

The contents of the August number, are:—1. *Harpalus ruficeps*, an immature specimen of *H. Hottentota* of Sturm; to which species the *H. punctiger* of Stephens is also referable. 2. *Nonagria Vectis*, one of the *Noctuidæ*. A correspondent^c has sent us *Nonagria Typhæ* in all its stages. The larva is a most singular one; it is very elongate and slender, of a dirty brown colour, longitudinally striped up the back and sides with darker lines;—it does not confine itself to an upright position, as Duponchel observes, and Mr. Curtis repeats, but enters the stem of the *Typha*, usually about eight inches above the water, and continues to devour the central portion to the water's-edge; it then comes out, and attacks another and another. 3. *Oryssus coronatus*. The description of this rare insect should have been much more explicit, as its relation to *Sirex*, in a natural arrangement, is a matter of great importance. Mr. Curtis has dismissed the description of those segments which would establish this, in the following words—"Thorax not larger than the head." 5. *Falagria thoracica*, one of the *Brachelytra*. 6. *Adela Frischella*. This is a bad plate; too much gilding and varnishing. 7. *Mesochorus sericans*, one of the *Ichneumonidæ*, and a beautiful figure. 8. *Pyrrhoceris apterus*, one of the *Cimicidæ*. The description of this insect is accompanied by some sensible observations on the probable causes of the occasional swarming of peculiar species of insects.

ART. LVII.—*Monographia Chalcidum*. By FRANCIS WALKER, ESQ. F. L. S.

(Continued from page 384.)

GENUS X. DICYCLUS,^a *Walker*.

Caput thorace latius: antennæ 13-articulatæ, clavatæ; articulus 1^{us}. elongatus; 2^{us}. elongato-cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes ad 10^{um}. æquales, breves; clava elongata, articulis 9^o. et 10^o. æqualis: mandibulæ 4-dentatæ; una arcuata, dentibus acuminatis; altera recta, dentibus ferè obtusis: maxillæ elongatæ, apicem versus internè in lobum productæ: palpi maxillares filiformes; articulus 1^{us}. mediocris; 2^{us}. paullò longior; 3^{us}. brevior;

^c Δ.

^a δὲς bis, κύκλος circulus.

4^{us}. 2°. et 3°. æqualis, acuminatus: mentum elongato-ovatum: labium anticè latum, rotundatum: palpi labiales articulo 2°. minuto: thorax brevis: prothoracis scutellum parvum: mesothoracis scutum magnum; suturæ laterales vix conspicuæ; epimera et paraptera majuscula; scutellum ovatum, convexum, mediocre: metathoracis scutellum parvum, canaliculatum: petiolus brevis: abdomen elongato-ovatum aut ferè rotundum; segmentum 2^{um}. maximum; sequentia parva: pedes graciles; tibiæ rectæ.

Sp. 1. Dic. æneus. Fem. *Viridi-æneus*, *antennis nigro-fuscis*, *pedibus rufis*, *alis hyalinis*. (Alarum longitudo, 1—1½ lin.)

August; grass in fields; near London. I have sometimes found it wingless.

Sp. 2. Dic. circulus. Fem. *Æneo-viridis*, *antennis nigro-fuscis*, *pedibus rufo-fuscis*, *alis subfuscis*. (Alarum longitudo, 1 lin.)

September; Isle of Wight.

Sp. 3. Dic. fuscicornis. Mas. et Fem. *Viridis* mas aut *æneo-viridis* fem., *antennis fuscis*, *pedibus rufis*, fem. *femoribus æneis*, *alis subfuscis* mas aut *fuscis* fem. (Alarum longitudo, ¾—1 lin.)

September; Isle of Wight.

Sp. 4. Dic. tristis. Fem. *Æneo-viridis*, *obscurus*, *abdumine nitido*, *antennis nigris*, *pedibus rufis*, *alis subhyalinis*. (Alarum longitudo, 1¼ lin.)

September; Isle of Wight.

Sp. 5. Dic. brevicornis. Fem. *Æneo-viridis*, *abdumine viridi*, *antennis nigris*, *pedibus rufis*, *alis fuscis*. (Alarum longitudo, 1 lin.)

August; grass in fields; near London.

GENUS XI. PACHYLARTHURUS,^b *Westwood*.

