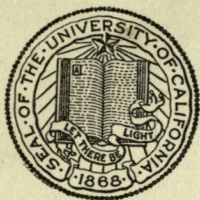


UC-NRLF



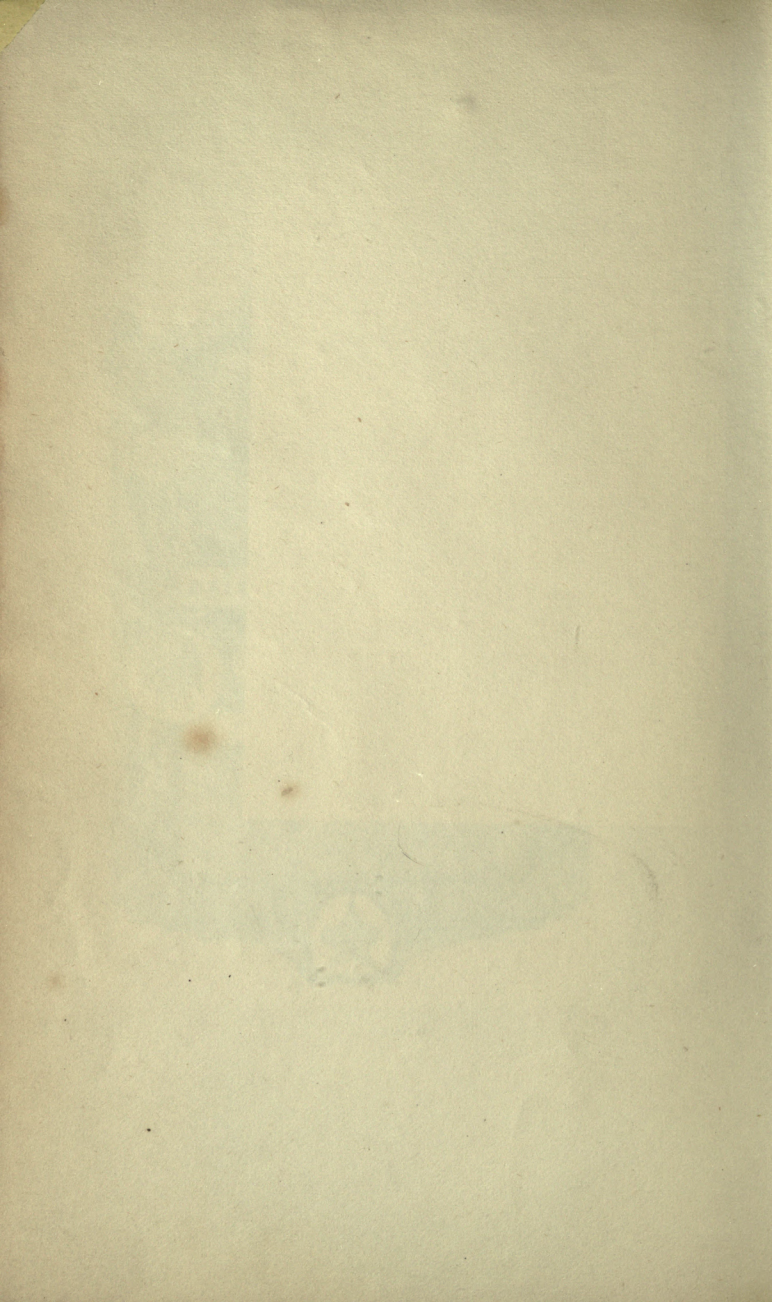
5D 50 293





THE LIBRARY
OF
THE UNIVERSITY
OF CALIFORNIA

PRESENTED BY
PROF. CHARLES A. KOFOID AND
MRS. PRUDENCE W. KOFOID



CATALOGUE

OF THE

COLEOPTERA OF SCOTLAND

PRINTED BY WILLIAM BLACKWOOD AND SONS, EDINBURGH.

CATALOGUE

OF THE

COLEOPTERA OF SCOTLAND

BY

ANDREW MURRAY

OF CONLAND, W.S.

MEMBER OF THE ROYAL PHYSICAL SOCIETY OF EDINBURGH,
OF THE ENTOMOLOGICAL SOCIETY OF FRANCE,
ETC.

AIDED BY

THE REV. WILLIAM LITTLE, MESSIEURS JAMES HARDY,
ROBT. HISLOP, JOHN T. SYME, DR W. H. LOWE,
AND OTHER SCOTTISH ENTOMOLOGISTS.

WILLIAM BLACKWOOD AND SONS
EDINBURGH AND LONDON
MDCCCLIII

K-QL591

G7M8

Biol.

Lib.

P R E F A C E.

THE following Catalogue has been undertaken, not solely with the view of recording some additions to the Insect Fauna of Scotland, but also with the intention of correcting the synonymy of some of the species which have been established on the authority of our great British Entomological authors, where subsequent investigations have shown that species have been improperly multiplied, or new names given to species already described. I have also wished to do something towards making our British Entomologists more familiar than they are with the names generally in use on the Continent. For these reasons I have made the following list a Synonymic Catalogue.

I have adopted the arrangement of Redtenbacher, and I have done so notwithstanding some doubts of my own as to its superiority over Latreille's, partly in deference to the opinion which appears to be now generally entertained that it is the most natural, and partly because it comes nearest to that first developed and adopted by our own Stephens, and which is consequently already most in use in this country.

As regards the synonymy of Continental authors, I have followed Gaubil's catalogue, unless in one or two instances where I had reason to suppose he was in error. As to the synonymy of species described by Mr Stephens, I have had the very great advantage of the free use of my friend Mr Little's

M368948

valuable cabinet, which, with few exceptions, had passed through the hands of Mr Stephens, and been almost entirely named by him. I had thus the advantage (second only to the use of Mr Stephens' own specimens) of examining what I may call types of his species. The distance of my place of residence from London rendered it impossible to avail myself with effect of the well-known liberality with which Mr Stephens gave access to his collection : and in estimating the value of any opinion expressed in the following pages upon the synonymy of any of his species, it must be borne in mind that I proceed upon nothing further than the testimony of species named by him ; and that, although in many instances I saw numerous series so named, I have not always found the whole of the series to consist of the same insect.

I have further availed myself of Dr Schaum's two valuable papers on the synonymy of Mr Stephens' species of Geodephaga and Hydrocantharidæ, published in the *Annals of Natural History* and *Zoologist*, and of Mr Walton's papers on the Curculionidæ in the *Annals of Natural History*. I have also been benefited by M. Jacquelin Duval's paper on the genus *Bembidium*, published in the *Annals of the Entomological Society of France*, and by his kindness in comparing my own specimens, and favouring me with his remarks upon them. To M. Aubé, Paris, I owe similar thanks for having compared and authentically named my specimens of *Cercyon*, *Anisotoma*, *Atomaria*, and other minute and difficult genera ; also to M. Jekel, Paris, for having performed a similar good office to my *Apions* ; and to Professor Lacordaire of Liege, for having solved some doubts I had upon some of the *Chrysomelidæ*. I have received similar kindness from Mr Wilson Saunders and Mr Jansen, Mr White of the British Museum, and Mr Walton of London ; and I owe much to the good offices of M. Javet of Paris. I need not make similar acknowledgments for the information derived from the works of Mulsant, Heer, Redtenbacher, and others ; these are public property.

The whole of the Scottish Entomologists with whom I was acquainted, and several with whom I had no previous acquaintance, cordially aided me in making my list as complete as possible, by communicating to me their several captures. I owe special thanks to the Rev. William Little, Kirkpatrick-Juxta, Dumfriesshire, and to Mr Hardy, Penmanshiel, East Lothian,—the latter of whom was kind enough to undertake almost entirely for me the family of the Staphylinidæ, to which (of the Coleoptera) he has more particularly directed his attention; and that family will be found to show marks of the care and accuracy for which he is remarkable.

I have had the list of species found near Edinburgh made much more complete than it had previously been, by the information communicated by Dr Greville, and his son, Mr R. N. Greville, Dr Lowe, Balgreen, Mr R. F. Logan, Duddingston, and Dr Howden, Musselburgh.

My information as to the insects from Lanarkshire and the neighbourhood of Glasgow has been almost wholly received from Mr Hislop, now at Blairlodge, near Falkirk, but formerly resident in Glasgow, who was aided in his investigations in the west by Mr John Gray, and Dr Colquhoun. Mr Morris Young, Paisley, has also contributed notices of some valuable captures in his neighbourhood. Mr Hardy and Mr Hislop have added much to the list of species found in Berwickshire. East Lothian has also been thoroughly examined by Mr Hardy, a work in which he has been well aided by Mr Archibald Hepburn, near Whittingham. The Aberdeenshire localities likewise were mostly furnished by Mr Hardy.

Mr John T. Syme, now in London, Professor Fleming, of the Free Church College, Edinburgh, Mr George A. Coventry, younger of Shanwell, and myself, have more particularly worked out Fife, Perth, Kinross, and Clackmannan; and our knowledge of the insects of the eastern part of the first of these counties has been increased by the examination of a large collection made at St Andrews by Mr Harry Goodsir, one of the surgeons

of the unfortunate expedition under Franklin, which his brother, Professor Goodsir, of the University of Edinburgh, kindly intrusted to me for examination. Mr John T. Syme has also examined the Orkneys and the Island of Mull, the latter of which places has likewise been gone over by Mr Hislop and myself.

My information as to Sutherland and Ross-shire has been principally derived from Mr James Wilson of Woodville, one of the authors of the *Entomologia Edinensis*, and from Mr Horsburgh, Tongue House, and Mr Andrew Young, Bonar Bridge, Sutherland, who have been kind enough to cause collections to be made for me.

To Mr Weaver of Birmingham, and Dr Nelson of Lytham, I owe the knowledge of some interesting novelties taken in their researches in the Black forest, Rannoch.

Forfarshire has been most investigated by Dr Greville and myself; and Dumfriesshire has been made entirely his own by the Rev. Mr Little, to whom it will be seen we owe a very large proportion of the rarer Scottish captures.

In the Catalogue I have appended the name of the captors of the insect to those species which have only been taken by one or two persons. I have not, in every instance, had the opportunity of making sure, by personal inspection, that species communicated to me are authentic, but in most instances I have done so; and where I have not, the collector whose name is appended stands responsible for its correctness.

EDINBURGH, 7 NELSON STREET,
April 1853.

... paper indicates a point that does not occur
... with some ... on the ... and
... of the ... 1856.

P. D. The ... of the ...

... are ... by a ...
... on the ...
... and ... in the ...
... and ... of ...
... in ... in ...
... in the ...
... and ... is ...

to 1856

FAMILY ...

... in ...
...

... " ... "

FAMILY ...

...
...

...
...
...
...

† The dagger indicates a species that does not occur farther north than Yorkshire. on the east, and generally south of the wash. 1856.

N. B. The species occurring in the Western district are preceded by a X.

The synonyms underlined are the names recognized by Dawson and Clark in the Geodephaga, Dytiscidae and Hydrophilidae, by Hollarston in Atomaria by Murray in Catops, and by Walton in the Euculionidae; In Stenus Waterhouse and Sanson's paper is referred to. 1856.

Not uncommon in heathy ground, Lanark, Renfrew and Ayr. 1856.

Common. 1856.

Less common; claypits near Glasgow. 1856.

CATALOGUE
OF
SCOTTISH COLEOPTERA.

FAMILY CICINDELIDÆ.

CICINDELA *Lin.*

- ✕ C. CAMPESTRIS *Lin. Steph.* Occasional throughout Scotland.
 - C. HYBRIDA *Lin. Steph.*
 - var. *maritima Dej. Steph.* "Scotland." *Stephen's Manual.*
-

FAMILY CARABIDÆ.

ELAPHRUS *Fab.*

- ✕ E. CUPREUS *Duft. Steph.* Common on banks of lakes, &c.
- uliginosus *Gyll. (not Fab. Steph.)*
- ✕ E. RIPARIUS *Fab. Steph.* Common.
- E. LAPPONICUS *Gyll. Steph.* Catlaw and Clova mountains in Forfarshire—running among the grass in boggy places. *Miss Lyell.*
- St Kilda. *Mr J. M'Gillivray. Edin. Phil. Jour.*

BLETHISA *Bon.*

- × B. MULTIPUNCTATA *Lin. Steph.* Occasional on margins of lakes throughout Scotland.

PELOPHILA *Dej.*P. BOREALIS *Fab.*

Var. *Arctica Schönh.*
Dejeanii Gebler.

Taken in the Mainland of Orkney in considerable numbers.

Mr J. T. Syme.

NOTIOPHILUS *Dumeril.*

- × N. AQUATICUS *Lin. Steph.* Common.

- × N. SEMIPUNCTATUS *Fab.* Common.
 Var. *biguttatus Fab. Steph.*

NEBRIA *Lat. Bonelli.*

HELOBIA Leach, Steph.

- × N. BREVICOLLIS *Fab. Steph.* Common everywhere.

Var. *lata Newm. Steph.*
 Var. *varicornis Newm. Steph.*

- × N. NIVALIS *Payk. Steph.* Common.

Balbi Bon.
impressa Newm. Steph.
 Var. *Gyllenhallii Curt. Steph.*

Æthiops Steph.

Var. { *Marshallana Steph.* Very plentiful under stones on tops
hyperborea Gyll. of mountains.
arctica Dej.

LEISTUS *Fræhl.*

- × L. FULVIBARBIS *Hoffm. Dej.*
Steph. Not rare.

- × L. PRÆUSTUS *Fab.* Not rare.
rufescens Fab. Dej. Steph.
terminatus Panz. Dej.

- L. SPINILABRIS *Fab. Steph.* Not uncommon at Pressmenan,
rufescens Clair. Duft. Lammermuir Hills. On birch and
 (not *Steph.*) oak. Mr Arch. Hepburn.
brunneus Marsh.

Bute; Hogganfield Loch; Renfrewshire. 1856.

Common. 1856.

Very Common. A var. occurs dark blue or violet;
Elytra with 4 six middle striae pale. 1856.

Very Common. 1856.

Not unfrequent by the sides of rivers. 1856.

Benlomonid &c. 1856.

Plentiful about Garscube Woods &c Paisley. 1856.

Occasional in ~~moss~~ under Bark; Glasgow; Paisley ⁹³ 1856.

Near Glasgow & under stones and leaves;
Can make a "puffing" noise by rubbing abdomen
against the soldered elytra, & allowing the air suddenly
to enter. 1856. Common. 1856.

Occasional in Upland districts, Kilpatrick Hills, Monkton & 1856.
Common in old stumps, old dykes, & 1856.
Dunoon, Ayrshire, & Wigtonshire. 1856.

Ayrshire; Kilpatrick Hills; Renfrewshire; 1856.

Goatfell; Benlomond. 1856. Bendonick. 1857.
Dumbarton, near Glasgow; & 1856.
Not unfrequent. 1856.

Goatfell; Renfrewshire; 1856.

Kelvinside; Paisley. 1856

Common. 1856

Renfrew, Paisley & not very common. 1856 —
Near Paisley; Mr. Young. 1856. — —

Occasional about Glasgow & Paisley. 1856.

CYCHRUS *Fab.*

- X C. ROSTRATUS *Lin. Steph.* Occasional. Generally distributed.
 CARABUS *Lin.*
 X C. CATENULATUS *Fab. Steph.* Common.
 C. MONILIS *Fab. Steph.* Near Edinburgh. Granton.
 Sir P. Walker. Mr R. Logan.
 X C. ARVENSIS *Fab. Steph.* Not very common.
 X C. CANCELLATUS *Ill. Steph.* Not rare.
granulatus Fab. (not Lin.)
 X C. CLATHRATUS *Fab. Steph.* Clova mountains, Forfarsh.; Sutherlandshire. Sparingly in South of Scotland; abundant in Mull, Hebrides, &c.
 X C. NITENS *Lin. Steph.* Scarce; but generally distributed in the mountainous parts of Scotland. More plentiful in the north.
 X C. GLABRATUS *Fab. Steph.* North of Scotland. Not common.
 X C. VIOLACEUS *Lin. Steph.* Occasional throughout Scotland.
 X C. HORTENSIS *Fab. Dej.* Common in spring everywhere.
nemoralis Müller, Steph.

CYMINDIS *Lat. Dej.*TARUS *Clair. Steph.*

- X C. BASALIS *Gyll. Steph.* Under stones, on tops of high hills
punctata Bon. Dej. throughout Scotland.
humeralis Ph. (not Fab. Steph.)

DROMIUS *Bon.*

- X D. AGILIS *Fab. Steph.* Under bark. Generally distributed.
truncatus Fab.
 D. GLABRATUS *Duft. Steph.* Cramond. Rare. Rev. W. Little.
 X D. QUADRIMACULATUS *Panz. Steph.* Under bark. Common.
 X D. QUADRINOTATUS *Duft. Steph.* Under bark of fir-trees, near Edinb.
 X D. FASCIATUS *Fab. Dej. Steph.* Under stones. Salisbury Craigs, Edinburgh; Berwickshire; East-Lothian; Fifeshire, &c.
 X D. LINEARIS *Bon. Oliv. Steph.* Throughout Scotland.
punctatostriatus Duft.
præsta Stevens.

D. FOVEOLUS *Gyll. Steph.* Dry upland pastures. Arthur Seat ;
punctatellus Duft. Dej. Berwickshire, &c.
truncatellus Lat. (not Lin.
Fab.)

D. TRUNCATELLUS *Lin. Steph.* Cramond. Rev. W. Little.

LEBIA *Lat.*

LAMPRIAS *Bon. Steph.*

X L. CHLOROCEPHALA *Ent. Heft.* Scarce. Lairig, in Sutherlandshire ;
Steph. Berwickshire ; near Paisley ; Braid
 Hills, near Edinburgh.

X L. CRUX-MINOR *Lin. Fab. var. β* Beaten off a sallow near Luss, south
 end of Loch Lomond. Mr R. Logan.

MISCODERA *Esch. Steph.*

LEIOCHITON *Curt.*

X M. ARCTICA *Pk. Steph.* On tops of high hills throughout
 Scotland.

CLIVINA *Lat.*

X C. FOSSOR *Lin. Steph.* Common.
Var. sanguinea Leach. Rare.

X C. COLLARIS *Herbst, Steph.* Not uncommon.

DYSCHIRIUS *Pz.*

X D. AENEUS *Zieg. Steph.* Occasional.
pusillus Steph.
aeratus Hal. Steph.
thoracicus Ill. Steph.

X D. ~~thoracicus~~ *tristis Steph.* *Fab. Renfrewshire, Mr Young 1856*
 D. NITIDUS *Dej. Steph.* Dollar. Raehills, Dumfriessh.
thoracicus Oliv. (not Mr J. T. Syme. Rev. W. Little.
Steph.)

X D. GIBBUS *Fab. Panz. Steph.* Occasional.
globosus Herbst.
minimus Ahrens, Steph.
remotus Marsh.

LORICERA *Lat.*

X L. PILICORNIS *Fab. Steph.* Common everywhere.

CHLÆNIUS *Bon.*

X C. NIGRICORNIS *Fab. Steph.* Occasional. South of Scotland ; Edin-
 burgh ; Perthshire ; Lanarkshire.

Seemingly rare. 1856.

Very rare. it has been taken in England this year (1856) more plentifully than ever before; it frequents marshy places. 1856.

Perthshire, Mr Young. 1856.

Common 1856

Damp sunny places, Banks of Clyde, Monkton
Ayrshire &c. 1856.

Ardrossan, Saltcoats. 1856.

Hamilton; Paisley; damp mossy places. 1856.

Banks of Reservoir near Paisley. 1856

Dumbarton; Paisley, 1856

Not uncommon. 1856.

Glasgow; Paisley, in cellars. 1856

Glasgow. Paisley; cellars & outhouses, Monkton. 1856.

Bowling Bay; Paisley; in mossy woods, 1856.
Common. 1856.

Common. 1856.

Renfrewshire. 1856.

Millport; Tollcross. 1856.

Shores of Clyde 1856.

Near Lanark. 1856.

BADISTER *Clair.*

×B. BIPUSTULATUS *Fab. Steph.* Occasional.

B. HUMERALIS *Duft.* — (*Tri-Loch Awe.* Dr Leach. *Ent. Edin.*
morphus) *Steph.*
sodalis Duft. Sturm.
dorsiger Duft.
confinis Steph.
scapularis Steph.

PATROBUS *Meg. Dej.*

×P. EXCAVATUS *Ph.* Occasional.

velox Fab.
rufipes Gyll. Dej. Steph.

×P. SEPTENTRIONIS *Dej. Schon.* Sparingly on Ben Lomond and other
alpinus Curt. Steph. Highland mountains.

SPHODRUS *Clair.*

×S. LEUCOPHTHALMUS *Lin. Steph.* South of Scotland. Very rare.

planus Fab. Dej.
niger Payk.

PRISTONYCHUS *Dej.*

×P. TERRICOLA *Ill. Dej. Steph.* Occasional in South of Scotland ;
subcaneus Ill. Gyll. more plentiful in Sutherland and
 Ross shires.

CALATHUS *Bon.*

×C. ROTUNDICOLLIS *Dej.* Not very common.
piceus Marsh. Steph.

×C. MELANOCEPHALUS *Lin. Steph.* Common everywhere.
Var. apicalis Newm. Steph.

×C. CISTELOIDES *Ill. Steph.* Common.

×C. FLAVIPES *Ph. Steph.* Guillane Links. A. Murray.
crocopus Hoffm. Steph.
fuscus Steph. (not Fab.)

×C. FUSCUS *Fab. (not Steph.)* Common.
rufangulus Steph.
ambiguus Ph.

×C. OCHROPTERUS *Duft.* Sandy sea-shores. Not rare.
mollis Marsh. Steph.

×C. MICROPTERUS *Duft. Steph.* Forfarshire, Aberdeenshire, Perth-
microcephalus Dej. shire, &c. Mr James Wilson. *Ent. Edin.*
glabripennis Sturm. Musselburgh Links. Rev. W. Little.
melanocephalus var. β Gyll.

SYNUCHUS Gyll. Steph.

TAPHRIA Bon. Dej.

- X S. VIVALIS Ill. Not common. Edinb., Fife, Forfar.
 nivalis Panz. Dej. Steph.

ANCHOMENUS Erichson.

(ANCHOMENUS Bon.)

- X A. ANGUSTICOLLIS Fab. Dej. More plentiful in the northern than
 (Platynus Steph.) southern parts of Scotland.

- assimilis Ph.
 X A. PRASINUS Fab. Steph. Common.

- viridanus Olin
 X A. ALBIPES Fab. Erich. Steph. Common.
 (dorsalis Müller)
 pallipes Fab. Dej.
 pavidus Panz.

(AGONUM Bon. Steph.)

- X A. MARGINATUS Lin. Steph. Margins of lakes, &c. throughout
 Scotland.

- X A. ERICETI Knock. Panz. Sturm. Rare. Near Paisley.
 fulgens Steph. *dred of Clawsone's Gardsphaga; but Mr Morris Young.*

- X A. PARUMPUNCTATUS Fab. Abundant. 1856
 Steph.

- X A. VIDUUS Gyll. Erich. Steph. Occasional.
 (Lavis Müller)
 plicicolle Steph.

- X A. MÆSTUS Sturm, Erich. Steph. Occasional.
 emarginatum Gyll. Steph.
 versutum Sturm, Steph.
 læve Dej. Steph.
 afrum Duft. Sturm, Steph.

- X A. GRACILIS Sturm, Dej. Dalmeny Park, near Edinburgh.
 atratum Steph. Sparingly, near Paisley.

- X A. THOREYI Dej. Raehills, Dumfriessh. Rev. W. Little.
 pelidnum Steph.

- X A. PICEUS Lin. Steph. Dollar; Dalmeny Park; Ormiston.
 fuliginosum Steph.
 Simpsoni Spence, Steph.
 pullum Hoffman.
 striatum Steph.
 fuscipenne Steph.
 gracile Steph.

X A. Micans

Hills near Lochlomond & Lochgoil; Paisley. 1856.

Plentiful under bark Cadzow Forest;
Paisley 1856

Common 1856

Banks of Streams, common. 1856.

Boygansfield Lock; Lakes near Rotheray. 1856.

now acknowledges Ericeti as the correct name.
See "Ent. Annual 1857." 1856

Not common; Renfrewshire. 1856.

It is doubtful whether A. Gracilis has yet occurred in the
Gleniffer Braes, not common, Mr. Young. 1856.

Oban, amongst grass, in ditches; Paisley. 1856.

Banks of Clyde & East; Mr. Young. 1856.

Rather common. 1856

Near Paisley Mr Young 1 spec². 1856.
Not common. 1856
Common. 1856.

