γ. Mas.—Abdomen nigro-piceum, basi piceum, medium ante fulvo fasciatum: alis nervi fulvi.

Var. δ. Fem.—Abdominis dimidium anticum flavum; segmentum 1^{um} basi fulvum: alis nervi fulvi.

Var. ε. Fem.—Antennis articulus 1^{us} fulvus, apice flavus.

Var. ζ. Fem.—Antennis articuli 1^{us} et 2^{us} obscure fulvi: abdomen cupreo-piceum, ante medium flavo-fasciatum: alis nervi fulvi.

Found near London.

Mas. Corpus nitens, læve, parce hirtum: caput parvum, transversum, brevissimum, convexum, thorace angustius; vertex angustus; frons impressa, abrupte declivis: oculi sat magni, subrotundi, extantes: ocelli vertice triangulum fingentes: antennæ filiformes, graciles, pilis longioribus vestitæ, corpore multo breviores; articulus 1^{us} sublinearis, gracilis; 2^{us} longicyathiformis; 3^{us} brevis; 4^{us} et sequentes ad 7^{um} lineares, subæquales; 8^{us} et 9^{us} sensim angustiores; 10^{us} minutus, acuminatus: thorax ovatus, supra planus: prothorax transversus, brevissimus, antice angustior, supra conspicuus: mesothoracis scutum longitudine vix latius; parapsidum suturæ remotæ, conspicuæ; scutellum brevi-obconicum; paraptera et epimera sat bene determinata: metathorax mediocris: petiolus brevis, gracilis: abdomen depressum, fere glabrum, sublineare, apice paullo latius, thorace angustius non longius; segmenta subæqualia: pedes graciles, simplices, subæquales; tarsis articuli 1^{us} et 3^{us} breviores, 2^{us} et 4^{us} longiores: alæ ciliatæ; proalæ latæ; nervus ulnaris humerali paullo longior, radialis nullus, cubitalis in alæ discum declivis stigma minutum fingens.

Fem. Antennæ extrorsum crassiores, corporis dimidio longiores; articuli 3° ad 5^{um} curtantes; clava fusiformis, attenuata, acuminata, articulo 5° duplo longior: abdomen ovatum, acuminatum, subtus carinatum, thoraci fere quoad longum et latum; segmentum 1^{um} magnum, 2^{um} et sequentia brevia, subæqualia.

Sp. 34. *Cirr. Ecus, Mas et Fem. Viridis, abdomen cupreum basi sæpe flavum, antennæ fulvæ, pedes flavi, alæ limpidæ.*

Fem. Læte viridis: oculi et ocelli rufi: antennæ obscure fulvæ; articuli 1^{us} et 2^{us} fusi, ille basi flavus: abdomen cupreum, basi fulvescens, apice viride: pedes læte flavi; ungues, pulvilli et protarsi fulvi: alæ limpidæ; squamulæ flavæ, antice fulvo variæ; nervi flavi.

Mas. Æneo-viridis: antennæ pallide fulvæ; articuli 1^{us} et 2^{us} fusi, hic apice fulvus: abdomen cupreum, basi flavescens, apice viridi-varium. (Corp. long. lin. $\frac{1}{2}$ — $\frac{3}{4}$; alar. lin. $\frac{2}{3}$ —1.)

Var. β. Fem.—Thorax cyaneo-viridis: abdomen medium ante flavo fasciatum: alis nervi flavi.

Var. γ. Fem.—Antennis articuli 1^{us} et 2^{us} pallide fusi, hic apice fulvus, ille basi flavus: abdomen antice flavum, postice cupreum.

Var. δ. Fem.—Mesothoracis scutellum viridi-cyaneum: abdomen cupreum, apice viride.

Var. ε. Fem.—Metathorax æneo-viridis: abdomen cupreum; segmenta apice viridia: alis nervi fulvi.

Var. ζ. Fem.—*Var. γ.* similis: antennis articulus 1^{us} flavus, apice supra pallide fuscus.

July, October, near London.