Caput magnum, thorace latius: oculi mediocres: antennæ 13-articulatæ, *maris* filiformes, *fem.* subclavatæ; articulus 1^{us}. elongatus,

^b Since I published the characters of *Cyrtogaster*, Mr. Westwood has kindly sent to me a description of the male of *Cyrtogaster rufipes*, under the name of *Pachylarthrus tibialis*. Having dissected the mouth of the female only, I was

longitudine ferè triens; 2^{us}. elongato-cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes ad 10^{um}. æquales, latiores; clava triarticulata, ovata, articulis 9°. et 10°. æqualis: mandibulæ 4-dentatæ, elongatæ, validæ, arcuatæ; dens basalis obtusa: maxillæ ovatæ, anticè in lobum elongatum productæ externè pilosum: palpi maxillares 4-articulati, graciles; articulus 1^{us}. mediocris; 2^{us}. longior; *maris* 3^{us}. et 4^{us}. dilatati; *fem.* 3^{us}. 2°. brevior; 4^{us}. 2°. æqualis, acuminatus: mentum ovatum: labium anticè dilatatum, rotundatum: palpi labiales filiformes; articulus 1^{us}. elongatus; 2^{us}. minutus; 3^{us}. 1°. æqualis, apice acuminatus: prothorax parvus: mesothoracis scutum mediocre; suturæ non benè determinatæ; paraptera, epimera et scutellum magna: metathoracis scutellum magnum, medio carinatum: petiolus brevissimus: *maris* abdomen parvum, vix convexum, apice latum; segmenta subtus versus abdominis basin retracta; 2^{um}. maximum, abdominis ferè dimidium occupans; sequentia minima: *fem.* abdomen ovatum, subtus carinatum, apice acuminatum; oviductus in carinula ventrali receptus, segmenti 3ⁱ. apicem versus apparens, non ultra abdomen exertus: pedes graciles; tibiæ rectæ.

Sp. 1. Pach. smaragdinus. Mas. *Cyaneo-viridis, antennis rufis, pedibus flavis, femoribus posticis fusco-maculatis, alis hyalinis.* (Alarum longitudo, 3 lin.)

Phagonia smaragdina.—*Curtis, Brit. Ent. 427.*

Fem.?—Cyanea, antennis nigris, femoribus cyaneis.

July; on a currant-bush; near London.

Sp. 2. Pach. flavicornis. Mas et Fem. *Lætè viridis, antennis maris rufis apice fuscis, fem. nigris, pedibus rufis, femoribus fem. viridibus, alis fuscis.* (Alarum longitudo, 1½—2 lin.)

not aware that the males of the above-mentioned genus have the tips of their maxillary palpi incrassated. This is Mr. Westwood's description:—

“*Viridis, palpis nigro-viridibus, tibiis tarsisque intermediis nigris.* ♂. (Long. corp. lin. $\frac{2}{3}$; expans. alar. 1½.)

Habitat prope Londinum.—*In Mus. Lewis.*

Caput thorax et abdomen viridia, aureo vix tincta, illa punctatissima, hoc nitidum basi depressum, longius quam in *Pach. patellano*: mandibulæ ochræ apice fusæ: palpi maxillares nigri cæruleo-viridi nitentes: antennæ pedesque obscurè fulvescentes, tarsis anticis et posticis apice fuscis, pedum intermediorum tibiis (nisi ad basin) tarsisque fusco-nigris: alæ albæ viridescentes, nervis pallidis.”

It is requisite to add to my character of *Cyrtogaster*—*Maris* palpi maxillares apice incrassati.

Phagonia flavicornis. Haliday.—Curtis, *Brit. Ent.* 427.

June; on ferns; near London. Windsor. Hampshire.

Sp. 3. *Pach. patellanus*. Mas. *Lætè viridis, antennis rufis, pedibus flavis, alis hyalinis*. (Alarum longitudo, $\frac{3}{4}$ — $1\frac{1}{2}$ lin.)

Diplolepis patellana. Dalman. *Stock. Trans.* 1822.

Pachylarthrus insignis. Westwood. *Lond. & Edinb. Phil. Mag. & Journ. of Science*. Third Series. No. II. p. 127.

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

GENUS XII. MISCOGASTER,^c Walker.

