

I.—*A Catalogue of the Insects of Northumberland and Durham*
(Part ii.) By JAMES HARDY, and THOMAS JOHN BOLD.

[Presented, at the Anniversary Meeting, March 1, 1850.]

STIRPS 3. BRACHELYTRA, *Latr.*

FAMILY 1. STAPHYLINIDÆ, *Leach.**

SUB-FAMILY 1. STAPHYLINIDES, *Mannerheim.*

SECTION 1. STAPHYLININI GENUINI, *Erichson.*

119. STAPHYLINUS, *Linnæus.*

SUB-G. CREOPHILUS, *Kirby.*

1. S. MAXILLOSUS, *Linn.*

Gyll. Ins. Suec., ii., 279.—*Erichson, Gen. et Spec. Staph.*, 348.—*Hardy, Ber. Club Proc.*, ii., 235.—*Creophilus maxillosus, Steph. Illust., Mand.*, v., 202.

Abundant in carcasses, &c., and on the coast under decaying sea-weed.

SUB-G. TRICHODERMA, *Stephens.*

2. S. NEBULOSUS, *Fab.*

Gyll. Ins. Suec., ii., 282.—*Steph. Illust., Mand.*, v. 204.—*Erichson, Gen. et Spec. Staph.*, 360.—*Trichoderma nebulosum, Steph. Manual*, No. 3051.

Rather rare: "Twizell."—*P. J. Selby, Esq.* Long Benton and Jesmond, in May; and in Fungi at Gibside, in September.—*T. J. B.* Winlaton Mill and Marsden, in June.—*J. H.*

According to Mr. Westwood, *Trans. Ent. Soc. Lon.*, iv., 45, this, and not the following species, is the *Staphylinus murinus* of the Linnæan cabinet.

3. S. MURINUS, *Fab.*

Gyll. Ins. Suec., ii., 283.—*Steph. Illust., Mand.*, v. 205.—*Erichson, Gen. et Spec. Staph.*, 361.—*Trichoderma murinum, Steph. Manual*, No. 3052.

Rare: "Twizell."—*P. J. Selby, Esq.* "Durham."—*Ornsby's Durham.* Gibside, in June.—*J. H.* Mr. John Hancock has also specimens taken within the district.

* By J. Hardy.

4. *S. PUBESCENS*, *De Geer*.

Gyll. Ins. Suec., ii., 284.—*Steph. Illust., Mand.*, v., 205.—*Curt. Brit. Ent. pl.*, 758.—*Erichson, Gen. et Spec., Staph.*, 372.—*Hardy, Ber. Club Proc.*, ii., 235.—*Trichoderma pubescens, Steph. Manual*, No. 3053.

Of frequent occurrence. Black Fell.—*Mr. A. Hancock*. Gosforth, Long Benton, Ravensworth, Gibside; and very common on the sea-coast near South Shields, Marsden, and the vicinity of Hartlepool, in April.

It feeds upon Aphodii, Tachini, and other coprophageous insects.

SUB-G. STAPHYLINUS.

5. *S. CÆSARIUS*, *Cederheim*.

Erichson, Gen. et Spec. Staph., 378.—*Heer, Fn. Col. Helv.*, i., 250.—*Staphylinus erythropterus, Gyll. Ins. Suec.*, ii., 293.—*Steph. Illust., Mand.*, v., 205.

Rare: "Twizell."—*P. J. Selby, Esq.* Gibside, and near Bensham.—*J. H. Woods* above Gibside.—*T. J. B.* June.

6. *S. ERYTHROPTERUS*, *Linn.*

Erichson, Gen. et Spec. Staph., 377.—*Heer, Fn. Col. Helv.*, i., 251.—*Hardy, Ber. Club Proc.*, ii., 236.—*Staphylinus castanopterus, Grav. Micr.*, 10.—*Gyll. Ins. Suec.*, ii., 295.—*Steph. Illust., Mand.*, v., 206.

Not unfrequent. "Twizell."—*P. J. Selby, Esq.* Black Fell.—*Mr. A. Hancock*. Dunston, Bensham, Gibside, Gateshead Fell, Ravensworth, &c.

It usually appears in May, but in the Ravensworth woods, it has occurred under bark as early as January 27.

7. *S. STERCORARIUS*, *Oliv.*

Gyll. Ins. Suec., ii., 296.—*Steph. Illust., Mand.*, v., 206.—*Erichson, Gen. et Spec. Staph.*, 380.—*Hardy, Ber. Club Proc.*, ii., 236.

"Twizell."—*P. J. Selby, Esq.* Newcastle.—*Mr. Albany Hancock*. Sunderland.—*Mr. W. Peacock*.

8. *S. LATEBRICOLA*, Grav.

Erichson, Gen. et Spec. Staph., 382.—*Heer, Fn. Col. Helv.*, i., 252.—*Hardy, Ber. Club. Proc.*, ii., 236.—*Staphylinus æriceps, Steph. Illust., Mand.*, v., 206.

Taken at Twizell by *P. J. Selby, Esq.*

120. *OCYPUS*, Kirby.SUB-G. *GOERIUS*, Leach.1. *O. OLENS*, Müll.

Erichson, Gen. et Spec. Staph., 405.—*Hardy, Ber. Club Proc.*, ii., 237.—*Staphylinus olens, Gyll. Ins. Suec.*, ii., 286.—*Goërius olens, Steph. Illust., Mand.*, v., 208.

Common on the sea coast, and elsewhere, especially in autumn.

2. *O. BRUNNIPES*, Fab.

Erichson, Gen. et Spec. Staph., 410.—*Hardy, Ber. Club Proc.*, ii., 237.—*Staphylinus brunnipes, Gyll. Ins. Suec.*, ii., 289.—*Steph. Illust., Mand.*, v., 207.

Not uncommon. "Twizell."—*P. J. Selby, Esq.* Prestwick Car, Long Benton, Boldon, Marsden. April—August.

3. *O. FUSCATUS*, Grav.

Erichson, Gen. et Spec. Staph., 411.—*Hardy, Ber. Club Proc.*, ii., 237.—*Staphylinus morio, Gyll. Ins. Suec.*, ii., 228.—*Goërius Morio, Steph. Illust., Mand.*, v., 209.—*Staphylinus Cantianus, Kirby, Steph. l.c.*, v., 207.—*Goërius confinis, Kirby, Ib. l.c.*, v., 211.—*Staphylinus semipolitus, Holme, Trans. Ent. Soc. Lond.*, iii., 118.

Rare: In decayed wood, near Axwell Park, and on the sand links near South Shields.—*T. J. B.* Under stones near Marsden.—*J. H.* April.

Staphylinus punctulatus, of Marsham, cited in the Berwickshire Club's Proceedings, after Gyllenhal and Erichson, as a synonyme of this species, appears rather to be *Ocypus similis* of Fabricius.

4. *O. CUPREUS*, Rossi?

Erichson, Gen. et Spec. Staph., 412?—*Heer, Fn. Col. Helv.*, i., 255?—*Staphylinus aeneocephalus, Steph. Illust., Mand.*

v., 207 ?—*Wils. and Dunc, Ent. Edinensis*, 311 !—*Ocypus picipennis*, *Hardy, Ber. Club Proc.*, ii., 238.

Common on the coast, and in dry upland situations, in spring and autumn.

When describing this species in the Berwickshire Club's Proceedings, I mentioned circumstances in which I could not reconcile it with Erichson's description of *O. picipennis*. Having, through the kindness of the Rev. W. Little, obtained the sight of a French example of *O. picipennis*, I am now able, in some measure, to rectify my error. There still, however, exists some discrepancy, which cannot be removed without specimens; from none of the descriptions of *O. cupreus*, nor of *Staphylinus aeneicollis*, with which it is synonymous, mentioning the bronzed elytra, nearly concolorous with the head and thorax. It stands in probably the most of British collections as *Staphylinus aeneocephalus*.

SUB G. TAsGIUS, *Leach*.

5. *O. ATER*, *Grav*.

Erichson, Gen. et Spec. Staph., 416.—*Hardy, Ber. Club Proc.*, ii., 239.—*Staphylinus fuscatus*, *Gyll. Ins. Suec.*, iv., 474.—*Goërius fuscatus*, *Steph. Illust., Mand.*, v., 210.—*Goërius Kirbii*, *Leach, Steph., l.c.*, v., 210 ?—*Tasgius confinis*, *Curt. Brit. Ent.*, fol. 438.

Rare. On the sand banks near Hartley, in September, and at the foot of the cliffs at Tynemouth Castle, in August.—*T. J. B.*

SUB-G. ANODUS, *Nordmann*.

6. *O. MORIO*, *Grav*.

Erichson, Gen. et Spec. Staph., 417.—*Hardy, Ber. Club Proc.*, ii., 239.—*Staphylinus Morio*, *Gyll. Ins. Suec.*, iv., 373.—*Ocypus similis*, *Steph. Illust., Mand.*, v., 211.—*O. picipes*, *Steph., l.c.*, v., 212.—*O. angustatus*, *Kirby, Ib., l.c.*, v. 212. (*mas*)—*Emus angustatus*, *Boisd. et Lacord. Faun. Ent. Paris*, i., 369.

Not uncommon on the coast, and in dry inland pastures and heaths. "Twizell."—*P. J. Selby, Esq.* Coast near Monkshouse, Hartley, Whitley, South Shields, Gateshead Fell, Cleadon Hills, &c. April—September.

121. PHILONTHUS, *Leach*.1. P. LAMINATUS, *Creut.*

Steph. Illust., Mand., v., 226.—*Erichson, Gen. et Spec. Staph., 430.*—*Hardy, Ber. Club Proc., ii., 240.*—*Staphylinus laminatus, Gyll. Ins. Suec., ii., 298.*—*Philonthus æneus, Steph. Illust., Mand., v., 227.*—*Ph. coxatus, Curt. Brit. Ent., fol. 610 (immaturus).*

Generally distributed. March—October.

2. P. CHALCEUS, *Steph.*

Steph. Illust., Mand., v., 227.—*Staphylinus intermedius, De Jean, Boisd. et Lacord. Faun. Ent. Paris, i., 338.*—*Philonthus intermedius, Erichson, Gen. et Spec. Staph., 429.*

Var. With the oblique punctures on each side of the disk of the thorax placed nearly in a line.

Philonthus æratus, Kirby, Steph. Illust., Mand., v. 228.

A single specimen of the variety was taken near Hartlepool, in April. It is a male, and has the head and thorax minutely punctulate as in *Ph. laminatus*, and *Ph. scutatus*, and the fourth abdominal segment beneath is prolonged at the apex, as in the males of those species.—*J. H.*

3. P. SPLENDENS, *Fab.*

Steph. Illust., Mand., v., 227.—*Erichson, Gen. et Spec. Staph., 429.*—*Hardy, Ber. Club Proc., ii., 240.*—*Staphylinus splendens, Gyll. Ins. Suec., ii., 297.*

Common.

4. P. ÆNEUS, *Rossi.*

Erichson, Gen. et Spec. Staph., 437.—*Steph. Manual, No. 3133.*—*Hardy, Ber. Club Proc., ii., 240.*—*Staphylinus æneus, Gyll. Ins. Suec., ii., 314.*—*Philonthus puncticollis, Kirby, Steph. Illust., Mand., v. 228.*—*Philonthus politus, Steph. l.c., v., 228.*

Under garden refuse, &c. Abundant.

5. P. CARBONARIUS, *Gyll.*

Philonthus carbonarius, Erichson, Gen. et Spec. Staph., 437.—*Steph. Manual, No. 3134.*—*Heer, Fn. Col. Helv., i., 259.*—

Staphylinus carbonarius, *Gyll. Ins. Suec.*, ii., 310.—

Philonthus microcephalus, *Steph. Illust., Mand.*, v. 229.

Rare. "Twizell."—*P. J. Selby, Esq.* Long Benton.—*T. J. B.* Ravensworth woods.—*J. H.*

This very much resembles females of *Ph. æneus*, but the sides of the thorax are more slightly impressed, the elytra are of a deeper green, and the abdomen above is more distinctly, and by no means so thickly punctate, nigro-pubescent, metallico-versicolorous. The anterior tarsi are simple in both sexes. Gyllenhal's name was given to a variety, which has not occurred within the district, but Erichson has adopted it to designate the typical representatives of the species.

6. *P. SCUTATUS*, *Erich.*

Erichson, Gen. et Spec. Staph., 438.—*Hardy, Ber. Club Proc.*, ii., 241.—*Philonthus cognatus*, *Steph. Illust., Mand.*, v., 229.—*Ph. lucens*, *Ib., Manual*, No. 3136.

Under stones, and in moss. "Twizell."—*P. J. Selby, Esq.* Long Benton, and elsewhere.—*T. J. B.* Ravensworth woods.—*J. H.* It is a perennial insect.

7. *P. DECORUS*, *Grav.*

Steph. Illust., Mand., v., 230.—*Erichson, Gen. et Spec. Staph.*, 442.—*Hardy, Ber. Club Proc.*, ii., 241.—*Staphylinus decorus*, *Gyll. Ins. Suec.*, ii., 241.

In moss in woods. Common. April—October.

8. *P. POLITUS*, *Fab.*

Erichson, Gen. et Spec. Staph., 443.—*Steph. Manual*, No. 3135.—*Hardy, Ber. Club Proc.*, ii., 242.—*Staphylinus politus*, *Gyll. Ins. Suec.*, ii., 317.—*Philonthus maculicornis*, *Kirby, Steph. Illust. Mand.*, v., 229.—*Ph. melanopterus*, *Wilkin, Ib., l.c.*, v., 229.

Common : on the coast near Monkshouse, and among moss in woods.

9. *P. MARGINATUS*, *Fab.*

Steph. Illust. Mand., v., 233.—*Curt. Brit. Ent. pl.* 610.—*Erichson, Gen. et Spec. Staph.*, 444.—*Hardy, Ber. Club*

Proc., ii., 242.—*Staphylinus marginatus*, *Gyll. Ins. Suec.*, ii., 322.

Common.

10. *P. UMBRATILIS*, *Grav.*

Erichson, Gen. et Spec. Staph., 445.—*Heer. Fn. Col. Helv.*, i., 261.—*Hardy, Ber. Club Proc.*, ii., 242.—*Staphylinus subfuscus*, *Gyll. Ins. Suec.*, ii., 236.—*Philonthus subfuscus*, *Steph. Illust. Mand.*, v., 233.

Not Common. "Twizell."—*P. J. Selby, Esq.* Budle Crag, and banks of Wooler Water, below Langleyford. Hartlepool and South Shields.—*J. H.* On a hot bed, Long Benton.—*T. J. B.* April—September.

11. *P. VARIUS*, *Gyll.*

Erichson, Gen. et Spec. Staph., 447.—*Steph. Manual*, No. 3141.—*Hardy, Ber. Club Proc.*, ii., 242.—*Staphylinus varius*, *Gyll. Ins. Suec.*, ii., 321.—*Philonthus carbonarius*, *Steph. Illust. Mand.*, v. 230.—*Ph. chalcopterus*, *Marsh. Ib., l.c.*, 231.—*Ph. picipes*, *Kirby, Ib., l.c.*

Common, in moss and under stones. March—October.

12. *P. ALBIPES*, *Grav.*

Erichson, Gen. et Spec. Staph., 449.—*Heer, Fn. Col. Helv.*, i., 261.—*Hardy, Ber. Club Proc.*, ii., 242.—*Staphylinus albipes*, *Gyll. Ins. Suec.*, ii., 327.—*Philonthus nitens*, *Steph. Illust. Mand.*, v., 236 ?—*Quedius caliginosus*, *Ib., l.c.*, v., 223.

Rare. "Twizell."—*P. J. Selby, Esq.* Long Benton.—*T. J. B.* In a field near Swalwell.—*J. H.* April.

In Mr. Bold's examples, the legs are more testaceous than mine but they do not come up to the bright colour observable in continental specimens. The same remark is applicable to British specimens of *Philonthus fulvipes*, and *Ph. inquinatus*, Kirby (*Ph. rubidus*, Erich.), in which the legs and the base of the antennæ are usually duskier than descriptions would lead us to expect

13. *P. XANTHOLOMA*, *Grav.*

Erichson, Gen. et Spec. Staph., 452.—*Hardy, Ber. Club Proc.* ii., 243.—*Staphylinus xantholoma*, *Gyll. Ins. Suec.*, ii.,

323.—*Cafius xantholoma*, *C. lateralis*, *C. littoralis*, et *C. tessellatus*, *Steph. Illust., Mand., v.*, 246. 247.

Beneath sea-weed on the coast, very abundant Feb.—Oct.

14. *P. FUCICOLA*, *Leach.*

Erichson, Gen. et Spec. Staph., 454.—*Hardy, Ber. Club Proc.*, ii., 243.—*Cafius Fucicola*, *Curt. Brit. Ent.* pl. 322.—*Steph. Manual*, No. 3172.

Beneath sea-weed at Marsden.—*J. H.* May.

15. *P. CEPHALOTES*, *Grav.*

Erichson, Gen. et Spec. Staph., 455.—*Heer, Fn. Col. Helv.* i., 263.—*Hardy, Ber. Club Proc.*, ii., 245.—*Staphylinus cephalotes*, *Gyll. Ins. Suec.*, ii., 320.—*Bisnius cephalotes*, *Staph. Illust., Mand.*, v., 247.—*Bisnius rotundiceps*, *Kirby, Steph., l.c.*, v., 248.

Coast at Hartlepool, and in Ravensworth woods.—*J. H.* In a cellar at Newcastle, also at Long Benton.—*T. J. B.* April.

16. *P. FIMETARIUS*, *Grav.*

Steph. Illust., Mand., v. 232.—*Erichson, Gen. et Spec. Staph.*, 456.—*Hardy, Ber. Club Proc.*, ii., 245.—*Staphylinus fimetarius*, *Gyll. Ins. Suec.*, ii., 324.—*Philonthus lucidus*, *Steph. Illust., Mand.*, v. 232.

Not unfrequent in garden refuse; under dead birds, &c. "Twizell."—*P. J. Selby, Esq.* Coast at Hartlepool and South Shields, Ravensworth, and Swalwell, and at Long Benton. March—September.

When first exposed to view, it often grasps some neighbouring object with its mandibles, and remains perfectly quiescent and deadlike; till, finding everything still, it suddenly rushes off, and disappears.

17. *P. SORDIDUS*, *Grav.*

Steph. Illust., Mand., v. 233.—*Erichson, Gen. et Spec. Staph.*, 456.—*Hardy, Ber. Club Proc.*, ii., 245.—*Staphylinus sordidus*, *Gyll. Ins. Suec.*, ii., 326.

Not Common. "Twizell."—*P. J. Selby, Esq.* Hartlepool, South Shields, Marsden, Ravensworth, Long Benton, Budle Crag, and coast near Shoreston. April—September.

18. *P. SANGUINOLENTUS*, Grav.

Steph. Illust., Mand., v., 238.—*Erichson, Gen. et Spec. Staph., 467.*—*Hardy, Ber. Club Proc., ii., 246.*

Rare. "Twizell."—*P. J. Selby, Esq.* Near Tynemouth, and at Long Benton.—*T. J. B.* June.

19. *P. BIPUSTULATUS*, Panz.

Steph. Illust., Mand., v., 238.—*Erichson, Gen. et Spec. Staph., 468.*—*Staphylinus bipustulatus, Gyll. Ins. Suec., ii., 339.*

A single specimen was taken on the links at Hartlepool, in April.—*J. H.*

20. *P. VARIANS*, Payk.

Erichson, Gen. et Spec. Staph., 470.—*Hardy, Ber. Club Proc., ii., 246.*—*Staphylinus opacus, Gyll. Ins. Suec., ii., 340.*—*Philonthus lituratus, Kirby, Steph. Illust., Mand., v., 238.*—*Ph. aciculatus, Ib., l.c., v., 238.*

Var. a. Larger, entirely deep black, except the anterior coxæ, which are testaceous.

Staph. aterrimus, Marsh. Ent. Brit., i., 513.—*Philonthus aterrimus Steph. Illust., Mand., v., 235.*

Var. b. With the legs fuscous.

Philonthus punctiventris, Kirby, Steph. Illust., Mand., v., 235.—*Ph. opacus, Ib., l.c., v., 236.*

Var. c. With the underside of the first joint of the antennæ testaceous or piceous.

Philonthus obscuripennis, Kirby, Steph., Illust., Mand., v., 237.—*Ph. longicornis, Kirby, Steph., l.c.*

Var. d. Black, immaculate.

Philonthus intaminatus, Kirby, Steph. Illust., Mand., v., 235.

Var. e. Black, elytra fuscous, with the tip ferruginous, legs fuscous, excepting the testaceous anterior coxæ.

Staphylinus agilis, Grav. Mon., 77.—*Gyll. Ins. Suec., ii., 341.*—*Philonthus agilis, Steph. Illust., Mand., v., 237.*—*Gabrius suaveolens, Kirby, Steph., l.c., v., 249?*

Generally distributed. "Twizell."—*P. J. Selby, Esq.* Sea coast near Bamburgh, Wooler, Long Benton, Ravensworth, Gibside, South Shields, Hartlepool, &c. March—July.