Glasgow; Paisley &c 1856

Near Irvine Mr Young. 1856.

Bowling; Toleross &c. 1856.

Not rare. 1856

Bowling; Toleross; Paisley. 1856.

Not uncommon. 1856.

- X *A. ACUMINATA* *Payk., Sturm.* Common.
eurynota Ill. Dej. Steph.
vulgaris Fab.
 Var. *ærata Kirby, Steph.*
- X *A. TRIVIALIS* *Gyll. Dej. Steph.* Common.
atra Steph.
- X *A. SPRETA* *Zimmer. Dej. Steph.* Fifeshire. A. Murray.
- X *A. VULGARIS* *Lin. Dej. Steph.* Occasional.
- A. *ÆNEA* (*Meg.*) Common.
- X *communis* *Dej. Sturm.*
rufiventris Germar.
obtusa Steph.
latescens Steph.
convexior Steph.
plebeia Steph.
 Var. *atrocœrulea (Meg.)*
Steph.
 — *atrata Heer.*
 — *alpicola Heer.*
ferrea Sturm.
- X *A. FAMILIARIS* *Duft. Dej. Steph.* Common.
lævis Sturm, Steph.
lucida Duft. Steph.
cursor Sturm, Steph.
vulgaris Müll. var. β Sch.
- X *A. TIBIALIS* *Ph. Dej. Steph.* Musselburgh Links.
 (*BRADYTUS Steph.*)
- X *A. FERRUGINEA* *Lin.* On sandy shores of lakes, &c.
fulva Degeer.
pallida Fab.
- X *A. APRICARIA* *Fab. Steph.* Not rare.
torridus Steph.
- X *A. CONSULARIS* *Duft. Steph.* Occasional.
crassus Steph.
- (*LEIRUS Meg. Zimmer.*)
 (*CURTONOTUS Steph.*)
- X *A. SPINIPES* *Lin.* Occasional throughout Scotland.
picea Fab.
aulica Ill. Gyll. Dej. Steph.
- A. *CONVEXIUSCULA* *Marsh. Dej.*
Steph. Near Edinburgh.

ANISODACTYLUS *Dej.*

- ✕ A. BINOTATUS *Fab. Steph.* Common in Mull; occasional near Paisley, and Glasgow.

OPHONUS *Zeigl.*

- ✕ O. OBSCURUS *Fab. Steph.* Raehills. Rev. W. Little.
 ✕ O. PUNCTICOLLIS *Payk. Steph.* Near Edinburgh, Berwickshire.
 ✕ O. PUBESCENS *Payk. Steph.* On sea-coasts; near Edinburgh, East Lothian, Dumfries, &c.

HARPALUS *Latreille.*

- ✕ H. TARDUS *Ill. Dej. (not Steph.)* Occasional.
 rufimanus Marsh. Steph.
 fuliginosus Steph.
 latus Steph.
 lentus Sturm.
- ✕ H. RUBRIPES *Gyll. Steph.* Occasional; Dollar, Edinr., Fife.
 Petisii Steph.
 azureus Steph.
 chloropterus Steph.
 marginellus Steph.
 fulvipes Steph.
 lentus Steph.

H. PUNCTIGER *Steph.* Salisbury Craigs. *Ent. Edin.*

- ✕ H. LIMBATUS *Duft. Steph.* Common.
 rufibarbis Fab.
 flaviventris Sturm.

- ✕ H. AENEUS *Fab. Steph.* Common.
 Proteus Payk.
 concinus Steph.
 subcœruleus Steph.

- ✕ H. RUFICORNIS *Fab. Steph.* Common.
 pubescens Müll.

† ✕ H. *anxius*
 STENOLOPHUS (*Meg.*) *Dej.*

ACUPALPUS *Lat.*

- S. DORSALIS *Fab. Dej.* Raehills. (Near Paisley.)
 parvulus (Trechus) Steph. Rev. W. Little. Mr M. Young
- S. BRUNNIPES *Duft. Steph.* (Near Paisley.) East Lothian.
 atratus Dej. Mr M. Young. Mr Hardy.
 pallipes Steph.
- S. LURIDUS *Dej.* Moffat Hills. Rev. W. Little.
 flavicollis Steph. (not Sturm.)

Between Paisley & Neilston; Mr. Young.
Seemingly rare - Mull. R. B. 1856.
Common, Ayrshire; Argyll; 1856.

Tollcross & near Paisley. 1856

1 spec. = Mull; Paisley; Rare. 1856
H. H. M. G.

= fulvipes of Dawson's List; Common. 1856
Common in sunny places. 1856.

Common. 1856.

Rare. Ayrshire; Mr. Duncan. 1856.

The Paisley doesalis has been entered by
mistake. S. brunnipes is according to
Dawson a dark variety of Bradacellus fulvus
= harpalinus of next page. S. brunnipes
of Sturm has not occurred in Britain.
1856

Boggy places. Common. 1856.

Most frequent on heaths. 1856.

Common. 1856.

Not rare in damp heathy places. 1856

Near Paisley. 1856.

Very common. 1856.

Kirkintilloch; Inverary; &c 1856.

Common. 1856.

Very common. 1856.

Inverary; Atran; Mull; &c. 1856

- X A. ^{x Picus} PICIPES Dej. Erich. Steph. Not rare.
 OLISTHOPUS Dej.
- X O. ROTUNDATUS Pk. Steph. Not rare.
 rotundicollis Steph. (Odon-
 tonyx Steph.)
- PECILUS Bon.
- X P. CUPREUS Lin. Steph. Common.
 Var. rufifemoratus Steph.
 Var. versicolor Sturm,
 Steph. Not uncommon.
- X P. LEPIDUS Fab. Steph. Tollcross, near Glasgow. Mr Hislop.
 1856
- ARGUTOR Meg.
- X A. STRENUUS Ill. Panz. Near Paisley. Mr M. Young.
 pullus Gyll. Dej. (not Steph.) 1856
 diligens Steph.
- A. PYGMEUS Sturm, Erich. Rare.
 strenuus Dej. Steph.
 pullus Steph.
 interstinctus Steph.
- X Var. erythropus Marsh. Common.
 Steph.
- X A. VERNALIS Dej. Steph. Occasional in Galloway and Dum-
 rufomarginatus Curt. Steph. friessh. Rarer towards the North.
- OMASEUS Ziegler.
- FERONIA Dej.
- X O. NIGRITA Fab. Steph. Common.
 rufifemoratus Steph.
- X O. ORINOMUM Leach, Steph. Found sparingly in the south, east,
 Bulwerii Steph. and north of Scotland; more plen-
tiful in the west and among the
Isles. 1856
- X O. MELANARIUS Ill. Steph. Abundant.
 affinis Steph.
- STEROPUS Meg.
- FERONIA Dej.
- X S. MADIDUS Fab. Steph. Very common.
- X S. ÆTHIOPS Panz. Steph. Not common. West of Scotland. †

PLATYSMA *Bon.*FERONIA *Dej.*X P. NIGER *Fab. Steph.* Common.ABAX *Bon.*FERONIA *Dej.*X A. STRIOLA *Fab. Steph.* Occasional throughout Scotland, but not common.BROSCUS *Panz.*CEPHALOTES, *Bon. Dej.*X B. CEPHALOTES *Lin. Steph.* Common on sandy sea-coasts.
*vulgaris Bon.*STOMIS *Clair. Dej.*X S. PUMICATUS *Panz. Dej. Steph.* Occasional.X *Oodes helopioides*AMARA *Bon.*(PERCOSIA *Zimmer.*)A. PATRICIA *Creutz.* Border of a heath in Berwickshire ;
marginata Curt. very rare. Mr James Hardy.(CELIA *Zimmer.*)X A. BIFRONS *Gyll. Steph.* Forfarshire, Berwickshire.*discrepans Marsh.*X *oricaleica Müller*(AMARA *Zimmer.*)X A. PLEBEIA *Gyll. Dej.* Near Edinburgh, East Lothian ;
(not *Steph.*) Whittingham.
nitida Steph.(X) A. COMMUNIS *Fab. Steph.* Occasional.*similata Gyll. Dej. Steph.**montivaga Sturm.*X A. OBSOLETA *Duft. Dej. Steph.* Raehills.*pratensis Sturm.**ovata Fab. Steph.**ingenua Steph. (not Erich.)**subaenea Steph. (not Erich.)*

Rev. W. Little.

Common. 1856.

Bowling; Paisley, 1856.

Ayrshire. 1856.

Not common, Kelvin. 1856.

Paisley Moss, Mr. Young. 1856.

Inctinnan R.H. Tolleross, Mr. Donaldson. 1856.

Rather common. 1856.

(Paisley) not certain 1856.

Renfrewshire. 1856.

In moory places not rare. 1856.

Near Glasgow, Paisley & S., 1856.

Frequently found in moory places. 1856.

Near Clyde Mr. Young - 1856.

Very common. 1856.

Mull not scarce. 1856.

Shores of Clyde. 1856.

BRADYCELLUS *Erich.*ACUPALPUS *Dej.*TRECHUS *Clair. Steph.*

B. COGNATUS *Gyll. Dej.* Near Edinburgh ; Berwickshire ;
suturalis Steph. Renfrewshire.

*Deutchii Sahlberg.**Alpinus Schön.*

B. HARPALINUS *Dej.* Near Edinburgh ; East Lothian ;
fulvus Steph. Berwickshire, &c.

pallidus Steph.~~*lapidosus Dejeu.*~~

B. SIMILIS *Erich.* Salisbury Craigs, Moffat Hills, East
ruficollis Steph. Lothian, &c.

B. COLLARIS *Ph. Steph.* Near Edinburgh ; Berwickshire.

TRECHUS *Clair.*

T. MICROS *Herbst, Steph.* Berwickshire ; near Falkirk ; near
rubens Duft. Paisley ; Mull ; Glasgow. 1856

*planatus Duft.**sericeus Fletsch.*

J. ~~*perassicornis Sturm.*~~
 T. MINUTUS *Fab. Erich. Steph.* Abundant.

*tempestivus Panz.**quadristriatus Gyll.**rubens Clair. Dej.**aquaticus Steph.**fuscipennis Steph.**tristis Steph.**lævis Steph.*

T. PALUDOSUS (*Blemus, Steph.*) Grampian Hills ; Raehills, very
Gyll. scarce ; occasional, near Paisley ; 1856
 Berwickshire ; Zetland.

T. SECALIS *Ph. (Epaphius) Leach* Wet soils in several parts of Ber-
testaceus Fab. wickshire. Mr Hislop. Mr Hardy.

AEPUS *Leach.*

AE. FULVESCENS *Leach, Steph.* Between the layers of shale below
~~*marinus Störn*~~ high-water mark on the coasts of
 East Lothian and Berwick.

AE. ROBINII *Laboulbène* Similar localities in the Firth of
 Forth.

BEMBIDIUM *Lat. Dej.*1ST DIVISION. *Dej.*CILLENUM *Leach.*

- X B. LATERALE *Curtis, Steph.* Shores of the Firth of Forth, near
Leachii Dej. Edinburgh—rare; shores of Clyde
at Kilpatrick, in considerable
numbers.
- 3D DIVISION. *Dej.*
 TACHYS (*Meg.*)
- X B. RUFESCENS *Dej.* Near Paisley, common under bark ;
melanocephalus (Ocys.) Bothwell.
Steph.
tempestivus (Ocys.) Steph.
- X B. QUINQUESTRIATUM *Gyll.* Near Edinburgh ; Fife ; Dollar, &c.
Pumilio Duftsch. Dej.
acrocolium Bech.
currens (Ocys.) Steph.
- 4TH DIVISION. *Dej.*
 NOTAPHUS *Meg. Steph.*
- B. VARIUM *Oliv.* Dumfriesshire. *Ent. Edin.*
ustulatum Fab. Dej. (not
Lin.) Steph.
obliquus Steph. (not *Sturm*)
semipunctatus Don.
flammulatus Duft.
bifasciatus Leach, Steph.
nebulosus Steph.
var. fumigatus Steph. Dej.
 (not *Duft.*)
Sturmii Duft.
majus var. β, Gyll.
- B. FLAMMULATUM *Clair.* Banks of Teviot, opposite Minto ;
undulatum Sturm, Steph. likewise in Peebleshire, and near
majus Gyll. Annan.
tinctum Zett. *Ent. Edin.*
- 5TH DIVISION. *Dej.*
 B. PALLUDOSUM *Panz. Steph.* Banks of streams and lakes—local.
littorale Oliv. (Elaphrus.)
- 6TH DIVISION. *Dej.*
 TACHYPUS *Steph.* (not *Dej.*)
- X B. PUNCTULATUM *Drap.* Occasional in similar localities. ✓
chlorophanum Sturm, Steph.
aerosum Erich.
striatus Duft. Steph. (not *Fab.*)
- X B. PALLIDIPENNE *Ill.* Shore of Loch Leven ; coast of Ar-
Andreae Gyll. Steph. gyllshire ; Firth of Forth, &c.

Paisley. 1856.

Glyde near Hamilton; Renfrew. V. 1856.

Millport Mr. F. McCall; Near Monkton Mr. Currie
1856.

Occasional. Near Boy's House of Refuge,
Glasgow, &c. 1856.

Paisley. 1856.

Very common. 1856.

Glyde & Mydock Loch. 1856.
Bowling. R.W. 1856

Hilpatrick, occasional. 1856.

Very common by Kelvin &c. 1856
Banks of Kelvin. 1856.
Bothwell; Paisley. 1856.

- X B. BIPUNCTATUM *Lin. Steph.* Not rare on banks of streams, &c.
gracile Ramb.
- 7TH DIVISION. *Dej.*
 PERYPIHUS *Meg. Steph.*
- X B. LUNATUM *And. Duft. Steph.* Rare. Raehills; Kilpatrick, Ayr-
ustus Steph. shire; Berwickshire.
- X B. USTULATUM *Lin. Jacq: Duv.* Common.
littoralis Oliv. Steph.
rupestris Fab. Dej.
tetraspilatus Rudd, Steph.
rupicola Kirby.
Andreae Erich.
- X B. BRUXELLENSE *Wesm.* Not rare.
femoratum Gyll.
obscurum Redt.
- X B. FEMORATUM *Sturm. Dej.* Rare. Raehills; Dumfriesshire;
Steph. near Paisley. 1856.
ustulatus Oliv.
concinus Steph.? (not Putz.)
- X B. SAXATILE *Gyll. Steph.* Berwick; Raehills. Rev. W. Little.
var. elegans Steph.
- B. FASCIOLATUM *Duft.**
ustulatus var. E. Payk.
var. A. cœruleum Dej.
var. B. atrocœruleus Steph. Not uncommon.
cyanescens Wesm.
cumatile Schiodte.
var. C. tibialis Duft. Steph. Dumfriesshire; Dollar; Paisley; 1856.
cnemerythrus Steph. Whittingham.
- B. MONTICULUM *Sturm. Steph.* Banks of the Annan. Occasional
 on high grounds in Renfrewshire. 1856
- B. DECORUM *Panz. not Steph.* Not rare.
agilis Steph.
viridiæneus Steph.
- B. RUFIPES *Ill. Sturm. (not Dej.)* Not common. Portobello; Ber-
Gyll. nor Dej.) wickshire.
brunnipes Dej.
decorus Steph.
albipes Steph.
var. A. stomoides Dej.†

* The type of this very variable species, and var. A., so far as I know, are not found in Britain.—A.M.

† I have inserted the varieties of this and of the next species to complete the synonymy, but they have not yet been found in Scotland.—A. M.

- X B. NITIDULUM *Marsh. Steph.* Dumfriesshire; Renfrewshire. 1856.
 rufipes Gyll. Dej.
 brunnipes Sturm.
 var. A. *brunnicornis Dej.†*
 var. B. *deletum Dej.†*
 var. C. *affinis Steph.†*
 X B. PRASINUM *Duft. Dej.* Lochlomond; Lanarkshire; Cra-
 olivaceum Gyll. Steph. mond; Berwickshire. 1856.
 Leachii Steph.

8TH DIVISION. *Dej.*LEJA *Meg.*

- X B. LAMPROS *Herbst.* Common.
 celer Fab. (Tachypus) Steph.
 rufipes Oliv.
 acutus Marsh.
 pulchella (Lopha) Marsh. Steph.
 var. *velox Erich.* Common.
 properans Hoffm. (Tachypus)
 Steph.
 chalceus Steph.
 orichalcicus Steph. (not Ill.)
 X B. PUSILLUM *Gyll. (not Steph.)* Local. Dalmeny, near Edinburgh.
 minima Fab. (Lopha) Steph.
 atratum Sturm.
 X B. GILVIPES *Kollar, Sturm.*
 var. *Mannerheimii Schlb.* Raehills. Rev. W. Little.
 nigra Wilkin, Steph.
 B. DORIS *Ill. Dej. Er. (not Steph.)* Raehills; East-Lothian; Berwicksh.
 assimilis (Lopha) Steph.
 (not Gyll.)
 var. *acquaticum Panz.*
 minutum Fab.
 var. *aquatilis Ill.*
 X B. SCHUPPELLII *Dej.* Near Edinburgh. Occasional.
 X B. OBTUSUM *Sturm, Dej. Steph.* Occasional.
 (Tachys, Steph.)
 immunis Steph.
 pusillus Steph.
 gracilis Steph.
 X B. GUTTULUM *Fab. Dej. Erich.* Not rare.
 (not Steph.)
 riparius Oliv.
 immaculatum Höpf.
 binotatus (Tachys) Steph.
 vittatus (Tachys) Steph.
 var. *hæmorrhous Steph.*
 var. *bisignatum Dej.*

Near Luss & Lanark, not rare. 1856.

Rare; but on one occasion nearly two
dozen were found on Lelyde near Hamilton
R. H. 1856

Common. 1856.

Renfrewshire. 1856.

Renfrewshire. 1856.

Kelvin occasional; Renfrewshire. 1856.
Kelvin, Renfrews, &c. 1856.

Not rare. 1856.

Occasional by Celyde. 1856.

Occasional on Celyde & Hart.

Rather common. 1856.

Not rare. 1856.

4 of Lapponeus were first found in
Mull by Rev. H. Clark. 79 in 1855 by R. H.
1856

Blytheswood. Still before entirely
built upon & many places round
Glasgow. 1856.

- * B. BIGUTTATUM *Fab.* Not rare.
 riparius Oliv.
 nigroæneum Sturm.
 guttula Steph.
 var. *fuscipes Dej.* Near Paisley. Mr M. Young.
 var. *vulneratum Dej.* Occasional. Near Edinburgh; Pais-
 biguttatum Steph. ley, &c.
 fuscipes Steph.
 subfenestratum Steph.
- (B. ÆNEUM *Germar, Steph. (Philo-*
 locthus) Common.
 marinum Schiodte.
- 9TH DIVISION. *Dej.*
 LOPHA *Meg.*
- B. QUADRIGUTTATUM *Fab. Dej.*
 Steph. Roxburghshire; Berwickshire, &c.
 chlorocephalotes ♂ Voet. marshy spot near bridge No. 8,
 var. *speculare Kuster.* over Union Canal, near Edinburgh.
- (B. ARTICULATUM *Panz.* Ben Lomond. Dr Leach. *Steph. Illust.*
 pæcila Hoffm. Steph. 1856
 subglobosus Payk.
- 10TH DIVISION. *Dej.*
 TACHYPUS *Meg. Dej. (not*
 Steph.)
- B. PALLIPES *Duft. Steph.* Banks of Nith, near Dumfries.
 Rev. W. Little.
- (B. FLAVIPES *Lin. Steph.* Banks of Teviot, opposite Minto;
 impressus Fourc. (not Fab.) and Tweed, near Inverleithen;
 Berwickshire; near Paisley, &c.
 1856

FAMILY DYTISCIDÆ.

DYTISCUS *Lin.*

- (D. MARGINALIS *Lin. Steph.* Found in ponds throughout Scot-
 semistriatus Lin. land.
- (D. PUNCTULATUS *Fab. Steph.* Found in ponds throughout Scot-
 semisulcatus Müll. land.
 punctatus Oliv. Erich.
 porcatus Thunberg.
- D. ~~Laphoncus~~
 ACILIUS *Leach, Erich.*
- (A. SULCATUS *Lin. Steph.* Not rare.
 cinereus Rossi.
 Scoticus Curt. Steph.

- XA. FASCIATUS *De Geer, Steph.* Taken occasionally.
 canaliculatus Nicolai, Aubé.
 calignosus Curtis.
 sulcipennis Sahlb.
 dispar Zieg. Lacord.
 COLYMBETES *Clair.*
 MELADEMA *Lap. SCU-*
 LOPTERUS *Dej.*
- XC. FUSCUS *Lin. Steph.* Occasional.
 striatus Dej.
- XC. CONSPERSUS *Gyll. Aubé (not*
 Marsh.) Forfarshire. Rev. W. Little.
 notatus Lacord.
 pulverosus Knoch, Sturm,
 Steph.
- XC. NOTATUS *Fab. Gyll. Steph.* Dollar; Falkirk; Berwickshire.
 punctatus Hoppe.
 suturalis Lacord. Dej. Cal.
 roridus Müll.
 flavicollis Esch.
- XC. COLLARIS *Payk.* Braid marshes, near Edinburgh;
 exoletus Forst. Steph. Glasgow, &c.; abundant, but local
 adpersus Panz. (not Fab.) near Paisley. 1856
- XC. BISTRIATUS *Berg. Steph.* Dollar; Swinton, Berwickshire;
 agilis Payk. Erich. (not near Glasgow and Paisley.
 Fab.) 1856.
- ILYBIUS *Erich. Aubé.*
- XI. ATER *De Geer, Steph.* Near Edinburgh; Dollar; Kinross-
 quadrinotatus Steph. shire; Berwickshire; Glasgow.
 fenestratus Payk 1856
- I. QUADRIGUTTATUS *Lacord.*
 Erich. Dej. Roxburghshire; near Edinburgh.
 obscurus Marsh. Steph.
- XI. GUTTIGER *Gyll. Sahlb. Erich.*
 Steph. Frequent near Paisley. Mr M. Young.
 immunis Steph.
- XI. FULGINOSUS *Fab. Steph.* Common in pools.
 lacustris Panz.
 foetidus Müll.
- AGABUS *Leach, Aubé.*
- A. AGILIS *Fab. Steph.* Raehills, Dumfriesshire. Rev. W. Little.
 hæmorrhoidalis Fab. var.
 oblongus Ill. Gyll. Sturm.
 ruficollis Schall.

Possil bog; Paisley - 1856.

Robroyston. 1856.

Near Paisley Mr. Youny. 1856.

Near Paisley. 1856.

Rather common. 1856.

Occasional. 1856.

Dumbarton R. H. I angustior of English
Entomologist seems to be identical with
this. 1856.

- & running water.

Has not occurred at Paisley for several years. 6 or 8 spec^s.
were taken about 1840. N. H. 1856.

Not very common Robroyston T. 1856.

Near Inchinnan Mr. Young T. R. H. 1856

In running water. 1856.

In Lochlomond & other Highland lakes a dark var^{ty}
occurs which is *A. Pulehellus* Heer. 1856.

Occasional Pollockshaw T. 1856.

Common

A. congener is rare near Glasgow, one spec^s.
was taken at Robroyston T. a few in Mull.

It is more frequent among the Gumpians of
Glova N. H. 1856.

Very common. 1856.

- X *A. ARCTICUS* Payk. Steph. Dollar—rare. Plentiful in the island of Mull. 1856
Mr J. T. Syme. Mr Hislop.
- A. ULIGINOSUS* Lin. Fab. Erich. Rare. Near Edinburgh; Aberdeenshire.
Steph.
- X *A. FEMORALIS* Payk. Steph. Pools by the side of Tweed and
assimilis Sturm. Teviot. Near Falkirk and Paisley. 1856.
- X *A. STURMII* Schon. Steph. Common. 1856. *R.H. R.H.*
- X *A. CHALCONOTUS* Kugel. Panz. Not uncommon.
Ill. Steph.
cyaneus Steph.
concinus Marsh.
nigroæneus Marsh. Steph.
(immature.)
aterrimus Steph.
montanus Steph.
- X *A. FONTINALIS* Steph. Not common.
vittiger Steph. (not Gyll.
Aubé.)
- X *A. GUTTATUS* Payk. Steph. Common.
fenestratus Panz. (not Fab.
Steph.)
- X *A. MACULATUS* Lin. Steph. Common.
- X *A. PALUDOSUS* Fab. Gyll. Steph. Common.
congener Ill. (not Payk.
Steph. Erich.)
pallidipennis Lap.
striolatus Steph. (not Gyll.)
- X *A. BIPUNCTATUS* Fab. Er. Common. near Glasgow *J.C.* 1856.
~~*A. congener* Payk. Steph. Erich.~~
- A. nebulosus* Forst. Steph. Near Musselburgh.
Mr J. W. Douglas, *Entomologist*, 1831.
- X *A. CONSPERSUS* Marsh. Steph. Dumfriesshire; Fifeshire; near
subnebulosus Steph. Aubé. Glasgow; Renfrewshire, &c. *occasional*
1856
- X *A. AFFINIS* Payk. guttulus Ill. branchiatus Bab. Steph.
- X *A. BIPUSTULATUS* Lin. Steph. Common.
carbonarius Fab.
Snowdonius Newman, Steph.
- LACCOPHILUS Leach, Aubé.
- X *L. HYALINUS* De Geer, Steph. Near Edinburgh; Berwickshire;
Man. near Dollar; common near Glas-
minutus Marsh. Gyll. Aubé. gow, &c.
- X *A. pulchellus*. Heer var of *Maculatus* ?? 1856.