Caput mediocre: *maris* antennæ 14-articulatæ, filiformes, nonnunquam extrorsum crassiores, pubescentes; articulus 1^{us}. elongatus; 2^{us}. brevis, rotundus; 3^{us}. et 4^{us}. brevissimi; 5^{us}. et 6 sequentes elongatæ, remotæ, lineares; clava triarticulata, apice acuminata, articulo 11^o. multo longior: *fem.* antennæ 13-articulatæ, subclavatæ aut clavatæ; articulus 2^{us}. brevis, cyathiformis; 5^{us}. et 5 sequentes æquales, lineares; clava articulis 9^o. et 10^o. paullò brevior: mandibulæ 4-dentatæ, elongatæ, validæ, arcuatæ; dens basalis obtusa: maxillæ ovatæ, anticè in lobum elongatum productæ, externè pilosæ: palpi maxillares 4-articulati, filiformes; articulus 1^{us}. brevis; 2^{us}. longior; 3^{us}. 2^o. longior; 4^{us}. 3^o. æqualis, internè convexum et setosum: mentum breve, obconicum: labium elongatum, convexum, anticè paullò latius: palpi labiales articulis 3; 1^{us}. apice latior; 2^{us}. brevis; 3^{us}. 1^o. longitudine æqualis, angustior, apice setosus: prothorax non benè determinatus, anticè capite obtectus, medio angustior: mesothoracis scutum benè determinatum, suturæ optimè conspicuæ; paraptera trigona, maxima; scutellum benè determinatum, angustum; sternum magnum: metathoracis præscutum et scutum angusta; paraptera trigona, maxima; scutellum optimè determinatum, medio canaliculatum; postscutellum parvum: petiolus brevis, crassus, punctatus: *maris* abdomen thoraci longitudine æqualis, sublineare, depressum, medio vix concavum; segmentum 2^{um}. maximum, abdominis triens; 3^{um}. 4^{um}. et 5^{um}. parva; 6^{um}. longius; 7^{um}. breve; segmentis dorsalibus subtus basin versus retractis ventralia, apice excepto, omninò abscondita: *fem.* abdomen breve, contractum, ovatum, supra et subtus convexum; segmenta 3^{um}. et sequentia ad 6^{um}. subæqualia; 7^{um}. minimum;

^c *μίσχος* petiolus, *γαστήρ* venter.

segmenta ventralia nonnulla versus abdominis apicem conspicua; oviductus in carinula ventrali receptus, segmenti penultimi apicem versus apparens, non ultra abdomen exertus: pedes graciles, subæquales; tibiæ rectæ.

† *Stigma magnum*.^d

Sp. 1. Misc. gibba. Fem. *Viridis, antennis nigris, clava graciliore, pedibus rufis, alis hyalinis*. (Alarum longitudo, 2 lin.)

June; grass beneath trees; near London.

Sp. 2. Misc. elegans. Mas et Fem. *Viridis, æneo variegata, antennis nigris, clava graciliore, pedibus rufis, alis subhyalinis*. (Alarum longitudo, 2—2½ lin.)

July; grass in fields; near London.

Sp. 3. Misc. rufipes. Mas et Fem. *Æneo-viridis, antennis nigris, fem. clava crassiore, pedibus rufo-fuscis, alis subfuscis*. (Alarum longitudo, 1¾—2 lin.)

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

Sp. 4. Misc. maculata. Mas et Fem. *Viridi-ænea, antennis nigris, fem. clava crassiore, pedibus rufo-fuscis, alis fuscis*. (Alarum longitudo, 1½—1¾ lin.)

June; grass in woods; near London. September; Isle of Wight. May; Southampton. New Lanark. Scotland.

Sp. 5. Misc. fuscipennis. Mas et Fem. *Ænea, antennis nigris, fem. extrorsum crassioribus, pedibus rufis, tarsis fuscis, alis fuscis, quàm M. maculatæ angustioribus*. (Alarum longitudo, 1 lin.)

June; grass in fields; near London.

Sp. 6. Misc. notata. Mas. *Viridis, præcedenti gracilior, abdomine æneo-viridi, antennis nigris, pedibus rufis, fusco cingulatis, alis subfuscis*. (Alarum longitudo, ¾—1 lin.)

August; grass in fields; near London.