21. *P. VENTRALIS*, Grav.

Steph. Illust. Mand., v., 237.—*Erichson, Gen. et Spec. Staph.*, 473.—*Hardy, Ber. Club Proc.*, ii., 247.—*Staphylinus ventralis*, *Gyll. Ins. Suec.*, ii., 334.

Not common. On a hot-bed, Long Benton.—*T. J. B.* Budle Crag, and Hartlepool—*J. H.* April—September.

22. *P. DISCOIDEUS*, Grav.

Erichson, Gen. et Spec. Staph., 474.—*Heer, Fn. Col. Helv.*, i., 268.—*Hardy, Ber. Club Proc.*, ii., 248.—*Staphylinus discoideus*, *Gyll. Ins. Suec.*, ii., 331.—*Quedius discoideus*, *Steph. Manual*, No. 3109.—*Q. suturalis*, *Steph. Illust.*, *Mand.*, v., 224.

In garden refuse, &c., not rare. Long Benton, Ravensworth, and Gibside. Sea-coast at Budle, Bamburgh, Hartley, Whitley, South Shields, and Marsden. April—September.

23. *P. SPLENDIDULUS*, Grav.

Erichson, Gen. et Spec. Staph., 478.—*Heer, Fn. Col. Helv.*, i., 269.—*Staphylinus splendidulus*, *Gyll. Ins. Suec.*, ii., 348.—*Staphylinus nanus*, *Grav. Mon.*, 96.—*Gyll. Ins. Suec.*, ii., 347.—*Gabrius nanus*, *Steph. Illust.*, *Mand.*, v., 251.—*Gabrius albipes*, *Ib.*, *l.c.*, v., 252.

Three specimens taken at Long Benton.—*T. J. B.* June—September.

24. *P. MICANS*, Grav.

Steph. Illust., *Mand.*, v., 240.

“Twizell.”—*P. J. Selby, Esq.* In a dried-up marsh near Dunstanborough Castle. June.—*J. H.*

25. *P. FULVIPES*, Fab.

Erichson, Gen. et Spec. Staph., 485.—*Heer, Fn. Col. Helv.*, i., 270.—*Hardy, Ber. Club Proc.*, ii., 248.—*Staphylinus fulvipes*, *Gyll. Ins. Suec.*, ii., 343.—*Philonthus rubripennis*, *Kirby, Steph. Illust.*, *Mand.*, v., 239.

On the borders of gravelly brooks. “Twizell.”—*P. J. Selby, Esq.* Wooler Water.—*J. H.*

26. *P. ATERRIMUS*, Grav.

Erichson, Gen. et Spec. Staph., 492.—*Heer, Fn. Col. Helv.*, i., 271.—*Hardy, Ber. Club Proc.*, ii., 249.—*Staphylinus aterrimus, Gyll. Ins. Suec.*, ii., 349.—*Gabrius aterrimus, Steph. Illust., Mand.*, v., 250.—*Gabrius pallipes, Kirby, Steph., l.c.*, v., 250.

In moist situations, rather rare. "Twizell."—*P. J. Selby, Esq.* Shoreston, Wooler, Cramlington, Long Benton, Gibside, Ravensworth, South Shields, Marsden, Hartlepool. March—September.

27. *P. MINAX*, Kirby.

Steph. Illust., Mand., v., 241 (*mas.*)—*Philonthus Watsoni, Kirby, Steph., l.c., (foem.)*—*Ph. impressicollis, Steph., l.c.*, v., 436, (*var.*)—*Bisnius puncticollis, Howitt, Steph., l.c.*, v., 439 (*mas.*)—*Philonthus parumpunctatus, Erichson, Gen. et Spec. Staph.*, 499.—*Hardy, Ber. Club Proc.*, ii., 249. *Staphylinus punctus, Gyll. Ins. Suec.*, ii., 346.

"Twizell"—*P. J. Selby, Esq.* Budle Crag and Hartlepool.—*J. H. Prestwick Car and Long Benton.—T. J. B.* April—July.

122. *QUEDIUS*, Leach.1. *Q. LATERALIS*, Grav.

Steph. Illust., Mand., v., 216.—*Erichson, Gen. et Spec. Staph.*, 525.—*Hardy, Ber. Club Proc.*, ii., 251.—*Microsaurus lateralis, Curt. Brit. Ent.*, pl., 638.—*Steph. Manual*, No. 3082.—*Philonthus lateralis, Heer, Fn. Col. Helv.*, i., 273.

"Twizell."—*P. J. Selby, Esq.*

2. *Q. FULGIDUS*, Fab.

Erichson, Gen. et Spec. Staph., 525.—*Hardy, Ber. Club Proc.*, ii., 251.

Var. a. Black, with elytra concolorous.

Staphylinus nitidus, Grav. Micr., 31.—*Quedius nitidus, Steph. Manual*, No. 3087.—*Staphylinus variabilis, Gyll. Ins. Suec.*, ii., 303.—*Quedius variabilis, Steph. Illust. Mand.*, v., 218.—*Philonthus variabilis, Heer, Fn. Col. Helv.*, i., 273.

Var. b. Black, with elytra red, the legs, arms, and margins of the abdominal segments often rufo-piceous.

Staphylinus fulgidus, *Fab. Syst. El.*, ii., 596.—*Philonthus fulgidus*, *Heer, Fn. Col. Helv.*, i., 273.—*Quedius hæmopterus*, *Kirby, Steph. Illust., Mand.*, v., 217.—*Q. hæmorrhous*, *Kirby, Steph. l.c.*—*Q. rufitarsis*, *Marsh. Steph., l.c.*, v., 220.—*Emus floralis*, *Boisd. et Lacord. Faun., Ent. Paris*, i., 380.

In cellars, and under refuse near houses, and in shady woods. Newcastle, Sunderland, Long Benton, Ravensworth. April—October.

3. *Q. IMPRESSUS*, *Panz.*

Steph. Illust., Mand., v., 219.—*Erichson, Gen. et Spec. Staph.*, 530.—*Hardy, Ber. Club Proc.*, ii., 252.—*Staphylinus impressus*, *Gyll. Ins. Suec.*, ii., 307.

Not uncommon. February.—November.

4. *Q. MOLCCHINUS*. *Grav.*

Wils. and Dunc., Ent. Edinensis, 314.—*Erichson, Gen. et Spec. Staph.*, 535.—*Hardy, Ber. Club Proc.*, ii., 253.—*Staphylinus molochinus*, *Gyll. Ins. Suec.*, ii., 302.—*Quedius picipennis*, *Steph. Illust., Mand.*, v., 216.

In moss, and beneath stones; not very frequent. "Twizell."—*P. J. Selby, Esq.* Summit of Hedgehope (2,347 feet), Long Benton, Dunston, Ravensworth, Gateshead Fell, Marsden.

When immature, the elytra are of a bright pale red, like that of *Var. b.* of *Q. fulgidus*; but in this species they are much more punctate. The scutellum is also punctate, and the thorax is wider than the elytra, the sides not obliquely impressed.

5. *Q. FRONTALIS*, *Nordm.*

Erichson, Gen. et Spec. Staph., 536.—*Hardy, Ber. Club Proc.*, ii., 253.—*Quedius tristis*, *Steph. Illust., Mand.*, v., 215.—*Emus tristis*, *Boisd. et Lacord. Faun. Ent. Paris*, i., 376.

Common in dry fields.

6. Q. FULIGINOSUS, *Grav.*

Erichson, Gen. et Spec. Staph., 537.—*Hardy, Ber. Club Proc.*, ii., 253.—*Staphylinus tristis, Gyll. Ins. Suec.*, ii., 301.—*Quedius picicornis, Kirby, Steph. Illust., Mand.*, v., 215.—*Q. gracilis, Steph., l.c.*

Common in damp woods, &c., throughout the season.

7. Q. PICIPES, *Mannerh.*

Erichson, Gen. et Spec. Staph., 537.—*Steph. Manual*, No. 3084. — *Hardy, Ber. Club Proc.*, ii., 253. — *Quedius pyrrhopus, Kirby, Steph. Illust., Mand.*, v., 228.—*Philonthus gracilicornis, Heer., Fn. Col., Helv.*, i., 274.

In moist woods, and damp situations. Long Benton, Ravensworth, Gibside, Marsden. February—June.

8. Q. RUFICOLLIS, *Kirby.*

Hardy, Ber. Club Proc., ii., 254.—*Raphirus ruficollis, Steph. Illust., Mand.*, v., 244,—*Manual*, No. 3125.

Long Benton.—*T. J. B.* A specimen has also been taken by Mr. Albany Hancock. It usually occurs under moss in fir woods.

9. Q. PELTATUS, *Erich.*

Erichson, Gen. et Spec. Staph., 540.—*Hardy, Ber. Club Proc.*, ii., 255.—*Raphirus attenuatus, Steph. Illust., Mand.*, v., 242.—*Quedius præcox, Erichson, Kaefer der Mark Brand.*, i., 492.—*Philonthus præcox, Heer., Fn. Col. Helv.*, i., 278.

Rare. In marshy situations in the Ravensworth woods, and in the woods above Swalwell.—*J. H.* January—October.

10. Q. SEMIOBSCURUS, *Marsh.*

Hardy, Ber. Club Proc., ii., 255.—*Raphirus semiobscurus, Steph. Illust., Mand.*, v., 241. — *Quedius umbrinus, Erichson, Gen. et Spec. Staph.*, 541. — *Staphylinus maurorufus, Gyll. Ins. Suec.*, ii., 309.

By the marshy margins of rivulets and ditches, not rare. Ravensworth woods, Swalwell, Long Benton. February—March.

11. Q. MAURORUFUS, *Grav.*

Erichson, Gen. et Spec. Staph., 542.—*Hardy, Ber. Club Proc.*, ii., 256.—*Raphirus maurorufus, Steph. Manual*, No. 3116.—*Staphylinus præcox, Gyll. Ins. Suec.*, ii., 310.—*Raphirus præcox, Steph. Illust., Mand.*, v., 245.

In the same situations with the preceding, but rarer. Ravensworth, Gibside, and in the woods above Swalwell.—*J. H.* In moss from Cramlington.—*T. J. B.* In spring.

12. Q. PICIPENNIS, *Steph.*

Hardy, Ber. Club Proc., ii., 256.—*Raphirus picipennis, Steph. Illust., Mand.*, v., 243.—*Quedius semiobscurus, Erichson, Gen. et Spec. Staph.*, 544.

Rare. In moss from Ravensworth woods, and under stones on Gateshead Fell.—*J. H.* Long Benton.—*T. J. B.* February—June.

13. Q. ATTENUATUS, *Gyll.*

Wils. and Dunc., Ent. Edinensis, 315.—*Erichson, Gen. et Spec. Staph.*, 546.—*Hardy, Ber. Club Proc.*, ii., 257.—*Staphylinus attenuatus, Gyll. Ins. Suec.*, ii., 311.—*Raphirus nitipennis, Leach, Steph. Illust., Mand.*, v., 242.

Not common. Ravensworth woods, Dunston, and Gateshead Fell.—*J. H.* January—November.

14. Q. BOOPS, *Grav.*

Erichson, Gen. et Spec. Staph., 548.—*Hardy, Ber. Club Proc.*, 257.—*Staphylinus Boops, Gyll. Ins. Suec.*, ii., 312.—*Raphirus Boops, Steph. Illust., Mand.*, v., 242.

Under stones and among moss. Ravensworth, Swalwell, South Shields, Budle Crag, Homildon Hill, Yeavinger Bell, Hedgehope, &c. March—July.

15. Q. FUSCIPES, *Kirby.*

Niger nitidus; capite thoraceque nigro-æneis; antennis pedibusque fuscis, his geniculus tarsisque ferrugineis; elytris piceo-æneis, sat fortiter crebre punctatis; fronte inter oculos punctis 4 transversalibus impresso; scutello lævissimo. Long. 2 $\frac{3}{4}$ lin.

Raphirus fuscipes, Steph. Illust., Mand., v., 243. — *Ib.*

Manual, No. 3122.—*Raphirus nigricornis*, *Holme, Trans. Ent. Soc. Lond.*, iii., 127?

About the size of large specimens of *Q. Boops*, more of the habit of *Q. attenuatus*; the head less than in *Q. Boops*, and the eyes scarcely prominent. Black, shining; head, thorax, and scutellum polished and shining, nigro-æneous; elytra also shining, piceous, subæneous. Antennæ longer than in *Q. sciutillans*, not quite so long as the head and thorax, slightly thickened towards the apex, third joint scarcely thinner and very slightly longer than the second, the rest gradually shortening, and somewhat thicker, ninth and tenth nearly transverse, the last largest, obliquely truncate and acuminate at the apex beneath; dark fuscous, the basal joint beneath, and the base and apex of the three first joints above ferruginous. Palpi fuscous, apical joint acute. Mouth piceous. Head about the size of that of *Q. attenuatus*, narrower than the thorax, rotundate, rather convex, with four small but deepish punctures placed transversely between the eyes, of which the inner is close on the margin itself, and two larger placed obliquely behind the eyes on each side, of which the largest is nearest the eye; sides behind the eyes extremely finely punctulate. Eyes large, scarcely prominent, nearly in the same arc as the sides of the head. Thorax rather narrower than the elytra, convex, somewhat narrowed, compressed, and deflexed at the anterior angles, the length about equal to its breadth at the base, sides slightly, base and posterior angles strongly rounded; dorsal series of three small oblique punctures, of which the two posterior in each row are placed very near, more approximating than in other species, before the middle of the disk, the anterior smallest, rather approaching the apex, and situated nearer the second, than the first, or all nearly equidistant; then outwards are two minute punctures on each side, placed in a line, and rather apart; then two deep approximating punctures towards the anterior angles, and one within, close upon each angle. Scutellum polished and smooth. Elytra about the length of the thorax, widest towards the apex, slightly convex above, depressed along the suture, more deeply at its apex, strongly, somewhat thickly, but not quite closely punctate, thinly griseous pubescent, shining piceo-æneous,

the apex narrowly more dilute. Abdomen moderate, not the length of the anterior part of the body, narrowed gradually from the base to the apex; rather dull, black, somewhat metallic versicolorous above, thickly and finely punctulate, with a long, rather dense, somewhat shining, griseous pubescence; apex of the fourth and fifth segments above, and the margins of those beneath sometimes obscure ferruginous. Legs fusco-rufescent; femora and tibiæ in the middle fuscescent; their bases and apices narrowly, and the tarsi rufous; anterior tarsi strongly dilated.

Near a dung heap on Budle Crag.—*J. H.* One specimen taken at Long Benton, in April.

The description is taken from the specimen captured at Long Benton, compared with another from Edinburgh. It is quite distinct from *Q. scintillans* described in the Berwickshire Club's Proceedings, ii., 258, to which, following Stephens, it was doubtfully referred. *Raphirus nigricornis*, of Holme, may be a specimen with a pair of the punctures obliterated, or placed out of view.

SECT. 2. STAPHYLININI XANTHOLININI, *Erichson*.

123. OTHIUS, *Leach*.

1. *O. FULVIPENNIS*, *Fab.*

Erichson, Gen. et Spec. Staph., 295.—*Steph. Manual*, No. 3195.—*Staphylinus fulminans*, *Gyll. Ins. Suec.* ii., 357.—*Othius fulgidus*, *Steph. Illust., Mand.*, v., 253.

Common in moss, in woods, and elsewhere.

2. *O. MELANOCEPHALUS*, *Grav.*

Erichson, Gen. et Spec. Staph., 295.—*Steph. Manual*, No. 3199.—*Staphylinus melanocephalus*, *Gyll. Ins. Suec.*, ii., 360.—*Othius angustus*, *Kirby, Steph., Illust., Mand.*, v., 255.

Var. more obscure, the thorax fuscous.

Othius ater, *Steph. Illust., Mand.* v., 255.—*Othius ustulatus*, *Steph. l.c.*

Under moss in woods and barren places; sometimes also under bark. "Twizell."—*P. J. Qelby, Esq.* Budle Crag, Homildon Hill, Hedgehope, Long Benton, Hartley, Ravensworth, Swalwell, Marsden.—February—November.

The dark varieties occur principally in shady fir plantations, and the hill specimens are somewhat larger than those of the lowlands.

3. *O. PILICORNIS*, *Payk.*

Qteph. Illust., Mand., v., 254.—*Erichson, Gen. et Spec. Staph., 296.*—*Staphylinus pilicornis, Gyll. Ins. Suec., ii., 359.*—*O. alternans, Steph. Illust., Mand., v., 254.*—*O. glabricornis, Kirby, Steph., l. c.*

Under bark of trees, especially pines. "Twizell."—*P. J. Selby, Esq.* Whitsunbank Hill, Greencroft, Gosforth, Ravensworth; and once from the sea-coast, at Marsden. February—November.

124. *XANTHOLINUS*, *Dahl.*

1. *X. FULGIDUS*, *Fab.*

Erichson, Gen. et Spec. Staph., 319.—*Steph. Manual, No. 3206.*—*Staphylinus pyropterus, Gyll. Ins. Suec., ii., 356.*—*Gyrophypnus pyropterus, Steph. Illust., Mand., v., 258.*

Rare. Tyneside, and Long Benton, in May.—*T. J. B.*

2. *X. GLABRATUS*, *Grav.*

Erichson, Gen. et Spec. Staph., 319.—*Steph. Manual, No. 3207.*—*Gyrophypnus cruentatus, Steph. Illust., Mand., v., 260.*

Common. Twizell, Long Benton, Shields, Marsden, Hartlepool, &c. April—October.

Monstrous individuals occasionally occur, with the punctures of the head and thorax nearly effaced, and the surface much disfigured. These are usually found under heaps of rubbish, and appear to have acquired this malformation while the imago was in a soft, compressible state, and not free to arrive at its full development.

3. *X. PUNCTULATUS*, *Payk.*

Erichson, Gen. et Spec. Staph., 328.—*Steph. Manual, No. 3209.*—*Staphylinus punctulatus, Gyll. Ins. Suec., ii., 353.*—*Gyrophypnus punctulatus, Steph. Illust., Mand., v., 263.*

Var. Elytra, antennæ, and legs rufo-piceis, or rufo-testaceous, the anus and the margin of the fifth abdominal segment above testaceous.

Staphylinus ochraceus, *Gyll. Ins. Suec.*, ii., 352.—iv., 480.—

Gyrophypnus ochraceus, *Steph. Illust., Mand.*, v., 263.—

Xantholinus ochraceus, *Heer., Fn. Col. Helv.*, i., 245.

Common. The variety is rare, and has occurred at Long Benton, Ravensworth, and Gibside.

Small varieties have the thoracic punctures in the dorsal series multiplied; and those in the lateral arcs are often very numerous. *Xantholinus angustatus*, and *X. quadratus*, *Steph.*, appear to be formed from these diversities. The lighter coloured examples, named *X. ochraceus*, have the difference of colour in their favour, and the head is less triangular, with the posterior angles rather more rounded, than in the type.

4. X. TRICOLOR, *Fab.*

Erichson, Gen. et Spec. Staph., 331.—*Steph. Manual.*, No.

3208.—Gyrophypnus tricolor, *Steph. Illust., Mand.*, v.,

261.—*G. affinis.*—*Ib., l.c.*

Under stones; not common. Long Benton.—*T. J. B.* Near Marsden.—*J. H.* April—July.

5. X. LINEARIS, *Oliv.*

Erichson, Gen. et Spec. Staph., 332.—*Steph. Manual*,

No. 3212.—Gyrophypnus linearis, *Steph. Illust., Mand.*,

v., 261.—Staphylinus longiceps, *Gyll. Ins. Suec.*, ii., 350.—

Gyrophypnus longiceps, *Steph. Illust., Mand.*, v., 262.—

Staphylinus ochraceus, *Grav. Micr.*, 43.—Xantholinus

ochraceus, *Boisd. et Lacord. Faun. Ent. Paris*, i., 416.

Common.

125. LEPTACINUS, *Erichson.*

1. L. PARUMPUNCTATUS, *Gyll.*

Erichson, Gen. et Spec. Staph., 335.—Staphylinus parum-

punctatus, *Gyll. Ins. Suec.*, iv., 481.—Gyrophypnus

parumpunctatus, *Steph. Illust., Mand.*, v., 262.—Gyro-

hypnus semistriatus, *Kirby, Steph., l.c.*

Rather rare. "Twizell."—*P. J. Selby, Esq.* Near a hot bed at Long Benton.—*T. J. B.* September.