- L. MINUTUS *Lin. Fab. Erich.*
Steph. Rare. South of Scotland. *Ent. Edin.*
 interruptus *Panz, Aubé.*
 hyalinus *Marsh. Sturm.*
Steph. Illust.
- HYDROPORUS *Clair. Steph.*
 HYGROTUS *Steph., and*
 HYDROPORUS *Steph.*
- X H. DUODECIMPUSTULATUS *Fab.* Near Edinburgh; Dollar; Dumfriesshire; Berwickshire; Renfrewshire. 1856
Oliv.
 12-punctatus *Steph.*
- X H. ELEGANS *Illig.* Not frequent. Edinburgh, Fife, &c.
 depressus *Aubé, Steph.* (not *Fab.*)
 brevis *Sturm.*
- X H. DAVISII *Curtis, Aubé, Steph.* Common in running streams.
 borealis *Aubé, Steph.* (not *Gyll.*)
 minimus *Duft.*
 alpinus *Duft.*
 septentrionalis *Heer.* (not *Gyll.*)
- X H. FRATER *Kunzé, Steph. Gyll.* Near Edinburgh; Dollar; Berwickshire.
 assimilis *Sturm, Payk.*
 halensis *Steph.* (not *Fab.*)
 areolatus *Steph. Ill.* (not *Duft.*)
 affinis *Sturm.*
- X H. SEPTENTRIONALIS *Gyll.* Devon; Dollar; Whitadder; Esk, above Musselburgh.
 fluviatilis *Sturm.*
 alpinus *Kunzé, Steph.* (not *Payk. Gyll.*)
 rotundatus *Knoch.*
 striolatus *Dej.*
- X H. RIVALIS *Gyll.* Common in running streams.
 fluviatilis *Steph.*
 Stephensii *Rudd, Steph.*
- X H. HALENSIS, *Fab. Aubé.* Raehills. Mull. 1856.
 areolatus *Duft.* Rev. W. Little. Mr Hislop and Mr Syme.
 griseostriatus *Steph.* (not *Degeer. Gyll. Aubé.*)
- X H. PICIPES *Fab. Steph.* Raehills. Rev. W. Little.
 ovalis *Thun.* (not *Steph.*)
 punctatus *Marsh.*

Bute; near Glasgow: not uncommon; sometimes
occurs with elytra entirely black. 1856.

Abundant in Kelvina Clyde &c. 1856.

Frequent 1856.

Ponds & streams. 1856.

Common in Kelvins & most streams. 1856

Occasional near Glasgow; Ayrshire. 1856.

Not Plentiful 1856

Near Ardrossan W. Young. 1856.

Was abundant when railway was being made
to L. Lomond, just where it terminated; scarce since. R.H.
1856.

Leantire, Rev. H. Clark. 1856.
The commonest of *Hydroponi*

Colyde not common Mr. Young. 1856

Mull not common R.H. 1856.

Oban; not Plentiful 1856.

- X H. SCHONHERRI Aubé. ♂ Falkirk; Loch Lomond; Bute.
 consobrinus Zetten. ♂ 1856 1856
 novemlineatus Rudd. Steph. ♀
 nigrolineatus Gyll. Steph. ♀
 (not Sturm. Aubé.)
 parallelus Aubé, var. ♀
- X H. DORSALIS, Fab. Gyll. Raehills. Rev. W. Little.
- X H. PALUSTRIS Lin. Sturm. Steph.
 Erich. Common.
 sempustulatus Fab. Steph.
 litturatus Fab. (not Panz.)
 proximus Steph.
 var. Cambriensis Davis,
 Steph.
- X H. ERYTHROCEPHALUS Lin.
 Fab. Gyll. Steph. Aubé. Not rare.
 sericeus Esch.
 var. deplanatus Gyll. Aubé.
- X H. OVATUS Sturm. (not Fab.) Dollar; Berwickshire.
 latus Rudd. Steph.
 castaneus Heer.
- X H. NIGRITA Fab. Gyll. Sturm, Dollar; Braid Hills, near Edin-
 Erich. (not Steph.) burgh; near Paisley. 1856.
 trivialis Spence, Steph.
- X H. XANTHOPUS Steph. Dollar; Swinton; Berwickshire.
 planus Steph. Man. (not
 Fab.)
 flavipes Steph. Ill. (not Fab.)
 litturatus Brullé, Aubé (not
 Fab.)
- X H. PUBESCENS Gyll. Aubé, Steph. Not uncommon near Edinburgh;
 piceus Sturm, Erich. (not Kinross-shire; near Paisley, &c. 1856.
 Kirby, Steph.)
 melanocephalus Marsh.
 Steph. Sturm, (not Gyll.
 Aubé.)
 caliginosus Steph.
 planus Marsh. Steph. Illust.
 (not Fab.)
- X H. fuscus Helw.
- X H. melanocephalus Gyll. Oban H. Clark & R. H. 1856
- X H. VITULA Erich. Dollar; Fife; Kinross-shire; Pais-
 nigrita Steph. (not Fab.) ley; Raehills, &c. 1856
 ambiguus Aubé.

- XII. PLANUS *Fab. Gyll. Sturm,*
Erich. Aubé, (not *Steph.*) Near Edinburgh; Dumfriesshire;
flavipes Fab. Dollar.
ater Forster, Steph.
holosericeus Marsh. Steph.
Ill.
pubescens Steph. (not *Gyll.*)
fuscatus Steph.
- XIII. MEMNONIUS *Nicolai, Erich.*
Aubé, Steph. Raehills; Dollar; Kinross-shire;
niger Sturm, ♂ Tweed, Berwickshire.
jugularis Bab. ♂ ♀
sub-elongatus Steph. ♂
marginatus Steph. ♂ imma-
ture (not *Duft. Kunzé,*
Aubé.)
deplanatus Steph. ♀ (not
Gyll. Aubé.)
castaneus Aubé, ♀
- XIV. RUFIFRONS *Duft. Gyll.* (not
Steph.) Berwickshire, rare; occasional near
griseus Steph. Paisley.
piceus Steph. (not *Aubé.*)
- XV. ANGUSTATUS *Sturm. Erich.*
Aubé. Near Swinton, Berwickshire.
tristis Steph. (not *Payk*) Raehills.
acuminatus Sturm.
- XVI. GYLLENHALII *Schiodte,* Dalmeny. Rev. W. Little.
rufifrons Steph. (not *Duft.*
Gyll.)
piceus Aubé (not *Steph.,*
 nor *Sturm, Erich.*)
melanocephalus var. a. b.
- XVII. *Gyll. tristis Payk. Mull. 1856*
 XVIII. LINEATUS *Fab. Gyll. Sturm,*
Aubé, Erich. Near Smailholm Tower; Berwickshire.
pygmaeus Fab. Steph. Mr Hislop. Mr Hardy.
ovatus Fab. (not *Sturm.*)
ovalis Marsh. Steph.
- XIX. *obscurus Sturm & van R.H. Cornwell Hills, Angleshire*
 XX. UMBROSUS *Gyll.* Springly near Paisley. Mr M. Young.
- XXI. PICTUS *Fab. Gyll. Steph.*
Aubé. Near Edinburgh; Berwickshire.
arcuatus Fab. Common near Paisley.
flexuosus Marsh.

Ayrshire. 1856.

Paisley. 1856.

Leantyre; Mull R.H. 1856.
H. Black

plentiful. H. Black. 1856.

and ditches east of Glasgow; Ayrshire, 1856.

Dumbarton, Renfrewshire; Rather common
in old quarries, 1856.

Pollockshaws. 1856.

Ayrshire 1856

Not common. 1856.

Posid. V. Not rare 1856

- X H. LEPIDUS *Oliv. Schön. Aubé*, Not rare. Near Edinburgh; Aberdeenshire; Berwickshire; Lanarkshire, &c. 1856
- X H. CONFLUENS *Fab. Panz. Gyll. Steph.* Raehills; near Paisley; near Falkirk. 1856.
- X H. INEQUALIS *Fab. Gyll. Steph. Erich. Aubé*, Near Edinburgh; Dumfriesshire; *parvulus Fab.* Berwickshire; Lanarkshire, &c. 1856.
reticulatus Steph. (not Fab.)
trifidus Marsh.
- H. RETICULATUS *Fab. Gyll. Aubé*, (not *Steph.*) Roxburghshire; Berwickshire.
collaris Panz. Steph.
var. affinis Steph.
- X *Chemidotus caesus Paisley, rare; Mr. Young 1856.*
- HALIPLUS *Lat.*
- X H. ELEVATUS *Panz. Gyll. Steph.* Whitadder; Water-of-Leith; Kelvin; Avon, &c. 1856
- X H. FULVUS *Fab. Clair. Bab. Erich. Steph.* Ponds near Edinburgh; Dollar; *ferrugineus var. β Schon.* Berwickshire; Paisley, &c. 1856
Gyll. Aubé.
ferrugineus var. Steph. Ill.
interpunctatus Marsh.
- H. VARIEGATUS *Sturm, Erich. Aubé.* Dollar. Mr J. T. Syme.
subnubilus Bab. ?
ruficollis Steph. Man. (not De Geer, Erich.)
margin-punctatus Steph. Illig. (not Panz.)
- X H. RUFICOLLIS *De Geer, Erich.* Not uncommon.
Steph. Illust.
impressus Gyll. Aubé, (not Erich. Ill.)
melanocephalus Steph. Illig.
fulvicollis Steph.
brevis Steph.
rubicundus Bab.
var. β margin-punctatus Panz. (not Steph.)

- X H. LINEATOCOLLIS *Marsh. Gyll.*
Steph. Aubé, Erich. Common.
bistriolatus Duft. Sturm.
trimaculatus Drap.
- X H. LINEATUS *Aubé.* Loch Leven; Swinton; Berwick-
confinis Steph. shire.
- H. OBLIQUUS *Fab. Panz. Steph.* Whitadder; Berwickshire.
confluens Fab.
marmoreus Oliv.

FAMILY GYRINIDÆ.

GYRINUS *Geoff.*

- X G. MINUTUS *Fab. Steph.* Near Hawick; Water-of-Leith, and
bicolor Oliv. (not Payk.) Braid ponds, near Edinburgh;
 Berwickshire; near Paisley. 1856
- X G. NATATOR *Lin. Gyll. Steph.* In ponds. Common everywhere.
Aubé.
var. substriatus Steph.
- X G. MARINUS *Gyll. Ahr. Erich.* Duddingston Loch, and Lochend—
Aubé. Steph. Canal near Glasgow and Paisley;
natator Fab. (not Lin.) Linlithgow Loch. 1856
æneus Steph. var. major
(not Aubé.)
æratu8 Steph. var. minor.
dorsalis Gyll. var.
- X G. *bicolor near Monkton, M. Duncan*
 ORECHTOCHILUS *Esch.* 1856

- X O. VILLOSUS *Fab. Gyll. Steph.* In the Jed, near Jedburgh; Earl-
Aubé. ston; Loch Lomond; Kelvin; 1856
 abundant in Eden, near Nen-
 thorn.

FAMILY HYDROPHILIDÆ.

HELOPHORUS *Fab.*

- X H. NUBILUS *Fab. Steph.* Not rare.
cinereus Marsh.

Near Paisley Mr. Young. 1856.

Dumbarton not rare; Mull plentiful. 1856.

Chyrshire. 1856.

FAMILY GYRINIDÆ

GYRINUS Geoff.

The Paisley insect = *Oethebium bicolor* 1856

X G. *var. bicolor* Geoff. In ponds. Common every where.

var. *albivittatus* Geoff.

X G. *var. albivittatus* Geoff. In ponds. Common every where.

var. *albivittatus* Geoff.

var. *albivittatus* Geoff.

var. *albivittatus* Geoff.

var. *albivittatus* Geoff.

var. *albivittatus* Geoff.

D. Colquhoun

ORPHETOCHEILUS Fabr.

X O. *var. albivittatus* Fabr. In ponds. Common every where.

var. *albivittatus* Fabr.

FAMILY HYDROPHILIDÆ

HELOPHORUS Fabr.

X H. *var. albivittatus* Fabr. In ponds. Common every where.

var. *albivittatus* Fabr.

Cart near Paisley 1856.

near Paisley, Mr. Young. 1856.

- ~~H. GRÆSEUS~~ *Brullé*
~~intermedius~~ *Dej. Mulsant.* Not scarce. 1856
- X H. AQUATICUS *Lin. Steph.* Common.
 æneus *Illig.*
 flavipes *Herbst.*
 stagnalis *Marsh.*
 grandis *Illig.*
- X H. GRANULARIS *Lin. Steph.* Common.
 flavipes *Fab.*
 aquaticus *Fab.*
 griseus *Herbst.*
 affinis *Marsh.*
- H. DORSALIS *Marsh.* Dollar. Mr J. T. Syme.
- H. FENNICUS *Payk.* Occasional; near Edinburgh; Berwickshire; Aberdeenshire.

HYDROCHUS *Germar.*

- ⊙ H. BREVIS *Herbst. Steph.* Braid Hill marshes, near Edinburgh.
 Abundant. Common in Cart,
near Paisley. 1856.
- H. ELONGATUS *Schaller, Steph.* South of Scotland, near Edinburgh.
cicindeloides Marsh.
- X H. AUGUSTATUS *Müller, Germar.* Braid Hill marshes, near Edinburgh; Swinton, Berwickshire; near Glasgow. 1856.
 elongatus *Oliv.*
 crenatus *Steph. (not Fab.)*
 bicolor *Dahl.*

OCHTHEBIUS *Leach, Lat.*ENICOCERUS *Curtis.*

- O. MARINUS *Payk.* Dalmeny Park, in a marsh by the shore. Rev. W. Little.
 meridionalis *Dej.*
 pallidipennis *Frivaldsky.*
- X O. EXCULPTUS *Müll. Germ.* Teviot, Leith, Devon, Cart, &c. 1856
 ♂ var. *a. viridiæneus Curtis.* Not scarce.
 ♀ var. *β. Gibsonii Curtis.*
 ♂ *tristis Curtis.*
sulcicollis Lintz.
- O. PYGMAEUS *Fab.* Swinton—sea coast, near Cockburnspath. Mr James Hardy.
 minimus *Fab.*
 riparia (*Hydraena*) *Illig.*
 (not *Steph.*)
 impressus *Marsh.*

+ X *O. bicolor Germar.*
 + X *O. hibernicus Curtis.*
punctatus. Steph.

HYDRÆNA *Kugelan.*

- X H. RIPARIA *Kug. Steph.* Common.
 minimus Payk. (Helophorus.)
 longipalpis Marsh.
 Kugellani Leach.
- X H. NIGRITA (*Müll.*) Berwickshire. Mr Hardy.
 pusilla Steph.

LIMNEBIUS *Leach, Solier.*

- X L. TRUNCATELLUS *Thunb. Fab.* Not scarce.
 Erich. (not Steph?)
 parvulus Herbst.
 affinis Steph.
 ater Steph.
- X L. NITIDUS *Marsh. Steph.* Not common. Water - of - Leith ;
 truncatellus Steph. ? Berwickshire.
- L. NIGRINUS *Marsh. Steph.* Occasional. Near Edinburgh ; River
 nigricans Curt. Annan, near Moffat ; Berwick-
 lutosus Marsh. Steph. shire.

BEROSUS *Leach, Lat.*

- B. LURIDUS *Lin. Fab.* Dumfriesshire. Rev. W. Little.
 (*not Steph.*)
 fuscus De Geer.
 globosus Curt. Steph. ?

HYDROBIUS *Leach.*

- X H. FUSCIPES *Lin. Steph.* Common.
 aquaticus Lin.
 scarabæoides Fab.
- X H. GLOBULUS *Payk. (Laccobius)* Common.
 Steph. Syn.
 limbatus Fab. Steph. Man.
 minutus Oliv. Marsh. Steph.
 var. *bipustulatus Marsh.*
 Steph.
 similis De Castelnau.

LACCOBIUS *Erich.*

HYDROBIUS *Steph.*

Ladzow Barn B.H. 1856.

Near Glasgow & Paisley. 1856

x

x

x

x

x

x

x

x

x

HYDROPHILA

XII. *Hydrophila* *Steph.* Common.
sinuata *Steph.* (*Hydrophila*)
longipennis *Steph.*
neglecta *Steph.*

XII. *Hydrophila* *Steph.* *longipennis* *Steph.*

HYDROPHILA

XII. *Hydrophila* *Steph.* *longipennis* *Steph.*
sinuata *Steph.*
neglecta *Steph.*

Moor near Drumbarton, 1856.

Hydrophila *Steph.* *longipennis* *Steph.*

Hydrophila *Steph.* *longipennis* *Steph.*
sinuata *Steph.*
neglecta *Steph.*

HYDROPHILA

XII. *Hydrophila* *Steph.* *longipennis* *Steph.*
sinuata *Steph.*
neglecta *Steph.*

HYDROPHILA

XII. *Hydrophila* *Steph.* *longipennis* *Steph.*
sinuata *Steph.*
neglecta *Steph.*

XII. *Hydrophila* *Steph.* (*Hydrophila*) *longipennis* *Steph.*
sinuata *Steph.*
neglecta *Steph.*
sinuata *Steph.*
neglecta *Steph.*
sinuata *Steph.*

HYDROPHILA

XII. *Hydrophila* *Steph.*

XL. MINUTUS *Lin. Erich. Müll.* Common.(not *Steph.*)chrysomelinus *Müll.*coccinelloides *Schrk.*marginellus *Herbst.*bipunctatus *Fab. Marsh.**Steph.*var. striatulus *Fab. Steph.*var. pallidus *De Castel.*var. colon *Steph.***PHILHYDRUS** *Solier.***HYDROBIUS** *Steph.***XP. MELANOCEPHALUS** *Oliv. Gyll.* Not common. Fifeshire; near Paisley.*Steph. Muls.*ochropterus *Marsh. Steph.*minutus *Payk.*marginatus *Duft.*dermestoides *Marsh.*quadripunctatus *Herbst.*bicolor *Fab.*var. testaceus *Fab. Steph. Dollar.*

Mr J. T. Syme.

*Muls.*torquatus *Marsh. Steph.*grisescens *Sturm.*fulvus *Marsh. Steph.***XP. MARGINELLUS** *Fab. Steph.* Near Paisley, rare Dollar.affinis *Payk. Gyll. Steph.*

1836

Mr. M. Young.

Mr J. T. Syme.

var. minutus *Fab.*margipallens *Marsh.***CYLLIDIUM** *Erich.***CHAETARTHRIA** *Water.***CÆLOSTOMA** *Brullé.***C. SEMINULUM** *Payk.*

Among sphagnum, Berwickshire.

nigrinus (*Dermestes*) *Marsh.*

Mr J. Hardy.

hemisphericus *Dej.***CYCLONOTUM** *Dej.**Erich.***CÆLOSTOMA** *Brullé.***XC. ORBICULARE** *Fab. Steph.*

Scarce. West end of Duddingston

Loch; near Paisley; Kilmun, 1836

SPHÆRIDIDIUM *Fab.*

- ✕ S. SCARABÆOIDES *Lin. Steph.* Common. 1856.
 quadrinaculatum Schrank.
 Steph.
 bipustulatum Herbst. (not
 Steph.)
- ✕ S. BIPUSTULATUM *Fab. Steph.* Not rare. 1856.
 hæmorrhoum Schrank.
 testudinarium Fourc.
 marginatum Scriba, Fab.
 Steph.
 scarabæoides Laich. (not
 Lin. Steph.)
 semistriatum De Cast.
 quadrinaculatum Marsh.
 (not *Schrank, Steph.*)
 Daltoni Kirby, Steph.

CERCYON *Leach.*

- C. OBSOLETUM *Gyll. Steph. Muls.* Occasional.
 lugubre Oliv. Marsh.
 (not *Erich. Heer, Muls.*)
 atomarium Payk.
- ✕ C. HÆMORRHOIDALE *Fab. Steph.* Common.
 Muls.
 melanocephalum var. β Illig.
 obsoletum De Castel.
 piceum Marsh. Steph.
 var. impressum Sturm. Rare. Near Edinburgh.
 Steph.
- C. HÆMORRHOUM *Gyll. Steph.* Near Edinburgh. Rare. A. Murray.
 Muls.
 hæmorrhoidale Fab.
 melanocephalum var. β Illig.
 xanthorrhœum Leach, Steph.
- C. LATERALE *Marsh. Steph.* Not uncommon.
 Muls.
- ✕ C. QUISQUILIUM *Lin. Steph. ♂* Common. 1856.
 Muls.
 minimus? Scop.
 xanthopterum Laich.
 unipunctatum Fab. Steph. ♂
 melanocephalus var. Herbst.
 dispar Payk. ♂
 var. flavum Marsh. Steph.

X C. *CHRYSOPEDE* Gr. M. Common 1854
var. fuscipes
var. fuscipes
var. fuscipes

C. *CHRYSOPEDE* Gr. M. Edinburgh; Dumfriesshire; Kirkcaldie, etc.; common.
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes

C. *CHRYSOPEDE* Gr. M. Not uncommon.
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes

X C. *CHRYSOPEDE* Gr. M. Under decaying rotaments on the coast. 1857
var. fuscipes

Edinburgh; Ayrshire; 1856.

var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes

X C. *CHRYSOPEDE* Gr. M. Common 1854
var. fuscipes

C. *CHRYSOPEDE* Gr. M. Near Edinburgh; Kirkcaldie; Dumfriesshire, etc.
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes

X C. *CHRYSOPEDE* Gr. M. Near Edinburgh; Haddington; Aberdeenshire; Valley; Forfarshire, etc.
var. fuscipes
var. fuscipes
var. fuscipes
var. fuscipes

SPERMATOPHYTES

45. *Podocarpus* L. Hook. Common
quadricornis Hook.
Steph.
Sparganium Hook. (not
Steph.)
 46. *Pinus* L. Hook. *Steph.* *Pinus* L.
harneyana Schrank.
resinosa Ait.
strobus Mill. *Steph.*
resinosa L. (not
Lin. Steph.)
resinosa De Curt.
quadrifida Mill. *Steph.*
var. Schrank. Steph.
Daltoni Koch. *Steph.*

CEROYON Leach.

- C. *amblyocarpus* Hook. *Steph.* *Muh.* Occasional?
regulare Olin. *Hook.*
(not Erick. Hook. Muh.)
oblongum Payson
 49. *Myrica* L. Hook. *Steph.* *Myrica* L.
Muh. *Steph.* *Myrica* L.
oblongata var. *Steph.*
oblongata De Curt.
peruviana Hook. *Steph.*
var. hypoleuca Hook. *Hook.* Near *Edinburgh*.
Steph.
 C. *amblyocarpus* Hook. *Steph.* Near *Edinburgh*. *Hook.*
Muh. *Steph.*
hypoleuca Hook.
oblongata var. *Steph.*
xanthocarpa Hook. *Steph.*
 C. *amblyocarpus* Hook. *Steph.* *Hook.*
Muh.
 50. *Quercus* L. Hook. *Steph.* *Quercus* L.
Muh.
phellos Hook.
xanthocarpa Hook.
puberula Hook. *Steph.*
puberula var. *Hook.*
puberula var. *Hook.*
var. Harney. Hook. Steph.