Sp. 7. Misc. obscura. Mas et Fem. *Viridi-ænea, antennis nigris, fem. clava crassiore, pedibus rufis, femoribus viridi-*

^d In the descriptions of the species of *Decatoma*, and of Var. δ . of *Megastigmus dorsalis*, p. 26—29, and 117, for "stigma," read "macula," and for "productum," read "producta."

- æneis, alis obscure fuscis.* (Alarum longitudo, $1\frac{2}{3}$ — $2\frac{1}{4}$ lin.)
 July; grass beneath trees; near London. September; Westmoreland.
- Sp. 8. Misc. fuscipes. Mas. *Æneo-viridis, antennis nigris, pedibus alisque fuscis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)
 August; grass in fields; near London.
- Sp. 9. Misc. obscuripennis. Mas et Fem. *Viridis aut æneo-viridis, M. fuscipede gracilior, antennis nigris, clava crassiore, pedibus alisque fuscis.* (Alarum longitudo, $1\frac{1}{4}$ — $1\frac{1}{3}$ lin.)
 August; grass in fields; near London. September; Isle of Wight.
- Sp. 10. Misc. antennata. Fem. *Æneo-viridis, antennis nigris, clava graciliore, pedibus viridibus, alis subhyalinis.* (Alarum longitudo, $1\frac{1}{3}$ lin.)
 July; grass in fields; near London.
- Sp. 11. Misc. maculipes. Fem. *Ænea, antennis nigris, clava crassiore, pedibus rufis, alis fuscis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)
 September; Isle of Wight.
- Sp. 12. Misc. hortensis. Mas et Fem. *Viridis, antennis nigris, fem. clava crassiore, pedibus rufis, tarsis fuscis, alis fuscis.* (Alarum longitudo, 1 — $1\frac{1}{2}$ lin.)
 Halticoptera hortensis. *Curtis's Guide*, 118. 638. 7.
 August; grass in fields; near London. September; Isle of Wight; Westmoreland.
- Sp. 13. Misc. lucida. Mas. *Viridis aut cyaneo-viridis, abdomine viridi-æneo, antennis nigris, pedibus rufis, fusco cingulatis, alis hyalinis.* (Alarum longitudo, $1\frac{1}{3}$ — $1\frac{1}{2}$ lin.)
 August; grass in fields; near London. September; Isle of Wight.
- Sp. 14. Misc. diffinis. Mas. *Viridi-ænea, abdomine subpetiolato, antennis nigris, clava crassiore, pedibus rufis, fusco cingulatis, alis hyalinis.* (Alarum longitudo, $1\frac{1}{4}$ — $1\frac{1}{3}$ lin.)
 August; grass in fields; near London. New Lanark, Scotland.

†† *Stigma mediocre aut minimum.*

Sp. 15. Misc. chrysochlora. Mas et Fem. *Viridis, æneo variegata, antennis nigris, fem. clava graciliore, pedibus rufis, alis hyalinis.* (Alarum longitudo, $2\frac{1}{2}$ —3 lin.)

Halticoptera chrysochlora. *Haliday. Curtis, Guide, 118. 638. 1.*

August, September; on box-trees and thistles; near London. Westmoreland. Mr. Wailes has taken it near Newcastle.

Sp. 16. Misc. annularis. Mas et Fem. *Viridis, antennis nigris, fem. clava graciliore, pedibus rufis, tarsis posticis fuscis, alis subhyalinis.* (Alarum longitudo, 2 lin.)

Halticoptera annularis. *Curtis, Guide, 118. 638. 8.*

September; grass in fields; near London; Westmoreland.

Sp. 17. Misc. viridis. Mas et Fem. *Viridis, antennis nigris, fem. clava crassiore, pedibus rufis, fusco maculatis, alis hyalinis, stigmatate mediocri.* (Alarum longitudo, $1\frac{1}{4}$ — $1\frac{1}{2}$ lin.)

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

Sp. 18. Misc. annulipes. Mas et Fem. *Æneo-viridis, antennis nigris, fem. clava crassiore, pedibus rufis, fusco cingulatis, alis subfuscis mas, aut fuscis fem.* (Alarum longitudo, 1 lin.)

August; grass in woods; near London. September; Isle of Wight.