2. *L. BATYCHRUS*, *Knoch.*

Erichson, Gen. et Spec. Staph., 335.—*Steph. Manual*, No. 3218.—*Staphylinus batychrus*, *Gyll. Ins. Suec.*, iv., 480.—*Gyrophypnus batychrus*, *Steph. Illust., Mand.*, v., 263.—*Gyrophypnus quadrisulcus*, *Kirby, Steph., l.c.*, v., 264.—*Gyrophypnus diaphanus*, *Marsh., Steph., l.c.*, v., 259.—*Gyrophypnus longicollis*, *Kirby, Steph., l.c.*—*Xantholinus episcopalis*, *Boisd. et Lacord. Faun. Ent. Paris*, i., 416.

Hot-beds and dung-heaps. "Twizell."—*P. J. Selby, Esq.* Long Benton.—*T. J. B.* Ravensworth.—*J. H.*

Very variable in the number of punctures which constitute the thoracic series, which appears to depend upon the size of the specimen, and the length of its thorax. In some examples, various supernumerary punctures are found crowded together in some part of the range, as if the dimensions of the individual did not allow of their being arranged in extension. *Gyrophypnus apicalis*, Kirby, judging from the description, appears to belong to this species or the preceding.

3. *L. LINEARIS*, *Grav.*

Heer, Fn. Col. Helv., i., 243.—*Gyrophypnus sulcifrons*, *Kirby, Steph. Illust., Mand.*, v., 260.—*Gyrophypnus pusillus*, *Steph. Illust., Mand.*, v., 264.

In the same places with the preceding, but much more frequent. Long Benton.—*T. J. B.* Under sea-weed at Marsden.—*J. H.* May.

This, which Erichson accounts a variety of the preceding, is very uniform in its characters, and often occurs without the other accompanying it.

SUB-FAMILY 2. PÆDERIDES.

126. *CRYPTOBIUM*, *Mannerheim.*

1. *C. FRACTICORNE*, *Payk.*

Steph. Illust., Mand., v., 271., pl. xxvii., f. i.—*Erichson, Gen. et Spec. Staph.*, 575.—*Lathrobium fracticorne*, *Gyll. Ins. Suec.*, ii., 369.

"Twizell."—*P. J. Selby, Esq.*

127. LATHROBIUM, *Grav.*1. L. BRUNNIPES, *Fab.*

Gyll. Ins. Suec., ii., 366.—*Steph. Illust., Mand.*, v., 266.—
Erichson, Gen. et Spec. Staph., 588.

In moist meadows and woods. Common.

2. L. ELONGATUM, *Linn.*

Gyll. Ins. Suec., ii., 363.—*Steph. Illust., Mand.*, v., 267.—
Erichson, Gen. et Spec. Staph., 589.—*Lathrobium atriceps*,
Kirby, Steph. Illust., Mand., v., 267, (*immatur.*)

In similar places with the preceding, and equally common.

This species, as well as the next, is often confounded with *L. rufipenne*, apparently a very rare British insect. It is nearly similar in colour to *L. elongatum*, but is a much smaller, and more linear insect (about the size of *L. multipunctum*); the head is more deeply punctate, and its sides, as well as those of the thorax, are straighter; the thorax, also, is more oblong, and the elytra are longer, than in that species. From *L. fulvipenne* it is much more distinct.

3. L. FULVIPENNE, *Grav.*

Gyll. Ins. Suec., ii., 365.—*Steph. Illust., Mand.*, v., 267.—
Erichson, Gen. et Spec. Staph., 590.

Under stones, generally distributed: has been taken near the summit of Hedgehope.

4. L. MULTIPUNCTUM, *Grav.*

Gyll. Ins. Suec., iii., 705.—*Steph. Manual*, No. 3233.—
Erichson, Gen. et Spec. Staph., 591. — *Lathrobium*
punctato-striatum, *Kirby, Steph. Illust., Mand.*, v., 268.

“Twizell.”—*P. J. Selby, Esq.* Under rejectamenta on the banks of the Derwent, above Winlaton Mill.—*J. H.*

5. L. QUADRATUM. *Payk.*

Gyll. Ins. Suec., ii., 367.—*Steph. Illust., Mand.*, v., 266.—
Erichson, Gen. et Spec. Staph., 595.—*Lathrobium pilosum*,
Boisd. et Lacord. Faun. Ent. Paris, i., 426.

Long Benton.—*T. J. B.* Near Sunderland.—*Mr. W. Peacock.*

128. LITHOCHARIS, *Dejean*.1. L. OCHRACEA, *Grav.*

Boisd. et Lacord. Faun. Ent. Paris, i., 432.—*Erichson, Gen. et Spec. Staph.*, 623.—*Sunius ochraceus, Steph. Illust., Mand.*, v., 275.—*Pæderus rubricollis, Gyll. Ins. Suec.*, ii., 376.—*Sunius rubricollis, Steph. Illust., Mand.*, v., 275.

Budle Crag, and near a marsh at Dunstanborough Castle.—*J. H.* In hot beds, at Long Benton.—*T. J. B.* May—August.

129. STILICUS, *Latreille*.1. S. RUFIPES, *Müller*.

Niger, antennis pedibusque rufis vel rufo-piceis; thorace obsolete carinato, creberrime punctato; elytris subtiliter punctatis, apice plus minusve piceis. Long. $2\frac{1}{2}$ — $2\frac{2}{3}$ lin.

Erichson, Gen. et Spec. Staph., 631.—*Rugilus rufipes, Heer, Fn. Col. Helv.*, i., 231.—*Rugilus immunis, Kirby, Steph. Illust., Mand.*, v., 278?—*Rugilus orbiculatus, var., Ib. Manual*, No. 3251?

Black, slightly shining, elytra more shining, head and thorax opaque, finely and shortly pubescent. Antennæ one half longer than the head, scarcely thickened towards the apex, third joint somewhat longer than the second, 4—10 gradually shorter, 4—6 sub-obconic, 7—10 nodose, the last slightly larger, rufous, the apex more dilute. Palpi rufous. Labrum piceo-rufescent, "its apex in the middle acutely bidenticulate;" oral parts rufous beneath, their slight pubescence rufous. Mandibles rufo-piceous. Head large, of the breadth of the elytra, orbiculate, very thickly and strongly punctate, longitudinally subrugulose, a very short smooth shining line on the crown; slightly pubescent. Thorax somewhat mitre-shaped, wider than in the following species, one half narrower than the elytra, a little longer than broad, obliquely narrowed in front, slightly narrowing to the base, the sides somewhat straight; moderately convex, very thickly and strongly punctate, subrugose, with a narrow longitudinal shining line, slightly elevated posteriorly, not quite reaching the base, and disappearing towards the apex, slightly canaliculate; on each side of which posteriorly the disk is slightly depressed. Elytra a little

longer than the thorax, subquadrate, sparingly and finely punctate, most so at the apex, the punctures of various sizes; depressed on each side of the suture towards the base, and again slightly before the base, within the shoulders; fusco-piceous, shining, slightly subæneous, the apex by degrees subdilute; shortly griseous pubescent. Abdomen black, rather shining, thickly and very finely punctate, with a fine rather abundant griseous down, the apex and the margin of the fifth segment sometimes piceous. Legs red or rufo-testaceous; the tips of the femora occasionally somewhat darker.

Rare. At South Shields, and on the banks of the Derwent, near Axwell.—*J. H. May.*

This is larger than any other British species I have examined.

2. *S. AFFINIS*, *Erich.*

Niger, antennis fusco-rufescentibus, pedibus testaceis, femoribus apice tibiisque infuscatis; thorace carinato; elytris subæneis, subtiliter punctatis, apice testaceis. Long. 2—2 $\frac{1}{4}$ lin.

Erichson, Gen. et Spec. Staph., 633.—Rugilus affinis, Heer, Fn. Col. Helv., i., 232.

About the size, or slightly larger than *S. orbiculatus*, black, head and thorax opaque, shortly and finely pubescent, elytra shining subæneous. Antennæ a little longer than the head, subincrassate towards the apex, third joint longer than the second, scarcely one half longer, 4—10 gradually shorter and thicker, piceo-rufous, or obscure rufescent, the basal joint sometimes darkened above, the apex having a testaceous ring. Maxillary palpi rufo-piceous, third joint fuscescent. Labrum piceous, the margin rufescent. Head scarcely of the breadth of the elytra, orbiculate, very thickly and strongly punctate, longitudinally rugulose, with a smooth shining line on the front. Thorax almost twice as narrow as the elytra, shaped nearly as in the last, obliquely narrowed in front, and gently towards the base, a little longer than broad, moderately convex, very thickly and strongly punctate, with a broader central longitudinal line, finely canaliculate throughout, though less distinct in front. Elytra a little longer than the thorax, more transverse, or wider in proportion to the

thorax, than in some other species, sparingly and finely punctate, more obsolete at the apex, the punctures more equal than in *S. rufipes*, depressed at each side of the suture, nigro-piceous sub-aeneous, shining, apical margin testaceous, better marked than in *S. orbiculatus*, sparingly pubescent. Abdomen very thickly and finely punctulate, shining, with a distinct, short appressed pubescence. Legs testaceous, the anterior and intermediate coxæ, piceous, posterior red, sometimes all rufescent, the femora at the apex and the tibiæ more or less saturate with fuscous, tarsi rufescent. In damp situations, not common. At Budle Crag, South Shields, Marsden, and on the banks of the Derwent, near Axwell.—*J. H.* April—May.

3. *S. ORBICULATUS*, *Payk.*

Erichson, Gen. et Spec. Staph., 634.—*Rugilus orbiculatus*, *Steph. Illust., Mand.*, v., 278.—*Heer, Fn. Col. Helv.*, i., 232.

Rare. Under stones, at South Shields, and on the Derwent.—*J. H.* Long Benton, and Cullercoats.—*T. J. B.*

SUB-FAMILY 3. STENIDES, *Mannerheim.*

130. DIANÖUS, *Leach.*

1. *D. CÆRULESCENS*, *Gyll.*

Curt. Brit. Ent., pl. 107.—*Erichson, Gen. et Spec. Staph.*, 689.—*Steph. Manual*, No. 3260.—*Stenus cærulescens*, *Gyll. Ins. Suec.*, ii., 463.—*Dianöus rugulosus*, *Steph. Illust., Mand.*, v., 436.

Rare. One specimen found in the Ouseburn Dean, in April.—*T. J. B.*

131. STENUS, *Latreille.*

DIV. 1. *Tarsi with the fourth joint simple.*

SUB-DIV. a. *Abdomen margined.*

* *Elytra spotted.*

1. *S. BIGUTTATUS*, *Linn.*

Gyll. Ins. Suec., ii., 464.—*Steph. Illust., Mand.*, v., 302.—*Erichson, Gen. et Spec. Staph.*, 690.

Banks of streams, Gosforth, Tyne side, banks of the Derwent

above Winlaton Mill, and near the monument at Gibside, with the next species. June.

2. *S. GUTTULA*, *Mühler*.

Erichson, Gen. et Spec. Staph., 691.—*Steph. Manual*, No. 3263.—*Stenus Kirbyi, Gyll. Ins. Suec.*, iv., 499.—*Curt. Brit. Ent.*, pl., 164.—*Steph. Illust., Mand.*, v., 302.

On the banks of gravelly streams. Wooler Water, the Till, the Tyne and Derwent, up to the foot of Cheviot, and elsewhere.

3. *S. BIMACULATUS*, *Gyll.*

Gyll. Ins. Suec., ii., 466.—*Steph. Illust. Mand.*, v., 301.—*Erichson, Gen. et Spec. Staph.*, 692.—*Stenus Juno, Grav. Micr.*, 154.—*Boisd. et Lacord. Faun. Ent. Paris*, i., 441.

Under rejectamenta, &c. in marshes. Wooler, Dunston, Ravensworth woods, Swalwell, &c. February—July.

** *Elytra immaculate. Legs black.*

4. *S. JUNO*, *Fab.*

Gyll. Ins. Suec., ii., 467.—*Steph. Illust., Mand.*, v., 303.—*Erichson, Gen. et Spec. Staph.*, 694.—*Stenus Boops, Grav. Mon.*, 226.—*Boisd. et Lacord. Faun. Ent. Paris*, i., 447.

In marshes, and by the sides of ponds. Ravensworth woods, Dunston, and abundant at Gosforth, on pond plants. January—June.

This species is frequently named *Stenus lineatulus*, Kirby, but that is probably referable to *St. asphaltinus*, Erich., which has been taken in Kent, by Mr. Janson.

5. *S. BUPHTHALMUS*, *Grav.*

Gyll. Ins. Suec., ii., 475.—*Steph. Illust., Mand.*, v., 296.—*Erichson, Gen. et Spec. Staph.*, 699.—*Stenus canaliculatus, Boisd. et Lacord. Faun. Ent. Paris*, i., 449.

In marshy places. Banks of the Till, Ravensworth woods and Gibside.—*J. H. Gosforth.—T. J. B.* January—July.

6. *S. ATRATULUS*: *Plumbeo-niger, nitidulus, albido-pubescent, fortiter profunde punctatus; capite coleopteris fere dimidio angustiore, fronte leviter bisulcato, interstitio sub*

carinato ; thorace angusto, oblongo-ovato, æquali, in disco posteriore foveola impresso ; elytris thorace longioribus ; abdomine densius punctato. Long. $1\frac{1}{4}$ – $1\frac{1}{2}$ lin.

S. atratulus, *Erich.*, *Gen. et Spec. Staph.*, 701.—*Heer, Fn. Col. Helv.*, i., 219, 19.

Three specimens near the Wooler Water, above Turvielaws, in June.—*J. H.*

With the appearance, and almost the puncturing of *St. nigritulus*, but with a distinct margin to the abdomen ; rather small, narrowish, black, shining, with a fine whitish pile ; antennæ black, shortish ; palpi black, the first joint testaceous ; head somewhat broader than the thorax, about half or less of the breadth of the elytra, deeply and thickly but not very strongly punctate, the front with two lateral rather shallow depressions, with the interval moderately elevated longitudinally ; thorax slightly convex, narrowish, rounded before the middle, contracting posteriorly, rather strongly, deeply, and thickly punctate, furnished behind the middle with a short shining elongate foveola ; elytra more than double the width of the thorax, and about a third longer, depressed lengthways along the suture, and slightly towards the disc and the sides behind the shoulders, rather strongly, thickly and deeply punctate ; abdomen gradually narrowing towards the apex, thickly, but more finely punctate ; legs black, tarsi shortish.

7. *S. MELANOPUS*, *Marsh.*

Steph. Illust., Mand., v., 299.—*Stenus nitidus*, *Boisd. et Lacord. Faun. Ent. Paris.*, i., 450.—*Erichson, Gen. et Spec. Staph.*, 703.

Not common. Ravensworth woods.—*J. H.* At Gosforth, on the bottom of the lake, where the water was dried up.—*T. J. B.* February—July.

8. *S. PUSILLUS*, *Kirby.*

Steph. Illust., Mand., v., 301.—*Stenus exiguus*, *Erichson, Gen. et Spec. Staph.* 706.

Not uncommon in moss. Ravensworth woods, above Swalwell, Long Benton, &c. January—May.

9. *S. NANUS*, *Steph.*

Steph. Illust., Mand., v., 301.—*Stenus pusillus*, *Erichson, Gen. et Spec. Staph., 705.*—*Heer, Fn. Col. Helv., i., 221.*

Not rare in moss. Ravensworth, Gibside, Long Benton, &c. January and February.

*** *Elytra immaculate. Legs pitchy or testaceous.*

10. *S. BOOPS*, *Gyll.*

Gyll. Ins. Suec., ii, 469.—*Heer., Fn. Col. Helv., i., 216.*—*Steph. Illust., Mand., v., 293.*—*Stenus nigricornus*, *Kirby, Steph., l.c.*—*Stenus clavicornis*, *Steph., l.c., 294.*—*Stenus speculator*, *Boisd. et Lacord., Faun. Ent. Paris, i., 415.*—*Erichson, Gen. et Spec. Staph., 706.*

A common species, not confined to damp soils. "Twizell."—*P. J. Selby, Esq.* Shoreston, Wooler, Long Benton, Dunston, Ravensworth, South Shields, Gateshead Fell, Marsden, &c. February—June.

SUB-DIV. b. *Abdomen not margined.*11. *S. NIGRITULUS*, *Gyll.*

Gyll. Ins. Suec., iv., 502.—*Erichson, Gen. et Spec. Staph., 719.*—*Stenus unicolor*, *Kirby, Steph. Illust., Mand., v., 286.*

Two specimens, probably taken at Long Benton.—*T. J. B.* On the borders of a dung heap, near a pool on the top of Budle Crag.—*J. H.*

It varies considerably in size, the larger specimens being about the dimensions of *St. bupthalmus*.

DIV. 2. *Tarsi with the fourth joint bilobed.*SUB-DIV. a. *Abdomen margined.*12. *S. BINOTATUS*, *Liungh.*

Gyll. Ins. Suec., ii., 474.—*Boisd. et Lacord. Faun. Ent. Paris, i., 448.*—*Erichson, Gen. et Spec. Staph., 721.*—*Heer, Fn. Col. Helv., i., 223.*—*Stenus lævior*, *Kirby, Steph. Illust., Mand., v., 297.*

Borders of ponds. Gosforth, Long Benton, Boldon Flats.—*T. J. B.* May—June.

13. *S. PUBESCENS*, Kirby.

Steph. Illust., Mand., v., 297.—*Stenus subimpressus*, *Erichson, Gen. et Spec. Staph., 722.*—*Heer, Fn. Col. Helv., i., 223.*

“Twizell.”—*P. J. Selby, Esq.* On *Equiseta*, and other plants in ponds, at Gosforth.—*T. J. B.* May—June.

14. *S. PALLITARSIS*, Kirby.

Steph. Illust., Mand., v., 298.—*Stenus binotatus*, *Var. b. Gyll. Ins. Suec., iv., 500.*—*Stenus plantaris*, *Erichson, Gen. et Spec. Staph., 722.*—*Heer, Fn. Col. Helv., i., 223.*

A single specimen taken in the woods on the Team, near Ravensworth, and two others in a marsh on the Till.—*J. H.*

15. *S. NITIDUS*, Kirby.

Steph. Illust., Mand., v., 300.—*Stenus phæopus*, *Kirby, Ib., 288 ? (forte male descript.)*—*S. plancus*, *Erichson, Gen. et Spec. Staph., 723.*

“Twizell.”—*P. J. Selby, Esq.* Ravensworth woods.—*J. H.* Gosforth and Long Benton.—*T. J. B.* January—May.

16. *S. PICIPES*, Kirby.

Steph. Illust., Mand., v., 288.—*Stenus rusticus*, *Erichson, Gen. et Spec. Staph., 724.*—*Stenus obliquus*, *Heer, Fn. Col. Helv., i., 224.*

In damp places; not common. Ravensworth woods.—*J. H.* Gosforth and elsewhere.—*T. J. B.* January—July.

17. *S. NITIDIUSCULUS*, Kirby.

Steph. Illust., Mand., v., 292.—*Stenus tempestivus*, *Erichson, Gen. et Spec. Staph., 724.*

In very wet marshes, and on the borders of rivulets. “Twizell.”—*P. J. Selby, Esq.* Ravensworth woods, and near South Shields.—*J. H.* Gosforth and Long Benton.—*T. J. B.* Ryhope Dean.—*Mr. W. Peacock.* March—July.

18. *S. IMPRESSUS*, Germ.

Germ. Spec. Ins., 36.—*Erichson, Gen. et Spec. Staph., 728.*—*Heer, Fn. Col. Helv., i., 224.*—*Stenus Aceris*, *Steph.*

Illust., Mand., v., 292.—*Boisd. et Lacord. Faun. Ent. Paris, i., 445.*

Common. "Twizell."—*P. J. Selby, Esq.* Summit of Hedgehope (2347 feet), Cramlington, Gibside, Ravensworth, Boldon Flats, &c. March—October.

It sometimes occurs in flowers, or rambling over the foliage of shrubs.

19. *S. PROBOSCIDEUS*, *Gyll.*

Gyll. Ins. Suec., ii., 476.—*Heer, Fn. Col. Helv., i., 225.*—*Stenus ossium, Kirby, Steph. Illust., Mand., v., 290.*—*Stenus canaliculatus, Kirby, Ib., l.c., 294.*—*Stenus palustris, Erichson, Gen. et Spec. Staph., i., 729.*

Not uncommon in boggy situations. Long Benton, Gosforth and Boldon Flats.—*T. J. B.* On the upper part of Hedgehope, Gibside, Ravensworth woods, and Marsden.—*J. H.* April—July.

20. *S. PALLIPES*, *Grav.*

Boisd. et Lacord. Faun. Ent. Paris, i., 416.—*Erichson, Gen. et Spec. Staph., 731.*—*Heer, Fn. Col. Helv., i., 225.*—*Stenus immunis, Marsh. Steph., Illust., Mand. v., 290.*

Rare. Gibside and Ravensworth woods, in moss.—*J. H.* January.

21. *S. FLAVIPES*, *Kirby.*

Steph. Illust., Mand., v., 289.—*Stenus flum, Erichson, Gen. et Spec. Staph., 731.*

Rare. Long Benton and Boldon Flats.—*T. J. B.* Near Dunstanborough Castle, Gibside, and Ravensworth. — *J. H.* Ryhope dean.—*Mr. W. Peacock.* March.