- X C.** UNIPUNCTATUM *Lin. Muls.* Common. 1856.
cordiger Fuessly.
dispar Payk. ♀
quisquilius Steph. ♀
- C.** CENTRIMACULATUM *Sturm.* Edinburgh; Dumfriesshire; Kinross-shire, &c.; common.
Erich. Muls.
pygmæum Gyll. (not Ill. Muls. Steph.)
bimaculatum Steph.
ustulatum Kirby. Steph.
inustum Marsh. Steph.
nubilipenne Steph.
- C.** PYGMEUM *Illig. Steph.* Not uncommon.
Muls.
stercorator Steph.
ferrugineum Herbst, (not Steph.)
var. conspurcatum Sturm, Dumfriesshire. Rev. W. Little.
Steph.
var. merdarium Sturm. Roxburghshire. Ent. Edin.
(not Steph.)
- X C.** LITTORALE *Gyll. Steph.* Under decaying rejectamenta on all the coasts. 1856
Muls.
ruficorne Kirby, Steph.
binotatum Steph.
dilatatum Steph.
- C.** FLAVIPES *Fab. Steph. Muls.* Common.
hæmorrhoidale Sturm.
melanocephalum Gyll.
suturale Steph.
femorale Steph.
picinum Steph.
- X C.** MELANOCEPHALUM *Lin.* Common. 1856
Steph. Muls.
- C.** MINUTUM *Fab. Steph. Muls.* Near Edinburgh; Kinross-shire; Dumfriesshire, &c.
triste Ill. (not Gyll.)
lævigatum Kirby, Steph.
convexior Marsh. Steph.
convexius Kirby, Steph.
convexiusculum Marsh. Steph.
- X C.** ANALE *Payk. Erich.* Near Edinburgh; Raehills; Aberdeenshire; Paisley; Berwickshire, &c. 1856
terminatum Marsh. Steph.
flavipes Thunberg.
apicale Steph.
infuscatum Steph.
var. marginellum Payk.

MEGASTERNUM *Mulsant.*CERCYON *Steph.*X M. BOLETOPHAGUM *Erich.**Muls. Steph.*

Common. 1856.

acutum *Steph.*immune *Kirby, Steph.*stercorarium *Marsh. Steph.*immaculatum *Kirby, Steph.*laeve *Marsh. Steph.*contaminatum *Kirby, Steph.?*ferrugineum *Marsh. Steph.?*concinnum *Marsh. Steph.?*fuscescens *Steph.?*immundum *Steph.?*CRYPTOPLEURUM *Mulsant.*CERCYON *Steph.*X C. ATOMARIUM *Fab. Steph.*

Common. 1856.

crenatum *Panz. Steph.*minutum *Payk. (not Steph.)*merdarium *Steph.*var. sordidum *Marsh.**Steph.*

FAMILY PARNIDÆ.

PARNUS *Fab.*DRYOPS *Lat.*X P. PROLIFERICORNIS *Fab.*

Not rare.

*Panz. Steph.*auriculatus *Oliv.*sericeus *Leach.*niveus *Heer.*var. impressus *Curtis.*var. bicolor *Curtis.*X P. AURICULATUS *Ill. Panz. Lat.* Not rare.*Steph.*

FAMILY ELMIDÆ.

ELMIS *Lat.*X E. ÆNEUS *Steph. Müller.*Megerlei *Duft.*Dumfriesshire; Dollar; Whitadder;
Berwickshire.

FAMILY BRYOZOIDE.

WETEROCHERUS

Dalrymple Park, Newmarket,
near Cambridge.

FAMILY MILPHIDE.

Not uncommon in Brute 1856.

Occasional, Milport. 1856.

Streamlet near Hamilton. 1856.

Glyde, Kelvin, &c. not uncommon. 1856.
Small stream near Cadzow Plentiful, 1856.

Glyde near Bothwell. 1856.

Glyde near Renfrew. 1856.

Colmis rugosus is supposed to be a var. of *E. parallelpipeda*.

Hill stream near Paisley, Mr. Young. 1856.

A single specimen R. H. 1856.

Sometimes plentiful, Kilpatrick Hills, Ayrshire. 1856.

Near Glasgow Do. Colquhoun 1856.

Lanarkshire, Ayrshire &c. 1856.

- X E. VOLKMARI *Lat. Panz.* Tweed; Teviot; Water-of-Leith;
Cart.; Devon, &c.
 X E. PARALLELOPIPEDUS *Ill.* Devon, at Dead Waters. Not rare
(Stenelmis) Steph. in southern counties.
 X E. CUPREUS *Steph. Müller.* ~~Water of Dryfe~~; Dumfriesshire;
 Berwickshire.
 E. DARGELASII *Lat.* Waters in south and middle of Scot-
 tuberculatus *Mull. (not* land.
Gyll.)
 X variabilis *Leach, Steph.*
 X E. LACUSTRIS *Spence, Steph.* Banks of Teviot opposite Minto.
 Rather plentiful. Whitadder.
 E. RUGOSUS *Bab.* Whitadder and Blackadder, in Ber-
 wickshire.
 X E nitens *Müll 1856*

FAMILY HETERO CERIDÆ.

HETERO CERUS *Bosc. Fab.*

- X H. MARGINATUS *Fab.* Marshy ground near the shore in
 Dalmeny Park; Berwickshire;
near Cambuslang.

FAMILY SILPHIDÆ.

NECROPHORUS *Fab.*

- X N. HUMATOR *Fab. Steph.* Common under carcasses.
 X N. VESPILLO *Lin. Fab. Steph.* Not very common.
 X N. VESTIGATOR, *Hersch. Steph.* Common.
 sepultor *Gyll. (not Charp.*
Steph.)
 var. interruptus *Steph.* Occasional.
 (not *Dej.*)
 X N. MORTUORUM *Fab. Steph.* Not very common.

NECRODES *Wilkin.*

- X N. LITTORALIS, *Lin. Fab. Steph.* Common under carcasses.
 clavipes *Sulzer.*
 var. lividus *Fab.*
 simplicipes *Dej.*

SILPHA *Lin. Fab.*OICEOPTOMA *Leach.*PHOSPHUGA *Leach.*

- X S. THORACICA *Lin. Fab. Steph.* Occasional
 X S. RUGOSA *Lin. Fab. Steph.* Plentiful. 1856
 S. SINUATA *Fab. Oliv. Steph.* Rare. Dumfriesshire; and near
 Edinburgh; Flisk, in Fifeshire.
 X S. DISPAR *Herbst, Steph.* Rare. Under rejectamenta, on shores
 of Lochleven.
 X S. OPACA *Lin. Fab. Steph.* Not common. Kinross-shire; Edin-
 burgh; Berwickshire; Aberdeens-
 shire; Lanarkshire, &c.
 S. QUADRIPUNCTATA, *Lin. Fab. Steph.* Very rare. Near Edinburgh; Perth-
 shire.
 X S. TRISTIS *Illig. Steph.* Not common. Near Edinburgh.
 X S. OBSCURA *Lin. Fab. Steph.* Not common, but generally distri-
 buted.
 X S. NIGRITA *Creutzer, Steph.* Not rare.
 (PHOSPHUGA *Leach.*)
 X S. ATRATA *Lin. Fab. Steph.* Common. 1856

SPHÆRITES *Duft.*HISTER *Fab.*

- S. GLABRATUS *Fab. Duft. Steph.* Berwickshire. A single specimen.
 Mr Jas. Hardy.

CATOPS *Fab. Steph.*CHOLEVA *Lat. Steph.*PTOMAPHAGUS, *Ill. Steph.*HYDROPHILUS *Fab.*

- X C. ANGUSTATUS *Fab. Steph.* Occasional.
 (*Choleva Steph.*)
 agilis Fab. (not Illig.)
 elongatus Payk.
 rufescens Illig. (not Fab.)
 oblongus Lat. Spence.
 cisteloides Froehl.
 X C. FUSCUS *Panz. Steph.* Portobello; near Paisley; Berwick-
 sericeus Payk. Spence. shire; Dumfriesshire. 1856
 rufescens Fab. (not Ill.)
 X C. UMBRINUS *Erich.* Paisley. 1856. Mr Morris Young.
 X C. NIGRICANS *Spence.* Occasional.
 fornicatus De Geer, Steph.
 Soror Newm. Steph.?

Ayrshire; Dumbarton; &c. (Not common. 1856.

Near Monkton Mr. Duncan 1856.

& Campsie, 1856.

Near Monkton. 1856.

Near Monkton. 1856.

Tollcross. 1856.

In Glasgow & neighbourhood; 1856.

^{Gardens}
Botanic, Glasgow R. H. 1856.

Mr. Murray in his recently published monograph of
the genus says that *L. picipes* has not occurred. 1856.
Near Glasgow R. H. 1856.

Killermont; Kelvin side. 1856.

Bank of Kelwin; not uncommon. 1856.

Loathcast 1856.

- (*C. PICIPES* *Fab.*
sericeus *Spence.* Near Edinburgh. Kirkcudbright; Dumfriesshire.) 1856.
- X *C. GRANDICOLLIS* *Erich.* Dumfriesshire; Paisley. 1856
- X *C. TRISTIS* *Panz. Spence.* Near Edinburgh; near Paisley. 1856
clavicornis *Forst. Steph.* Carfin; Raehills; Berwickshire; Aberdeenshire.
- (*C. LEACHII* *Spence, Steph.* Near Edinburgh. *Ent. Edin.*)
(*C. SPENCII* *Steph. = rotundicollis* Raehills. *Rev. W. Little.*) } 1856
- C. CHRYSOMELOIDES* *Panz. Lat.* Near Edinburgh. Not common.
East Lothian; Berwickshire.
- (*C. ELONGATUS* *Steph.* Dumfriesshire. *Rev. W. Little.*) 1856
- X *C. FESTINANS* *Spence, Steph.* Guillane Links, East Lothian; Dumfriesshire; Paisley, &c. 1856
montivagus *Heer.?*
- x *rotundicollis* *Kellner?*
- C. FULIGINOSUS* *Erich.* Kinross-shire; Dumfriesshire; Edinburgh.
Kirbii *Spence, Steph.*
- X *C. FUMATUS* *Spence, Erich.* Dumfriesshire, and near Edinburgh; Berwickshire; near Paisley; 1856.
Steph.
agilis *Fab.*
nigricollis *Sturm.*
Watsoni *Spence, Steph.*
Frater *Newm. Steph.?*
- X *C. VELOX* *Spence, Erich. Steph.* Near Edinburgh; Dumfriesshire; Berwickshire.
Wilkinii *Spence, Steph. = truncatus* *Renfrewshire;* Berwickshire. 1856
nubifer *Newm. Steph.*
- X *C. SERICEUS* *Fab. Panz.* Common. 1856
(not *Payk.* nor *Spence.*)
truncatus *Illig. Steph.*
villosus *Lat. Spence.*
picipes *Kugellan.*
- C. PRÆCOX* *Erich.* Dumfriesshire. *Rev. W. Little.*
- C. ANISOTOMOIDES*, *Spence, Steph.* Not common. Berwickshire; near Edinburgh, &c.
- (*C. DAVISII* *Steph.* Castle Campbell, near Dollar; Neuthorn.)

COLON *Herbst.**MYLAECHUS* *Lat. Steph.**CATOPS*, *Sahlb. Gyll.*

- C. CLAVIGER* *Herbst.* Dumfriesshire. *Rev. W. Little.*
- C. DENTIPES* *Sahlb.* Near Edinburgh; Dumfriesshire.
- X *C. BRUNNEUS* *Spence, Lat.* Near Edinburgh; Berwickshire; in moss near Paisley. 1856.
- C. FUSCULUS* *Erich.* Dumfriesshire. *Rev. W. Little.*

LEPTINUS Müller.

† X L. TESTACEUS Müller, Hardy. Near Paisley. 1856 Mr Morris Young.

FAMILY PTILIDÆ.

TRICHOPTERYX Kirby,
Steph.

- X T. FASCICULARIS Herbst. In putrid fungi, &c.
atomaria Steph. (not
De Geer.)
minutissima Marsh.
lata Motsch.
grandicollis Erich. (not
Mark.)
- T. DEPRESSA Sturm. On wall-tops near Edinburgh.
sericans Heer. A. Murray.
volans Motsch.
acuminata Motsch.
bovina Motsch.

PTILIUM Schüp. Erich.

TRICHOPTERYX Heer.
Alib. Steph.

- P. KUNZEI Heer. Wall-top, Slateford; Barnton.
nana Steph.
longicorne Markel, (not
Motsch.)
- P. MINIMUM Herbst. Steph. Near Edinburgh; Dalmeny, &c.
foveolatum Allibert.
excavatum Mark.
limbatum Motsch. (not
Heer.)
Gallicum Motsch.

PTENIDIUM Erichson.

ANISARTHRIA Steph.

TRICHOPTERYX Heer.
Alib. Güllm.

- P. PUSILLUM Gyll. (Scaphi- Cramond. Roslin. Ent. Edin.
dium, Gyll.) Steph.
nitidum Heer, (not Steph.)
quadrifoveolatum Allib.

This species had been taken previously in the south of
 England by Mr Sanson. 1856. x +

FAMILY ANISOTOMIDÆ

HYDROBIUS Schmidt

(Not uncommon 1856. x)

H. TIBIATIFORMIS Steph. Dalmeiy Park. Br. B. & Cassin

ANISOTOMA Koch
 Schmidt

TETRASTOMA Puffin

LEIODES Steph.

A. GIBBAROGENA Penn. Steph. Vicar's Bridge, Dollar. May 2, 1856

X A. FICCA Steph. Steph. Near Edinburgh; July 7/56

A. ONYX Steph. Near Musselburgh. July 21/56
 var. h. flav. Gyll.
 armato Puff. Steph.

X A. DUBIA Steph. Dalmeiy Park, Crumoch; August 18/56
 var. tuberosa Steph. Steph. August 18/56 *W. H. S.*

A. TERRESTRIS Gyll. Steph. Near Edinburgh; Dumfriesshire;
 arctus Koch. Steph. Kirkcubrightshire.

A. GYLLI Steph. Dumfriesshire; Kirkcubrightshire

A. CALVATA Steph. Near Edinburgh; Dumfriesshire

A. GYLLI Steph. Dumfriesshire; Edinburgh

A. GYLLI Steph. Dumfriesshire; Edinburgh

A. GYLLI Steph. Dumfriesshire; Edinburgh

A. GYLLI Steph. Dumfriesshire; Edinburgh

A. GYLLI Steph. Dumfriesshire; Edinburgh

A. GYLLI Steph. Dumfriesshire; Edinburgh

This species has been taken from the
 following localities:

FAMILY PRILIDAE

TRICHOPTERYX Gyll.

- X T. fasciolaris Herbst.
- montana Steph. (not)
- in (Cov.)
- monticola Marsh.
- lata Marsh.
- grandicollis Bruch. (not)
- Marsh.

In public garden
 Not uncommon

- T. varicosa Steph.
- varians Hear.
- X T. ...
-
-

On wall-tops near Edinburgh.

PHELIUM Scop. Ersk.

Hamilton. 1856.

Wall-top, Stairford, Hamilton.

- P. ...
-
- excavatum Marsh.
-
-

Near Edinburgh - Glasgow, etc.

PTENIDRYM Hal. non.

- AKHARFUSTA Steph.
- TRICHOPTERYX Hear.
-
- P. FUSILLUM Gyll. (Steph.)
-
-
-

Cramond. Road.

- P. PERPUSILLUM *Marsh. Steph.* Raehills ; Gerrick, Nenthorn.
melas Marsh. Steph.
nitidum Steph.
- P. NITIDULUM *Marsh. Steph.* Cramond. Rev. W. Little.

FAMILY ANISOTOMIDÆ.

HYDNOBIUS *Schmidt.*

ANISOTOMA *Sturm.*

LEIODES *Steph.*

- H. PUNCTATISSIMUS *Steph.* Dalmeny Park. Mr R. N. Greville.

ANISOTOMA *Knoch. Schmidt.*

TETRATOMA *Panzer.*

LEIODES *Steph.*

- A. CINNAMOMEA *Panz. Steph.* Vicar's Bridge, Dollar. Mr J. T. Syme.

- × A. PICEA *Illig. Steph.* Near Edinburgh ; Paisley. 1836
consobrina Sahl.

- A. OBESA *Schmidt.* Near Musselburgh. *Ent. Edtn.*

var. b. *picea Gyll.*
armata Payk. Steph.

- × A. DUBIA *Illig.* Dalmeny Park, Cramond ; Berwickshire ; Kinross-shire.
 Var. *rufipenne Payk. Steph.*

- A. FERRUGINEA *Gyll. Steph.* Near Edinburgh ; Dumfriesshire ; Kinross-shire.
arenaria Rudd. Steph.

suturalis Steph.
testacea Steph.

- A. OVALIS *Schmidt.* Dumfriesshire ; Kinross-shire.

Marshami Steph.

- A. CALCARATA *Schm.* Near Edinburgh ; Dumfriesshire.

thoracica Steph.
Dillwynii Steph.

- A. LITURA *Steph.* Dumfriesshire ; Edinburgh.

Rev. W. Little.

- A. PALLENS *Sturm.* Cramond. Rev. W. Little.

- A. BADIA *Sturm. Steph.* Cramond. Rev. W. Little.

(not *Schmidt.*)
laevicollis Sahl.

- A. PARVULA *Sahl.* Dalmeny Park ; Berwickshire ; Gerrick, Nenthorn.
brunnea Gyll. Steph.

Gyllenhalii Steph.
Badia Schmidt, (not Sturm.)

- A. MULTISTRIATA *Gyll. Steph.* Dalmeny Park. Mr R. N. Greville.
 A. CASTANEA *Illig. Steph.* (not Roslin. Cramond. *Ent. Edin.*
Kug.)
 A. MARITIMA *Rudd. Steph.* Joppa, near Edinburgh; Cramond.
 Mr J. T. Syme. Rev. W. Little.
 A. POLITA *Mar. Steph.* Dumfriesshire; near Edinburgh;
castanea Mar. (not *Kug.* Kinross-shire.
 nor *Steph.*)
 A. NIGRICOLLIS *Steph.* Cramond. Rev. W. Little.

COLENIS *Erich.*ANISOTOMA *Schmidt.*LEIODES *Steph.*

- ✘ C. DENTIPES *Gyll.* Rare. Cramond; Dalmeny; Ber-
aciculata Steph. wickshire; Hamilton; Paisley.
immundum (Sphaeridium) 1856
Sturm.

LIODES *Erich.*ANISOTOMA *Knoch. Dej.*LEIODES *Lat. Steph.*

- ✘ L. HUMERALIS *Kug. Steph.* In fungi. Edinburgh; Dollar;
Paisley; Berwickshire; Aber-
 deenshire, &c. 1856

AMPHICYLLIS *Erich.*AGATHIDIUM *Sturm. Steph.*

- ✘ A. GLOBUS *Fab. Steph.* Kelvin Bank; Cramond; Mussel-
ruficollis Oliv. burgh. 1856
 var. *staphylaeum Gyll.*
ferrugineum Sturm. Steph.

AGATHIDIUM *Ill.*

- ✘ A. NIGRIPENNE *Kug. Panz.* Scarce near Edinburgh. Local, but
ruficolle Marsh. Steph. plentiful, near Paisley. 1856
 ✘ A. ATRUM *Steph. (Sphaeridium)* Scarce near Edinburgh. Berwick-
Payh. shire and East Lothian. Not rare
rufipes Steph. near Paisley. 1856
 A. SEMINULUM *Lin. Gyll. Steph.* Berwickshire and Aberdeenshire.
globosum Illig. Mr Jas. Hardy.
 A. LAEVIGATUM *Erich.* Wall-tops, in autumn. Cramond.

- A. *INHAUS* V. *SCOTTI* Steph. Dumfries Park; Crickent.
- X. *S. FUSCIVITIS* Steph. Gasterophila Hill. Glasgow Hill.
SCOTTI Steph. Crickent - 1876
- A. *SINUOSA* Steph. Steph. Dumfriesshire. Nov. 1856. Steph.
- A. *CAROLINENSIS* Steph. Steph. Raebidis. Nov. 1856. Steph.
- CLAMMUS Fischer.
- C. *ESCHMANNI* Steph. Steph. Raebidis; near Edinburgh; Dumfriesshire.
- C. *ARMADILLUS* Zett. Steph. Steph. Carrick, Newburgh. Nov. 1856. Steph.
- X. C. *KIDGCLAYI* Steph. Steph. Kelvie, in moss. 1856. Nov. 1856. Steph.

FAMILY PHALACRIDÆ.

PHALACRUS Steph.

Hamilton, 1856.

- PH. *SUBMINIATUS* Steph. Steph. Dumfriesshire. Under bark, near Carrick, Dumfriesshire. Nov. 1856. Steph.
- PH. *SCOTTI* Steph. Steph. Dumfriesshire. Nov. 1856. Steph.

OLIGONEURUS Steph.

- O. *SCOTTI* Steph. Steph. Dumfriesshire. Under the bark of bark in winter. Glasgow Hill. Nov. 1856. Steph.
- O. *SCOTTI* Steph. Steph. Dumfriesshire. Nov. 1856. Steph.

- A. NIGRINUM *Sturm. Steph.* Dalmeny Park ; Cramond.
orbiculare *Steph.*
- ✕A. PUNCTULUM *Beck.* Corstorphine Hill. Common near
nanum *Steph.* Paisley. 1856
- A. MINUTUM *Sturm. Steph.* Berwickshire. Mr James Hardy.
- A. CARBONARIUM *Sturm. Steph.* Raehills. Rev. W. Little.
- CLAMBUS *Fischer.*
- C. ENSHAMENSIS *West. Steph.* Raehills; near Edinburgh; Berwickshire.
- C. ARMADILLUS *De Geer, Steph.* Girrick, Nenthorn. Mr Hislop.
cephalotes *Dej.*
convexus *Marsh.*
- ✕C. NIGRICLAVIS *Rudd. Steph.* Kelvin, in moss. 1856. Mr Hislop.

FAMILY PHALACRIDÆ.

PHALACRUS *Payk.*

- Ph. CORRUSCUS *Panz. Steph.* Dumfriesshire. Under bark, near
fimetarius *Fab.* Berwick.
ater *Panz.* Rev. W. Little. C. C. Babington.
- Ph. SUBSTRIATUS *Gyll. Steph.* Girrick, Berwickshire. Mr R. Hislop.
Mille-folii *Steph.* (not *Payk.*
Gyll.)
trichopus *Waltl.*
punctato-striatus *Waltl.*
- PH. CARICIS *Sturm. Steph.* Dumfriesshire. Rev. W. Little.
Mille-folii *Gyll. Ill.*
punctulatus *Dej.*

OLIBRUS *Erich.*

PHALACRUS *Payk. Steph.*

- O. CORTICALIS *Schön. Steph.* "Ravelstone Wood ; under the bark
stercoreus *Fab.* of firs in winter." Kinross-shire.
Dr Leach. *Ent. Edin.* A. Murray.
- O. BICOLOR *Fab. Steph.*
var. flavicornis *Sturm.* Dumfriesshire. Rev. W. Little.
Steph.

- O. *ÆNEUS* Illiger, *Fab. Steph.* Generally distributed.
ovatus Marsh. *Steph.*
cognatus *Steph.*
- O. *PICEUS* (Knoch) *Steph.* Dumfriesshire. Rev. W. Little.

FAMILY NITIDULIDÆ.

CERCUS *Lat. Erich.*

CATERETES *Heer. Steph.*

- C. *PEDICULARIUS* *Lin. Fab.* Berwickshire and East Lothian.
Steph. Mr James Hardy.
truncatus *Fab.*
Spireæ (*Anisocerus*) *Howitt,*
Steph.
- C. *BIPUSTULATUS*, *Payk. Steph.* Occasional.

BRACHYPTERUS *Kug.*

CATERETES *Steph.*

- × B. *URTICÆ* *Fab. Steph.* Very common. 1856

CARPOPHILUS *Leach,*
Steph.

- C. *HEMIPTERUS* *Lin.* Edinburgh—a single specimen; (in-
flexuosus *Payk. Steph.* troduced from abroad.) A. Murray.
bimaculatus *Oliv.*
cadaverinus *Fab.*
Ficus *Fab.*
- C. *QUADRISIGNATUS* *Erich.* Edinburgh—in a box of figs from
Smyrna; (likewise introduced.)
Dr Lowe.

EPURÆA *Erich.*

NITIDULA *Fab. Steph.*

- × E. *AESTIVA* *Lin. Steph.* (not *Ill.*) Common near Edinburgh; East
depressa *Gyll.* (not *Lin.*) Lothian; Aberdeenshire.
obsoleta *Herbst, Steph.*
villosa *Thun. Steph.*
ochracea *Erich.*
- × E. *OBSOLETA*, *Fab. Steph.* Linlithgow; Edinburgh; Paisley.
1856

- A. ...
- B. ...
- C. ...
- D. ...
- E. ...
- F. ...

G. ...
 H. ...

I. ...
 J. ...

K. ...

L. ...

M. ...

N. ...

O. ...

P. ...

Not uncommon in flowers. 1850.