Sp. 19. Misc. Scotica. Mas. *Viridis, antennis nigris, pedibus nigro-viridibus, alis fuscis.* (Alarum longitudo, $\frac{3}{4}$ lin.)

New Lanark, Scotland.

Sp. 20. Misc. ænea. Mas. *Ænea, antennis fuscis, pedibus fusco-rufis, alis fuscis.* Fem. *Cuprea, antennis nigris, clava crassiore, abdomine æneo aut viridi, pedibus viridifuscis.* (Alarum longitudo, $1\frac{1}{4}$ — $1\frac{1}{2}$ lin.)

June; grass beneath trees; near London.

Sp. 21. Misc. tarsalis. Mas et Fem. *Viridi-aut cupreo-ænea, antennis nigris, pedibus rufis, fusco-cingulatis, alis subhyalinis.* (Alarum longitudo, $1\frac{1}{4}$ — $1\frac{2}{3}$ lin.)

August; grass in fields; near London. New Lanark, Scotland.

Sp. 22. Misc. nitidipes. Mas. *Viridi-ænea, thorace cupreo, antennis nigris, extrorsum crassioribus, pedibus flavis, femoribus viridibus, alis hyalinis.* (Alarum longitudo, $1\frac{2}{3}$ lin.)

September; grass in fields; near London.

Sp. 23. Misc. breviventris. Mas. *Viridis, thorace cyaneo-viridi, antennis nigris, extrorsum crassioribus, pedibus flavis, fusco fasciatis, tarsis 4-posticis fuscis, alis hyalinis.* (Alarum longitudo, $1\frac{2}{3}$ lin.)

August; grass in fields; near London.

Sp. 24. Misc. lugubris. Mas. *Viridis, abdomine æneo-cupreo, antennis nigro-fuscis, pedibus flavis, tibiis intermediis apice nigris, alis subhyalinis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)

August; grass in fields; near London.

Sp. 25. Misc. tenuicornis. Fem. *Viridis, antennis fuscis, pedibus rufis, 4 posticis fuscis, alis hyalinis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)

August; grass in fields; near London.

Sp. 26. Misc. ovata. Fem. *Viridis, thorace æneo-viridi, antennis nigris, pedibus rufis, alis subhyalinis.* (Alarum longitudo, 2 lin.)

July; grass in fields; near London.

Sp. 27. Misc. nitida. Mas et Fem. *Viridi-ænea, abdomine æneo-cupreo, antennis nigris, pedibus rufis, alis subhyalinis.* (Alarum longitudo, $1\frac{2}{3}$ — $1\frac{1}{4}$ lin.)

July; grass in fields; near London.

Sp. 28. Misc. cinctipes. Fem. *Viridi-ænea, abdomine cyaneo-viridi, antennis nigris, pedibus fuscis, femoribus viridibus, alis subhyalinis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)

July; grass in fields; near London.

Sp. 29. Misc. nigro-ænea. Fem. *Ænea, abdomine nigro, antennis nigris, pedibus fuscis, alis subfuscis.* (Alarum longitudo, $1\frac{1}{4}$ lin.)

September; Isle of Wight.