SUB-DIV. b. *Abdomen not margined.*

22. *S. TARSALIS*, *Liungh.*

Gyll. Ins. Suec., ii., 472.—*Steph. Illust., Mand., v., 286.*—*Erichson, Gen. et Spec. Staph., 732.*—*Heer, Fn. Col. Helv., i., 226.*—*Stenus nigriclavis, Kirby, Steph. Illust., Mand., v., 285.*—*St. rufitarsis, Kirby, Ib., l.c.*—*St. flavitarsis, Wilkin. Ib., l.c.*

In damp bogs. Taken at "Twizell," by *P. J. Selby, Esq.*

23. *S. OCVLATUS*, Goetze.

Gyll. Ins. Suec., ii., 471.—*Steph. Illust., Mand.*, v., 282.—

Erichson, Gen. et Spec. Staph., 733.

In damp places; common. Budle Crag, Twizell, Gosforth, Long Benton, Ravensworth, &c. May and June.

24. *S. FULVICORNIS*, Kirby.

Steph. Illust., Mand., v., 284.—*Stenus paganus, Erichson,*

Gen. et Spec. Staph., 742.

Rare. Gibside and Ravensworth.—*J. H.* A specimen taken within the district.—*T. J. B.* January.

25. *S. BRUNNIPES*, Kirby.

Steph. Illust., Mand., v., 285.—*Stenus latifrons, Erichson,*

Gen. et Spec. Staph., 743.—*Heer, Fn. Col. Helv.*, i., 227.

At the roots of grass, and among moss; common everywhere. This species feeds upon *Acari* and *Poduræ*.

SUB-FAMILY 4. OXYTELIDES.

SECT. 1. OXYTELINI GENUINI, *Erichson*.132. *BLEDIUS*, *Leach*.1. *B. OPACUS*, *Block*.

Erichson, Gen. et Spec. Staph., 771.—*Heer, Fn. Col. Helv.*,

i., 210.—*Hesperophilus hæmopterus, Kirby, Steph. Illust.*,

Mand., v., 310.—*Bledius castaneipennis, Ziegl. Boisd. et*

Lacord. Faun. Ent. Paris, i., 457.

Rare: two specimens were dug out of sand on the banks of the Derwent, near Axwell Park.—*J. H.* Abundant in the estuary of the Tees.—*Rev. G. T. Rudd.* June.

2. *B. SUBTERRANEUS*, *Merkel*.

Niger, sub-opacus, pedibus pallidis, femoribus nigri-cantibus, thorace, leviter canaliculato, subtiliter obsoleteque punctato.

Long. $1\frac{3}{4}$ lin.

Erichson, Gen. et Spec. Staph., 777.—*Heer, Fn. Col. Helv.*,

i., 210.

Black, head, thorax, and elytra sub-opaque, the last with a conspicuous short griseous pubescence abdomen shining. Antennæ somewhat longer than the head, gradually thickened outwardly,

third joint thinner, and one-half longer than the second, the rest of the joints short, 6—10 transverse, the last largest, rotundate, nearly obtuse; black, the two basal joints sometimes piceous. Mandibles prominent, slender, slightly arcuate, rufous. Palpi piceo-testaceous, third joint nigro-piceous. Head short, sub-triangular, narrower than the thorax, finely and obsolete scattered punctate, the front down the middle rather elevated, longitudinally but obsolete depressed on each side at the base of the antennæ. Eyes very prominent. Thorax sub-semicircular, the front being rather wider, almost one-half narrower than the elytra, a little shorter than broad, the sides neatly rounded, sinuate narrowed behind the middle, posterior angles obtuse, sub-prominent, base and sides slightly margined; convex above, opaque, rather thickly, finely, and obsolete punctate, very finely canaliculate. Elytra almost double the length of the thorax, rather convex, somewhat widest posteriorly, exterior angles rather rounded, slightly shining, thickly and finely punctate, clothed with a shining griseous down. Abdomen deeper black, more shining, very finely and thickly punctate. Legs piceo-testaceous, or testaceous, the femora sometimes fuscous.

On the banks of the Derwent, above Winlaton Mill. On those of Wooler Water, below Langleyford, and near Wooler, and of the Till.—*J. H.* June.

It burrows under the sand, raising little heaps like worm casts, and comes abroad towards evening. Where I met with it, it was preyed on by a colony of *Formica rufa*. It occurs on several of the Berwickshire rivers, and has, I believe, likewise been taken in Ireland, by Mr. Halliday.

133. PLATYSTETHUS, *Mannerheim*.

1. *P. MORSITANS*, *Payk.*

Steph. Illust., Mand., v., 312.—*Erichson, Gen. et Spec. Staph., 782.*—*Oxytelus morsitans, Gyll. Ins. Suec., ii., 451.*—*Platystethus trilobus, Steph. Illust., Mand., v., 312.*—*Pl. sulcatus, Marsh, Ib., l.c., 313.*—*Pl. brunnipennis, Ib., l.c.*—*Platystethus pallidipennis, Heer, Fn. Col. Helv., i., 207.*

Common.

134. OXYTELUS, Grav.

1. O. RUGOSUS, Fab.

Steph. Illust., Mand., v., 316.—*Erichson, Gen. et Spec. Staph., 786.*—*Oxytelus carinatus, Gyll. Ins. Suec., ii., 452.*—*Steph. Illust., Mand., v., 315.*—*Heer, Fn. Col. Helv., i., 203.*

Var. O. pulcher, Grav. Micr., 107.—*Steph. Illust., Mand., v., 315.*—*O. terrestris, Boisd. et Lacord. Faun. Ent. Paris, i., 462.*

Common.

In winter, it often occurs in moss, or in the soil; in the pith of reeds and thistles, or under bark.

2. O. SCULPTUS, Grav.

Erichson, Gen. et Spec. Staph., 788.—*Heer, Fn. Col. Helv., i., 205.*—*Oxytelus antennatus, Kirby, Steph. Illust., Mand., v., 317.*

Under garden rubbish, &c. "Twizell."—*P. J. Selby, Esq. Long Benton.*—*T. J. B. Budle Crag.*—*J. H. March—July.*

3. O. SCULPTURATUS, Grav.

Gyll. Ins. Suec., ii., 456.—*Steph. Illust., Mand., v., 317.*—*Erichson, Gen. et Spec. Staph., 790.*

Common, everywhere.

4. O. NITENS, Marsh.

Steph. Illust., Mand., v., 316.—*Oxytelus luteipennis, Erichson, Gen. et Spec. Staph., 792.*

Ravensworth, Gateshead Fell, and under sea-weed at Marsden.—*J. H. Prestwick Car.*—*T. J. B. March—July.*

5. O. FLAVIPES, Steph.

Steph. Illust., Mand., v., 318.

Beneath sea-weed at Newton-by-the-Sea, near Beadnell, Hartley, Cullercoats, Tynemouth, Marsden, and Hartlepool. February—May.

This very distinct species is related to *O. politus* of Erichson.

6. *O. NITIDULUS*, *Grav.*

Steph. Illust., Mand., v., 319.—*Erichson, Gen. et Spec. Staph., 795.*—*Oxytelus ruficrus, Kirby, Steph. Illust., Mand., v., 320.*

Near North Sunderland, Wooler, on the Till, Ravensworth woods, and rather abundant at Marsden.—*J. H. Newcastle.*—*T. J. B. May.*

7. *O. PALLIPES*, *Kirby.*

Steph. Illust., Mand., v., 319.—*Oxytelus depressus, Gyll. Ins. Suec., ii., 457.*—*Oxytelus complanatus, Erichson, Gen. et Spec. Staph., 795.*

In dung, &c. Near Beadnell, South Shields, Marsden, and Hartlepool.—*J. H. Long Benton.*—*T. J. B. March—May.*

Much resembling *O. sculpturatus*, but smaller, the interstices of the sulci of the thorax narrower, more elevated, carinated, head, thorax, and elytra opaque. In *O. sculpturatus* the posterior tibiæ are spinose after the middle; in this they are not visibly spined. The head, thorax, and elytra are longitudinally strigose.

8. *O. DEPRESSUS*, *Grav.*

Steph. Illust., Mand., v., 318.—*Erichson, Gen. et Spec. Staph., 796.*—*Heer, Fn. Col. Helv., i., 206.*—*Oxytelus opacus, Kirby, Steph. Illust., Mand., v., 321.*—*O. pusillus, Leach, Ib., l.c.*

Common.

135. *TROGOPHILÆUS*, *Mannerheim.*1. *T. BILINEATUS*, *Kirby.*

Erichson, Gen. et Spec. Staph., 806.—*Carpalinus bilineatus, Steph. Illust., Mand., v., 324., pl. xxvii., f. 4,*—*Oxytelus corticinus, Gyll. Ins. Suec., ii., 645.*

Under garden rubbish, dung heaps, and by the banks of rivulets. Ravensworth woods.—*J. H. Long Benton.*—*T. J. B. Jan.—May.*

2. *T. FULIGINOSUS*, *Grav.*

Erichson, Gen. et Spec. Staph., 808.—*Carpalinus fuliginosus, Steph. Illust., Mand., v., 325.*

On the banks of the Till, below Weetwood Bridge. July.—*J. H.*

3. T. PUSILLUS, *Grav.*

Erichson, Gen. et Spec. Staph., 811.—*Heer, Fn. Col. Helv.*, i., 202.—*Aleochara pusilla, Gyll. Ins. Suec.*, ii., 409.—*Tænosoma pusillum, Steph. Illust., Mand.*, v., 323.—*Oxytelus fuliginosus, Gyll. Ins. Suec.*, ii., 460.—*Carpalimus picipennis, Kirby, Steph., Illust., Mand.*, v., 325?

In similar places with the preceding. Long Benton.—*T. J. B. Budle*, North Sunderland, Wooler water, and the banks of the Till.—*J. H.* May—July.

SEC. 2. OXYTELINI COPROPHILINI, *Erichson*.*136. COPROPHILUS, *Latreille.*1. C. STRIATULUS, *Fab.*

Steph. Illust., Mand., v., 345.—*Erichson, Gen. et Spec. Staph.*, 816.—*Heer, Fn. Col. Helv.*, i., 199.—*Omalium rugosum, Gyll. Ins. Suec.*, ii., 233.—*Anthobium rugosum, Boisd. et Lacord. Faun. Ent. Paris*, 469.

Rare. From the sea coast at Hartlepool.—*J. H.* Under sea weed, near Sunderland.—*Mr. W. Peacock.*

137. MICRALYMMMA, *Westwood.*1. M. BREVIPENNE, *Gyll.*

Erich. Gen. et Spec. Staph., 820.—*Omalium brevipenne, Gyll. Ins. Suec.*, ii., 234.—*Micralymma Johnstonis, Westw. Mag. of Zool. and Bot.*, ii., 130, pl. iv., f. 1.—*Steph. Manual*, No. 3414.

Under stones between tide marks, between Budle and the Heather House, and more sparingly in the fissures of a shady sandstone, near Monkshouse, in July.—*J. H.*

Mr. Halliday remarks that this species was described about the period of Linnæus. I have not been able to find its earliest appellation thus referred to. Schiodte has described a second species from Greenland, with terrestrial habits.

138. SYNTOMIUM, *Curtis.*1. S. ÆNEUM, *Müller.*

Erichson, Gen. et Spec. Staph., 821.—*Heer, Fn. Col. Helv.*, i., 199.—*Omalium æneum, Gyll. Ins. Suec.*, iv., 466.—

* Schiodte is of opinion that this section should be united to the *Omalides*.

Syntomium nigro-æneum, *Curt. Brit. Ent.*, pl. 228.—
Steph. Illust., Mand., v., 329.

In moss from damp places. Gosforth, Long Benton, and
Gibside.—*T. J. B.* Ravensworth woods.—*J. H.* February.

SUB-FAMILY 5. PHLÆOCHARIDES.

139. PHLÆOCHARIS, *Mannerheim*.

1. *P. SUBTILISSIMA*, *Mannerh.*

Steph. Manual, No. 3375.—*Erichson, Gen. et Spec. Staph.*,
845.

Under bark of mountain ash, and other trees in Ravensworth
woods; and under bark of paling, at Gibside.—*J. H.* March—
October.

SUB-FAMILY 6. OMALIDES.

140. ANTHOPHAGUS, *Grav.*

1. *A. CARABOIDES*, *Linn.*

Gyll. Ins. Suec., ii., 192.—*Erichson, Gen. et Spec. Staph.*,
850.—*Heer, Fn. Col. Helv.*, i., 195.—*Lesteva Caraboides*,
Steph. Illust., Mand., v., 360.

On shrubs, and among herbage. "Twizell."—*P. J. Selby*,
Esq. "Castle Eden dean."—*Ormsby's Durham.* Gosforth,
Gibside, &c. June.

2. *A. TESTACEUS*, *Grav.*

Steph. Illust., Mand., v., 361.—*Erichson, Gen. et Spec. Staph.*,
851.—*Heer, Fn. Col. Helv.*, i., 194.—*Anthophagus Cara-*
boides, var. c., *Gyll. Ins., Suec.*, ii., 192.

On the leaves of underwood. Gibside.—*J. H.* June.

The elytra are longer than in the preceding, and the thorax is
more quadrate, and not so much narrowed posteriorly. Gyllenhal
considers that the differences are to be attributed to the robustness
of the specimens, whence also arises the deeper puncturing of the
head and thorax.

3. *A. ALPINUS*, *Fab.*

Erich. Gen. et Spec. Staph., 849.—*Heer, Fn. Col. Helv.*, i.,
196, 6.—*Lesteva alpina*, *Steph. Illust., Mand.*, v., 361.

Under stones, at the summit of Hedgehope (2347 feet) in July.—
J. H.

The specimens taken are all males, and have their heads armed with sharp horns. One specimen has the antennæ testaceous; in the others the tip of these is pitchy, as in foreign examples. The mouth is red, and the head and thorax are black, excepting the rufous margins of the latter.

141. GEODROMUS, *Heer*.

1. *G. PLAGIATUS*, *Fab.*

Heer, Fn. Col. Helv., i., 572.—*Geobius plagiatus*, *Ib.*, *l.c.*, i., 193.—*Anthophagus plagiatus*, *Gyll. Ins. Suec.*, ii., 195.—*Erichson, Gen. et Spec. Staph.*, 852.—*Lesteva plagiata*, *Steph. Illust., Mand.*, v., 362.

Var. With the elytra black, concolorous.

Anthophagus nigrita, *Müller, Germ. Mag.*, iv., 226.—*Lesteva globulicollis*, *Mannerh. Brach.*, 56.—*Steph. Illust., Mand.*, v., 360.

A specimen of the variety has occurred on the banks of the Derwent, near the monument at Gibside.—*J. H.*

142. LESTEVA, *Latreille*.

1. *L. BICOLOR*, *Fab.*

Erichson, Gen. et Spec. Staph., 855.—*Anthophagus obscurus*, *Gyll. Ins. Suec.*, ii., 196.—*Lesteva, obscura*, *Steph. Illust. Mand.*, v., 361.—*Heer, Fn. Col. Helv.*, i., 192.

On the banks of gravelly streams. Common.

In a small shady glen near Winlaton, I observed great numbers on the border of the rivulet, feeding upon drowned *Hilaræ* and other *Diptera*, that are accustomed to hover over pools.

2. *L. IMPRESSA*, *Kirby*.

Steph. Illust., Mand., v., 363.—*L. punctata*, *Erichson, Gen. et Spec. Staph.*, 857.

Under herbage, in the wettest swamps. Near Wooler, Ravensworth woods, and the woods above Swalwell.—*J. H.* January.

To adapt it to its situation, it appears to have, like *L. bicolor*, an oily coat to repel moisture.

143. ARPEDIUM, *Erichson*.

1. A. BRACHYPTERUM: *Piceum, parum nitidum, parce pubescens, capite thoraceque subquadrato parce subtiliterque punctatis, hoc utrinque profunde foveolato, elytris crebre fortius punctatis.* Lon. $1\frac{2}{3}$ lin.

Erich. Gen. et Spec. Staph., 859.—*Omalium brachypterum, Grav. Micr.*, 114, 5.

Under stones, in peaty soil, near the summit of Hedgehope.—
J. H.

Body oblong, sub-depressed, piceous or ferrugineo-piceous, rather shining, abdomen still more splendid, with a sparing, bristled, and rather distinct pubescence; head sub-triangular, about one-third less than the thorax, slightly convex along the middle, sparingly, finely, and obsoletely punctate, rather smooth anteriorly, front between the eyes with two minute deep longitudinal striæ, and anteriorly between the antennæ with two more obsolete foveolæ, black, the mouth piceous; antennæ slender, scarcely thickened outwardly, about the length of the head and thorax, rather pilose, and as well as the maxillary palpi rufo-piceous; labial palpi testaceous; thorax sub-quadrate, about the width of the base of the elytra, a little shorter than broad, with the sides slightly rounded, the base and apex truncate, all the angles rounded, above slightly convex, sparingly and obsoletely punctulate, the puncturing more conspicuous on the sides and the posterior angles, a minute rounded deep fovea on each side at the lateral margin a little before the middle, fusco-piceous or ferruginous; scutellum sparingly, finely, and obsoletely punctate; elytra one half longer than the thorax, wedge-shaped, broadest backwardly, the outer angles rounded, rather flattish, with a longitudinal depression on each side of the scutellum, thickly and rather strongly punctate; abdomen still increasing in width after the termination of the elytra, and then narrowed at the apex; about the length of the anterior part of the body, shining, very minutely thickly and obsoletely punctulate, nearly glabrous, the sides broadly margined; legs rufo-testaceous.

I have met with this rare insect, in the collections of Dr. Greville and the Rev. W. Little, who probably took it in the

Scottish Highlands. This, however, is the first time it is recorded as British.

2. *A. SUBPUBESCENS*, Kirby.

Omalium subpubescens, *Steph. Illust., Mand., v., 350.*—

Arpedium humile, *Erichson, Gen. et Spec. Staph., 860?*—

Arpedium myops, *Haliday, Entomologist, 187.*

On the flowers of broom and furze. North Sunderland, Budle Hills, Embleton, Wooler, foot of Hedgehope, wood above Winlaton Mill.—*J. H.* Long Benton.—*T. J. B.* June.

Haliday was the first to notice the generic relations of the British insect, and the anomalous circumstance of its being destitute of ocelli. Erichson's *A. humile*, from the Uralian mountains, was a solitary example, and appears to have been immature.

144. *ACIDOTA*, Leach.

1. *A. CRENATA*, Fab.

Steph. Illust., Mand., v., 358, pl. xxvi. f. 6.—*Boisd. et*

Lacord. Faun. Ent. Paris, i., 476.—*Erichson, Gen. et*

Spec. Staph., 861.—*Omalium crenatum*, *Gyll. Ins. Suec., ii., 230.*

A pair from the woods above Ravensworth Castle.—*J. H.* February.

145. *OLOPHRUM*, Erichson.

1. *O. PICEUM*, Gyll.

Erichson, Gen. et Spec. Staph., 864.—*Steph. Manual, No.*

3409.—*Omalium piceum*, *Gyll. Ins. Suec., ii., 200.*—

Anthobium piceum, *Steph. Illust., Mand., v., 341.*

Under withered leaves, &c., in such swampy places as *Chryso-splenium alternifolium* flourishes. Long Benton, Gosforth, Ravensworth, Swalwell, and on the coast near South Shields. February—May.

146. *LATHRIMÆUM*, Erichson.

1. *L. ATROCEPHALUM*, Gyll.

Erichson, Gen. et Spec. Staph., 870.—*Steph. Manual., No.*

3403.—*Omalium atrocephalum*, *Gyll. Ins. Suec., 463.*—

Anthobium atrocephalum, *Steph. Illust., Mand., v., 342.*—

Anthobium melanocephalum, *Marsh, Ib., l.c.*, v., 341.—*A. longipenne*, *Kirby, Ib., l.c.*?—*A. unicolor*, *Marsh, Ib., l.c.*, 343? (*jun.*?)

In humid situations, under herbage; also under bark, and at the sap of felled trees. "Twizell."—*P. J. Selby, Esq.* Cramlington, Gosforth, Long Benton, Gibside, Ravensworth. January—September.

147. DELIPHRUM, *Erichson.*

1. *D. TECTUM*, *Payk.*

Erichson, Gen. et Spec. Staph., 872.—*Steph. Manual*, No. 3402.—*Omalium tectum*, *Gyll. Ins. Suec.*, ii., 203.—*Boisd. et Lacord. Faun. Ent. Paris*, i., 487.—*Anthobium tectum*, *Steph. Illust., Mand.*, v., 340.

At sap of felled trees; in horse dung, &c. "Twizell."—*P. J. Selby, Esq.* Long Benton, Heaton, Gosforth, Gibside, Ravensworth, South Shields. March—May.