Glasgow 1852.

Barber's Bank near Glasgow
 1852

Glasgow 1852

- C. ...* ...
- C. ...* ...

FAMILY NITIDULIDAE

CERCUS Lat. Steph.

CAMPIDENSIS H. Gr. Steph.

- C. ...* ...
- C. ...* ...

BRACHYPTERUS H. Gr.

Under bark near Maryhill. 1856.

CARPOPHILUS Latr.

- C. ...* ...
- C. ...* ...

Ayrshire. 1856.

EPURIA Latr.

- E. ...* ...
- E. ...* ...

- E. PUSILLA *Illig. Steph.* In woods near Kirriemuir, Forfarshire; Berwickshire; East Lothian; Aberdeenshire.
- E. OBLONGA, *Herbst, Steph.* On flowers. Occasional. Edinburgh; Dollar, &c.
- E. VARIEGATA *Herbst, Gyll. impressa Kirby, Steph.* Near Edinburgh — on plants, and under bark of trees; Berwickshire.
- E. MELANOCEPHALA, *Marsh. Steph.*
truncata, Kirby, Steph.
discolor Wall.
ferruginea Heer.
var. brunnea, Heer.
var. affinis Mar. Steph. Dollar.
- E. DECEMGUTTATA *Fab. Steph.* Rare. Cramond. Mr J. T. Syme.
Ent. Edin.
- NITIDULA, *Fab. Steph.*
- N. BIPUSTULATA *Lin. Steph.* Generally distributed, but in no great numbers.
- SORONIA *Erich.*
- NITIDULA, *Fab. Heer. Steph.*
- S. PUNCTATISSIMA *Ill. Steph.* Hawick and Jedburgh. *Ent. Edin.*
- XS. GRISEA *Lin. Steph.* Scarce. Near Edinburgh, Dollar, &c.
var. varia Fab.
variegata Oliv.
- OMOSITA *Erich.*
- NITIDULA *Fab. Heer, Steph.*
- O. DEPRESSA *Lin. Steph.* On decaying animal matter. Fife-
sordida Fab. shire. A. Murray.
Colon Herbst, (not Lin.)
varia Oliv.
immaculata Oliv.
- X O. COLON *Lin. Steph.* Not rare—on bones, &c.
hæmorrhoidalis Fab.
- O. DISCOIDEA *Fab. Steph.* Not rare—on bones, &c.
- MELIGETHES *Kirby, Erich. Steph.*
- NITIDULA *Fab. Dej.*
- M. RUFIPES *Gyll. Steph.* Occasional.
flavimanus Kirby, Steph.

- X M. *ÆNEUS* *Fab. Erich. Steph.* Common. 1856
 psyllius *Herbst.*
 Urticæ *Sam. Steph.*
 subtilis *Waltl.*
 alpestris *Heer.*
 var. *cœruleus* *Herbst, Steph.*
 var. *olivaceus* *Gyll.*
- X M. *VIRIDESCENS* *Fab. Steph.* Very common. 1856
 æneus var. γ *Schön.*
- X M. *PEDICULARIUS* *Gyll. Steph.* Plentiful. 1856
 M. *XANTHOCERAS* *Steph.* In flowers. Cramond. Rev. W. Little.
 M. *NIGRINUS* *Marsh.* Raehills. Dumfriesshire. Rev. W. Little.
 æthiops *Lat.*

THALYCRA *Erich.*

STRONGYLUS *Erich. Dej.*
Steph.

- T. *SERICEA* *Sturm. Erich.* Near Annan. *Ent. Edin.*
 fervida *Gyll. Steph.*

POCADIUS *Erich.*

STRONGYLUS *Herbst, Dej.*
Steph.

CYCHRAMUS *Heer.*

- X P. *FERRUGINEUS* *Fab. Steph.* In fungi; rare; near Edinburgh;
 æstivus *Herbst.* Coldstream, Berwickshire.
 striatus *Oliv.*

CYCHRAMUS *Kugelann,*
Erich.

STRONGYLUS *Herbst, Dej.*
CAMPTA *Kirby, Steph.*

- X C. *LUTEUS* *Fab. Steph.* Dumfriesshire, Ayrshire, and South
 of Scotland. 1856

IPS *Fab. Steph.*

- I. *QUADRIGUTTATA* *Fab.* ~~Very rare. Near Paisley. Mr. M. Young.~~

- X I. *QUADRIPUNCTATA* *Herbst,*
 Oliv. Steph. Under bark. Dumfriesshire, Ber-
 wickshire, Kirriemuir, Forfarshire,
 Glasgow, &c. More readily found
 among sawn wood. 1856

Near Monkton, Mr. Duncan 1856

Hamilton 1856

Entered by mistake 1856

Inverary not rare. 1856.

Under bark of Scotch firs, occasional. 1856.
Under bark of most kinds of decaying
trees. 1856.

Dear Monkton Mr. Duncan. 1856

Monkton Ayrshire Mr. Duncan, 1856

- XI. QUADRIPUSTULATA *Lin.* Found throughout the year under
Steph. bark of decayed fir-trees at Rae-
quadripustulata *De Geer.* hills in Dumfriesshire; Renfrew-
shire; Berwickshire. 1856
- XI. FERRUGINEA *Lin. Steph.* (*Pi-* Under bark. Forfarshire; Dum-
tiophagus Schuk.) friesshire; Berwickshire, &c.
dermestoides *Panz.*
linearis *Lat.*
- RHIZOPHAGUS *Herbst,*
Gyll. Steph.
- LYCTUS *Fab. Payk.*
SYNCHITA *Duft.*
- R. DEPRESSUS *Fab.* Berwickshire, and Aberdeenshire.
Mr Hardy.
- X R. FERRUGINEUS *Payk. Steph.* Not common.
- X R. DISPAR *Payk. Steph.* Commonest of the genus.
elongatus Oliv.
bipustulatus var. β *Duft.*
- X R. BIPUSTULATUS *Fab. Steph.* Not uncommon. 1856
dispar var. *b. Payk.*
c. Gyll.
bipunctatus *Herbst.*
- R. CYLINDRICUS *Steph.* Berwickshire and Aberdeenshire.
Mr Hardy.
- TROGOSITA *Oliv. Steph.*
- X T. MAURITANICA *Lin. Oliv.* A single specimen taken in the town
caraboides Fab. of Edinburgh. A. Murray.

FAMILY COLYDIIDÆ.

SARROTRIUM *Ill. Steph.*

ORTHOCERUS *Lat.*

- X S. CLAVICORNE *Lin.* Dalmeny. A single specimen.
muticum Lin. Fab. Steph. Rev. W. Little.
hirticornis De Geer.

DITOMA *Illiger.*

BITOMA *Herbst, Steph.*

SYNCHITA *Duft.*

- D. CRENATA *Fab. Steph.* Duddingston and south of Scotland.
 var. rufipennis *Fab.* *Ent. Edin.*
 picipes *Oliv.*

FAMILY CRYPTOPHAGIDÆ.

SYLVANUS *Lat. Gyll. Steph.*

LYCTUS *Fab.*

- X S. FRUMENTARIUS *Fab.* In Edinburgh. Imported with sugar
 sexdentatus *Fab.* from abroad. *A. Murray.*
 Surinamensis *Lin. Steph.*
- X S. BIDENTATUS *Fab. Duft.* Common ; likewise imported.
 sulcatus *Fab.*
 dentatus *Marsh. Steph.*

TELMATOPHILUS *Heer.*

CRYPTOPHAGUS *Gyll. Steph.*

LIMNESIUS *Dej.*

TYPHÆA *Kirby.*

- X T. TYPHÆA *Fallen, Heer, Steph.* Near Dunse, and Simprim, Berwickshire.
 T. CARICIS *Oliv. Steph.* Dollar. Lochend, near Edinburgh.
 Mr J. T. Syme. *A. Murray.*

ANTHEROPHAGUS *Kusch.*

Lat. Steph.

- A. SILACEUS *Herbst, Steph.* Rare. Fifeshire. *A. Murray.*
 (not *Gyll.*)
- X A. PALLENS *Gyll. Steph.* Scarce. Edinburgh, Dumfriesshire,
 Dollar, Berwickshire.

CRYPTOPHAGUS *Herbst,*

Lat. Steph.

- C. LYCOPERDI *Fab. Steph.* Not uncommon.
 Fungorum *Panz. Sturm.*
- X C. SCANICUS *Lin.* Common. 1856
 cellaris *Fab. Payh. Steph.*
 (not *Scopoli.*)
 humeralis *Steph.*
 denticulatus *Marsh.*
 var. cellaris *Sturm.*
 patruelis *Sturm.*

} occasionally floating in Tea cups. 1856.

Monkton Ayrshire (Mr. Duncan).

For nests of *Bombus* feeding on stored
Bollen: Dumbarton at root of *Atriplex*. 1856

Blantyre. 1886.

221

FAMILY CRYPTOPHAGIDÆ

SYLVANUS Lat. Gyll. Scop.

LYCINUS Fab.

ACRODACTYLUS Fab.

2186

occasionally feeding on *Scilla* 1856.

2187

2188

TELMATOPHILUS Hov.

CATERPILLARS Gyll. Scop.

LYCINUS Fab.

2189

2190

Kilpatrick Hills. 1856.

According to Mr. Wallaston, *A. atra* of Herbs
is very rare in Britain. 1856.

In Glasgow. 1856.

The *A. rufa*, *atricapilla* & *nigiceps* of this list
are all one species according to Mr. Wallaston
It should be named *atricapilla* 1856.
Near Paisley, 1856.

- X C. FUMATUS Gyll. Steph. Occasional.
- X C. BITUBERCULATUS Kirby, Jedburgh, and also in Argyllshire. 1856
Steph. Ent. Edin.
- PARAMECOSOMA Curt.
Erich. Steph.
- P. ABIETIS Payk. Gyll. Common.
Ulicis (Cryptophagus)
Kirby, Steph.
- X P. MELANOCEPHALA Herbst. Cramond Park. Very rare. Near
fungorum Gyll. Paisley. Rev. W. Little.
bicolor Curtis, Steph. Mr M. Young. 1856
- ATOMARIA Kirby, Heer,
Steph.
- A. NIGRIPENNIS Payk. Gyll. Cramond and Dalmeny woods.
Steph.
ruficollis Panz.
- A. MESOMELAS Herbst. Erich. Among the roots of grass. Not
Steph. common. Ent. Edin.
phœorrhæa Marsh.
globula Gyll.
dimidiata Marsh. Steph.
var. guttula Manner.
- X A. ATRA Herbst. Gyll. Common.
fimetaria Payk.
nitidula Marsh.
carbonaria Kirby, Steph.
- X A. UMBRINA Gyll. Near Edinburgh. Dalmeny; Ravel-
gnalis Schuffner, Erich. stone; Paisley; Berwickshire; 1856
fuscata Heer. Dumfriesshire, &c.
nigriventris Kirby, Steph.
- A. TERMINATA Heer, Er. Salisbury Craigs. A. Murray.
- A. LINEARIS Steph. Raehills. Rev. W. Little.
pygmæa Heer.
Dumetorum Dej.
- X A. RUFA Chevrier. Common.)
basella Kirby, Steph.
- A. ATRICAPILLA Kirby, Steph. Berwickshire. Mr Hardy.
- A. NIGRICEPS Erich. Dumfriesshire.) Rev. W. Little.
- X A. PUSILLA Payk. Gyll. Raehills; Nenthorn.
phæogaster Marsh. Steph.
thoracica Steph.
ruficornis Marsh. Steph.?
- X A. elongata Erich "Berwickshire Mr. Young" J. V. W. 1856
- X A. peltata Krasty "Near Paisley Mr. Young" J. V. W. 1856

- A. FUSCIPES *Gyll. Sturm. Steph.* Berwickshire; Dumfriesshire.
concolor *Minkel.*
- X A. TURGIDA *Erich.* Paisley. 1856 Mr M. Young.
versicolor
EPHISTEMUS *West. Steph.*
- X E. GLOBULUS *Payk. (not Heer.)* Occasional near Edinburgh. Ber-
gyrinoides *Marsh. Steph.* wickshire; Aberdeenshire.
nigriclavus *Steph.*
nitens (*Phalacrus*) *Marsh. Steph.*
piceorrhæus (*Phalacrus*)
Marsh. Steph.
pulchellus (*Phalacrus*) *Marsh.*
Steph.
- E. DIMIDIATUS (*Phalacrus*) Dumfriesshire. Rev. W. Little.
Sturm.
confinis *Steph.*
globulum *Heer.*
- MYCETÆA *Kirby, Steph.*
- X M. SUBTERRANEA *Fab.* Near Edinburgh. Raehills; Blair-
fumata *Marsh. Steph.* lodge, near Falkirk. Rare. Ber-
hirta *Marsh. Steph.* wickshire.
- TETRATOMA *Fab. Steph.*
- T. FUNGORUM *Fab. Steph.* "Jedburgh." *Ent. Edin.*
bicolor *Marsh.*
- X T. ANCORA *Fab. Steph.* Rare. Cramond; Girrick, Nen-
thorn; Paisley. 185

FAMILY LATHRIDIIDÆ.

MONOTOMA *Herbst. Lat.*
Steph.

- X M. PICIPES *Herbst. Steph.* Hot-beds. Common.
- X M. QUADRICOLLIS *Aubé.* Near Slateford. Near Glasgow.
angustata *Marsh. Steph.* A. Murray. Mr R. Hislop.
picipes *Gyll. var. b.*
bicolor *Villa, Dej.*
pallida *Steph.*

LATHRIDIUS *Herbst. Illig.*
Steph.

This insect is said by Mr. Holliston who had examined the specimen to be *versicolor* Erich.
Maryhill 1856. X 1856

Near Douglas Castle Mr. Holliston, 1856

on Maryhill road with *picipes* not here.
1856. X

- X L. LARDARIUS *De Geer, Steph.* Near Edinburgh; Dollar, &c. 1856
 acuminatus Kugelan.
 quadratus Herbst.
 rugicollis Marsh.
- X L. ELONGATUS *Curtis.* Devouring an old Greek author—in
 angustatus Steph. Paisley. 1856 Mr M. Young,
- X L. TRANSVERSUS *Oliv. Steph.* Wall tops. Common. 1856
 sculptilis Hum. Gyll.
 transversalis Dej.
 asperatus Meg.
 crassicornis Kirby.
- X L. PORCATUS *Herbst, Steph.* Wall tops; in houses; on bark, &c. 1856
 marginatus Payh.
 pullus Marsh.
 var. *ferrugineus Marsh.*
- L. NODIFER *Westw.* Dalmeny Park. Mr R. N. Greville.
 testaceus Waterh. Steph.

CORTICARIA *Marsh. Steph.*

- C. PUBESCENS *Ill. Steph.* Old walls, outhouses, &c.
 fenestralis Fab. (not Lin.)
 longicornis Herbst.
 punctulata Marsh.
 var. *castaneipes Meg.*
- C. CRENULATA *Schüpp. Steph.* More scarce. Sea-coast, Berwicksh.
- C. FERRUGINEA *Marsh. Steph.* At the roots of grass in shady places;
 fenestralis Lin. (not Fab.) Edinburgh, Dollar, &c.
- C. ELONGATA *Schüpp. Steph.* Dalmeny Park; Kinross-shire.
- X C. GIBBOSA *Herbst, Gyll. Steph.* Wall tops. Common. 1856
 minuta Fab.
 impressa Marsh.
- C. TRANSVERSALIS *Schüpp.* Raehills, Dumfriesshire; Berwick-
 Steph. shire.

FAMILY DERMESTIDÆ.

BYTURUS *Lat.*

- X B. TOMENTOSUS *Fab. Steph.* Common. 1856
 D

DERMESTES *Lin.*

- D. MURINUS *Lin. Steph.* Near Edinburgh. Scarce.
nebulosus De Geer.
catta Panz.
roseiventris (Peir.)
- D. LARDARIUS *Lin. Steph.* Near Edinburgh. Berwickshire.
 Occasional.

ATTAGENUS *Lat.*

- A. TRIFASCIATUS *Fab. Steph.* Taken by Dr Leach near Edinburgh.
Steph. Illustr.
- A. PELLIO *Lin. Steph.* Occasional, near Edinburgh.
bipunctatus De Geer.
cylindricornis Schrank. ♂
Schrankii Kugelan.
ater Herbst.
marcellarius Fab. ♀

ANTHRENUM *Geoff.*

- A. SCROPHULARIÆ *Lin. Steph.* Very rare. Near Edinburgh.
var. Histrio Fab. Ent. Edin.
Verbasci Herbst, (not Oliv.
nor Fab.)
- A. VARIUS *Fab. (not Steph.)* Dalmeny Park; Girrick; near Cold-
Verbasci Oliv. Steph. stream.
tricolor Herbst.
pictus Meg.
Scrophulariæ Sum.
- A. MUSÆORUM *Lin. Steph.* Jedburgh. Rev. W. Little.
Verbasci Fab.
fuscus Oliv.
obscurus Schön.
varius Steph. (not Fab.)

FAMILY GEORYSSIDÆ.

GEORYSSUS *Lat.*

- G. PYGMÆUS *Fab. Steph.* River Annan, near Moffat. *Ent. Edin.*
dubius Panz.
crenulatus Rossi.

GENUS BYRNIA

BYRNIA Lat.

A. C. ... In moss, ...
Vermont, ...

BYRNIA Lat.

Not ... 1850

BYRNIA Lat.

B. ...
New York, ...

B. ... 1850

B. ...

BYRNIA Lat.

Not ... 1850

BYRNIA Lat.

B. ...

BYRNIA Lat.

BYRNIA Lat.

DEMENTES Linn.

D. MYRINUS Linn. Steph.
scholasticus De Geer.
caesus Penn.
roseiventris (Fabr.)

East Edinburgh. Scarce.

D. LARBARIVS Linn. Steph.

East Edinburgh. Scarcely
occasional.

ATTAPENUS Linn.

Not uncommon, 1856.

A. FELLAS Linn. Steph.
bipunctatus De Geer.
cylindricornis Schrank. J.
schrankii Kugelann.

Occasional, near Edinburgh.

Benlomond, 1856.

ANTHRENUS Geoff.

A. BUBULANUS Linn. Steph. Very rare. Near Edinburgh.
var. Harrisii Fabr.
Tatjanae Herbst, 1808. Olin.
var. Fitchii.

Frequently undergoes transformations
amongst Sphagnema, 1856.

A. MESSOLEUS Linn. Steph.
Verbasci Fabr.
fuscus Gyll.

Scarce.

var. Fitchii.

I have never met with it.

3821

FAMILY GEORGYSSIDÆ

GEORGYSSUS Linn.

G. PYGMÆUS Fied. Steph.
dubius Penn.
oreolatus Hbst.

River Ayr, near Moffat. Not
common.

FAMILY BYRRHIDÆ.

ASPIDIPHORUS *Lat.*

- A. ORBICULATUS *Gyll. Steph.* In moss, Berwickshire; Kirkpatrick
Viennensis Zeig. Juxta, Dumfriesshire.

SIMPLOCARIA *Marsh.*

- ✕ S. SEMISTRIATA *Fab. Steph.* Occasional.
picipes Oliv. Steph.

BYRRHUS *Lin.*

- ✕ B. PILULA *Lin. Steph.* Occasional. On the summits of high
 hills; Edinburgh; Kinross-shire;
 Forfarshire; Sutherland, &c.
- ✕ B. FASCIATUS *Lin. Fab. Steph.* Musselburgh; Fife; Berwickshire,
 (not *Herbst.*) on heaths; Sutherland, &c.
- B. DORSALIS *Fab. Steph.* (not *Panz.*) Near Edin.; Forfarsh.; Grampians.

CYTILLUS *Erich.*BYRRHUS *Fab. Steph.*

- ✕ C. VARIUS *Fab.* Not scarce.
maculatus Herbst.
sericeus Steph.
bicolor Marsh.
pilula De Geer.

MORYCHUS *Erich.*BYRRHUS *Fab. Steph.*

- ✕ M. ÆNEUS *Fab. Steph.* Very scarce near Edinburgh. Dum-
 friesshire; more plentiful in Ar-
gyllshire and Ayrshire; and abun- 1856
 dant on the sandy links of Aber-
 deen; also found at St Kilda.

FAMILY THROSCIDÆ.

THROSCUS *Lat. Steph.*ELATER *Lin. Oliv.*TRIXAGUS *Kugel.*

- X T. DERMESTOIDES *Lin. Steph.* Pentlands. Paisley and Glasgow.
clavicornis Oliv.
adstrictor Fab. 1855

FAMILY HISTRIDÆ.

HISTER *Lin.*

- X H. UNICOLOR *Lin. Steph.* Occasional.

- X H. CADAVERINUS *Ent: Heft.* Not scarce.

Steph.

brunneus Illig.

impressus Fab.

- H. NEGLECTUS *Germ. Steph.*

Near Edinburgh; Queensferry, Fife,
Forfarshire.

- X H. CARBONARIUS *Ent: Heft.*

Steph.

Occasional.

striatus Illig.

- X H. PURPURASCENS *Payk. Steph.* Occasional.

- X H. BIMACULATUS *Lin. Steph.* Portobello; Queensferry; Glasgow.

- H. DUODECIMSTRIATUS *Payk.*

1856

Steph.

Raehills.

Rev. W. Little.

- + X H. LITOREUS *Hardy M.S.*
 DENDROPHILUS *Leach,*

Erich. Steph.

HISTER *Lin.*

- D. PUNCTATUS *Payk. Steph.*

Under bark of trees at Cramond.

SAPRINUS *Erich. Steph.*

HISTER *Payk.*

- X S. ROTUNDATUS *Ill. Steph.*

Cramond; Edinburgh and Glasgow.

conjugatus Ill.

Not common.

1856

- X S. AENEUS *Fab. Steph.*

Common in cow-dung in summer
months.

- S. MARITIMUS *Kirby, Steph.*

Under carcasses on shores of Firth of
Forth.

- X S. NITIDULUS *Fab. Steph.*

acuminatus Fab.

Edinburgh, Dumfries, Kinross shires,
&c. Common.

semistriatus Ent: Heft.

- + X S. *striatus*
 ONTHOPHILUS *Leach,*

Erich. Steph.

near Monkton (Mr. Simpson)
1856

Not uncommon. 1856.

Glasgow; Ayrshire. 1856. x
Near Glasgow. 1856. x

Ayrshire. 1856. x

Follcross, near Monkton Not Common. x
— at Kilmainside R.H. on Rare. 1856. x

Monkton Mr. Duncan. For description. See
M. S. Appendix 1856.

Near Rutherglen. Dr. Colynton. 1856. x

around Glasgow 1856. x

Near Glasgow, Dumbarton &c in 1856.

FAMILY - GISTRINE

HISTEE Lin.

XII. UNICOLOR Zett. Sept.

XIII. GADAVERINUS Ill. Hb. Sept.

NEPTUNUS Ill.

IMPROBUS Fab.

II. RECLINATOR Germ. Sept.

Near Edinburgh, County, Fife
Perthshire.

XIV. CAROSANUS Eul. Hb. Sept.

XV. PLEURANTER Germ. Sept.

XVI. TRACTATUS Ill. Hb. Sept.

H. DEPOSITUS Ill. Hb. Sept.

DEPOSITUS Ill. Hb. Sept.

HISTEE Lin.

XVII. VINCATUS Germ. Sept.

Under bark of trees at Dundee.

SABRINUS Koll. Sept.

HISTEE Lin.

Kilpatrick Hills &c 1856.

Ayrshire rare, Holy Island, Arran 1856.

ONTHOPHILUS Lach.

Ersk. Sept.

XO. STRIATUS *Fab. Steph.* Occasional.
sulcatus Oliv. (not Fab.)

ABRÆUS *Leach, Lat. Steph.*

A. GLOBOSUS *Ent: Heft. Steph.* Near Edinburgh. Near Peterhead.

A. NIGRICORNIS *Ent: Heft. Payk.* Raehills. Rev. W. Little.
minutus Fab. Steph.

FAMILY SCARABÆIDÆ.

DIVISION LUCANIDÆ. *M'Leay.*

PLATYCERUS *Geoff. Lat.*
Steph.

LUCANUS *Lin.*

CERUCHUS *M'L.*

P. CARABOIDES *Lin. Steph.* Aberdeenshire. *Ent. Edin.*

SINODENDRON *Fab.*

S. CYLINDRICUM *Lin. Steph.* Black Forest, Perthshire. Dr Nelson.

DIVISION GEOTRUPIDÆ.

GEOTRUPES *Lat.*

XG. STERCORARIUS *Lin. Steph.* Common throughout Scotland. 1856
♂ spiniger Marsh.