- Sp. 30. Misc. convexa. Mas. *Æneo-viridis, antennis nigris, quàm M. annulipedis gracilioribus, pedibus rufis, fusco cingulatis, alis subfuscis.* (Alarum longitudo, $1\frac{1}{4}$ lin.)
May; Southampton.
- Sp. 31. Misc. apicalis. Fem. *Cyaneo-viridis, abdomine æneo-viridi, antennis nigris, pedibus rufis, nigro et fusco cingulatis, alis subfuscis.* (Alarum longitudo, 1 lin.)
August; grass in fields; near London.
- Sp. 32. Misc. tumida. Fem. *Æneo-viridis, antennis nigris, pedibus fuscis, alis subfuscis.* (Alarum longitudo, $1\frac{1}{4}$ lin.)
August; grass beneath trees; near London.
- Sp. 33. Misc. tristis. Fem. *Obscurè viridis, antennis nigris, pedibus rufis, fusco cingulatis, alis fuscis.* (Alarum longitudo, $1\frac{1}{2}$ lin.)
New Lanark, Scotland.
- Sp. 34. Misc. dissimilis. Mas et Fem. *Viridis mas, aut æneo-viridis fem., antennis fuscis, pedibus rufis, fusco cingulatis, alis subfuscis.* (Alarum longitudo, 1— $1\frac{1}{4}$ lin.)
August; grass in fields; near London.
- Sp. 35. Misc. semiaurata. Mas et Fem. *Aureo-viridis, abdomine æneo-viridi, antennis fuscis, pedibus flavis, fusco cingulatis, alis pallidè flavescensibus.* (Alarum longitudo, 1— $1\frac{1}{4}$ lin.)
August; grass in fields; near London. New Lanark, Scotland.
- Sp. 36. Misc. costalis. Mas. *Cyaneo-viridis, abdomine æneo-cyaneo, antennis fuscis, pedibus flavis, fusco-cingulatis, alis fuscis.* (Alarum longitudo, 1 lin.)
July; grass in fields; near London.
- Sp. 37. Misc. philochortoides. Mas. *Æneo-viridis, capite inter oculos impresso, abdomine æneo, antennis fuscis, pedibus flavis, fusco cingulatis, alis subfuscis.* (Alarum longitudo, $\frac{3}{4}$ lin.)
September; grass in fields; near London.
- Sp. 38. Misc. cyanea. Mas. *Viridi-cyanea, abdomine nigro-cyaneo, antennis fuscis, pedibus flavis, fusco cingulatis,*

alis subfuscis, quàm M. philoch. latioribus. (Alarum longitudo, $\frac{3}{4}$ lin.)

July; grass in fields; near London.

Sp. 39. Misc. brevis. Mas. *Præcedentibus brevior, viridis aut viridi-cænea, abdomine nigro aut cupreo-viridi, antennis fuscis, pedibus flavis, fusco cingulatis, alis subfuscis.* (Alarum longitudo, $\frac{2}{3}$ lin.)

September; grass in fields; near London.

Sp. 40. Misc. contigua. Mas. *Viridis, abdomine cæneo, antennis fuscis, pedibus flavis, fusco cingulatis, alis subhyalinis.* (Alarum longitudo, 1 lin.)

New Lanark, Scotland.

Sp. 41. Misc. linearis. Mas. *Cyaneo-viridis, antennis fuscis, pedibus flavis, fusco cingulatis, alis subfuscis.* (Alarum longitudo, $\frac{3}{4}$ lin.)

Obs.—Præcedenti gracilia; antennæ breviores; alæ angustiores.

August; grass in fields; near London. New Lanark, Scotland.

Sp. 42. Misc. filicornis. Mas et Fem. *Viridi-cyanea mas, aut viridis fem., abdomine nonnunquam viridi-cæneo, antennis fuscis, pedibus flavis, fusco-cingulatis, alis hyalinis.* (Alarum longitudo, $\frac{3}{4}$ —1 lin.)

August; grass in fields; near London.

Sp. 43. Misc. femorata. Fem. *Viridis, antennis nigris, pedibus rufis, fusco-cingulatis, alis hyalinis, stigmatе minimo.* (Alarum longitudo, 1— $1\frac{1}{8}$ lin.)

August; grass in fields; near London.

GENUS XIII. MICROMELUS,^c Walker.

Caput præsertim in *maribus* magnum, thorace latius: oculi mediocres: *maris* antennæ 13-articulatæ, extrorsum crassiores; articulus 1^{us}. elongatus; 2^{us}. elongato-cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. minutus; 6^{us}. et 4 sequentes æquales, lineares; clava triarticulata, elongato-ovata, apice conica, articulis 9°. et 10°. æqualis: *fem.* antennæ subclavatæ; articulus ultimus setiformis: mandibulæ arcuatæ; una tridentata; altera quadridentata: maxillæ elongatæ, angustæ: palpi maxillares triarticulati,

^c μικρός parvus, μέλος membrum.

breves, filiformes; articulus 1^{us}. brevis; 2^{us}. longior; 3^{us}. 2°. longior, acuminatus: mentum elongatum, angustum, posticè conicum: labium breve, anticè rotundatum: palpi labiales 2-articulati, breves: thorax ovatus: prothorax parvus: mesothoracis scutum breve, suturæ vix conspicuæ; scutellum magnum, latum; paraptera magna: metathoracis scutellum magnum: petiolus brevissimus: *maris* abdomen latum, ferè rotundum, supra minimè convexum, subtus planum; segmentum 2^{um}. elongatum; 3^{um}. brevius; sequentia brevissima: *fem.* abdomen ovatum, supra convexum, subtus carinatum; pedes graciles; tibiæ rectæ.