148. PHLÆONOMUS, *Heer.*

1. *P. INFLATUS*, *Gyll.*

Heer, Fn. Col. Helv., i., 185.—*Omalium inflatum*, *Gyll. Ins. Suec.*, iii., 700.—*Erichson, Gen. et Spec. Staph.*, 883.—*Lathrimæum inflatum*, *Steph. Manual*, No. 3408.

Rare. Under decayed bark of trees, in the upper parts of Ravensworth woods.—*J. H.* February—October.

2. *P. IOPTERUS*, *Kirby.*

Omalium iopterum, *Steph. Illust., Mand.*, v., 349.—*Omalium sordidum*, *Ib. l.c.*—*Omalium lucidum*, *Erichson, Gen. et Spec. Staph.*, 881.—*Phlæonomus lucidus*, *Heer, Fn. Col. Helv.*, i., 185.—*Omalium brunneum*, *var. b.*, *Gyll. Ins. Suec.*, ii., 227.—*Omalium mesomelas*, *Holme, Trans. Ent. Soc. Lond.*, iii., 128?

Under bark of trees and paling. Ravensworth woods and Gibside.—*J. H.* January.

3. *P. PUSILLUS*, *Gyll.*

Heer, Fn. Col. Helv., i., 186.—*Omalium pusillum*, *Gyll. Ins. Suec.*, ii., 220.—*Steph. Illust., Mand.*, 353.—*Erichson, Gen. et Spec. Staph.*, 879.

Under the bark of *Pinus sylvestris*. "Twizell."—*P. J. Selby, Esq.* Long Benton and Gosforth.—*T. J. B.* May—September.

149. OMALIUM, *Gravenhorst*.

1. O. RIVULARE, *Payk.*

Gyll. Ins. Suec., ii., 214.—*Steph. Illust., Mand.*, v., 354.—*Erichson, Gen. et Spec. Staph.*, 875.—*Heer, Fn. Col. Helv.*, i., 176.

Common, especially on the flowers of *Allium ursinum*. June.

2. O. LÆVIUSCULUM, *Gyll.*

Gyll. Ins. Suec., iv., 464.—*Erichson, Gen. et Spec. Staph.*, 887.—*Omalium læve, Steph. Illust., Mand.*, v., 352.

Common beneath sea-weed, along the coast. Budle Bay, Beadnell, Newton-by-the-Sea, Hartley, Tynemouth, South Shields, Marsden, Sunderland. February—September.

Distinguished from *O. rivulare*, by the fineness of its puncturing.

3. O. EXIGUUM, *Gyll.*

Gyll. Ins. Suec., ii., 218.—*Steph. Illust., Mand.*, v., 350.—*Erichson, Gen. et Spec. Staph.*, 876.

One specimen on the sand at South Shields.—*J. H.* May.

4. O. OXYACANTHÆ, *Grav.*

Erichson, Gen. et Spec. Staph., 877.—*Omalium piceum, Kirby, Steph. Illust., Mand.*, v., 354.

"Twizell."—*P. J. Selby, Esq.* Beneath sea-weed at Shields and Marsden.—*J. H.* Newcastle and Cullercoats.—*T. J. B.* May.

5. O. FOSSULATUM, *Erich.*

Erichson, Gen. et Spec. Staph., 877.—*Heer, Fn. Col. Helv.*, i., 176.—*Omalium caesum, Gyll. Ins. Suec.*, ii., 215.—*Steph. Illust., Mand.*, v., 354.

Not unfrequent. "Twizell."—*P. J. Selby, Esq.* Long Benton, Ravensworth, Marsden, Swalwell. May.

6. O. CONFORMATUM, *Hardy.*

Nigrum, nitidum, sublineare, pedibus testaceis, antennis elytrisque subnigris, capite thoraceque creberrime punctatis;

hoc dorso foveolis duabus sub-oblongis, parum profundis impresso, basin versus subangustato, margine laterali non explanato. Long. 1—1½ lin.

Sublinear, of the size of *O. exiguum*, to which it is nearly allied, but the head and thorax are less deeply impressed, and the elytra less deeply punctured; with the foveæ of *O. rivulare*. Black, shining. Antennæ of the length of the head and thorax, slightly thickened towards the apex, 9th and 10th joints sub-transverse, the last rather larger, abruptly acuminate; black, or nigro-piceous in the middle. Palpi nigro-piceous. Head rather flattish, thickly and rather finely punctate, two deepish rounded foveæ behind between the eyes, and two approximating more obsolete sublinear impressions anteriorly between the base of the antennæ, the apex of the head not smooth. Thorax transverse, subquadrate, of the shape of that of *O. rivulare*, considerably narrower than the elytra, nearly one half of their breadth at the apex, thickly and finely punctate as in the head; the sides slightly, the anterior angles considerably rounded, slightly narrowest towards the base, base truncate, posterior angles nearly right angled; slightly convex transversely, the back with two sub-arcuate, rather shallow, sub-oblong foveæ, widest and deepest behind, narrowing and vanishing in front, with a third obverse-lanceolate, more obsolete, intermediate foveæ at the apex, and the trace of a fourth triangular, still more shallow one at the base before the scutellum; sides anteriorly narrowly margined, at the middle, on each side, rather strongly impressed, by which means a triangular flattened space is formed at each of the posterior angles. Scutellum smooth. Elytra more than double the length of the thorax, sometimes widest externally, lateral margin very narrow, exterior angles rounded; not quite flat, slightly longitudinally depressed on each side along the suture, and at the base near the shoulders; very thickly and rather strongly punctate, concolorous, or slightly fuscous. Abdomen very obsoletely punctulate, rather dull. Legs testaceous, the femora sometimes dusky.

Very nearly allied to *O. cæsum*, Erich., *O. oxyacanthæ*, Gyll., which appears to be more opaque, and has the sides of the thorax flattened out.

At a dead hare, in Ravensworth woods, and also at South Shields.—*J. H.* March—May.

This species has also occurred in Berwickshire, and there are specimens in Mr. Walker's collection probably taken near London.

7. *O. FLORALE*, *Payk.*

Steph. Illust., Mand., v., 350.—*Erichson, Gen. et Spec. Staph., 879.*—*Omalium Viburni, Gyll. Ins. Suec., ii., 224.*—*Steph. Illust., Mand., v., 351.*

On the flowers of broom, hawthorn, &c. Swalwell, dean above Winlaton Mill, Gibside, and under sea-weed at South Shields.—*J. H.* Long Benton.—*T. J. B.* April—June.

8. *O. PUSILLUM*, *Gyll.*

Gyll. Ins. Suec., ii., 218.—*Steph. Illust., Mand., v., 353.*—*Erichson, Gen. et Spec. Staph., 879.*—*Phlæonomus pusillus, Heer, Fn. Col. Helv., i., 186.*

Long Benton, Gosforth.—*T. J. B.* May—September.

150. *XYLODROMUS*, *Heer.*

1. *X. CONCINNUS*, *Marsh.*

Heer, Fn. Col. Helv., i., 567.—*Omalium concinnum, Steph. Illust., Mand., v., 347?*—*Erichson, Gen. et Spec. Staph., 886.*

Under rubbish, and in shops and cellars. Newcastle, Gateshead, Long Benton. June—October.

It often appears on windows. Our insect agrees better with *Erichson's* description of *Omalium concinnum*, than with *O. deplanatum*, to which specimens are often referred. The elytra are always longitudinally substrigose. *Stephens'* description is so indefinite, that it is difficult to decide as to which of the two closely allied species it belongs.

151. *ANTHOBIUM*, *Leach*

1. *A. TRIVIALE*, *Erich.*

Nigro-piceum, ore, antennis pedibusque testaceis; thorace transverso, angulis posticis rectis; elytris fuscis, confertim sat fortiter punctatis, thorace duplo longioribus, in utroque sexu truncatis. Long. 1½ lin.

Erichson, Gen. et Spec. Staph., 892.—*Heer, Fn. Col. Helv.*, i., 180.—*Omalium Primulæ, Kirby, Steph. Illust., Mand.*, v., 356?

About double the size of *A. minutum*, more elongate, with the habit of an *Omalium*, nigro-fuscous, rather shining, glabrous, abdomen indistinctly pubescent. Antennæ longer than the head and thorax, rather slender, slightly thickened towards the apex, (the last five joints); testaceous, the base rather palest, pilose. Mouth and palpi testaceous. Head triangular, much less than the thorax, two minute foveæ between the eyes, and two rather shallow ones at the base of the antennæ, margin of the apex elevated, a very slightly elevated transverse bent ridge crossing the middle of the head before the ocelli, scarcely punctate, at the border of each eye finely longitudinally strigose; black, slightly shining. Eyes very prominent. Thorax transverse, truncate cordate, or subquadrate, a little narrower than the elytra, scarcely one half longer than broad, the sides rounded, slightly margined, more distinctly at each of the posterior angles, consequent on a very obsolete lateral impression, slightly narrowed towards the base, base and apex truncate, anterior angles rounded, posterior angles right angled, bluntish; slightly convex, scatteredly and rather finely punctate, an obsolete rounded impression at the base before the scutellum; rather shining, fuscous black, lateral margins rufescent. Scutellum smooth. Elytra more than twice as long as the thorax, widest behind, the sides deflexed, apex slightly, external apex obliquely rounded, interiorly truncate in both sexes, thickly and strongly punctate, at the apex narrowly smoothed, and with the puncturing finer, some of the punctures next the apex, suture shewing a tendency to arrangement in a series, rather widely depressed along the suture, and slightly near the shoulders; fusco-rufescent, apical and sometimes the lateral margins more dilute, shining. Abdomen, behind the elytra, about half their length, exceedingly finely punctulate, black, somewhat shining, apex testaceous, in the female with two very short styles.

This agrees so closely with Stephens' description of *Omalium Primulæ*, that I cannot but regard it as the same; but since it is placed in his division, with "*the thorax deeply foveolated*," there

is room for doubt. In Switzerland, *A. triviale* frequents the primrose, whence it has been likewise named by Chevrier, *Omalium Primulæ*. Kirby found his *O. Primulæ*, "abundant in the flowers of the common primrose, in May, 1809; when first captured it has a most fetid odour." (*Steph. Illust., Mand., v., 357.*) See also *Kirby and Spence, Introd. to Entomology, ii., 242.*

Taken in the flowers of the Guelder Rose (*Viburnum Opulus*); and of the Hawthorn, at Gibside.—*J. H.* May and June.

2. *A. TORQUATUM*, *Marsh.*

Steph. Illust., Mand., v., 339.—*Anthobium mucronatum*, *Kirby, Ib., l.c., (foem.)*—*Omalium montivagum*, *Chevrier, Heer, Fn. Col. Helv., i., 184.*—*Anthobium scutellare*, *Erichson, Gen. et Spec. Staph., 895.*—*Anthobium nigri-ventre*, *Steph. Illust., Mand., v., 343?*

In flowers of furze and broom; common. Budle, Twizell, Tynemouth, Gibside, &c. June and July.

3. *A. SORBI*, *Gyll.*

Steph. Illust., Mand., v., 338.—*Erichson, Gen. et Spec. Staph., 895.*—*Omalium Sorbi*, *Gyll. Ins. Suec., ii., 206.*

Var. Silpha lutea, *Marsh. Ent. Brit., i., 128.*—*Anthobium luteum*, *Steph. Illust., Mand., v., 338.*

In flowers of hawthorn, mountain ash, broom, &c.; very common. June and July.

4. *A. MINUTUM*, *Fab.*

Erichson, Gen. et Spec. Staph., 896.—*Steph. Manual, No. 3398.*—*Anthobium Ranunculi*, *Ib. Illust., Mand., v., 337.*—*An. picipenne*, *Kirby, Ib. l.c.*

In the flowers of the Ranunculaceæ, common.

SUB-FAMILY 7. PROTEINIDES.

152. *PROTEINUS*, *Latreille.*

1. *P. BRACHYPTERUS*, *Fab.*

Steph., Illust., Mand., v., 334.—*Erichson, Gen. et Spec. Staph., 903.*—*Omalium brachypterum*, *Gyll, Ins. Suec., ii., 207.*—*Proteinus ovalis*, *Kirby, Steph. Illust., Mand., v., 335.*

In Fungi, and decaying substances, not uncommon. Gibside, Axwell, Ravensworth, South Shields, &c.

153. MEGARTHUS, Kirby.

1. M. DEPRESSUS, Payk.

Erichson, Gen. et Spec. Staph., 905.—*Heer, Fn. Col. Helv.*, i., 171.—*Omalium depressum, Gyll. Ins. Suec.*, ii., 210.—*Megarthus pusillus, Steph. Illust., Mand.*, v., 333.—*Omalium macropterum, Grav. Mon.*, 215, *viæ*. *Megarthus id, Steph. l.c.?*

In Fungi, cow-dung, &c. Budle Crag, Prestwick Car, Long Benton, Gibside, Ravensworth, South Shields. June—October.

2. M. SINUATOCOLLIS, De Jean.

Erichson, Gen. et Spec. Staph., 905.—*Phlœobium sinuato-colle, Boisd. et Lacord. Faun. Ent. Paris*, i., 493.—*Megarthus depressus, Steph. Illust. Mand.*, v., 332?

In Fungi. Gibside and elsewhere. July.

In this species there is a blunt tooth on the sides of the thorax, behind the middle.

3. M. DENTICOLLIS, Beck.

Erichson, Gen. et Spec. Staph., 906.—*Megarthus marginatus, Steph. Illust., Mand.*, v., 333, (*fœm.*) — *Megarthus emarginatus, Kirby, Ib. l.c.*, 332?—*Phlœobium marginicolle, De Jean, Boisd. et Lacord. Faun. Ent. Paris*, i., 493.—*Megarthus marginicollis, Heer, Fn. Col. Helv.*, i., 171.

In garden rubbish, &c. Long Benton.—*T. J. B.* Gibside.—*J. H.* March—August.

The male has the intermediate femora thickened, and the tibiæ slightly bent; the posterior femora are also thickened, the trochanters strongly dilated, the tibiæ emarginate before the apex, and the apex is furnished with a claw.—(*Erichson.*)

SUB-FAMILY 8. MICROPEPLIDÆ.

154. MICROPEPLUS, Latreille.

1. M. PORCATUS, Fab.

Steph. Illust., Mand., iii., 55.—*Erichson, Gen. et Spec. Staph.*, 911.—*Omalium porcatum, Gyll. Ins. Suec.*, ii., 211.

In garden rubbish, and in damp places, not uncommon.

2. *M. STAPHYLINOIDES*, *Marsh.*

Steph. Illust., Mand., pl. xvi., f. 6.—*Manual*, No. 990.—*Erichson, Gen. et Spec. Staph.*, 913.—*Nitidula Staphylinoides, Marsh. Ent. Brit.*, i., 137.

Flying over old thatch and dung at Long Benton.—*T. J. B.*
Under stones near Marsden.—*J. H.* May—October.

Stephens' description of *M. Staphylinoides*, as Mr. Haliday observes (*Entomologist*, 187), is chiefly taken from Gyllenhal, whose insect was the *M. Tesserula* of Curtis, which has the interstices between the ridges on the elytra smooth, while they are punctate in *M. Staphylinoides*. It is perhaps owing to this error, that *M. Tesserula*, which is represented with the interstices "very minutely punctured," is found in Mr. Selby's List of the Insects found on Twizell estate.

SUB-FAMILY 9. TACHYPORIDES.

155. *HYPOCYPTUS*, *Schuppel.*1. *H. LONGICORNIS*, *Payk.*

Boisd. et Lacord. Faun. Ent. Paris, i., 521.—*Steph. Manual*, No. 2975.—*Erichson, Gen. et Spec. Staph.*, 215.—*Cypha rufipes, Steph. Illust., Mand.*, v., 187.

In Fungi, &c. "Twizell."—*P. J. Selby, Esq.* Gibside, Shields, Hartlepool. April—September.

156. *CONURUS*, *Stephens.*1. *C. LITTCREUS*, *Linn.*

Curt. Brit. Ent., pl. 762.—*Erichson, Gen. et Spec. Staph.*, 219.—*Steph. Manual*, No. 2981.—*Tachyporus cellaris, Gyll. Ins. Suec.*, ii., 244.—*Conurus cellaris, Steph. Illust., Mand.*, v., 189.—*Tachinus angularis, Ib., l.c.*, 193.

Under decayed bark of trees in damp places, rare. Woods on the Team, near Ravensworth, and on the Derwent, near Swalwell.—*J. H.* April.

2. *C. PUBESCENS*, *Grav.*

Steph. Illust., Mand., v., 189.—*Erichson, Gen. et Spec. Staph.*, 221.—*Tachyporus pubescens, Gyll. Ins. Suec.*, ii., 243.—*Conurus Marshami, Steph. Illust., Mand.*, v., 189.

Under bark and rubbish, in damp places; common within the district round Newcastle.

3. *C. PYRRHOPTERUS*, *Steph.*

Steph. Illust., Mand., v., 434. — *Conurus obscuripennis*, *Kirby, Ib., l.c., v., 191?*—*Conurus lividus*, *Erichson, Gen. et Spec. Staph., 229.*

Common, on sandy sea coasts. March—September.

This species is uniformly of a rufo-testaceous hue.

157. *TACHYPORUS*, *Grav.*

1. *T. OBTUSUS*, *Linn.*

Steph. Illust., Mand., v., 182.—*Erichson, Gen. et Spec. Staph., 232.*—*Tachyporus analis*, *Gyll. Ins. Suec., ii., 239.*—*Steph. Illust., Mand., v., 182.*—*T. melanurus*, *Marsh., Ib., l.c., 183.*

Var.? *T. nitidicollis*, *Steph., l.c., 184.*

In moss, common.

2. *T. HYPNORUM*, *Fab.*

Steph. Illust., Mand., v., 184.—*Erichson, Gen. et Spec. Staph., 234.*—*Tachyporus marginatus*, *Gyll. Ins. Suec., ii., 237.*—*Steph. Illust., Mand., v., 183.*—*T. nitidulus*, *Marsh., Ib. l.c., 184.*—*T. subtestaceous*, *Ib. l.c., 183. (Immat.)*

In moss, common.

The young immature testaceous varieties are found about mid-summer.

3. *T. CHRYSOMELINUS*. *Linn.*

Gyll. Ins. Suec., ii., 236.—*Steph. Illust., Mand., v., 181.*—*Erichson, Gen. et Spec. Staph., 235.*—*T. merdarius*, *Steph. Illust., Mand., v., 182.*—*T. marginellus*, *Marsh., Ib., l.c.*

In moss, common.

4. *T. PYRRHOPTERUS*, *Kirby.*

Steph. Illust., Mand., v., 181.

Not common. In moss from Ravensworth and Gibside.—*J*

H. January.

5. *T. RUFICOLLIS*, Grav.

Steph., Illust., Mand., v., 180.—*Erichson, Gen. et Spec. Staph., 239.*—*Heer, Fn. Col. Helv., i., 288.*

Not very common; in moss, from Gibside, Long Benton, Ravensworth, and the sea coast. January.

Erichson describes the antennæ as entirely testaceous; but in our specimens the apex is black or nigro-fuscous, with the base testaceous. In other respects the characters given are those of our insects.

6. *T. PUSILLUS*, Grav.

Gyll. Ins. Suec., ii., 241.—*Steph. Illust., Mand., v., 180.*—*Erichson, Gen. et Spec. Staph., 239.*—*T. atriceps, Steph. Illust., Mand., v., 181.*—*T. nigripennis, Ib., l.c., 180.*

In moss, not uncommon. "Twizell."—*P. J. Selby, Esq. Shoreston, Ravensworth, Gibside, Gosforth, South Shields, Marsden. January—August.*

7. *T. BRUNNEUS*, Fab.

Erichson, Gen. et Spec. Staph., 241.—*Tachyporus nitidulus, Gyll. Ins. Suec., ii., 242.*—*Boisd. et Lacord. Faun. Ent. Paris, i., 517.*—*Heer, Fn. Col. Helv., i., 290.*

In moss, not very common. Gosforth, Long Benton, Gibside, Ravensworth. January—June.

Under this species and the preceding, the greater number of the species enumerated in Stephens' first section are probably to be arranged as varieties.

158. *TACHINUS*, Grav.1. *T. SILPHOIDES*, Linn.

Gyll. Ins. Suec., ii., 267.—*Steph. Illust., Mand., v., 194.*—*Erichson, Gen. et Spec. Staph., 245.*

Abundant in hot beds, also in horse dung. "Twizell."—*P. J. Selby, Esq. Cheviot.—Dr. Johnston. Long Benton, Gibside, South Shields, &c. June.*

2. *T. RUFIPES*, Linn.

Steph. Illust., Mand., v., 196.—*Erichson, Gen. et Spec. Staph., 254.*—*Tachinus pullus, Grav. Micr., 140.*—*Gyll. Ins.*

Suec., ii., 262.—*Steph. Illust., Mand.*, v., 196.—*T. apicalis*,
Ib. l.c., 195.—*T. fulvipes*, *Ib. l.c.*—*T. pallens*, *Gyll. Ins.*
Suec., ii., 259.—*Steph. Illust., Mand.*, v., 198. (*Immatur.*)

Common.