G. MUTATOR *Marsh. Steph.* Galloway. Mr J. T. Syme.
stercorarius Herbst.
politus Malin.

G. PUNCTATOSTRIATUS *Kirby,*
Steph. Dollar and Aberdeensh. Mr J. T. Syme.

XG. SYLVATICUS *Panz. Steph.* Not uncommon. 1856
stercorosus (Hart.) Scriba.

XG. VERNALIS *Lin. Steph.* Cheviots; Benlomond; Sutherland-
lævis Curt. Steph. shire. 1856

CERATOPHYUS *Fisch.*

GEOTRUTES *Lat. Dej.*

TYPHÆUS *Leach, Steph.*

- X C. TYPHÆUS *Lin.* Forfarshire. Misses Lyell. *Ent. Edin.*
vulgaris Leach, Steph.

DIVISION COPRIDÆ.

ONTHOPHAGUS *Lat.*

- X O. OVATUS *Lin. Steph.* Plentiful in sheep's dung on south
 ♂ var. *fucatus Muls.* side of Arthur Seat. Dollar.
 † X O. *nuchicornis* see *Appendix 1886.*

DIVISION APHODIIDÆ.

COLOBOPTERUS *Muls.*APHODIUS *Ill. Steph.*

- C. ERRATICUS *Lin. Steph.* Seaton, near Dunbar; Berwickshire.

OTOPHORUS *Muls.*APHODIUS *Ill. Steph.*

- O. HÆMORRHOIDALIS *Lin. Steph.* Fields near Colinton, and irrigated
alpinus Scopoli. meadows at Restalrig. *Ent. Edin.*
granarius Fab.

TEUCHESTES *Muls.*APHODIUS *Ill. Steph.*

- X T. FOSSOR *Lin. Steph.* Common. 1856

APHODIUS *Ill. Steph.*

- X A. SCYBALARIUS *Fab. Steph.* Near Edinburgh, Fife, &c. Not very
conflagratus Herbst. common.
conspurcatus Müller.
coprinus Marsh.

- X A. RUFIMANUS *Steph.*

Argyllshire, 1856

Rev. W. Little.

- X A. FIMETARIUS *Lin. Steph.*

Common. 1856

- A. LAPPONUM *Schön. Gyll.*
Rhenonum Zett.
subalpinus Hardy.

Forfarshire; Perthshire; Berwickshire; hills near Moffat.

- X A. ATER *De Geer, Ill. Muls.*
terrestris Fab. Steph.
obscurus Marsh.
 var. *A. terrenus Muls.*
 (not Kirby, Steph.)

Common. 1856

- A. TERRENUS *Kirby, Steph.*
pusillus Marsh.

Fifeshire.

A. Murray.

Near Monkton rare. Mrs Duncan 1856.

Near Monkton Mrs Duncan, 1856.

Near Monkton Mrs Duncan, 1856.

- A. ... Not common. Near Edinburgh.
- var. ... Common in Berwickshire; and near Dundee, in West Lothian.
- X A. ... Common. 1856.
- A. ... Not common.
- A. ... Near Edinburgh. Not common.
- A. ... Dollar; Kinross-shire; 1856; near Edinburgh; Berwickshire.
- var. ...
- var. ...
- var. ...

Tollcross. 1856.

- A. ... Near Edinburgh.
- A. ...
- var. ...

Glasgow 1856.

- X A. ... Common. 1856.
- A. ... Not rare.
- var. ... The commonest form.

Diptera

ONTHOPHORA

Aphodius Ill. Steph.

C. ERMATICUS Lin. Steph.

OTOPHORUS Muls.

Aphodius Ill. Steph.

O. HEMORRHOIDALIS Lin. Steph. Fields near Colyton, and irrigated meadows at Rostalgig.

alpina Scopoli.
granarius Fab.

TEUCHESTES Muls.

Aphodius Ill. Steph.

T. BOVICUS Lin. Steph.

Aphodius Ill. Steph.

X.A. CYBALINUS Fab. Steph.
conlagratus Herbst.
conspicatus Muller.
cupatus Marsh.

X.B. REPIRANSUS Steph.

X.A. FIMBRIATUS Lin. Steph.

A. LAPPONUM Schon. Gyll.
Rhenorum Zett.
subulpinus Hardy.

X.A. STEE De Geer Ill. Muls.
fortissima Fab. Grav.
obscurus Marsh.

X.B. A. IRRANSUS Muls.
(not Kirby, Steph.)

A. TENEXUS Kirby, Steph.
pullus Marsh.

Rostalgig, 1852.

Common, 1852.

Near Edlaburg,
common.

Ayrshire, 1852.

Common, 1852.

Fife-shire; Perthshire; Berwick-shire; hills near Moffat.

Common, 1852.

Fife-shire.

- A. QUADRIMACULATUS *Lin.*
Steph. Pentlands. Mr R. Logan.
 quadripustulatus *Fab.*
 sanguinolentus *Panz.*
- A. ULIGINOSUS *Hardy.* Berwickshire; Grampians in Forfarshire.
- A. PUSILLUS *Herbst, Schön, Steph.* Musselburgh. Mr J. Howden.
 granarius *Fab. Illig. Steph.*
 granum *Gyll. Steph.*
- A. SORDIDUS *Fab. Ill. Steph.* Not common. Near Edinburgh; Fife.
 var. rufescens *Fab. Muls.* Common in Berwickshire; and near Dunbar, in East Lothian.
- × A. MERDARIUS *Fab. Steph.* Common. 1856
 quisquilius *Schrank.*
- A. MELANOPUS *Kirby, Steph.* Not common.
- A. MELANOSTICTUS (*Schüpp*)
Schmidt. Near Edinburgh. Not common.
 conspurcatus *Fab. Steph.* *Ent. Edin.*
- A. INQUINATUS *Herbst, Steph.* Dollar; Kinross-shire; Fife; near
 distinctus *Müller.* Edinburgh; Berwickshire.
 vaginosus *Fuessly.*
 conspurcatus *Schrank.* (not *Fab.*)
 tessulatus (?) *Laich.*
 attaminatus *Marsh.*
- A. TESSULATUS *Creutz. Steph.* Arthur Seat.
 inquinatus *Oliv.*
- A. STICTICUS *Panz. Steph.* Near Edinburgh. *Ent. Edin.*
 nemoralis *Panz.*
- A. PORCUS *Fab. Steph.*
 anchoreta *Panz.*
 turpis *Marsh.*
 var. ruficrus *Marsh. Muls.* Dollar. Mr J. T. Syme.
- ACROSSUS *Muls.*
 APHODIUS *Ill. Steph.*
- × A. RUFIPES *Lin. Steph.* Common. 1856
 oblongus *Schrank.*
- A. LURIDUS *Fab. Steph.* Not rare.
 rufipes *Illig.*
 var. nigripes *Schön. Dej.*
Steph. The commoner form.

- A. *DEPRESSUS* *Kugel. Steph.* Plentiful in Orkney; rare elsewhere.
nigripes *Duft.* In bogs in Berwickshire; near Edinburgh.

MELINOPTERUS *Muls.*APHODIUS *Ill. Steph.*

- X M. *CONTAMINATUS* *Herbst. Steph.* Very common in autumn. 1856
conspurcatus *Oliv. (not Fab.)*
- X M. *PRODROMUS* *Brahm. ♂ Steph.* Very plentiful in spring and summer. 1856
contaminatus *Herbst.*
consputus *Duft.*
sphacelatus *Zetter. ♀ Steph.*
conspurcatus *Laich.*

HEPTAULACUS *Muls.*APHODIUS *Ill. Steph.*

- H. *SUS* *Herbst, Steph.* Taken most abundantly by J. Rawlins, Esq., in a field by Ravelston wood, near Edinburgh.
pubescens *Oliv.* Dr Leach in *Steph. Illust.*

DIASTICTUS *Muls.*PSAMMODIUS *Sturm, Dej. Steph.*

- D. *VULNERATUS* *Sturm.* Scarce. Avon, near Linlithgow.
Sabuleti *Ill. Steph.* Under stones near Musselburgh.
semipunctatus *Bon.*

DIVISION TROGIDÆ.

ÆGIALIA *Lat.*

- Æ. *ARENARIA* *Fab.* Shores of Firth of Forth. Occasional.
globosa *Kug. Steph.*

TROX *Fab.*

- T. *SCABER* *Lin. Steph.* Jardine Hall. Sir Wm. Jardine, Bart.
arenosus *Gmel. (not Gyll.)*
arenarius *Fab. (not Payk.)*
barbosus *Laich.*
hispidus *Payk, (not Laich.)*

DIVISION MELOLONTHIDÆ.

MELOLONTHA *Fab.*

- X M. *VULGARIS* *Fab. Steph.* Dalkeith Park, Lanark, Sorn, Rae-hills, and Mofat; Glencoe, &c. 1856
majalis *Molli.*

Handwritten notes at the top of the page, including "The following are..."

Handwritten notes and possibly a small table or list, partially obscured by bleed-through.

Handwritten notes, including "The following are..." and "The following are..."

Handwritten notes and possibly a small table or list, partially obscured by bleed-through.

Section header: DIVERSA SPECIES

Section header: PHELIUS sp.

Y. elongata L. var. sp. Parton, Inverness, Scotland, etc. Most abundant on banks of the Caldecaik Canal.

Section header: CETONIA sp.

X. acutata L. sp. Wigtonshire, Argyll, etc. Black Forest, Prussia. Dr. Kuhn.

Section header: FAMILY CRESSIDAE

Section header: ACHILLES sp.

A. ... Along river banks, etc. Dr. ...

Aylshire Not Common 1856

Near Dalry, Ayrshire, Rev. D. Smith 1856
 Abundant around Donnycastle, Arran Mrs. 1856

~~From~~ myriads at Inverary causing the
 branches of some of the trees to bend under
 their weight. June. 1856.

ERLINOPTERUS Muls.
 A. sub. 11. Steph.
 (M. sub. 11. Steph. 1856)
 (M. sub. 11. Steph. 1856)

Taken most abundantly by J. Mac-
 lisa, Esq. in a field by a plantation
 wood, near Edinburgh.

DIANTHUS Muls.
 P. sub. 11. Steph.
 Scares. Arran, near Lathcraig
 Under stones near Musselburgh.

DIVISION TROXIDAE

ROSTALIA Lat.
 B. ALEXANDRA Fab.
 globosa Kug. Steph.

TROX Fab.
 T. SCABRA Lat. Steph.
 brevis Vind. (not Gyll.)
 arenaria Fab. (not Payk.)
 barbata Lat.
 nigra Payk. (not Lat.)

DIVISION MELOLONTHEIDAE

MELOLONTHA Fab.

M. M. VILGATA Fab. (not Muls.)
 Muls. and Muls. (Gyllenhal, etc.)

† X M. HIPPOCASTANI *Fab. Steph.* Hamilton, Falkirk, and Levenside. 1856
vulgaris, var. *Oliv.* Mr Hislop.

ANOMALA *Koppe, Steph. Muls.*

EUCHLORA, *M^cLeay, Muls.*

X A. FRISCHII *Fab. Steph.* Sea-shore, Guillane Links; near
(not *Panz.*) Montrose; Ayrshire. 1856
Julii Payk.

PHYLLOPERTHA *Kirby.*

† X P. HORTICOLA *Lin. Steph.* Pentlands, Aberdeensh., Sutherland,
Argyllshire. 1856

—— var. *b. Heer.*

—— var. *D. Muls.*

var. *suturalis Newm.*

Ayrshire. 1856 Sutherland.

Mr J. T. Syme.

Mr James Wilson,

† X *Hepha argentea Catalani*

SERICA *M^cLeay.*

Arran M^cLeay Somerville
July 1855

X S. BRUNNEA *Lin. Steph.* Generally distributed throughout 1856
fulva De Geer. Scotland. A crepuscular insect.
fulvescens Fourc.

DIVISION CETONIDÆ.

TRICHIUS *Fab.*

T. FASCIATUS *Lin. Fab. Steph.* Perthsh., Inverness, Aberdeensh., &c.
succinctus Lat. Most abundant on banks of the
Caledonian Canal.

CETONIA *Fab.*

† X C. AURATA *Lin. Steph.* Wigtonshire, Ayrshire. 1856

C. OBSCURA *Dej.**

Black Forest, Perthshire.

Mr Weaver. Dr Nelson.

FAMILY BUPRESTIDÆ.

AGRILUS *Curtis.*

A. LITTLEI *Schuck.*

About three dozen specimens found,
on one occasion, on the willow at
Raehills, in the month of June.

Rev. W. Little.

* C. OBSCURA *Dej.* is considered by recent authors a mere variety of C. *ÆNEA Illig.* produced by climate or food; but as it is sufficiently distinct to be readily recognised, and is well known on the Continent by this name, I have preferred to keep it a distinct species.—A. M.

FAMILY ELATERIDÆ.

MELANOTUS *Esch. L. Redtenbacher.*CRATONYCHUS *Dej.*

M. RUFIPES *Herbst.* Near Edinburgh; Black Forest,
fulvipes *Herbst, Steph.* Perthshire; Dumfriesshire.

LACON *Laporte, L. Redten.*AGRYPNUS *Esch. Dej.*LEPIDOTUS *Steph.*

X L. MURINUS *Lin. Steph.* Not rare.

ATHOUS *Esch.*

X A. HIRTUS *Herbst.* Common.
aterrimus *Fab.*
niger *Oliv. Steph.*

A. LONGICOLLIS *Fab. Steph.* Dalmeny Park, near Edinburgh.
marginatus *Payk.*
marginellus *Herbst.*

X A. HÆMORRHOIDALIS *Fab. Steph.* Common. 1856
ruficaudis *Gyll.*
nalis *Herbst.*
var. obscurus *Payk.* Dollar. Mr J. T. Syme.

X A. VITTATUS *Fab. Steph.* Occasional.
subfuscus *Gyll.*
stricticollis *Panz.*

CAMPYLUS *Fisch.*EXOPHTHALMUS *Lat.*HAMMONIUS *Meg.*

X C. LINEARIS *Fab. Steph.* In rotten birch and alder stumps,
♂ dispar *Payk.* Berwickshire; Dumfries; Dollar.

LIMONIUS *Esch. Redten.*

X L. CYLINDRICUS *Payk. Steph.* Rare. Raehills; East Lothian;
Berwickshire.

L. SERRATICORNIS *Payk. Steph.* Near the village of Denholm, Rox-
serricornis *Herbst.* burghshire. *Ent. Edin.*

X L. MINUTUS *Lin. Steph.* Scarce. Near Edinburgh; Ber-
nitidicollis (*Meg.*) wickshire.

Not common, Tollcross 1856.

Kelvin, Arnan. 1856.

Kelvin side; Arnan 1856.

Possil; Kelvin side occasional. 1856.

Tollcross R.N. & Mc Donaldson. 1856.

New confluence of Kelvin & Clyde. 1856.

FAMILY PLATEBIDE

MELANOTUS Red. E. Rottenbucker

Hamilton 1856

New Edinburgh - Black Forest, Perthshire, Dalriada

LACIN. Lepus, L. Pallas

Hamilton 1856.

Near Paisley Mr. Young. 1856.

Possibly Paisley in decaying fir trees. 1856.

Dunoon. 1858.

Near the village of Dunblane, Perthshire

Very common in the neighbourhood of Dunblane

CARDIOPHORUS *Esch. Redten.*APLOTARSUS *Steph.*CALODERUS *Steph.*

- C. RUFIPES *Fab. Steph.* Cramond; Berwickshire, &c. Not scarce.
- ✗ C. QUERCUS *Steph.* In company with *C. rufipes*. Perhaps one of the sexes of that species.
- C. EQUISETI *Herbst, Steph.* Rare. Woods near Mortonhall.
filiformis Rossi. *Ent. Edin.*
pilosus Herbst.
- ✗ C. TESTACEUS *Fab. Steph.* Dalmeny; south side of Blackford
fugax Fab. Hill; Berwickshire, &c.

ELATER *Lin. Esch.*AMPEDUS (*Meg.*) *Dej.*

- ✗ E. LYTHROPTERUS *Germer.* Raehills, in decayed birch-trees during winter. Very rare.
sanguineus Steph. (not Lin.) *semiruber Hoff. Steph.* *Rev. W. Little.*
- ✗ E. BALTEATUS *Lin. Steph.* East Lothian, Pentlands, Renfrewshire, and Lanarkshire.
- E. USTULATUS *Payk. Steph.* Castle Campbell wood, Dollar.
Mr J. T. Syme.
- ✗ E. MARITIMUS *Curtis, Steph.* Ballachulish; water of Dryfe.
Mr Curtis. 1818 *Rev. W. Little.*

CRYPTOHYPNUS *Esch. Dej.*HYPNOIDUS *Steph.*

- ✗ C. RIPARIUS *Fab. Steph.* Very common. 1856
æneus Marsh.
littoreus Herbst.
- C. QUADRIPUSTULATUS *Fab.* Banks of Kinnel. *Rev. W. Little.*
(not Steph.)
Agricola Zetter. Steph.
quadrum Gyll.
- ✗ C. DERMESTOIDES *Herbst, Steph.* Not unfrequent under stones on the
quadripustulatus *Gyll.* var. banks of streams.
Steph.
minimus Dej.

CORYMBITES *Lat.*LUDIUS *Dej.*CTENICERUS *Steph.*

- X C. CUPREUS *Fab. Steph.* Common.
chalybeus Sow. Steph.
- X C. PECTINICORNIS *Lin. Steph.* Kinross-shire, Berwicksh., Mull, &c. ¹⁸⁵⁶
- X C. TESSELLATUS *Lin. Steph.* ¹⁸⁵⁶ Dunoon, Argyllsh.; Black Forest, in
 var. *assimilis Gyll.* Perthshire; Clova Mountains, in
 Forfarshire; Berwickshire.

DIACANTHUS *Lat.*LUDIUS *Lat. Dej.*

- D. HOLOSERICUS *Fab. (Lepi-* Occasional.
dotus) Steph.

- X D. ÆNEUS *Lin. (Selatosomus)* Local. Arthur Seat and Salisbury
Steph. Craigs; Traprain Law. Not very
 var. *a impressus Marsh.* common in other parts of the
 — *b Germanus Lin.* country.
 — *c cyaneus Marsh.*

AGRIOTES *Esch.*CATAPHAGUS *Steph.*

- X A. SEGETIS *Bierk. Gyll.* Not common. Near Edinburgh,
lineatus Lin. Steph. Dumfriesshire, &c.
striatus Fab.

- X A. OBSCURUS *Lin. Gyll. Steph.* Very common. ¹⁸⁵⁶
variabilis Payk. Fab.

- A. SPUTATOR *Lin. Gyll. Steph.* Berwickshire.

SERICOSOMUS *Serv.*SERICUS *Esch. Steph.*

- X S. BRUNNEUS *Lin. Fab. Steph.* Rare. Raehills; Black Forest, in
 Perthshire; Mull. ¹⁸⁵⁶

- S. FUGAX *Fab. Steph.* Raehills. Rev. W. Little.

DOLOPIUS *Esch. Steph.*

- X D. MARGINATUS *Lin. Steph.* Occasional.

lateralis Oliv.

dorsalis Payk.

tenellus Beck.

sticticus Panz.

suturalis Marsh.

var. *fulvus, Marsh.*

ADRASTUS *Esch. Steph.*

- X A. LIMBATUS *Fab. Steph.* Common. ¹⁸⁵⁶

Kelvin side Vc 1856. X

Lochgoilhead, Ayrshire. 1856. X

Drumburton castle. 1856. X

Near Paisley Mr. Young. 1856. X

Not uncommon. 1856. X

Bowling, Not common. 1856.

Common. 1856.

Near Milngavie; Douglas castle. 1856.

Near Hamilton & Cadzow. 1856.

Lanarkshire; Ayrshire 1856.

FAMILY CYPHONIDÆ.

ATOPA *Payk. Steph.*

×A. CERVINA *Fab. Lin. Steph.* Occasional.

ELODES *Lat.*

CYPHON *Payk. Fab. Steph.*

E. LIVIDA *Fab. Steph.* Near Edinburgh; Swinton.

tenella Oliv.

pallida Payk.

mollis Marsh.

testaceus Steph. (not Dej.)

obscurus Steph.

assimilis Steph.

×E. VARIABILIS *Thun.* Near Edinburgh; Berwickshire.

pubescens Fab. Steph.

Not scarce.

minuta Oliv.

dorsalis Marsh.

E. COARCTATA *Payk.* Near Edinburgh; Raehills; Dollar;

livida Fab.

Berwickshire, &c.

grisea Fab. Steph.

concolor Marsh.

fuscescens Lat.

variabilis var. Thun.

×E. PADI *Lin. Steph.* Dumfriesshire; Alloa; near Dunse.

coarctata var. Payk.

discolor Panz.

pusilla Dej.

var. ater Steph. ?

×E. MARGINATA *Fab. Steph.* Not common. Near Edinburgh;

var. pallida Payk. (not

Dollar, &c.

Fab.)

circumfusa Marsh.

nimbata Panz.

var. limbata Dej.

E. DEFLEXICOLLIS *Müller.* Berwickshire; on the Whitadder, be-

Pini Curtis.

low Abbey St Bathans; Girrick.

nigricans Dej.

pellucens Melsh.

×E. PALLIDA *Fab. Oliv.* Occasional in woods.

melanura Fab. Steph.

var. laeta Panz. Steph.

minuta Lin.

FAMILY TELEPHORIDÆ.

DICTYOPTERUS *Lat.*LYCUS *Fab. Lat.*

D. AURORA *Fab.* Rannoch in Perthshire. Mr Weaver.
coccinea Lin.

LAMPYRIS *Lin. Dej.*
Steph.

X L. NOCTILUCA *Lin. Fab. Steph.* In some plenty in the southern parts of Kirkcudbrightshire and Wigtonshire; abundant in the east of Berwickshire; also found in Dumfriesshire, Argyllshire, &c. 1856

PODABRUS *Fischer.*CANTHARIS *Fab. Dej.*TELEPHORUS *Oliv. Steph.*

X P. ALPINUS *Payk. Steph.* Dollar. Abundant in June. Hamilton; Penmanshiel wood. 1856

TELEPHORUS *Oliv. Steph.*CANTHARIS *Fab. Dej.*

T. FUSCUS *Lin. Steph.* Near Edinburgh. *Ent. Edin.*
anticus Märk. Dej.

X T. RUSTICUS *Fallen. Gyll. Steph.* Generally distributed.

X T. DISPAR *Fab. Steph.* Common. 1846
lividus Illig. (not Fab. Steph.)

X T. PELLUCIDUS *Fab. Gyll. Steph.* Not rare. 1856

T. CYANIPENNIS *Zieg. Dej.* Occasional. Edinburgh; Fife; Forfar; Kinross; Berwickshire, &c.
cyaneus Curt. Steph.

X T. NIGRICANS *Fab. Gyll. Steph.* Common. 1856

X T. OBSCURUS *Lin. Steph.* Near Dollar. Mr J. T. Syme.

X T. FLAVILABRIS *Gyll. Steph.* Occasional. Near Edinburgh; Dollar; Berwickshire, &c. 1846

T. PULICARIUS *Fab. Steph.* Raehills; Forfarshire.

T. LIVIDUS *Fab. Steph.* Occasional throughout Scotland.

X T. BICOLOR *Fab. Steph.* Common. 1856

T. PILOSA *Payk. Gyll. Steph.* Penmanshiel wood, in East Lothian.
rufotestaceus Letzn. Scarce. Mr James Hardie.

T. LITURATUS *Gyll. Steph.* Dalmeny; Raehills; Berwickshire.

of Dumblartonshire.

Not common

Kelvin side occasional.

RAGONYCHA *Esch.*CANTHARIS *Fab. Dej.*TELEPHORUS *Oliv. Steph.*

- R. PALUDOSA *Fallen. Gyll.* In swamps and bogs, Berwickshire.
aethiops *Curtis.* Mr Hardy.
- X R. MELANURA *Fab. Panz. Steph.* Common everywhere in autumn. 1858
- X R. TESTACEA *Lin. Gyll. Steph.* Not scarce. 1856
- X R. PALLIDA *Fab. Steph.* Common. 1856
pallipes *Fab. Illig. Steph.*
- R. ATRA *Lin. Steph.* Kingussie; Aberdeenshire.
Iridis *Marsh.* Mr J. T. Syme.