Sp. 1. Micr. rufo-maculatus. Mas et Fem. *Viridis aut viridi-æneus, abdominis disco rufo, antennis fuscis, pedibus rufis, alis subfuscis aut hyalinis.* (Alarum longitudo, $\frac{2}{3}$ —1 lin.)

June; grass in fields; near London. New Lanark, Scotland.

Sp. 2. Micr. pyrrhogaster. Mas et Fem. *Viridis aut viridi-æneus, abdomine rufo, apice nigro, antennis fuscis, pedibus rufis, alis vix ullis.* (Corporis longitudo, $\frac{1}{2}$ —1 lin.)

Pteromalus pyrrhogaster. *Haliday. Curtis' Guide.*

Grass in fields; throughout the year; near London. New Lanark, Scotland.

GENUS XIV. ISOCYRTUS,^f Walker.

Caput magnum, thorace multò latius: oculi mediocres: antennæ 12-articulatæ, subclavatæ, thorace breviores; articulus 1^{us}. vix elongatus; 2^{us}. cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes ad 10^{um}. æquales; clava triarticulata, elongata, apice conica, articulis 8°. et 9°. paullò longior: thorax elongatus: prothoracis scutellum mediocre: mesothoracis scutum magnum, suturæ laterales indistinctæ; paraptera et epimera benè determinata; scutellum magnum, convexum: metathoracis scutellum conspicuum, supra carinatum: petiolus brevis: abdomen elongato-ovatum, supra depressum, subtus carinatum, apice acuminatum; segmenta 2^{um}. et 3^{um}. magna; sequentia parva: pedes subæquales, graciles; tibiæ rectæ.

^f Ἴσος æqualis, κυρτός curvus.

Sp. 1. Isoc. lætus. Fem. *Viridis, abdomine purpureo, antennis nigro-fuscis, pedibus flavis, alis subhyalinis.* (Alarum longitudo, $1\frac{3}{4}$ lin.)

August; grass in fields; near London.

GENUS XV. SPANIOPUS,⁸ *Walker.*

Caput mediocre, thorace latius: oculi mediocres: antennæ 13-articulatæ, extrorsum crassiores; articulus 1^{us}. elongatus; 2^{us}. cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes ad 10^{um}. subæquales; clava triarticulata, elongata, apice acuminata, articulis 9^o. et 10^o. longior: thorax elongato-ovatus: prothoracis scutellum parvum: mesothoracis scutum magnum; suturæ laterales satis conspicuæ; paraptera et epimera majusecula; scutellum convexum, ovatum: metathoracis scutellum magnum: petiolus brevissimus: abdomen breve, ovatum, supra depressum; segmentum 2^{um}. magnum; 3^{um}. mediocre; sequentia parva: pedes graciles; tibiæ rectæ, intermedie apice incrassatæ.

Sp. 1. Span. dissimilis. Mas. *Aureo-viridis, antennis fuscis, pedibus stramineis, alis flavotinctis.* (Alarum longitudo, 1 lin.)

August; grass in fields; near London.

ART. LVIII.—*Abstract of M. Straus-Dürckheim's "Considerations Générales sur l'Anatomie Comparée des Animaux Articulés."* By EDWARD DOUBLEDAY, ESQ.

(Continued from p. 283.)

"Quelle admirable structure, quelle sagesse, quelle toute-puissance dans le moindre objet sorti des mains du Créateur!"

PART. I.—TEGUMENTARY SYSTEM.

SECTION I.

IN all the *Annelida*, and in the greater part of the larvæ of insects, the skin still preserves that flexibility which it possesses in the *Vertebrata*; consequently, the skeleton being wanting, their bodies are soft and more or less cylindrical, and their motions confined to crawling or swimming; but Nature, wishing to introduce in the more perfect articulated animals many of the functions of the *Vertebrata*, has, by increasing the proportion of earthy substances in the skin, given it nearly the consistence of bone, whilst, by means of

⁸ σπάνιος rarus, ποῦς pes.