Mas. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, thorace latius: antennæ clavatæ, pilis longis vestitæ, corporis dimidio longiores; articulus 1^{us} latus, longiovatus; 2^{us} longicyathiformis; 3^{us} et sequentes ad 6^{um} breves, approximati, sublineares; clava longiovata, articulo 6° plus duplo longior et multo latior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum breviconicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen sublineare, planum, thorace brevius et angustius: pedes graciles: alis nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 35. *Cirr. Euedochus, Mas. Viridis, abdomen cupreum, antennæ flavæ apice fulvæ, pedes flavi, femora nonnunquam obscuriora, alæ limpidæ.*

Obscure viridis æneo-varius: oculi et ocelli rufi: antennæ læte flavæ; clava fulva, basi flava: abdomen cupreum: pedes læte flavi; coxæ virides, apice flavæ; meso- et metatarsi apice fulvi; protarsi supra pallide fulvi: alæ limpidæ; squamulæ flavæ, supra fusco notatæ; nervi flavi. (Corp. long. lin. $\frac{1}{3}$ — $\frac{2}{3}$; alar. lin. $\frac{1}{2}$ —1.)

Var. β.—Antennis articulus 1^{us} cupreus; 4^{us}, 5^{us} et 6^{us} supra pallide fulvi; clava obscurior: coxæ virides; trochanteres fulvi; pro- et mesofemora basi fusca; metafemora viridia, apice flava.

On the hazel, Holywood, near Belfast, Ireland, Mr. Haliday. Found near London.

Fem. Corpus longum, angustum, sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, thorace paullo latius; vertex latus; frons abrupte declivis: oculi mediocres: antennæ capitatae, thorace paullo breviores; articulus 1^{us} gracilis, fusiformis; 2^{us} longicyathiformis; 3^{us}, 4^{us} et 5^{us} sublineares, æquales; clava ovata, articulo 5^o multo latior et plus duplo longior: thorax longiovatus, parum convexus: prothorax conspicuus, latitudine longior, antice angustus: mesothoracis scutum depressum, latitudine longius; parapsidum suturæ non bene determinatæ; scutellum obconicum: metathorax mediocris: petiolus brevissimus: abdomen longiovatum, depressum, apice acuminatum, thorace paullo latius vix longius; segmentum 1^{um} magnum, 2^{um} et sequentia brevia: pedes graciles, simplices, subæquales; tarsis articulus 1^{us} brevis, 4^{us} longus; unguis et pulvilli minuti: alis nervus ulnaris humerali longior, cubitalis sat longior, stigma parvum subfurcatum fingens; radialis brevissimus.

[To be continued.]

XXVI.—*Floræ Insularum Novæ Zelandiæ Precursor; or a Specimen of the Botany of the Islands of New Zealand.*

By ALLAN CUNNINGHAM, Esq.

[Continued from p. 132.]

RUBIACEÆ, (*Juss.*)

(OPERCULARIÆ, *A. Rich.*)

1. OPERCULARIA, *Gærtn., A. Rich.*

466. *O. diphylla*, foliis ———, capitulis ex dichotomia ramorum stipitatis sphæricis involucris setoso-hispidis in capitulo pluribus 3—4 floris, corollis tetrandris. *DC. Prodr.* iv. p. 616. *Gærtn. Rœm. et Sch. Syst. Veg.* iii. p. 337.—*Rubioides diphylla.* *Soland. Ms. in Bibl. Banks.*

New Zealand.—1769, *Sir Jos. Banks.*

467. *O. aspera*, foliis oblongis scabris venosis, floribus capitatis pedunculis axillaribus. *DC. Prodr.* iv. p. 616. *Spreng. Syst. Veg.* i. p. 385. *Gærtn. Rœm. et Sch. Syst. Veg.* iii. p. 334.—*Rubioides aspera.* *Sol. Ms. in Bibl. Banks.*

2. GALIUM, *L. Juss.*

468. *G. tenuicaule*, annuum, caule debili valde attenuato tetragono retrorsum aspero, foliis quaternis spathulato-oblongis acutis basi angustatis aculeato-scabris, pedunculis axillaribus subtrifloris, folium subæquantibus, fructibus globoso-didymis glabris.

New Zealand (Northern Island). Damp woods on the Keri-Keri and Wangaroa rivers.—1834, *R. Cunningham.*

469. *G. propinquum*, annuum, caule attenuato debili decumbente tetragono glabro membranaceo, foliis quaternis (4 lineas longis) ellipticis acutis petiolatis margine aculeato-hispidis, pedunculis axillaribus solitariis folio vix longioribus, fructibus glabris globoso-didymis minutim tuberculatis.

New Zealand (Northern Island). Shaded woods, Wangaroa.—1833, *R. Cunningham.*



Walker, Francis. 1839. "Descriptions of British Chalcidites." *Annals of natural history* 2, 198–205.

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