MALTHINUS *Lat. Dej. Steph.*TELEPHORUS *Oliv.*CANTHARIS *Lin. Fab.*

- X M. FLAVEOLUS *Herbst, Steph.* Dalmeny; East Lothian; Dollar;
Berwickshire, &c.
- M. BIGUTTULUS *Payk. Steph.* Generally distributed.
- X M. BIGUTTATUS *Lin. Steph.* Generally distributed. 1858.
- M. SANGUINICOLLIS *Sch. Steph.* Occasional. Near Edinburgh; Ber-
sanguinolentus *Gyll.* wickshire.
ruficollis *Lat.*
fulvicollis *Kirb. Steph.*
- M. MINIMUS *Lin. Gyll.* Berwickshire. Mr James Hardy.
marginatus *Lat. Steph.*
- M. MELANOCEPHALUS *Marsh.* Berwickshire. Mr James Hardy.
Steph.
- M. CONCOLOR *Kirb. Steph.* Dalkeith Park. A. Murray.
- M. BREVICOLLIS *Payk. Steph.* Dunglass. Berwickshire. Dum-
friesshire, &c.

FAMILY MALACHIIDÆ.

MALACHIUS *Fab.*

- M. VIRIDIS *Fab. Steph.* Ormiston. Mr Logan.
bipustulatus var. δ *Illig.*
(not *Lin. Fab.*)
- M. ÆNEUS *Fab. Steph.* Near Edinburgh. *Ent. Edin.*
- M. MARGINELLUS *Fab. Steph.* Shores of the Solway.
Sir Wm. Jardine, Bart.
- DASYTES *Fab.*
- D. ÆRATUS *Steph.* Dalkeith Park. A. Murray.

AMAURONIA *Westwood.*APLOCNEMUS *Steph.*

A. IMPRESSUS *Marsh. Steph.* Dalkeith Park. A. Murray.

PHLOIOPHILUS *Waterh.*

{ P. EDWARDSII *Waterh.* Avon, near Linlithgow. Mr Hislop.
 { P. COOPERI *Steph.* Raehills. Rev. W. Little.

FAMILY CLERIDÆ.

THANASIMUS *Lat.*

TH. FORMICARIUS *Fab. Steph.* Flisk, in Fifeshire; Perthshire;
 Forfarshire; Aberdeenshire, &c.

NECROBIA *Lat.*

X N. RUFICOLLIS *Fab. Steph.* Very rare. Near Edinburgh; Dum-
 friesshire.

N. VIOLACEA *Lat. Dej.* Not rare. On bones, &c.
angustata Falder.
quadra Marsh. Steph.

N. RUFIPES *Fab. Steph.* Berwickshire—only once found.
 Mr James Hardy.

FAMILY PTINIDÆ.

HEDOBIA *Lat.*PTINUS *Lin. Steph.*

H. IMPERIALIS *Lin. Steph.* On birch-trees near Jedburgh.
Ent. Edin.

PTINUS *Lin.*

P. SEXPUNCTATUS *Panz. Steph.* Old wood in houses, &c., in the
 Edinburgh district. *Ent. Edin.*

X P. FUR *Lin. Steph.* Not very common. Edinburgh;
Germanus Fab. Fife; Dumfries, &c.
clavipes Panz.

X P. CRENATUS *Fab. Gyll. Steph.* The commonest of the species.

P. LICHENUM *Marsh. Steph.* Raehills.

X P. HOLOLEUCUS *Fald. Steph.* Plentiful in houses in Edinburgh.

GIBBIUM *Scopoli.*

G. SCOTIAS *Fab.* Arlary in Kinross-shire, among a
 parcel of dried plants from India.
 Dr G. W. Arnott.

FAMILY INCHIIDE.

ANOBIIUM

Broomelaw & Ardrossan Dr. Colquhoun.

Glasgow 1856 Hamilton under bark

Glasgow in houses 1856.

Glasgow abundant; Ayrshire. 1856.

Glasgow in Warehouses; occasional 1856.

Seemingly not common, Normal Seng Glasgow
It may however be plentiful in some localities. 1856

Common 1856

Kelvin side 1856.
Near Kilmont. 1856.

MEZIUM *Leach.*

- × M. SULCATUM *Fab.* Edinburgh, among a consignment of decapods from Australia.
Dr Fleming.

FAMILY ANOBIIDÆ.

ANOBIUM *Fab.*

- A. PANICEUM *Fab. Steph.* Cramond. Dr Greville and Rev. W. Little.
A. RUFIPES *Fab. Steph.* Raehills. Rev. W. Little.
 elongatum Payk.
× A. STRIATUM *Illig. Steph.* Common in old houses.
 pertinax Panz. (not Lin. Steph.)
A. TESSELATUM *Fab. Gyll. Steph.* Raehills. Rev. W. Little.
× A. MOLLE *Fab. Steph.* Forfarshire; Kinross-shire; Berwickshire; near Edinburgh.
A. ABIETIS *Fab. Steph.* Near Edinburgh.
 Mr Jas. Wilson. *Ent. Edin.*
A. ERYTHROPUM *Leach, Steph.* Ravelston Wood, near Edinburgh.
 Mr Rawlins. *Steph. Illustr.*
A. CASTANEUM *Oliv. Steph.* Alder trees at west end of Duddingston Loch; in woods, Berwickshire.

CIS *Lat.*

- × C. BOLETI *Scopoli, Steph.* Under bark, and in Polyporus versicolor. Near Edinburgh; Dumfriesshire; Kinross-shire.
 variabilis Fab.
 picipes Herbst.
C. RUGULOSUS *Manner. Mellié.* Dollar. Mr J. T. Syme.
 var. *pyrocephalus Mellié. Steph.*
× C. NITIDUS *Fab. Steph.* Dumfriesshire; Dollar; near Edinburgh; Berwickshire, &c.
× C. BIDENTATUS *Oliv. Steph.* Raehills; Glasgow. 1856
 ♀ *inermis Marsh.*
C. FESTIVUS *Panz. Gyll.* In Polyporus versicolor. Berwickshire. Rare. Mr James Hardy.
 pygmæus Marsh. Steph.
PTILINUS *Geoff.*
P. COSTATUS *Gyll.* Near Edinburgh; Raehills, &c.
 flabellicornis Dej.
 pectinicornis Illig.

FAMILY LYMEXYLONIDÆ.

HYLECÆTUS *Lat. Steph.*LYMEXYLON *Fab.*H. DERMESTOIDES, *Fab. Steph.* Black Forest, Rannoch.♂ proboscideus *Fab.*

Mr R. Weaver.

FAMILY BOSTRICHIDÆ.

TOMICUS *Lat.*X T. BIDENS *Fab. Steph.*♂ bidentatus *Herbst.*♀ chalcographus *Payk.* (not
Lin.)micrographus *Marsh.*Edinburgh; Jedburgh; Dollar;
Raehills; Berwickshire; Glasgow.T. LARICIS *Fab. Steph.*

Dollar.

Mr J. T. Syme.

T. MONOGRAPHUS *Fab. Steph.*

Ormiston; East Lothian; Cramond.

FAMILY HYLESINIDÆ.

HYLESINUS *Fab.*H. CRENATUS *Fab. Duft. Steph.* Near Edinburgh; Kinross-shire;
Forfarshire.H. SCABER *Marsh. Steph.*

Raehills.

Rev. W. Little.

X H. VARIUS *Fab.*

Occasional.

Fraxini *Fab. Steph.*melanocephalus *Fab.*pubescens *Fab.*H. COADUNATUS *Marsh. Steph.*

Raehills.

Rev. W. Little.

H. SERICEUS *Marsh. Steph.*

Raehills.

Rev. W. Little.

HYLURGUS *Erich.*X H. PINIPERDA *Lin. Steph.*

Not rare in fir woods. 1856

testaceus *Fab.*HYLASTES *Erich.*HYLURGUS *Lat. Dej. Steph.*X H. ATER *Payk. Steph.*

Common in fir woods. 1856

chloropus *Duft.*Boleti *Marsh.*niger *Marsh.*

H. ... Under bark of decaying fir, Berwickshire; Glasgow.
H. ... Crummond; Hawthornden; Berwickshire.
H. ... Allan.
H. ... Raebilly.
H. ... Near Edinburgh; Leith; Warriston; Berwickshire, &c.

Paisley, 1856.

RHYNGOLUS

H. ... Raebilly.
H. ... Hamilton, N. H. 1856.

Not uncommon Near Hamilton &c. 1856.

Mrs. J. P. ...

Renfrewshire, 1856.

Mull 2 specimens. Mr. McL took 3 1856.
on a plane tree

Granaries Pott dundas 9th 1856

Mills near Monckton Mr. Duncan 1856

Aran Mr. J. P. Mr. Morland, 1856

- X H. ANGUSTATUS *Herbst. Steph.* Under bark of decaying firs, Berwickshire; Glasgow.
- H. OBSCURUS *Marsh. Steph.* Cramond; Hawthornden; Berwickshire.
- H. RUFESCENS *Steph.* Alloa. Mr J. T. Syme.
- H. RUFUS *Marsh. Steph.* Raehills. Rev. W. Little.
- X H. RHODODACTYLUS *Marsh. Steph.* Near Edinburgh; Linlithgow; Kinross-shire; Berwickshire, &c.

FAMILY CURCULIONIDÆ.

RHYNCOLUS *Creutz. Germ.*

- R. CYLINDRIROSTRIS *Oliv.* Raehills. Rev. W. Little.
lignarius Marsh. Steph.
- R *ata* *Rannoch R. N. 1856.*
 MESITES *Schön.*

COSSONUS *Dej. Steph.*

- † X M. TARDII *Vigors.* Kilmun. Mr J. M'Call.

SITOPHILUS *Schön.*

RHYNCHOPHORUS *Herbst.*

CALANDRA *Clair. Steph.*

- X S. GRANARIUS *Lin. Steph.* Near Edinburgh; Leith; Dollar, &c.
Segetis Lin.
frumentaria Steph.
- X S. ORYZÆ *Lin.* Edinburgh. A single specimen, (introduced.)
frugilegus De Geer. A. Murray.
granarius Stroem.

NANOPHYES *Schön.*

SPHERULA *Meg. Steph.*

NANODES *Schön.*

- † X N. LYTHRI *Fab. Steph.* Argyllshire. Rev. Geo. Little.
Salicariæ Oliv.
pygmæus Herbst. Steph.
fasciatus Villers.
leucozonius Lin.
transversus Oliv.

MECINUS *Germ. Schön.*
Steph.

- X M. PYRASTER *Herbst.* Near Edinburgh ; Dumfriesshire ;
semicylindricus *Gyll. Steph.* Berwickshire ; Dollar, &c.
♂ Cerasi *Payk.*

GYMNÆTRON *Schön. Steph.*

MIARUS *Sch. Steph.*

RHINUSA *Kirby, Steph.*

- G. PASCUORUM *Gyll.* One specimen taken near Swinton,
nanus *Dej.* Berwickshire. Mr James Hardy.
- G. LINARLÆ *Panz.* Dalmeny Park. Dr. Greville.
teter *Panz. (not Fab.)*
- G. VILLOSULUS *Schön.* Near Girrick. Mr Hislop.
dorsalis *Oliv.*
- G. BECCABUNGÆ *Gyll. var. d. e.* On Veronica anagallis, near Stichell
Steph. (not Lin.) and Swinton ; Dalmeny Park.
nigrum *Walton.* Mr James Hardy. Mr R. N. Greville.
- X G. LABIALIS *Herbst.* Near Stirling ; Swinton and Scaith-
tricolor *Gyll. Marsh. Steph.* muir ; Glasgow ; Kinross-shire.

CIONUS *Clair. Steph.*

CLEOPUS (*Meg.*) *Steph.*

- C. SCROPHULARIÆ *Lin. Steph.* On Scrophularia nodosa, and allied
Blattariæ *Voet.* species of plants. Generally dis-
Verbasci *Voet.* tributed.
- C. VERBASI *Fab. Steph.* Dollar. Mr J. T. Syme.
Scrophulariæ var. ♂ *Lat.*
tuberculosis *Scop.*
- C. BLATTARIÆ *Fab. Steph.* On plants of the same families as the
bipustulatus *Marsh.* preceding species. Not common.
Edinburgh ; Dumfriesshire ; Ber-
wickshire.

OROBITIS *Germ. Steph.*

- X O. CYANEUS *Lin. Steph.* Near Edinburgh ; Stirlingshire ; East
globosus *Lin.* Lothian ; Berwickshire.
giganteus *Meg.*
hypoleucus *Quensel.*
croceus *Fab.*

New Monkton Mr. Duncan 1856.

Ammonites

Handwritten notes, possibly "Berwickshire; East Lothian, etc."

BRIDONCHUS Gidon. Steph.

CAMPYLIDYCHUS Mey. Dg.

B. C. C. Inspector. Herbet.

Hasthills, Dumfriesshire.

var. ovata Osh.

See W. L. L.

var. Marsh. Steph.

var. rufus Beck.

B. C. C. G. A. C. L. A. Y. Morak. Steph. Hasthills.

See W. L. L.

B. C. C. G. A. C. L. A. Y. Pub. Steph. Berwickshire; Dumfriesshire.

XII. G. A. C. L. A. Y. Pub. Steph.

Hasthills; Cockburnspath, Berwickshire; Brig of Turk, Perthshire; Glasgow, etc.

var. rufus var. Loh.

var. rufus Pub.

var. rufus Herbet.

var. rufus Gidon.

1856

At Paisley 1856.

B. C. C. G. A. C. L. A. Y. Pub. Steph.

var. rufus Steph.

var. rufus Herbet.

B. C. C. G. A. C. L. A. Y. Pub. Steph.

Generally distributed.

var. rufus Steph.

CEYTONIDYCHUS Schimper

var. rufus Steph.

Y. C. C. G. A. C. L. A. Y. Pub. Steph. Near Edinburgh; Dollar; Berwickshire 1856

var. rufus Herbet. (not Pub.)

C. C. C. G. A. C. L. A. Y. Pub.

Near Edinburgh; Kirkpatrick Juxta.

XIII. C. C. C. G. A. C. L. A. Y. Pub. Steph. Occasional 1856

Near Stirling 1856.

Common 1856

C. C. C. G. A. C. L. A. Y. Pub. Steph.

Hasthills; Falkenberg district, etc.

MIMINUS *Don. Steph.*

Renfrewshire. 1856.

GYMNETRON *Steph. Steph.*

Mirror *Steph. Steph.*
Rhinosa *Xyby. Steph.*

- G. PARACHORUM *Gyll.* One leaf on the ...
- G. LINARIE *Pauc.* Dalmaty ...
- G. VILLOSELUS *Schreb.* Near Girick.
- G. BURGUNDICUS *Cha. var. n. n.* On Veronica ... and Salvia; Dalmaty ...

X G. ... Near Spring; ...

CRUSTUM *Cha. Steph.*

Chloris *(Step.) Steph.*

- C. BERGHEIMII *Lin. Steph.* On Scrophularia ... and allied species of plants. Generally distributed.
- C. ... Dalmaty ...
- C. ... On plants of the same ... of the preceding species. Not common. Edinburgh; Dumfriesshire; Perthshire.

OROSITIS *G. X. Steph.*

- X O. CYANEA *Lin. Steph.* Near ...
- globois *Lin. Steph.* Leith.
- giganteus *Steph.*
- hypoleuca *Cha. Steph.*
- viridis *Pauc.*

POOPHAGUS Schön.

CEUTORHYNCHUS Dej.

NEDYUS Steph.

X P. SISYMBRII Fab. Steph.

Near Edinburgh ; Dumfriesshire ;
Berwickshire ; East Lothian, &c.

RHINONCHUS Schön. Steph.

CAMPYLIRHYNCHUS Meg. Dej.

R. INCONSPICUUS Herbst.

Raehills, Dumfriesshire.

suturalis Oliv.

Rev. W. Little.

crassus Marsh. Steph.

accipitrinus Reich.

R. CANALICULATUS Marsh. Steph. Raehills.

Rev. W. Little.

R. 4-TUBERCULATUS Fab. Steph. Berwickshire ; Dumfriesshire.

X R. CASTOR Fab. Steph.

Raehills ; Cockburnlaw, Berwick-
shire ; Brig of Turk, Perthshire ;
Glasgow, &c.

Pericarpus var. Lin.

scabratus Fab.

fructiculosus Herbst.

seniculus Graven.

4-cornis Gyll. Dej. Steph.

var. flavipes Steven.

leucostigma Marsh. Steph.

rufipes Steph.

interstitialis Reic. Steph.

1856

R. PERICARPIUS Fab. Steph.

Generally distributed.

Spartii Kirby, Steph.

CEUTORHYNCHUS Schüppel.

NEDYUS Steph.

X C. ASSIMILIS Payk. Gyll. Steph.

obstrictus Marsh. Steph.

Alauda Herbst. (not Fab.)

Near Edinburgh ; Dollar ; Berwick-
shire. 1856

C. DEPRESSICOLLIS Gyll.

Near Edinburgh ; Kirkpatrick Juxta,
&c.

X C. ERYSIMI Fab. Panz. Steph.

chloropterus Kirby, Steph.

Occasional. 1856

X C. CONTRACTUS Marsh. Steph.

minutus Sturm.

Common. 1856.

C. COCHLEARÆ Gyll. Steph.

Raehills ; Edinburgh district, &c.

- C. TERMINATUS *Herbst.* One specimen taken on sea-coast
hæmorrhoidalis Panz. Dej. near Cockburnspath. Mr J. Hardy.
Steph.
Sii Chev.
rufitarsis Kirby.
- C. FLORALIS *Payk. Gyll. Steph.* Occasional near Edinburgh. Kin-
Typhæ Herbst. ross-shire.
sulculus Kirby.
monostigma Mar. Steph.
- C. PYRRHORHYNCHUS *Marsh.* Raehills. Rev. W. Little.
Steph.
erythrorhynchus Schön.
phæorhynchus Marsh. Steph.
var. ruficus Marsh. Steph.
- C. CONSTRICTUS *Marsh. Steph.* Near Edinburgh; Cramond, &c.
- X C. ERICÆ *Gyll. Steph.* Moffat Hills; Berwickshire, &c.
rufirostris Dej. 1856.
- C. ECHII *Fab. Panz. Steph.* Near Edinburgh—south-east side of
 Arthur Seat.
- C. VIDUATUS *Gyll.* Dollar; Dalmeny; Kirkpatrick
 Juxta.
- C. LITURA *Fab. Gyll.* Occasional. Edinburgh; Kinross-
cruciger var. Herbst. shire; Berwickshire.
ovalis Marsh. Steph.
- C. RUGULOSUS *Herbst.* (not Raehills; Milnegraden.
Steph.)
Quercicola var. b. Payk.
melanostigma Marsh. Steph.
cinereus Marsh. Steph.
scutellatus Steph.
- C. QUADRIDENS *Panz.* Near Edinburgh; Dalmeny; Ber-
Borraginis Gyll. Steph. wickshire.
Quercicola Marsh. Steph.
 (not *Fab.*)
pallididactylus Marsh. Steph.
- C. MARGINATUS *Payk. Gyll. Steph.* Raehills. Rev. W. Little.
- X C. POLLINARIUS *Schh. Steph.* Very common. 1856
dentatus Marsh.
glaucinus Dej.
caliginosus Steph.
- C. SULCICOLLIS *Gyll. Steph.* Common.
Alauda Fab.
affinis Panz. Steph. Schh.

- C. crinitissima* Mill. Dalmont.
Rev. W. Little and Mr. R. N. Gordon.
- C. trichocarpa* Poir. Steph. Fenslands; Arthur Seat; Craiglockhart; Berwickshire; Dumfriesshire, &c.
var. spinget Hervey.
- C. STABLES* Steph.
Trichocarpa Desf. Desf.
- A. antheracea* Steph. Redlin. Dr. Griffith and Rev. W. Little.
Robert's Cornus.
- A. Prinosus* Marsh. Steph. Redlin. Ravelston.
ochinatus Moq. Dr. Griffith. Rev. W. Little.
nocerosus Cyr.
- CELLODES scutellari*
CADOPHYLLOIDES Steph.
- C. QUINQUE* Poir. Steph. Near Edinburgh; Dollar; Berwickshire; Dumfriesshire, &c.
callens Marsh. X
melanorhynchus Marsh.
- C. ANTHUS* Marsh. Steph. Near Edinburgh. Occasional. Pennanshield wood.
Cypripedium Desf.
roseo-velute Spreng. Steph.
- C. ROBERTSONII* Poir. Steph. Near Edinburgh; woods about Roslin; Raskilly; Berwickshire.
Quercus var. *l.* Poir.
inclanophyllus Marsh. Steph.
- C. GIBBULA* Poir. Steph. Ravelston, near Edinburgh; Milne-graden, &c.
cardifolia Moq.
fuliginosus Marsh. Steph.
subserotina Desf.
rubescens Steph.
- C. BUNIA* var. *herbet.* Steph. Ground and Raskilly. Rev. W. Little.
cinerea Moq.
trichocarpa W. Steud.
lychnidifolia Desf.
var. cuneata Moq.
- XC. MEXICA* Poir. Steph. Very common.
erigone Moq. *Mr. J. Gordon*
viduum Poir. X
albopunctatus Desf.
lignocostatus L.
tripunctatus Fourn.
l. macranthus Scopul.
var. gibbipennis Guss.
Erigeron Marsh. Steph.

- C. IMMENSATUS* Herbst. One specimen taken by me near
hammelfeldensis Pons. Dej. near Gochternspatz. Alsace.
Steph.
Ed. Char.
callosus Kirby.
 - C. ALBIVENTRIS* Fabr. Gyll. Steph. Occasional near Edinburgh. Kin-
robin Herbst. ross-shire.
schabus Kirby.
monodigma Mur. Steph.
 - C. EVERHOUSYNECHUS* Marsh. Scotland. Ed. W. 1844.
Steph.
cyathochynchus Schön.
phaeochynchus Marsh. Steph.
var. *refertus* Marsh. Steph.
 - C. COXINECTUS* Marsh. Steph. Near Edinburgh - Grimsay, &
Ed. W. 1844.
 - C. EMERSONI* Gyll. Steph. Mull; 1844; Berwickshire, &
retrostris Dej. 1854.
 - C. FORTI* Fab. Pass. Steph. Near Edinburgh - east coast side
Arthur Seat.
 - C. FRIOLATUS* Gyll. Dollar; Dalmeury; Kirkpatrick
Juxta.
 - C. LUTEUS* Fabr. Gyll. Occasional; Edinburgh; Kinross-
shigeri var. Herbst. shire.
ovalis Marsh. Steph.
 - C. RUCIOSUS* Herbst. (not Scotland).
Steph.).
quecticola var. b. Pagn.
melancristina Marsh. Steph.
chircus Marsh. Steph.
scutellatus Steph.
 - C. QUADRANGUS* Pass. Near Edinburgh; Dalmeury; Ber-
horuginis Gyll. Steph. wickshire.
quersata Marsh. Steph.
(not Fab.)
paillidivertina Marsh. Steph.
- Near Glasgow &c. 1856. Rev. W. 1856
- C. ALBIVENTRIS* Steph. Very common. 1856
 - C. ALBIVENTRIS* Marsh.
 - C. ALBIVENTRIS* Dej.
 - C. ALBIVENTRIS* Steph.
 - C. SULCICOLLIS* Gyll. Steph. Common.
 - C. SULCICOLLIS* Fab.
 - C. SULCICOLLIS* Pons. Steph. Schön.

- C. CYANIPENNIS *Illig.* Dalmeny.
Rev. W. Little and Mr R. N. Greville.
- C. TROGLODYTES *Fab. Steph.* Pentlands; Arthur Seat; Craiglockhart; Berwickshire; Dumfriesshire, &c.
var. spiniger *Herbst.*
- ACALLES *Schön. Steph.*
TYLODES *Guer. Dej.*
- A. ABSTERSUS *Schh.* Roslin. Dr Greville and Rev. W. Little.
Roboris Curtis.
- A. PTINOIDES *Marsh. Steph.* Roslin. Ravelston.
echinatus Meg. Dr Greville. Rev. W. Little.
nocturnus Chev.
- CELIODES *Schönherr.*
CEUTORHYNCHUS *Steph.*
- C. QUERCUS *Fab. Steph.* Near Edinburgh; Dollar; Berwickshire; Dumfriesshire, &c.
pallens Marsh.
melanorhynchus Marsh.
Steph.
- C. RUBER *Marsh. Steph.* Near Edinburgh. Occasional. Penmanshiel wood.
Quercus Olivier.
rufirostris Spence, Steph.
- C. RUBICUNDUS *Payk. Steph.* Near Edinburgh; woods about Roslin; Raehills; Berwickshire.
Quercus var. b. Payk.
melanocephalus Marsh.
Steph.
- C. GUTTULA *Fab. Steph.* Ravelston, near Edinburgh; Milnegraden, &c.
carduelis Meg.
fuliginosus Marsh. Steph.
subcostatus Dej.
ruficornis Steph.
- C. SUBRUFUS *Herbst. Steph.* Cramond and Raehills. Rev. W. Little.
cinctus Rossi.
tricinctus Walken.
erythroleucus Lin.
var. subrufus *Gyll.*
- *C. DIDYMUS *Fab. Steph.* Very common.
urticarius Clair.
viduus Panz.
albopunctatus Lin.
bipunctatus Lin.
tripunctatus Fourc.
♂ *oleraceus Scopoli.*
var. gibbipennis *Germ.*
Urticæ Marsh. Steph.