3. *T. HUMERALIS*, *Grav.*

Gyll. Ins. Suec., ii., 257.—*Boisd. et Lacord. Faun. Ent.*
Paris, i., 507.—*Erichson, Gen. et Spec. Staph.*, 256.—
Tachinus cinctus, *Marsh., Steph. Illust., Mand.*, v., 197.—
T. scapularis, *Ib. l.c.*

In carcasses, Fungi, &c. “Twizell.”—*P. J. Selby, Esq.* Gib-
side, Ravensworth, Long Benton, South Shields, &c. June—
November.

4. *T. SUBTERRANEUS*, *Linn.*

Gyll. Ins. Suec., ii., 252.—*Steph. Illust., Mand.*, v., 198.—
Erichson, Gen. et Spec. Staph., 259.

Not uncommon. It is usually a vernal insect, appearing in
February.

5. *T. MARGINELLUS*, *Fab.*

Gyll. Ins. Suec., ii., 265.—*Steph. Illust., Mand.*, v., 194.—
Erichson, Gen. et Spec. Staph., 263.—*Tachinus laticollis*,
Grav. Micr., 141.—*Steph. Illust., Mand.*, v., 194.

Common. February—November.

6. *T. COLLARIS*, *Grav.*

Gyll. Ins. Suec., ii., 266.—*Steph. Illust., Mand.*, v., 193.—
Erichson, Gen. et Spec. Staph., 264.—*Tachinus corticinus*,
Grav. Micr., 141.—*Steph. Illust., Mand.*, v., 193.

Not common. “Twizell.”—*P. J. Selby, Esq.* Long Benton,
and South Shields.—*T. J. B.* March—June.

7. *T. ELONGATUS*, *Gyll.*

Gyll. Ins. Suec., ii., 251.—*Steph. Illust., Mand.*, v., 199.—
Erichson, Gen. et Spec. Staph., 265.—*Tachinus aterrimus*,
Steph. Illust., Mand., v., 199.

Not common. “Twizell.”—*P. J. Selby, Esq.* Banks of Wooller
water, and in the woods, above Winlaton Mill.—*J. H.* August.

159. BOLETObIUS, *Leach*.1. B. ANALIS, *Payk*.

Erichson, Gen. et Spec. Staph., i., 269.—*Heer, Fn. Col. Helv.*, i., 297.—*Megacronus analis, Steph. Illust., Mand.*, v., 165.—*Tachinus analis, Gyll. Ins. Suec.*, ii., 269.

In moss and under stones. "Twizell."—*P. J. Selby, Esq.* Long Benton, Wolsington, South Shields, Gateshead Fell, Marsden, Ravensworth. January—August.

2. B. FORMOSUS, *Grav*.

Erichson, Gen. et Spec. Staph., 271.—*Megacronus formosus, Steph. Illust., Mand.*, v., 167, pl. xxvi., f. 5.

Rare. One specimen taken in a quarry near Fugar Bar.—*J. H.* November.

3. B. CASTANEUS, *Steph*.

Megacronus castaneus, Steph. Illust., Mand., v., 166.—*Boletobius rufus, Erichson, Gen. et Spec. Staph.*, 273.

Rare. One specimen taken at Long Benton.—*T. J. B.*

4. B. ATRICAPILLUS, *Fab*.

Steph. Illust., Mand., v., 172.—*Erichson, Gen. et Spec. Staph.*, 276.—*Tachinus atricapillus, Gyll. Ins. Suec.*, ii., 273.

In Fungi: common. This, according to Zetterstedt and Westwood is the true Linnæan *Staph. lunulatus*.

5. B. TRIMACULATUS, *Payk*.

Steph. Illust., Mand., v., 172.—*Erichson, Gen. et Spec. Staph.*, 279.—*Tachinus trimaculatus, Gyll. Ins. Suec.*, ii., 275.

Var. *Boletobius trinotatus, Erichson, Gen. et Spec. Staph.*, 279.

In Fungi, under bark, and on trunks of trees. "Twizell."—*P. J. Selby, Esq.* Gibside, Ravensworth, woods above Swalwell. April—October.

6. B. ANGULARIS, *Steph*.

Steph. Illust., Mand., v., 173.—*Boletobius exoletus, Erichson, Gen. et Spec. Staph.*, 280.

In Agarics. Gibside, woods on the Derwent, above Winlaton, and Gosforth. August.

7. *B. PYGMÆUS*, *Panz.*

Steph. Illust., Mand., v., 174.—*Erichson, Gen. et Spec. Staph., 280.*

In Agarics, common. "Twizell."—*P. J. Selby, Esq.* Gosforth, Gibside, Ravensworth, &c. July and August.

Stephens has given several other species, but they may nearly all be reduced to varieties of *B. angularis*, and *B. pygmæus*.

160. *MYCETOPORUS*, *Mannerheim.*1. *M. LONGULUS*, *Mannerh.*

Elongatus, niger, nitidus; antennis nigris, basi testaceis; thorace nigro, disco utrinque puncto uno alterove impresso; elytris rubris, scutello, summo basi plerumque, et margine exteriori nigris, utrinque tribus seriebus punctorum obsitis, harum stria dorsali regulari: abdomine longo, nigro, crebre fortiter punctato, margine postico segmentorum tenuiter, apiceque, rufo-piceis; pedibus rufis, femoribus posticis interdum nigricantibus. Long. $2\frac{1}{2}$ lin.

Boisd. et Lacord. Faun. Ent. Paris, i., 503.—*Erichson, Gen. et Spec. Staph., 283.*—*Heer, Fn. Col. Helv., i., 296*—

Mycetoporus nigricollis, Steph. Illust., Mand., v., 434?

Under moss, in shady and damp places. "Twizell."—*P. J. Selby, Esq.* Prestwick Car, Gibside, Ravensworth. — *J. H.* South Shields and Gosforth.—*T. J. B.* January—May.

This is usually considered as *M. splendens*. From the abstract given of its character, any further description here will be unnecessary.

2. *M. LEPIDUS*, *Knoch.*

Erichson, Gen. et Spec. Staph., 284.—*Steph. Manual, No. 3020.*—*Tachyporus lepidus, Gyll. Ins. Suec., ii., 247.*—*Ischnosoma lepidus, Steph. Illust., Mand., v., 169.*

Var. Ischnosoma punctato-striatus, Steph. l.c.

In similar places with the preceding. Ravensworth, Gibside, Shields, Hartlepool.—*J. H.* In the dried-up bed of the lake at Gosforth.—*T. J. B.* March—July.

3. *M. SPLENDIDUS*, Grav.

Erichson, Gen. et Spec. Staph., 287.—*Steph. Manual*, No. 3023.—*Ischnosoma splendidus*, *Steph. Illust., Mand.*, v., 170.—*Tachyporus splendidus*, *Gyll. Ins. Suec.*, ii., 249.

Rare. Coast near Monkhouse, and in moss from the low part of the Ravensworth woods.—*J. H.* March.

SUB-FAMILY 10. ALEOCHARIDES.

SECT. 1. GYMNUSIDA, Heer.

161. MYLLÆNA, *Erichson*.1. *M. DUBIA*, Grav.

Erich. Gen. et Spec. Staph., 210.—*Steph. Manual*, No. 2931.—*Gymnusa dubia*, *Steph. Illust., Mand.*, v., 430.—*Centroglossa conuroides*, *Matthews, Ent. Mag.*, v., 195, f. 1.—*Steph. Manual*, No. 2934.

Among gravel, under the foot bridge over Caer burn, on the way to Langleyford.—*J. H.*

2. *M. GRACILIS*, Heer.

Ferrugineo-vel piceo-testacea, subnitida, cinereosericea, elytri fortiter transversis, thoracis angulis posticis obtusiusculis. abdomine, margine segmentorum posticorum, anoque testaceis, exceptis, nigricante; antennis pedibusque testaceis
Long. 1—1 $\frac{1}{4}$ lin.

Heer, Fn. Col. Helv., i., 303.

Intermediate in size betwixt *M. minuta* and *dubia*, somewhat shining, rather thickly finely griseous pubescent, head, thorax, and elytra of a dull ferruginous. Antennæ scarcely longer than the head, shorter than in *M. dubia*, thin, scarcely thickened outwardly, apical joint rather large, shortly rotundate ovate, abruptly pointed, dull testaceous. Mouth and palpi testaceous; third joint of the latter with its apex rather pointed. Head inclined, subtriangular, rostrum much sharpened; much less than the thorax; above convex, rather dusky ferruginous. Thorax of a considerable size, at the middle broader than the elytra, narrowed anteriorly; sides slightly widened, rounded before the middle, as well as the anterior angles deflexed, base truncate, posterior angles nearly right angled, rather blunt; considerably convex transversely,

finely shortly pubescent, rather shining, testaceous, or with the disk more obscure. Elytra almost narrower than the thorax, and much shorter, transverse, slightly convex, apex sinuate, slightly cut out at the exterior angles; very minutely and closely punctulate, piceo-ferruginous, sometimes duskier. Abdomen longer than the anterior part of the body, at the base of the breadth of the elytra, gradually narrowed towards the apex, fuscous black, edges of the segments sometimes narrowly, half of the fifth, and the apical one entirely, ferruginous, the sides and the apex setulose; clothed with rather a dense, shining, silky, fine, griseous pubescence. Legs testaceous.

In damp places. Sides of the Derwent, and in the Ravensworth woods.—*J. H.* March—June.

An active insect, found in swamps, running out of view like a *Conurus*. At first I was dubious in referring our insect to the Swiss species, from the brighter colour ascribed to the latter. In Mr. Wollaston's collection, however, there is a specimen from the Isle of Wight, almost entirely testaceous; and the Rev. W. Little has furnished me with a Continental type of Heer's insect, identical with my specimens. Of *Myllæna grandicollis* of Kiesenwetter, said likewise to be of a ferruginous hue (*Ray Soc. Reports*, 1847, p. 328). I have not had an opportunity of consulting the description.

SECT. 2. HOMALOTIDA, *Heer*.

162. GYROPHÆNA, *Mannerheim*.

1. *G. COMPLICANS*, *Kirby*.

Erichson, Gen. et Spec. Staph., 184.—*Encephalus complicans*,
Steph. Illust., Mand., v., 164, pl. xxvi., f. 4.

Rare. Woods above Swalwell.—*J. H.* In moss from Cramlington. *T. J. B.* March—June.

“This is a very singular little animal, in some circumstances agreeing with *Agathidium*. By applying closely its head to its breast, and covering its elytra with its abdomen, it assumes the appearance of a minute shining black stone.”—*Kirby*.

2. *G. NANA*, *Payk*.

Erichson, Gen. et Spec. Staph., 184.—*Steph. Manual*, No.

2872.—*Aleochara nana*, *Gyll. Ins. Suec.*, ii., 414.—*Steph. Illust., Mand.*, v., 152.—*A. fasciata*, *Marsh, Ib., l.c.*, 151.

In Agarics. Greencroft and Gosforth.—*T. J. B.* Woods above Swalwell.—*J. H.* June.

163. OLIGOTA, *Mannerheim.*

1. *O. PUSILLIMA*, *Grav.*

Erichson, Gen. et Spec. Staph., 179.—*Steph. Manual*, No. 2865.—*Aleochara pusillima*, *Gyll. Ins. Suec.*, iv., 491.—*Steph. Illust., Mand.*, v., 431.

Rare. In moss, under rubbish, &c. Ravensworth woods.—*J. H.* Newcastle.—*T. J. B.* March—July.

164. PHYTOSUS, *Rudd.*

1. *P. SPINIFER*, *Rudd.*

Curt. Brit. Ent., pl. 718.—*Steph. Manual*, No. 3333.—*Erichson, Gen. et Spec. Staph.*, 178.

Under decaying sea-weed, or in the sand which it covers. Hartley.—*T. J. B.* Monkhouse, near Beadnell, South Shields, and Marsden; also under stones below high water mark, near the Heather houses.—*J. H.* April—August.

The males occur much more numerously than the females.

165. ALEOCHARA, *Gravenhorst.*

1. *A. FUSCIPES*, *Fab.*

Gyll. Ins. Suec., ii., 430.—*Steph. Illust., Mand.*, v., 160.—*Erichson, Gen. et Spec. Staph.*, 163.

In carcasses, &c. "Twizell."—*P. J. Selby, Esq.* Coast near Shoreston, Tyneside, Gateshead Fell, &c. July.

2. *A. NITIDA*, *Grav.*

Gyll. Ins. Suec., ii., 435.—*Steph. Illust., Mand.*, v., 159.—*Erichson, Gen. et Spec. Staph.*, 167.—*Aleochara Cursor*, *Kirby, Steph. Illust., Mand.*, v., 159.—*Holme, Trans. Ent. Soc. Lond.*, ii., 62.

Under dung and sea-weed, especially on the coast. "Twizell." — *P. J. Selby, Esq.* Budle, North Sunderland, Hartley, South Shields, Ravensworth, Marsden, Hartlepool. April—July.

3. *A. LANUGINOSA*, Grav.

Gyll. Ins. Suec., ii., 432.—*Steph. Illust., Mand.*, v., 157.—
Erichson, Gen. et Spec. Staph., 168.

Common.

4. *A. MÆSTA*, Grav.

Erichson, Gen. et Spec. Staph., 170.—*Steph. Manual*, No. 2890.—*Aleochara concolor*, Kirby, *Steph. Illust., Mand.*, v., 153.—*Aleochara fumata*, *Gyll. Ins. Suec.*, ii., 434.

Not so common as the preceding. "Twizell."—*P. J. Selby, Esq.* Long Benton, Ravensworth, South Shields. May.

5. *A. RUFICORNIS*, Grav.

Erichson, Gen. et Spec. Staph., 170.—*Aleochara Daltoni*, *Steph. Illust., Mand.*, v., 161.—*Ceranota Daltoni*, *Ib., Manual*, No. 2906.

In woods, rare. In moss, from Gosforth woods.—*T. J. B.* Ravensworth woods.—*J. H.* June.

6. *A. MORION*, Grav.

Steph. Illust., Mand., v., 155.—*Erichson, Gen. et Spec. Staph.*, 175.—*A. exigua*, *Steph. Illust., Mand.*, v., 433.

Rare. Budle Crag, Wooler haugh, Bamburgh, Embleton, and South Shields.—*J. H.* Cullercoats and Prestwick Car.—*T. J. B.* April—July.

The legs, as well as the base of the antennæ, are pitchy in our specimens.

7. *A. OBSCURELLA*, Grav.

Gyll. Ins. Suec., ii., 403.—*Erichson, Gen. et Spec. Staph.*, 176.—*Polystoma obscurella*, *Steph. Manual*, No. 2758.—*Aleochara dubia*, *Steph. Illust., Mand.*, v., 112?—*A. micans*, Kirby, *Ib., l.c.*, 113.—*A. Kirbii*, *Ib., l.c.*, 113.—*A. sericea*, Leach, *Ib., l.c.*, 155.

Under sea-weed, common on the sea-coast.

166. OXYPODA, *Mannerheim.*1. *O. UMBRATA*, Gyll.

Erichson, Gen. et Spec. Staph., 144.—*Aleochara umbrata*, *Gyll. Ins. Suec.*, ii., 424.—*Steph. Illust., Mand.*, v., 148?

Under garden rubbish, Fungi, &c. Ravensworth, Hartlepool,

and near Swalwell.—*J. H.* Ouseburn dean and Long Benton.—*T. J. B.* April—August.

2. *O. LONGIUSCULA*, *Grav.*

Erichson, Gen. et Spec. Staph., 144.—*Steph. Manual*, No. 2914.—*Aleochara longiuscula*, *Gyll. Ins. Suec.*, iv., 485.

Under herbage and rubbish, in damp places. On the banks of the Team, near Ravensworth, and on the sea coast at Marsden and Hartlepool.—*J. H.* March.

3. *O. ALTERNANS*, *Grav.*

Erichson, Gen. et Spec. Staph., 145.—*Steph. Manual*, No. 2920.—*Aleochara alternans*, *Gyll. Ins. Suec.*, ii., 419.—*Steph. Illust., Mand.*, v., 432.—*A. concinna*, *Leach, Ib. l.c.*, 141.

In Agarics. Near Axwell.—*T. J. B.* Ravensworth woods.—*J. H.* August—November.

4. *O. TESTACEA*, *Erich.*

Elongata, rufo-testacea, subtiliter sericeo-pubescens, thorace brevi, leviter convexo, abdomine distinctius punctato, segmentis intermediis basi fuscescentibus. Long. $1\frac{1}{2}$ lin.

Erichson, Gen. et Spec. Staph., 146.

Small, elongate, somewhat less than *Homalota circellaris*, shaped not unlike a *Tachyporus* or a *Myllæna*, dilute rufo-testaceous, rather shining, clothed with a fine, depressed griseo-sericeous down, more conspicuous on the abdomen. Antennæ short, not so long as the head and thorax, much thickened externally, base thin, 2nd joint a little larger than the 3rd, 4—10 shorter, strongly transverse, very compact, forming a club, the last largest, sub-globose, obtuse at the apex, testaceous, hue of the apex deepest. Head sub-ovate, not large, closely applied to the thorax, piceo-rufous, very finely punctate. Thorax equal in breadth with the elytra, considerably shorter than broad, not very much narrowed in front, sides slightly, base scarcely rounded, anterior angles obtuse, deflexed; transversely convex, shining testaceous red. Elytra scarcely longer than the thorax, sides parallel, very thickly and finely punctulate, ferrugineo-testaceous. Abdomen elongate,

at base of the width of the elytra, parallel, narrowed and rather subulate towards the apex, very thickly and finely punctate, obscure rufo-testaceous, intermediate segments sometimes with the base dusker, the apex more dilute. Legs testaceous.

Sometimes entirely testaceous.

Closely allied to the German *O. ferruginea*, but more robust, lighter coloured, the antennæ stouter.

Rare. In moss, brought from Ravensworth woods.—*J. H. March*.

5. *O. BREVICORNIS*, *Kirby*.

Steph. Manual, No. 2917.—*Aleochara brevicornis*, *Ib. Illust., Mand.*, v., 149.—*Oxypoda cuniculina*, *Erichson, Gen. et Spec. Staph.*, 149.—*Heer, Fn. Col. Helv.*, i., 320.

Under rubbish, &c. "Twizell."—*P. J. Selby, Esq.* Woods on the Team, South Shields, and Marsden.—*J. H. March*—June.

6. *O. LENTULA*, *Erich.*

Brevis, nigra, subopaca, subtiliter pubescens, antennis brevibus, gracilioribus, nigri, pedibus nigro-piceis, thorace transverso, basi supra scutellum vix impresso. Long 1 lin. et plus.

Erichson, Gen. et Spec. Staph., 150.

Much resembling *O. brevicornis*, but smaller, darker, the antennæ less thickened; black, thickly and very finely punctulate, slightly sericeous pubescent, sub-opaque, abdomen slightly shining. Antennæ short, about the length of the head and thorax, very slightly thickened towards the apex, 3rd joint slightly shorter than the 2nd, the rest short, slightly transverse, the last somewhat thicker than the two preceding, and about their united length, subovate, obtuse; black, the base obscure piceous. Palpi nigro-piceous. Head ovate, small, the front convex. Thorax behind nearly of the breadth of the elytra, a little narrowed anteriorly, anterior angles sub-deflexed, transverse, the length scarcely equal to half the breadth, the sides strongly, the base slightly rounded; slightly convex, the base scarcely foveolated,

the back with a very obsolete longitudinal depression. Elytra considerably longer than the thorax, above not quite flat, broadest at the apex, concolorous. Abdomen rather short, not quite of the length of the anterior part of the body, finely punctulate, more distinctly pubescent, slightly narrowed at the apex, the apex piceous, edges of the segments beneath, concolorous. Legs piceous, tibiæ and tarsi more dilute.

Darker than Erichson's description would lead us to infer, but appears to differ in no other respect. Wooler, South Shields, and on the Team, near Ravensworth.—*J. H.* March.

167. HOMALOTA, *Mannerheim*.

1. *H. GRAMINICOLA*, *Grav.*

Erichson, Gen. et Spec. Staph., 81.—*Bolitochara graminicola*, *Steph. Manual*, No. 2785.

Under moss and rubbish, in damp places. In the marshy woods on the Team, below Ravensworth.—*J. H.* January—March.

2. *H. NIVALIS*: *Sub-linearis, nigra, nitida, subdepressa; antennis nigris, articulo primo piceo; thorace coleopteris latitudine subæquali, ad basin obsolete foveolato; abdomine segmentis tribus primis crebre, ceteris sparsim punctatis; pedibus piceis.* Long. $1\frac{1}{4}$ lin.

H. nivalis, Kiesenwetter, secund. Exempl. penes me.

Beneath stones in mossy soil, towards the summit of Hedgehope.—*J. H.*

Allied to *H. graminicola*, but considerably smaller, and having the antennæ somewhat differently constructed; black, shining, sub-depressed, sub-linear, with a thin dark griseous pubescence; antennæ about the length of the head and thorax, less gracile than in *H. graminicola*, the joints rather closely set, and considerably thickened towards the tip, the thickened joints short cup-shaped, the terminal one larger, slightly lengthened-ovate, scarcely as long as the two preceding, the tip acuminate, black, the first joint piceous or nearly concolorous; palpi black, the minute apical joint piceous; head somewhat rounded, narrower than the thorax, very finely punctulate, with, in some specimens,

a very slight depression near the crown; thorax anteriorly about the breadth of the thorax, slightly narrowed posteriorly, very finely and rather thickly punctulate, with a very obsolete depression at the base, which is produced along the back anteriorly till about the disk; elytra sub-depressed, short, about the length of the thorax, black, scarcely piceous, more strongly and thickly punctured; abdomen sub-parallel, narrower towards the apex, the first three segments rather strongly and thickly punctate, the next three smooth, with a few scattered punctures, the sixth, in the male, roughened, with raised points, the apex piceous; legs piceous; the tibiæ and tarsi rufescent.

H. graminicola is a much larger insect, and scarcely so depressed, with longer and more slender antennæ, and with the elytra more unequal and more strongly punctate, and markedly broader than the thorax.

The Continental example of Kiesenwetter's species that I have cited, came from Paris, and is, unfortunately rather imperfect. It is a small female, and seems identical with our specimens. I am unable to refer to the author's description.

3. *H. VICINA*, Kirby.

Aleochara vicina, *Steph. Illust., Mand.*, v., 116.—*Bolitochara vicina*, *Steph. Manual*, No. 2807.—*Homalota umbonata*, *Erichson, Gen. et Spec. Staph.*, 82.

Rare. "Twizell."—*P. J. Selby, Esq.* Links, near Shoreston, woods above Swalwell, and at Marsden.—*J. H. March*—Aug.

4. *H. ALGÆ*, Hardy.

Linearis, nigra, subnitida, tenuiter griseo-pubescens, confertim punctata, antennis nigris, basi piceis; pedibus piceis, tarsis flavis; thorace subquadrato, subtiliter omnium tenue longitudinaliter impresso; elytris quadratis, utrinque apice exteriori in denticulum minuta in productis; abdominis apice sub-piceo. Long. $1\frac{1}{3}$ lin.

Dilutiora antennis fusco-ferrugineis, basi, ore, pedibus anoque testaceis.

Aleochara carbonaria, Kirby, *Steph. Illust., Mand.*, v., 123?—

A. subpubescens, Kirby, *Ib. l.c.*?

In the dark specimens, very much resembling *Tachyusa foveola*, in shape and colouring, but much less, with more evident puncturing, and the colour somewhat deeper. Linear, black, rather shining, abdomen more shining, with a slight griseous down, more distinct upon the elytra. Antennæ rather short, of the length of the head and thorax, rather slender at the base, not very much thickened externally, 2nd and 3rd joints slender, sub-elongate nearly equal, the rest short, separate, 4th very small, 7—10 incrassate, 9th and 10th sub-transverse, the apical still larger, rotundate ovate, shortly acuminate; black, the three basal joints scarcely piceous; or, in the variety, externally more or less fuscous, the basal joints ferrugineo-testaceous. Palpi piceous at the apex; mouth rufo-piceous; in the variety, mouth, mandibles, and palpi at the base testaceous, apical joint of the last, fuscous. Head very little narrower than the thorax, sub-rotundate, rather convex behind, thickly and finely punctate, more widely on the forehead, front with a minute obsolete longitudinal foveolet. Thorax not much narrower than the base of the elytra, sub-rotundate, short, rather shorter than broad, scarcely narrowed behind, the angles more than the sides rounded, base slightly rounded, sub-convex, base scarcely impressed, the back with an obsolete rather slender depression or channel, sometimes imperceptible, thickly, closely, and finely punctate. Elytra quadrate, the sides straight, about a third longer than the thorax, not quite flat, shoulders rather prominent, the apex at the exterior angles slightly excavated, and the angle produced into a distinct prominent tooth-like process; very thickly, closely, finely, but distinctly punctate, clothed with a more distinct griseous pubescence, less shining, concolorous. Abdomen narrower than the apex of the elytra, sub-parallel, shining, of a deeper black, first three segments above finely and thickly punctate, 4th with fewer punctures, 5th smoother but scarcely less punctate than the 4th, 6th again thickly punctate, the apex scarcely piceous; in the variety, apical half of the 5th, the 6th entirely, and the anus ferruginous. Legs nigro-piceous, femora and tibiæ darkest, anterior tibiæ sometimes rufo-piceous; tarsi flavescent; in the variety entirely ferrugineo-testaceous.

In one specimen, the 6th segment above has in the middle, a

little before the apex, a slight elevation, to which behind there is a shining depressed margin. It is one of the more dilute specimens, and is probably a male.

Under sea-weed at Marsden.—*J. H. Hartley*.—*T. J. B.* March and April.

This is, perhaps, the *Aleochara carbonaria*, Kirby, which Holme (*Trans. Ent. Soc. Lond.*, iii., iii.) represents as being found under sea-weed in the south of England; the description given by Stephens, however, is insufficient to allow of its being recognized.

5. *H. CALLICERA*, *Grav.*

Erichson, Gen. et Spec. Staph., 84.—*Callicerus Spencii*, *Steph. Illust. Mand.*, v., 165.—*Curt. Brit. Ent.*, pl. 443.—*Callicerus obscurus*, *Steph. Manual*, No. 2778.—*C. hybridus*, *Hal. Curt. Brit. Ent.*, fol. 443.—*Aleochara terminalis*, *Kirby, Steph., l.c.*, v., 121.

Rare. Budle Crag, Homildon Heugh, Whitsunbank Hill, and at the borders of fields above Swalwell.—*J. H.* February.

Taken by sweeping, and occurred only in the early part of spring.

6. *H. ELONGATULA*, *Grav.*

Erichson, Gen. et Spec. Staph., 89.—*Aleochara elongatula*, *Gyll. Ins. Suec.*, ii., 398.—*Steph. Illust., Mand.*, v., 127.—*Aleochara terminalis*, *Gyll. Ins. Suec.*, ii., 397.—*A. teres*, *Gyll., l.c.*, ii., 390.

In damp situations, not common. Ravensworth woods, Marsden, and between the fissures of decayed magnesian limestone, and among gravel, on the beach of a little bay, south of the links at South Shields, where a run of water comes over the bank.—*J. H. Long Benton*.—*T. J. B.* April.

On the sea coast, it was feeding on a species of *Coelopa*.

7. *H. IMMERSA*, *Erich.*

Linearis, depressa, nigra, nitida; antennarum basi pedibusque testaceis; fronte, thoraceque subquadrato late impressis, supra parce punctatis; elytris crebrius distinctius punctatis.

Long. $\frac{3}{4}$ —1 lin.

Erichson, Gen. et Spec. Staph., 96.

Flat, black, linear, sparingly and indistinctly pubescent. Antennæ slender, of the length of the head and thorax, 3rd joint very minute, shorter than the 2nd, 4—10 nearly equal, very minute, transverse obconic, the last very considerably larger, ovate; dark piceous, the base pale testaceous. Head of the breadth of the thorax, and a little shorter than it, transverse subquadrate, rather abruptly contracted before the eyes, flat, the whole front impressed; viewed laterally, having an obsolete longitudinal central channel, vanishing anteriorly; finely and sparingly punctate. Thorax subquadrate, anteriorly a little narrower than the elytra, somewhat dilated before the middle, rather narrowed towards the base, finely and sparingly punctate, flat, with a broad shallow depression from the base to beyond the middle. Elytra nearly one half longer than the thorax, and very considerably broader than its base, flat, the sides straight, concolorous (fusco-testaceous, *Er.*), thickly and distinctly punctate. Abdomen narrower than the elytra, sub-parallel, or wider towards the apex, the last segment alone narrowed, the first four segments rather strongly impressed across the base, black, shining, the apex piceo-testaceous, with a scattered almost invisible punctulation. Femora nigro-piceous, their apices, the tibiæ, with a slight duskiness in the middle of the posterior ones excepted, dilute piceo-testaceous.

Rare. Under the bark of mountain ash at Ravensworth, in spring.—*J. H.* March.

8. *H. CIRCELLARIS*, *Grav.*

Erichson, Gen. et Spec. Staph., 98.—*Aleochara circellaris*, *Gyll. Ins. Suec.*, ii., 388.—*Bolitochara circellaris*, *Steph. Manual*, No. 2784.—*A. cingulata*, *Kirby, Steph. Illust., Mand.*, v., 126.

In moss, generally diffused.

9. *H. RUFESCENS*, *Kirby.*

Aptera, nigra, thorace, antennarum basi apiceque, pedibus, anoque rufis, elytris sat fortiter punctatis, sublacunosus, abdomine postice sublatiore. Long. 1 lin.

Var. *Nigra, abdominis apice, pedibus, antennarum basi rufis.*

Aleochara rufescens, *Steph. Illust., Mand.*, v., 128.—*Bolitochara circellaris*, var. *Ib. Manual*, No. 2784.

Closely allied to *H. circellaris*, but smaller, head and thorax shorter, the elytra more deeply punctate, not quite so depressed, the abdomen somewhat wider towards the apex, the penultimate segment of the abdomen above in the male, with a short elevated shining ridge, instead of a prominent tooth; the colours also brighter. Shining, nearly glabrous. Antennæ slightly longer than the head and thorax, gradually thickened exteriorly, not so stout as in *H. circellaris*, dusky, ferruginous, the base and apical joint paler, or in dark specimens, rufous only at the base, the joints short, compact, the last rounded, abruptly acuminate. Mouth and palpi testaceous. Head short, closely applied to the thorax, narrowed anteriorly, black, finely punctate. Thorax about the breadth of the elytra, somewhat orbicular, the apex truncate, sides and base nearly equally rounded, bright rufous or concolorous, convex above, thickly and finely punctate, the base obsoletely foveolated. Elytra short, about the length of the thorax, and somewhat broader, scarcely depressed, as a whole, surface, especially in the male, deeply depressed behind the scutellum, and longitudinally on the disk behind the shoulders thickly, rather strongly, and distinctly punctate, black. Abdomen rather narrowed towards the base, and becoming wider towards the tip, the apex abruptly narrowed, first four segments thickly and finely punctate, but more distinctly than in *H. circellaris*, 5th smoother, obsoletely punctate, the male marked with a raised shining ridge in the middle, which is nearly one half of the length of the segment; the apex, and sometimes the two basal joints rufous.

In Polypori, and under bark, but never in moss. Ravensworth woods, Gibside, &c. March—November.

In some collections, this is named *Bolitochara inquinula*.

10. H. BRUNNEA, *Fab.*

Erichson, Gen. et Spec. Staph., 98.—*Bolitochara brunnea*, *Steph. Manual*, No. 2802.—*Aleochara depressa*, *Gyll. Ins. Suec.*, ii., 401.

In Fungi. "Twizell."—*P. J. Selby, Esq.* Gibside.—*J. H.* August.

Varieties of this species form the *Aleochara cinnamomea*, *A. zonalis*, *A. atriceps*, *A. nigriceps*, and *A. thoracica*, of Stephens.—*Vide Manual, ubi sup.*)

11. *H. SERICANS*, *Grav.*

Heer, Fn. Col. Helv., i., 327, 17.—*Aleochara sericans*, *Gyll. Ins. Suec.*, ii., 404.—*Bolitochara sericans*, *Steph. Manual*, No. 2803.

Beneath sea-weed and stones, near the mouth of Waren water, at Budle.—*J. H.*

This is distinguished from *H. socialis*, with which Erichson, in his latest work, has combined it, by the shorter and much stouter antennæ, the last joint of which is thick ovate and bluntish at the tip, and the colour ferruginous or piceous; by the somewhat greater distinctness of its puncturing; by the roundness of the thorax, which is obsoletely channelled up the middle; and by the piceous or concolorous elytra.

12. *H. SOCIALIS*, *Payk.*

Erichson, Gen. et Spec. Staph., 102.—*Aleochara socialis*, *Gyll. Ins. Suec.*, ii., 406.—*Steph. Illust., Mand.*, v., 134.—*Aleochara euryptera*, *Ib. Illust., Mand.*, v., 135.—*A. xanthoptera*, *Kirby, Ib. l.c.*, 116.—*A. femorata*, *Marsh, Ib. l.c.*, 122.

In Fungi, at the sap of felled trees, &c. Common. Twizell, Gosforth, Ravensworth, Gibside, &c.

13. *H. AUTUMNALIS*, *Erich.*

Linearis, nigra, nitidula, antennis nigro-fuscis, basi dilutioribus, pedibus testaceis, thorace postice canaliculato impressoque, abdomine supra segmentis quatuor primis creberrime punctatis. Long. $1\frac{1}{2}$ lin.

Erichson, Gen. et Spec. Staph., 113.

Of the appearance of *H. elongatula* and *Tachyusa frontalis*, but smaller, nearly glabrous, antennæ shorter and thinner; head small, immersed in the thorax. Linear, elongate, sub-depressed,

black, shining, with very indistinct pubescence. Antennæ a little longer than the head and thorax, rather slender, slightly thickened at the apex, 2nd and 3rd joints sub-equal, the rest short, obconic, 7—10 slightly transverse, the last scarcely thicker, elongate ovate, moderately acuminate, black or nigro-fuscous, the basal joint, and the bases of the 2nd and 3rd piceous, or several of the basal joints testaceous. Palpi testaceous at the base, the tip fuscous. Head rotundate, sunk into the thorax, and narrower than it, rather convex, very finely punctulate, obsolete longitudinally impressed. Thorax not quite of the breadth of the elytra, sub-quadrate, scarcely so long as broad, sides before the middle slightly rounded, scarcely narrowed behind, anterior angles rounded, posterior obtuse, sub-convex, an impression at the base connected with an elongate channel, which is sometimes obsolete anteriorly. Elytra considerably longer than the thorax, nearly equal in length and breadth, flattish, depressed down the suture, thickly and exceedingly finely punctulate, nigro-fuscous. Abdomen parallel, narrowed at the tip, which is piceous, above with the first four segments closely and thickly punctate, the two last segments more shining, sparingly punctate, with the punctures in one sex raised into granulations. Legs testaceous, posterior tarsi short.

In marshy situations, not uncommon. On the Team, at Ravensworth, Gibside, Marsden, Hartley, Long Benton, Dunstanborough Castle, banks of Wooler water, and of the Till. January—October.

14. H. ANALIS, *Grav.*

Erichson, Gen. et Spec. Staph., 114.—*Bolitochara analis Steph. Manual*, No. 2793.—*Aleochara inquinula, Kirby Steph. Illust., Mand.*, v., 128.—*A. foveolata, Ib. l.c.*—*A. nigro fusca, Ib. l.c.*, 129.

In moss, and at the roots of grass, common.

15. H. ANGUSTA, *Steph.*

Aleochara angusta, Steph. Illust., Mand., v., 139.

Under sea-weed and stones, at South Shields, and Marsden.—
J. H. March.

16. *H. CAUTA*, *Erich.*

Nigra, nitidula, pedibus nigris vel fuscis, thorace transverso, leviter convexo, basi obsolete canaliculato, abdomineque supra basi confertim, postice parce punctato margine pilosellis. Long 1—1¼ lin.

Erichson, Gen. et Spec. Staph., 122.—Heer, Fn. Col. Helv., i., 335.—Aleochara atricornis, Steph. Illust., Mand., v., 2830?

Somewhat of the shape of *H. longicornis*, but much smaller, more linear, and rather more shining. Black, shining, head, thorax, and elytra with a slight ænescent tint, sides of the thorax and abdomen with long projecting hairs. Antennæ of the length of the head and thorax, very thin at the base, the apex very slightly thicker, 3rd joint rather longer than the 2nd, 4—6 sub-globose, 7—10 sub-turbinate, not thicker than long, the last elongate, ovate, about the length of the two preceding, and appearing rather thicker, sub-acuminate; entirely black. Palpi black. Head narrower than the thorax, nearly rotundate, thickly and finely punctate, a minute round foveolet on the crown. Thorax narrower than the elytra, shorter than broad, sides and posterior angles slightly rounded, anterior angles strongly rounded, deflexed; above transversely convex, finely and thickly punctate, the base slightly impressed, with a short obsolete channel. Elytra a little longer than the thorax, its sides straight, not quite flat, very thickly and finely punctate, black, with the disk fusconigrous. Abdomen more shining, rather tapered towards the apex, the first four segments very thickly and closely punctate, the rest smoother, sparingly, and more obsoletely punctate, sides and apex bristly. Legs black or nigro-piceous, tibiæ piceous, or flavescent, tarsi more dilute; tibiæ with two short projecting hairs.

In carcasses, dung, &c. Common. March—September.

17. *H. CELATA*, *Erich.*

Nigra subnitida, pedibus fuscis vel nigris, thorace transverso, parum convexo, basi obsolete canaliculato, abdomine supra toto confertim punctato. Long. ¾ lin.

Erichson, Gen. et Spec. Staph., 122.

Much resembling the preceding, but smaller, and still more linear, sub-depressed, of a deeper black, and less shining. Antennæ about the length of the head and thorax, thin, slightly thickened exteriorly, joints 4—10 very short, nodose, the last oblong-ovate, of the length of the two preceding, sub-acuminate, black. Palpi black. Head a little narrower than the thorax, rotundate, thickly but indistinctly punctate, a slight channel on the front above Thorax as in the preceding, sides not pilose. Elytra longer than the thorax, rather flat, thickly and finely punctate, black. Abdomen rather parallel, the sides scarcely pilose, thickly and very finely punctate throughout. Legs fuscous or black, tarsi yellowish, tibiæ, and the base of the femora, occasionally more dilute; bristles on the tibiæ imperceptible.

Common, in company with *H. cauta*.

18. *H. LONGICORNIS*, *Grav.*

Erichson, Gen. et Spec. Staph., 129.—*Heer, Fn. Col. Helv.*, i., 323.—*Aleochara longicornis, Steph. Illust., Mand.*, v., 114.

Var. Aleochara consimilis, Kirby, Steph. Illust., Mand., v., 116.

H. longicornis, var. a., Heer, Fn. Col. Helv., i., 323.

Not very common. Ravensworth, Gibside, and South Shields.—*J. H. Long Benton.—T. J. B. March—June.*

The tibiæ are furnished with two long bristles, and the sides of the thorax, and abdomen, and the apex of the latter are pilose. The elytra and femora are often nigro-piceous.

19. *H. LIVIDIPENNIS*, *Mannerh.*

Erichson, Gen. et Spec. Staph., 129.—*Oxypoda lividipennis, Steph. Illust., Mand.*, v., 432.

Not common. Bamburgh, Beadnell, Wooler, above Swalwell, and at South Shields.—*J. H. Hartley and Long Benton.—T. J. B. March—May.*

20. *H. HYGROPHILA*: *Fusiformis; nigra, nitidula, creberrime punctulata; thorace transverso, suborbiculato, cumque elytris pariter minus convexis; his fusco-piceis vel nigris;*

abdomine punctulato, segmentis ultimis vix lævioribus; ultimis duobus interdum piceo-testaceis; antennis rufo-testaceis, apicibus vix fuscescentibus; palpis pedibusque pallide testaceis. Long. corp. lin. 1½.

Homalota hygrophila, Hardy, MSS.

Under rubbish by the sides of streamlets; banks of the Team, Wooler water, &c.—*J. H.*

Spindle-shaped; black, shining; head sub-triangulate, considerably narrower than the thorax, finely punctulate, not impressed; antennæ rather long and slender, longer than the head and thorax, gradually thickening outwardly, the last joint about the length of the two preceding, and not thicker than they, oval, and slightly pointed, rufo-testaceous, sometimes duskier towards the tips; palpi pale testaceous; thorax sub-orbicular, slightly transverse, all the angles rounded, the posterior sub-depressed, only slightly convex above, very finely and closely punctulate, the base not impressed; elytra sub-quadrate, a little broader behind, not much longer than the thorax, and, excepting the depression down the suture, nearly of the same degree of convexity; very thickly and more distinctly punctate, and less shining than the thorax, black or fusco-piceous, in the latter case deepest tinted towards the base, shortly griseous pubescent; abdomen gradually tapering from the base to the tip, black, shining, the apex of the penultimate, and the terminal one entirely sometimes testaceous or piceous; closely and thickly punctulate throughout; the base of the two last scarcely more obsolete or sparsely; a few black hairs at the lateral margins of the segments and several around the apex; legs pale-testaceous.

168. PHLOEOPORA, *Erichson.*

1. *P. reptans, Grav.*

Erichson, Gen. et Spec. Staph., 77.—Steph. Manual, No. 2774.—Aleochara reptans, Gyll. Ins. Suec., ii., 389.—Aleochara confinis, Steph. Illust., Mand., v., 127.

Not common. Under bark of Scotch fir, at Ravensworth, of the willow, above Swalwell, of a dead elm, near Dunston hill, and of paling, at Gibside.—*J. H.* Gosforth.—*T. J. B.* Jan.—Aug.

2. *PH. CORTICALIS*, Grav.

Erichson, Gen. et Spec. Staph., 77.—*Steph. Manual*, No. 2775.—*Aleochara corticalis*, *Steph. Illust., Mand.*, v., 127.—*Aleochara teres*, *Ib. l.c.*, v., 117.

Under the bark of Scotch pine, on Whitsun Bank hill, in July.—*J. H.*

169. *TACHYUSA*, *Erichson*.1. *T. CONSTRICTA*, *Erich.*

Erichson, Gen. et Spec. Staph., 70.—*Steph. Manual*, No. 2772.

Not unfrequent. On the Till, below Weetwood Bridge, in July.—*J. H.*

It runs about in the sunshine, on the fine sandy mud, with extreme celerity, carrying its abdomen curved upwards.

2. *T. CÆRULEA*, *Sahlberg*.

Erichson, Gen. et Spec. Staph., 76.—*Aleochara cœrulea*, *Sahlb. Ins. Fenn.*, i., 351.—*Ischnopoda chalybea*, *Rudd, Steph. Manual*, No. 2767.—*Tachyusa chalybea*, *Erichson, Gen. et Spec. Staph.*, 916.

With the preceding, on the banks of the Till.—*J. H.*

I do not observe blue tints on the legs, but in other respects Sahlberg's description agrees well with the specimens. I possess a German type of Erichson's species.

3. *T. FOVEOLATA*, *Leach*.

Aleochara foveola, *Steph. Illust., Mand.*, v., 124.—*Tachyusa umbratica*, *Erichson, Gen. et Spec. Staph.*, 73.

Beneath decaying sea-weed, at Embleton Bay, Shoreston, South Shields, Marsden, and Hartlepool, and under rubbish in the Ravensworth woods, and above Swalwell.—*J. H.* March and April.

I have examined both German and French specimens of *T. umbratica*, with which our specimens entirely agree.

4. *T. UVIDA*, *Erich.*

Nigra, subnitida, antennis pedibusque fuscis; abdomine lineari; minus subtiliter punctato, thorace subquadrato fronteque late canaliculato. Long. $1\frac{1}{2}$ lin.

Erichson, Gen. et Spec. Staph., 916.

Coloured like *T. foveola* and *Homalota Algæ*, and about the size of the latter, black, rather shining, finely griseous pubescent; head, thorax, and elytra of the lurid black colour of *T. foveola*, abdomen deeper black, more shining. Antennæ longer than the head and thorax, slender, of nearly equal thickness throughout, 2nd and 3rd joints equal, the rest shortening, sub-cylindric, the last of moderate length, not so long as the two preceding, and scarcely thicker, bluntish, fuscous, the base more dilute. Palpi fuscous. Head of the breadth of the thorax, sub-quadrate, with the angles rounded, or sub-rotundate, in the hinder part rather transverse, narrowed in front of the antennæ, very thickly and finely, though distinctly, punctate, the whole front depressed, with a channel in the centre of the depression. Thorax posteriorly one half narrower than the elytra, its length about equal to its greatest breadth, broadest before the middle towards the anterior angles, and distinctly narrowed towards the base, the sides straight, the base slightly rounded, posterior angles obtuse, apex obliquely truncate on each side, anterior angles strongly rounded; sub-depressed, thickly and finely punctate, in the male deeply and rather widely channelled throughout, in the female more obsolete, the channel ending in a fovea before the base. Elytra scarcely longer than the thorax, sub-quadrate, sub-depressed, very thickly and very finely punctate. Abdomen linear, shining, very thickly but much less finely punctate, the extreme apex piceous, and rather distinctly pubescent. Legs pale fuscescent, the tibiæ and tarsi more dilute.

This differs from Erichson's description in the darker colour of the legs and antennæ, which, in his specimens were testaceous. To explain the discrepancy, it is only necessary to suppose that, like *Homalota Algæ*, and I may add *Philonthus Xantholoma*, it is liable to vary in this respect.

One specimen taken at Marsden, under decaying sea-weed, in company with *T. foveola* and *Homalota Algæ*. — J. H. March.

Specimens taken by Mr. Walker, at Plymouth, do not present any difference.

5. *T. FRONTALIS*, Kirby.

Nigra, antennarum apice subincrassata, elytris fuscis, pedibus testaceis; fronte impressâ; thoracis basi transversim foveolata, dorso minime profunde canaliculato. Long. $1\frac{1}{2}$ lin.

Aleochara frontalis, Kirby, *Steph. Illust., Mand., v., III.*—

Ischnopoda frontalis, *Steph. Manual*, No. 2769.—*Tachyusa immunita*, *Erichson, Gen. et Spec. Staph.*, 916?

Of the size, and much resembling *Homalota elongatula*; black, clothed with a short, rather thick fulvo-griseous down, somewhat shining, head, thorax and elytra dullest. Antennæ of the length of the head and thorax, gradually thickened outwardly, 2nd and 3rd joints sub elongate, sub-equal, the rest gradually shorter and thicker, obconic, the last rather large and stout, not so long as the two preceding, ovate, moderately acuminate, fusco-piceous, basal joints paler, especially at their bases, or testaceous. Palpi and mouth ferruginous. Head sub-orbiculate, not immersed in the thorax, the sides straightish, thickly and finely punctulate, rather convex behind, flattened anteriorly, the front with a deepish elongate fovea fading out anteriorly. Thorax a little narrower than the elytra, sub-depressed, rather narrowest posteriorly, sides rounded and slightly widened before the middle towards the anterior angles, which are deflexed, thickly and finely punctulate, a shallow obsolete channel down the back, ending in a transverse rather deep fovea. Elytra rather broad, longer than the thorax, flattish, somewhat unequal, depressed rather deeply behind the scutellum, and very slightly at the base within the shoulders, very thickly and almost indistinctly punctulate, dark fuscous. Abdomen broadish, rather narrowed at the tip, shining, first four segments thickly and finely punctulate, the last two more shining, the 5th nearly smooth, with a few punctures, and a few wide minute granulations, 6th also smoother, again thickly punctulate, the apex piceous. Legs testaceous.

I have a single specimen from a marsh in the Ravensworth woods; and others from the borders of rivulets in Berwickshire.—
J. H. March.

6. *T. FLAVITARSIS*, Sahlb.

Nigra, subnitida, subdepressa, subtilissime griseo-pubescens,

antennis gracilibus, elongatis, nigro-piceis; pedibus nigro-fuscis, tibiis ferrugineis, tarsis testaceis; capite impresso; thorace subquadrato, postice subangustato, leviter canaliculato. Long. $1\frac{3}{4}$ lin.

Aleochara flavitarsis, Sahlberg, Ins. Fenn., i., 349.—Aleochara ruficrus, Kirby, Steph. Illust., Mand., v., iii?

Of the habit of *T. frontalis*, sub-depressed, black, head, thorax, and elytra of the dull black colour of *T. foveola*, abdomen of a deeper black, still more shining. Antennæ longer than the head and thorax, sub-filiform, thin, first joint long, 3rd joint slightly thinner, and rather longer than the 2nd, 4th equal to the 7th, 5th and 6th slightly longer than these and equal, 8—10 obconic, slightly shorter and scarcely thicker, all the joints elongate, with their apices widest, and their bases finely narrowed, the apical one elongate ovate, not quite equal to the 9th and 10th taken together, gradually acuminate; fusco-piceous, tips of the two basal joints scarcely paler, mouth and palpi nigro-fuscous. Head not so broad as the hinder part of the thorax, orbiculate, very thickly and finely punctulate, slightly impressed or flattened between the eyes, with a deepish small round fovea on the front. Thorax sub-quadrate, always narrower than the elytra, broadest anteriorly, sides dilated a little behind the anterior angles, sub-deflexed, rounded before the middle, and the anterior angles rounded, considerably narrowed from behind the middle, base and apex truncate, posterior angles obtuse; very thickly and finely punctulate, with short indistinct pubescence, sub-depressed above, with a slender obsolete central channel ending in a shallow fovea before the scutellum. Scutellum small, thickly punctured. Elytra broader and longer than the thorax, its apex wider, emarginate at the apex of the suture, rather flattened, somewhat deeply depressed at the suture behind the scutellum, with a short griseous pubescence, very minutely and thickly punctulate. Abdomen broadish, behind the elytra of the length of the body, deeper black, shining, the first four joints thickly and finely punctulate, 5th and 6th shining, the former much depressed transversely across the base, and slightly at the sides, with a few minute granulations, 6th finely punctured, with a very obsolete longitudinal

narrow depression at its apex; thinly griseous pubescent, more densely round the apex. Legs elongate, all the femora compressed, the femora fusco-piceous. their tip more dilute, tarsi still more so, the apex lighter, tarsi testaceous; or gradually paler from the femora outwards; hinder tarsi elongate.

A single specimen taken near Long Benton, in March.—*T. J. B.* Among gravel, near the foot bridge over Caer burn, on the way to Langleyford.—*J. H.*

Sahlberg describes the last joint of the antennæ as obtuse at the apex, and the elytra convex above, which is not the case in our insects.

The tibiæ are usually testaceous, and the tint of the thighs varies from pitchy to black.

7. *T. CARBONARIA*, *Mannerh.*

Atra, nitida, griseo-pubescent, antennis tenuibus nigris; pedibus geniculis, tibiis apice, et tarsis pallide ferrugineis; capite subimpresso; thorace subquadrato, postice foveolato. Long. 1¼ lin.

Aleochara carbonaria, Sahlb. Ins. Fenn., i., 351.

About the size of *T. atra*, but more convex, the antennæ shorter and less gracile; also resembling *Homalota graminicola*, but much more finely punctured. Leaden black, head, thorax, and elytra neatly punctured as if polished, shining, clothed with a rather dense shining griseous pubescence, which makes it duller in certain positions. Antennæ rather short, somewhat longer than the head and thorax, thinish, slightly thickened towards the apex, the joints short, obconic, 9th and 10th slightly thicker, not transverse, the last oblong ovate, about the length of the two preceding, and slightly thicker, slightly acuminate; entirely black. Palpi black, the base scarcely piceous. Head a little narrower than the thorax, sub-orbiculate, rather convex, slightly longitudinally foveolate on the front, very thickly and finely punctulate. Thorax short, scarcely longer than broad, somewhat narrower than the elytra, subquadrate, neither narrowed at the base nor the apex, the sides and the angles slightly rounded, sub-convex above, with a distinct fovea before the scutellum,

ending anteriorly in a very obsolete channel, which at length disappears, thickly and very finely punctulate, thinly griseous pubescent. Elytra longer than the thorax, rather transverse, and widest towards the apex, sub-convex, shoulders rather prominent, depressed behind the scutellum, very finely and closely punctulate, more thickly griseous pubescent. Abdomen a little narrower than the elytra, of a deeper black, not very long, sub-parallel, the apex abruptly narrowed, finely and thickly punctulate, with a distinct griseous pubescence, the first three segments with their bases transversely depressed, the others more convex. Legs moderate, black, joints of the femora and tibiæ, tibiæ at the tip narrowly, and the tarsi entirely, pale ferruginous; posterior tarsi shortish; basal joint sub-elongate.

A pair taken at Gosforth, on mud, in the bed of the Lake.—
T. J. B. July.

Although unrecorded as a British insect, it occurs in various parts of the island. I have a pair taken on the border of a pond, in Berwickshire; and have seen others found by Mr. Walker, at Plymouth, and by Mr. Janson, on the banks of the Brent, near London.

170. CALODERA, *Mannerheim*.

1. *C. NIGRICOLLIS*, *Payk.*

Erichson, Gen. et Spec. Staph., 64.—*Steph. Manual*, No. 2752.—*Aleochara nigricollis*, *Gyll. Ins. Suec.*, ii., 384.—*Steph. Illust. Mand.*, v., 125.

Under dead leaves, &c., rare. From the Ravensworth woods, in spring.—*J. H.*

2. *C. LONGITARSIS*, *Kirby*.

Erichson, Gen. et Spec. Staph., 66.—*Aleochara longitarsis* *Steph. Illust., Mand.*, v., 110.—*Ischnopoda longitarsis*, *Steph. Manual*, No. 2765.

Under stones, decayed leaves, &c., by river sides. "Twizell."—*P. J. Selby, Esq.* Wooler, Bamburgh, Hartley, Long Benton, Prudhoe, sides of the Tyne and Derwent, dean near Winlaton, &c. May—July.

3. *C. RUBICUNDA*, *Erich.*

*Rufo-picea, subtilissime punctulata, subtiliter cinereo-pubes-
cens, capite abdomineque segmentis 4 et 5 fuscis; thorace
subovato, basi leviter foveolato, abdomine supra subtilissime
punctato. Long. 1½ lin.*

Erichson, Gen. et Spec. Steph., 66.

Rather less than small individuals of *C. nigricollis*, much more finely punctulate throughout. Body piceo-testaceous, rather shining, with a slight fine pubescence. Antennæ straight, a little longer than the head and thorax, slender at the base, and gradually increasing to a moderate thickness outwardly, about that of those of *A. longitarsis*, the joints compact, 2nd and 3rd joints equal, the last large, oblong-ovate equal to the two preceding, its apex blunt; rufous, towards the base testaceous. Palpi and mouth dilute testaceous. Head a little narrower than the thorax, shortly ovate, the base rather strongly constricted, thickly and finely punctate, convex, piceous, shining. Thorax narrower than the elytra, rather long, the sides before the middle and the anterior angles rounded, rather narrowed from before the middle to the base, rather convex, thickly and very finely punctulate, with a very minute foveola before the scutellum, not so shining, dull ferrugineo-piceous. Elytra scarcely longer than the thorax, sub-depressed, thickly and finely punctate, coloured like the thorax. Abdomen punctured equally finely with the rest of the body, first three segments above strongly depressed across the base, 4th and 5th nigro-fuscous. Legs pale testaceous.

One specimen from the Ravensworth woods.—*J. H.* April.

171. *OCALEA*, *Erichson.*1. *O. PICATA*, *Kirby.*

Steph. Manual, No. 2757.—*Aleochara picata*, *Steph. Illust.,
Mand., v., 125.*—*Ocalea castanea*, *Erichson, Gen. et Spec.
Staph., 60.*

Under herbage, and withered leaves, in damp woods. Ravensworth woods, and the woods above Swalwell.—*J. H.* March—November.

It sometimes causes its antennæ to vibrate like those of *Myr-*

medonia canaliculata, and occasionally puts on its threatening movements.

172. BOLITOCCHARA, *Mannerheim*.

1. B. LUNULATA, *Payk.*

Erichson, Gen. et Spec. Staph., 58.—*Steph. Manual*, No. 2780.—*Aleochara lunulata, Gyll. Ins. Suec.*, ii., 386—*Steph. Illust., Mand.*, v., 124.

Under bark of decaying trees, and upon *Polyporus versicolor*. "Twizell."—*P. J. Selby, Esq.* Ravensworth woods, and Gibside.—*J. H.* February—November.

2. B. OBLIQUA, *Erich.*

Erichson, Gen. et Spec. Staph., 59.—*Steph. Manual*, No. 2781.

Under bark of decayed trees, not unfrequent. "Twizell."—*P. J. Selby, Esq.* Gibside, Ravensworth, Gosforth. February—November.

It feeds upon *Rhizomorphi* and *Polyporus versicolor*. As well as the preceding species, it erects itself in defiance, in the manner of *Myrmedonia canaliculata*.

173. FALAGRIA, *Leach*.

1. F. SULCATA, *Payk.*

Erichson, Gen. et Spec. Staph., 49.—*Steph. Manual*, No. 2740.—*Aleochara sulcata, Gyll. Ins. Suec.*, ii., 378.—*Falagria sulcatula, Steph. Illust., Mand.*, v., 103.

Not common. On boards round hot beds, at Long Benton.—*T. J. B.* Ravensworth and Marsden.—*J. H.* March—May.

2. F. THORACICA, *Kirby*.

Steph. Illust., Mand., v., 105.—*Curt. Brit. Ent.*, pl. 462.—*Erichson, Gen. et Spec. Staph.*, 52.

"Castle Eden dean."—*Rev. G. T. Rudd*.

3. F. OBSCURA, *Grav.*

Steph. Illust., Mand., v., 104.—*Erichson, Gen. et Spec. Staph.*, 54.—*Aleochara obscura, Gyll. Ins. Suec.*, ii., 379.

Rare. On boards round hot beds, at Long Benton, and at Tynemouth.—*T. J. B.* July—August.

In one sex, the front is convex, and the disk of the thorax has usually a short line; in the other, the back part of the head, and the apex of the thorax, are impressed.

174. AUTALIA, *Leach.*

1. *A. IMPRESSA*, *Oliv.*

Steph. Illust., Mand., v., 101. — *Erichson, Gen. et Spec. Staph., 47.*—*Aleochara impressa, Gyll. Ins. Suec., ii., 381.*—*Autalia plicata, Kirby, Steph. Illust., Mand., v., 101.*—*A. ruficornis, Ib., l.c., 102.*

In decaying Fungi, common. Twizell, Gosforth, Long Benton, Gibside, Ravensworth, &c.

2. *A. RIVULARIS*, *Grav.*

Steph. Illust., Mand., v., 102.—*Erichson, Gen. et Spec. Staph., 47.*—*Aleochara rivularis, Gyll. Ins. Suec., ii., 382.*—*Antalia aterrima, Steph. Illust., Mand., v., 102.*—*A. angusticollis, Ib. l.c.*

At sap of felled beech trees. Gosforth.—*T. J. B.* May. Wooler water, and at Budle Crag.—*J. H.* June.

175. MYRMEDONIA, *Erichson.*

1. *M. CANALICULATA*, *Fab.*

Erichson, Gen. et Spec. Staph., 36.—*Aleochara canaliculata, Gyll. Ins. Suec., ii., 391.*—*Astilbus canaliculatus, Steph. Illust., Mand., v., 106.*

Common on the sandy sea coast, in moss in woods, and under stones on heaths; often tenanting the nests of ants, and preying on the inmates.

FAMILY 2. PSELAPHIDÆ, *Leach.*

176. BRYAXIS, *Knoch.*

1. *B. JUNCORUM*, *Leach.*

Steph. Illust., Mand., v., 90.—*Heer, Fn. Col. Helv., i., 358.*

In bogs and marshy places. Ravensworth woods.—*J. H.* Winlaton mill.—*T. J. B.* January—May.

177. BYTHINUS, *Leach*.1. B. SECURIGER, *Reich*.

Steph. Illust., Mand., v., 95.—*Heer, Fn. Col. Helv., i., 359.*

In moss, from the Ravensworth woods, in spring.—*J. H.*

2. B. BULBIFER, *Reich*.

Heer, Fn. Col. Helv., i., 359.—*Arcopagus bulbifer, Steph.*

Illust., Mand., v., 94.

“Newcastle.”—*G. Wailes, Esq.* In moss, from Ravensworth woods.—*J. H.*

3. B. CURTISII, *Leach*.

Steph. Illust., Mand., v., 94.—*Heer, Fn. Col. Helv., i., 360.*

In moss, from Gibside.—*J. H. March.*

4. B. GLABRICOLLIS, *Reich*.

Arcopagus glabricollis, Steph. Illust., Mand., v., 93.

In moss, from the Ravensworth woods.—*J. H. March.*

5. B. PUNCTICOLLIS, *Denny*.

Heer, Fn. Col. Helv., i., 360.—*Steph. Illust., Mand., v., 93.*

In moss, not uncommon. “Newcastle.”—*G. Wailes, Esq.* Gibside, Ravensworth, and Marsden.—*J. H. Long Benton.*—*T. J. B. March.*

178. TYCHUS, *Leach*.1. T. NIGER, *Payk*.

Steph. Illust., Mand., v., 92.—*Heer, Fn. Col. Helv., i., 361.*

In moss. “Newcastle.”—*G. Wailes, Esq.* Long Benton and Cramlington.—*T. J. B.* Ravensworth woods.—*J. H. Cleadon.*—*Mr. W. Peacock. March.*

179. EUPLECTUS, *Leach*.1. E. NANUS, *Reich*.

Heer, Fn. Col. Helv., i., 362.—*Pselaphus nanus, Gyll. Ins.*

Suec., iv., 237.—*Euplectus Reichenbachii, Leach, Steph.*

Illust., Mand., v., 97.

“Durham.”—*Ormsby's Durham.* Ravensworth woods.—*J. H.*

2. E. MINUTUS, *Marsh*.

Steph. Illust., Mand., v., 97.—*Euplectus sanguineus, Denny,*

Monog. Psel. 10.

“Durham.”—*Ormsby's Durham.*