- C. GERANII *Payk. Steph.* Ravelston, near Edinburgh; Arthur
affinis Payk. Seat; Dollar; East Lothian; Ber-
 wickshire, &c.

CRYPTORHYNCHUS *Illiger.*

- C. LAPATHI *Lin. Steph.* Coates, near Edinburgh.
albicaudis De Geer. Sir P. Walker. *Ent. Edin.*
carbonarius Scopoli.
trimaculatus Væl.

BARIDIUS *Schön.*

BARIS *Germ. Lat. Steph.*

- X B. T-ALBUM *Lin.* Halleaths Loch, on rushes.
 Sir Wm. Jardine, Bart.
Atriplicis Oliv. Lat. Steph. Dunse; bogs in Berwickshire, &c.
pillistriatus Steph. Mr Hardy.
funeris Herbst.
nigrinus Herbst.
hypoleucus Marsh.
porolosus Lin.

BAGOUS *Germ. Steph.*

- B. LUTULENTUS *Gyll. Steph.* Near Edinburgh. *Rev. W. Little.*
tibialis Steph.
binotatus Steph.

STYPHLUS *Schön.*

ORTHOÆTES *Müller, Steph.*

- S. SETIGER *Beck, Schön. Steph.* Roxburghshire; near Corstorphine
setosus Dej. hill.

ORCHESTES *Illig.*

- X O. QUERCUS *Lin. Steph.* Woods near Edinburgh; Berwick-
Viminalis Fab. shire, &c.
setosus Müll.
Alni Herbst.
var. depressus Steph.

- O. SCUTELLARIS *Fab. Steph.* Raehills. *Rev. W. Little.*
rufus Schr. Marsh.
Viminalis Besser. (not Fab.)
Alni, var. c, Payk.
stellaris, var. β, Gyll.
flavus Sturm.
testaceus Müller.

9. N. L. ... Dalmacy Park ...
Linnæus Herb. Sept.
Linnæus Herb. Sept.
Linnæus Herb. Sept.

10. Linnæus Herb. Sept. Near Edinburgh; Raebills.
Linnæus Herb. Sept. (not Herb.)
Linnæus Herb. Sept. (not Herb.)

XO. Linnæus Lin. Common. 1849

Linnæus Herb. Sept.
Linnæus Herb. Sept.
Linnæus Herb. Sept.

Mugdock leastle near Milngavie R.B.
Not common, 1856.

Linnæus Lin.
Linnæus Lin.

X. Linnæus Lin. ...
Linnæus Lin. ...
Linnæus Lin. ...
Linnæus Lin. ...

Linnæus Lin.

T. Linnæus Lin. Near Edinburgh; Raebills.
Linnæus Lin. Occasional.
Linnæus Lin. ...
Linnæus Lin. ...

Helvin. 1856.

X. Linnæus Lin. ...
Linnæus Lin. ...
Linnæus Lin. ...
Linnæus Lin. ...

C. ... near Edinburgh; Arthur
Seat; ... East Lothian; ...
... 22.

CRYPTORHYNCHUS Mill.

C. ...
albicauda De Geer.
caerulescens Steph.
truncatulus Voss.

RABIDIUS Scop.

Rabidius Germ. Lat. Steph.

X R. ...
... ..
... ..
... ..
... ..
... ..

Monkton (Mr. Duncan 1886.)

H. ... Near Edinburgh. (No. 9. 1886.)

STYPHIDIA Scop.

Styphidia Miller, Steph.

S. ... near Cattertholm

Near Milngavie, Paisley Plentiful on Birch. 185

X *... ..*
... ..
... ..
... ..

Near Paisley Moss on Birch

... ..
... ..
... ..
... ..

- O. MELANOCEPHALUS *Oliv.* Dalmeny Park. Mr R. N. Greville.
ferrugineus Marsh. Steph.
nigricollis Marsh. Steph.
atricapillus Marsh. Steph.
- O. ILICIS *Fab. Steph.* Near Edinburgh; Raehills.
Segetis De Geer (not Herbst.)
pilosus Fab. Steph. (not Lat.)
- XO. FAGI *Lin.* Common. 1856
Fragariæ Fab. Lat.
Calcar Oliv. Lat. Steph.
subater Müller.
rhododactylus Marsh.
rhodopus Marsh. Steph.
- O. SIGNIFER *Creutz.* Raehills. Rev. W. Little.
Avellanæ Don. Steph.
Salicis Lat.
hortorum Lat.
- XO. RUSCI *Herbst.* On sallows and oaks, Penmanshiel
bifasciatus Gyll. Steph. wood; Berwickshire; Dumfries-
Salicis Schrank. shire.
decoratus Steph.
affinis Steph.

TACHYERGES *Schön.*

- T. SALICIS *Lin. Steph.* Near Edinburgh. Berwickshire.
hortorum Oliv. Occasional.
scapularis Beck.
Capreæ Lat.
- X T. STIGMA *Germ. Steph.* Near Edinburgh; Berwickshire, on
Iota Gyll. hazel; Glasgow. 1856
confondatus Schön.
alboscintellatus Dej.
rufitarsis Steph.
aterrimus Sturm.

ANOPLUS *Schüpp.*

- X A. PLANTARIS *Noezeit, Steph.* Raehills, Dollar; Berwickshire;
Roboris Suffrian. Glasgow. 1856
brevis Marsh.
nitidulus Steph.
atratus Steph.
Armeniacæ Fab.

LITODACTYLUS *Redten.*PHYTOBIUS *Schön.*PACHYRHINUS *Steph.*

- L. LEUCOGASTER *Marsh. Steph.* Duddingston Loch. Pond near
Myriophylli *Gyll.* Swinton.
- L. QUADRITUBERCULATUS *Fab.* Raehills. Rev. W. Little.
4-cornis *Payk.*
Ribis *Stroem.*
4-dentatus *Steph.*
- L. CANALICULATUS *Kirby, Sch.* Dumfriesshire. Rev. W. Little.

MICCOTROGUS *Schön.*TYCHIUS *Steph.*

- M. PICIROSTRIS *Fab.* Dalmeny Park. Mr R. N. Greville.
cinerascens *Gyll. Steph.*
fuscirostris *Payk.*

AMALUS *Schön.*

- A. SCORTILLUM *Herbst. Steph.* Near Edinburgh; Craiglockhart;
hæmorrhous *Herbst.* Mortonhall; Dumfriesshire.
Agricola *Payk.*
rubicundus *Panz.*

BALANINUS *Germ.*

- B. NUCUM *Lin. Steph.* Dalmeny Woods. Mr R. N. Greville.
gulosus *Germ. (not Lat.)*
- B. BRASSICÆ *Fab.* Dalmeny; Dollar; Berwickshire.
Salicivorus *Gyll. Steph.*
macropus *Oliv.*
arcuatus *Marsh.*
cinerascens *Lin.*
scutellaris *Steph.*
var. intermedius ♂ *Steph.*

ANTHONOMUS *Germ.*

- A. ULMI *De Geer, Steph.* Raehills. Dalmeny.
pedicularius *Lin. Steph.* Rev. W. Little. Mr R. N. Greville.
avarus *Lat.*
clavatus *Dej.*
Bavarus *Schrank.*
fasciatus *Steph.*
Pomonæ *Germ. (not Lin.)*
Druparum, var. *Steph. (not Lin.)*

LEUCODIUM

Phytolacca

Phytolacca

L. ...

L. ...

MICOCYTHUS

Typhus

M. ...

AMALUS

A. ...

BALANINUS

B. ...

B. ...

...

...

...

Not uncommon 1856.

ANTHODIUM

A. ...

Poplars betwixt Botanic Gardens & Partick; near Mayhill; under bark in winter 1856.

A. INCURVUS *Panz.* (not *Steph.*) Occasional. Near Edinburgh; Rae-Pomorum, var. *b* *Gyll. Steph.* hills, &c.
 avarus *Dej.* (not *Lat.*)
 var. humeralis *Panz.*
 var. Cratægi *Chevrol.*

A. PUBESCENS *Payk.*

Dalmeny.

Mr R. N. Greville.

X A. RUBI *Herbst. Steph.*
 clavatus *Marsh. Steph.*
 obscurus *Steph.*
 ater *Marsh. Steph.*
 melanopterus *Marsh.*
 perforatus *Herbst.*
 brunnipennis, var. *Curtis.*

Near Edinburgh; Stirlingshire; Kinross-shire; Dumfriesshire; Berwickshire, &c.

? 1856

ELLESCUS *Meg. Dej.*

X E. BIPUNCTATUS *Lin. Steph.*
 unipunctatus *Oliv.*

On sallows in autumn. Torwood, near Stirling; Raehills; Penmanshiel; Jardine Hall, &c.

1856

HYDRONOMUS *Schön.*

X H. ALISMATIS *Marsh. Steph.*
 productus *Illig. Dej.*

On *Alisma plantago* in Botanic Garden, Edinburgh; Duddingston; Swinton; Glasgow.

1856

GRYPIDIUS *Schön.*

X G. EUISETI *Fab. Steph.*
 nigro-gibbosus *De Geer.*
 gibbosus *Lat.*

Occasional. 1856

ERIRHINUS *Schön.*

NOTARIS *Germ. Steph.*

E. BIMACULATUS *Fab. Steph.*

Near Dumfries.

X E. ACRIDULUS *Lin. Steph.*
 punctum *Fab.*
 rigidus *Marsh.*

Occasional.

E. ÆTHIOPS *Fab.*
 holomelanus *Herbst.*

Near Smailholm Tower. Mr R. Hislop.

DORYTOMUS *Germ.*

X D. VORAX *Fab. Gyll. Steph.*
 ventralis *Dej. Steph.*
 cursor *Payk.*
 longimanus *Forst.*
 longipes *Laich.*

On Lombardy poplars, near Edinburgh; Craigielands, Glasgow; Berwickshire, &c.

1856

- D. COSTIROSTRIS Schön. Dumfriesshire; near Edinburgh.
Tremulæ Dej. Steph. (not
Payk. Gyll.)
bituberculatus Zetter. Schön.
- D. AFFINIS Payk. Steph. Dumfriesshire. Rev. W. Little.
- ✗ D. TREMULÆ Payk. Gyll. Schön. Near Edinburgh; Girpel Linn,
(not Steph.) Dumfriesshire.
fumosus Rossi.
vecors ♂ Schön. Steph.
maculatus Marsh.
- D. SALICINUS Gyll. Schön. On willows, in Dumfriesshire.
Rev. W. Little.
- D. MAJALIS Payk. Gyll. Schön. Dumfriesshire. Rev. W. Little.
(not Steph.)
- ✗ D. PECTORALIS Panz. Steph. Berwickshire. Dunoon. 1856.
fructum Manner. Mr Hardy. Mr R. Hislop.
rubellus Marsh.
var. melanophthalmus Payk.
Steph.
- D. AGNATHUS Dahl. Schön. Dumfriesshire. Rev. W. Little.
majalis Steph.
- D. TORTRIX Lin. Gyll. Steph. Lombardy poplars, Caroline Park,
Schön. near Edinburgh; Dunse.
arcuatus Steph.
- MAGDALINUS Germ.
TAMNOPHILUS Schön.
RHINODES Schön. Dej.
MAGDALIS Steph.
- ✗ M. PHLEGMATICUS Herbst. First discovered at Dalmeny, by
Rev. W. Little.
since taken in Kinross-shire, by
Mr George A. Coventry.
- ✗ M. CARBONARIUS Fab. Steph. Black Forest, Rannoch, in Perth-
shire. Raebills.
Dr Nelson. Rev. W. Little.
- ✗ M. STYGIUS Gyll. Dollar. Mr J. T. Syme.
aterrimus Germ. Steph. (not
Herbst.)
Cerasi Oliv.
asphaltinus Steph.
atramentarius Marsh. Steph.

On Willows under bark in winter 1856. x

Ayrshire. 1856. Mr. Duncan. x

Paisley Moss Mr. Young 1856. x

Paisley Moss Mr. Young. 1856. x

Gadyow Park R. H. 1856. x

D. *CHALCIBERIS* Schk. Dumfriesshire, near Dalrymple
Fennel Dr. Steph. (1851)
Book (5th)
Mithrasconius Zetter, Schk.

D. *ARVENSIS* Peck, Steph. Dumfriesshire, near Dalrymple

XII. *THEMIS* Peck, Steph. Schk. Dumfriesshire, near Dalrymple
Lambert, Peck, Steph. Schk.

New Glasgow, Paisley, Inverary, & rare, etc.

D. *MAGALIS* Peck, Gyl. Schk. Dumfriesshire
(1851 Steph.)

XIII. *PROTONOTUS* Peck, Steph. Dumfriesshire
fruticum Marsh.
rubellus Marsh.
vel melanophthalmus Peck, Steph.

D. *ALVENSIS* Peck, Schk. Dumfriesshire
magalis Steph.

D. *FOURNAI* Lx. Gyl. Steph. Lombardy poplars, Charles Park
near Edinburgh, Danks
arvensis Steph.

MAGDALINUS Germ.

TACHYOMPHALUS Schk.

RHINONES Schk. Deg.

MAGDALIS Steph.

XIV. *HELEMATIGUS* Herbst. Paisley, near Mr. Peck's
taken in Kinross, etc.
Mr. George A. ...

XV. *CARBOVARIS* Schk. Steph. Black Hawk, Dumfriesshire
taken in Kinross, etc.
Mr. George A. ...

XVI. *STYCI* Gyll. Danks
atertonus Germ. Steph. (1851)
Cortis Gyll.

Arran. 1856.

asphalticus Steph.
atramentarius Marsh. Steph.

- M. PRUNI *Lin. (Rhinodes Dej.)*
Steph. Dalmeny Park. Mr R. N. Greville.
 erythrocerus *Herbst.*
 incognitus *Herbst.*
 ruficornis *Lin. Schön.*
 caliginosus *Steph.*

PISSODES *Germ.*

- X P. PINI *Lin. Steph. (not Panz.)* In fir woods near Edinburgh; Fife-
 shire; Perthsh.; Forfarsh.; Kin-
 ross-sh.; Moraysh.; Aberdeensh.;
 &c.
- P. NOTATUS *Fab.* Two specimens taken in Scotland by
Pini Oliv. Dr Leach.
 castaneus *De Geer.*
 Palmes *Herbst.*
 brunneus *Panz.*
- P. FABRICII *Leach.* Banks of the North Esk, near Mon-
 trose. Rev. G. Little.

OTIORHYNCHUS *Germ.*

- O. TENEBRICOSUS *Herbst. Steph.* Not common; but occasionally taken
 morio *Payk. ♀* near Edinburgh; Dollar; East Lo-
 clavipes *Oliv. Lat.* thian; Dumfriesshire.
 niger *Marsh. ♂*
 ater *Gyll. ♂ (not Herbst.*
 nor *Steph.)*
 scrobiculatus *Schön. ♂*
 var. maritimus *Donovan.*
- X O. EBENINUS *Schön.* A few specimens taken in the west
 of Scotland. 1856 Mr R. N. Greville.
- X O. ATROAPTERUS *De Geer, Gyll.* Not rare on sandy coasts. Near
Steph. Edinburgh; Ayrshire; East Lo- 1856
 rotundatus *Lin.* thian; Berwickshire, &c.
 ater *Steph.: illust.*
 niger *Steph.: man. (not*
Fab.)
- X O. MONTICOLA *Dej. Schön.* Mountainous parts of Scotland.
 lævigatus *Gyll. Steph.* Sutherland, Ross-shire, Forfarshire,
 arcticus *Fab.* Kinross-shire, East Lothian, Ber-
 wickshire, &c.

- X O. PICIPES *Fab. Gyll. Schön.* Common everywhere. 1856.
 asper Marsh.
 singularis Steph. Schrank.
 squamiger Marsh. Steph.
 septentrionis Steph. man.
 (not *Herbst.*)
 granulatus Herbst.
 dentatus Heer, Schön.
 notatus Bon. Steph.
 vastator Marsh.
 Marquardtii Schön.
 Chevolati Schön. var. minor.
- X O. SULCATUS *Fab. Steph.* Near Edinburgh, Dollar, &c.
 griseo-punctatus De Geer.
 strictus Lin.
- X O. RUGIFRONS *Gyll. Steph.* Generally distributed.
 Dillwynii Kirby, Steph.
 var. scaber Steph.
- O. OVATUS *Lin. Steph.* Generally distributed.
 Rosae De Geer.
 rufipes Scop.
 Scopolii Lin.
 vorticosus Schön.
 pabulinus Germ. Steph.
- O. SCABROSUS *Marsh. Steph.* Dollar; Berwickshire; East Lo-
 crispatus Dej. thian, &c.
- X O. LIGNEUS *Oliv. Schön.* Near Edinburgh; Little Ross. 1856
 scabridus Kirby, Schön. Steph.
- X O. MAURUS *Gyll. Steph.* Summit of Hartfell; Halleath woods;
 Bructeri Illig. Dunoon; Catlaw in Forfarshire.
 demotus Schön.
 Wiesurii Parreyss.
 Silesiacus Besser.
- OMIAS *Schön.*
- OTIORHYNCHUS *Germ.*
 Steph.
- BRACHYSOMUS *Steph.*
- O. BOHEMANNII *Schön.* Aytoun, Berwickshire. Mr Hardy.
- X O. HIRSUTULUS *Fab. Steph.* Scarce. Musselburgh; Dollar; Fife;
 scabriculus Herbst. Berwickshire.
 Scaber Müller.

Occasional

Downy Woodpecker
Turdus Jack
Luscinia Schenck

Dalmney Park; Gerrick; Coon-
shill; Preston.

TRACHYPHLEGEN

Downy Woodpecker
(not loc.)

Rare. Berwickshire. Dumfriesshire.
No. 1157. No. 1158.

Shores of Kirth of Clyde, occasional. 1856.

"Isle of Arran" Stephen's Manual.
Near Douglas Castle Mr. Kollaston. 1856.

Common on the nettle and umbelli-
ferous plants in June. 1856.

Common

Dunoon Glen. 1856.

Common, and generally abundant

Common

Inveray. 1856.

Abundant in nettle, &c. 1856.

Paisley. 1886.

Ch trees. 1886.

Frequent on hedge banks. 1886.

- XO. BRUNNIPES *Oliv.* Occasional.
piceus Germ. Steph.
gracilis Beck.
Araneiformis Schrank.
- O. SULCIFRONS *Schön.* Dalmeny Park; Girrick; Penman-
shiel; Preston.
- TRACHYPHLEUS *Germ.*
- T. SCABRICULUS *Payk. Gyll.* Rare. Berwickshire; Dumfriesshire.
(not *Lin.*) Mr Hardy. Rev. W. Little.
confinis Steph.
bifoveolatus Beck.
Viverra Herbst.
- T. SCABER *Lin.* Blackford hill, near Edinburgh;
tesselatus Marsh. Steph. Dollar; sea-coast of Berwickshire,
echinatus Dej. near Cockburnspath.
- PHYLLOBIUS *Schön.*
- PH. CALCARATUS *Fab.* Generally distributed.
Pyri Illig. Dej. Steph.
cæsius Marsh. Kirby, Steph.
- XPH. ALNETI *Fab. Steph.* Common on the nettle and umbelli-
Pyri Gyll. Schön. ferous plants in June. 1856.
Cnides Marsh. Kirby.
- XPH. ARGENTATUS *Lin. Steph.* Common.
sericeus Pilare.
- PH. MACULICORNIS *Germ. Steph.* Occasional.
- XPH. OBLONGUS *Lin (Nemoicus,)* Common in woods, though some-
Steph. what local.
floricola Herbst.
Pruni Scopola.
Querneus Fourc.
fuscus Larch.
var. rufescens Marsh.
- XPH. VESPERTINUS *Fab.* Common, and generally distributed.
Mali Fab. 1856
fulvipes Fab.
amaurus Marsh.
- XPH. UNIFORMIS *Marsh. Schön.* Common. 1856
parvulus Gyll. Steph.
minutus Steph.
Pomonæ Schön.
- XPH. POMONÆ *Oliv. Germ. Steph.* Abundant on nettles, &c. 1856,
uniformis Steph.
albidus Steph.

- X PH. VIRIDICOLLIS *Fab. Steph.* Very local. Common on nettles near Edinburgh; East Lothian; Berwickshire. 1856
- LIMOBIUS *Schön.*
 PHYTONOMUS *Schön.*
 HYPERA *Germ. Steph.*
- L. DISSIMILIS *Gyll. Germ. Schön.* Queensferry sea-shore, among Ononis arvensis. Dr Greville.
fulvipes Steph.
fumipes Curtis.
- PHYTONOMUS *Schön.*
 HYPERA *Germ. Steph.*
 PLINTHUS *Lat.*
- X PH. PUNCTATUS *Fab. Steph.* Occasional. 1856
Austriaca Herbst.
media Marsh.
- PH. FASCICULATUS *Herbst. Steph.* Musselburgh. Dollar.
fasciculosa Gyll. Ent. Edin. Mr J. T. Syme.
Danei Oliv.
- X PH. POLYGONI *Lin. Steph. Schön.* Generally distributed.
fasciatus De Geer.
striatus Herbst.
cinereus Oliv.
Arator Lin. Steph.
canescens Steph.
Viciæ Steph.
pivicornis Steph.
- X PH. RUMICIS *Lin. Steph.* On docks, near Edinburgh; Kinross-shire; Forfarshire; Berwickshire; Dumfriesshire, &c.
Acetosæ Panz.
pyrrhodactylus (Procas.) Marsh. Steph.
- PA. MURINUS *Fab. (not Steph.)* Sandy ground on coast of Firth of Forth, near Edinburgh; Dollar; Raehills.
nebulosa Steph.
elongata Steph. (not Payk.)
fuscocinerea Marsh.
- PH. PLANTAGINIS *Dej. Steph.* Dalmeny Park. Mr R. N. Greville.
villosula Wilk. Steph.
- X PH. NIGRIROSTRIS *Fab. Steph.* Common everywhere. 1856
- PH. VARIABILIS *Herbst.* Occasional, near Edinburgh; Little Ross; Kirkcudbrightshire; Dumfriesshire.
sublineata Kirb. Steph.
bimaculatus Marsh.
postica Gyll.
villosula Wilk. Steph.
stramineus Marsh.
phæopa Steph.
rufipes Steph.

Herbar. Sibir. Near Edinburg

1871
1871
1871

THEOPHYLLUS S. W.

1871

1871

1871

1871

1871

1871

1871

1871

1871

1871

Not uncommon. 1876.

Common on fir trees.

New Glasgow Botanic Gardens, 1876.

Said to have been taken by Dr Leach.

1876

1876

PH. SUSPICIOSUS *Herbst. Schön.* Near Edinburgh.

Steph.
 miles *Payk. Steph.*
 bitæniatus *Marsh.*
 pedestris *Payk. Steph.*

TROPIPHORUS *Schön.*

BARYNOTUS *Germ. Steph.*
 BRACHYRINUS *Lat.*

XI. MERCURIALIS *Fab. Schön.* Occasional.

Steph.
 lapidarius *Payk.*
 lepidotus *Herbst.*
 obtusus *Bonsd. Lat.*
 Succicus *Lin.*
 attenuatus *Dej.*
 var. Terricola *Newm.*

LEIOSOMUS *Kirby, Steph.*

MOLYTES *Dej.*

XL. OVATULUS *Clair.* Occasional.

punctatus *Marsh. Steph.*
 deflexus *Panz.*
 crassicollis *Dej.*

HYLOBIUS *Schön.*

XH. ABIETIS *Lin.* Common on fir trees. 1856

Pini Marsh.
Juniperi Stroem.
 excavatus *Schrank.*
 Norvegicus *Petit.*
 tigrinus *Fourc.*

H. PINASTRI *Gyll.* Said to have been taken in Scotland
 by Dr Leach. *Ent. Edin.*

BARYNOTUS *Germ. Schön.*

GASTRODUS *Dej.*
 MERIONUS *Steph.*

XB. OBSCURUS *Fab. Steph.* Common. 1856

murinus *Bonsd.*
 honorus *Herbst.*
 pilosus *Marsh.*
 vagus *Laid.*

XB. MERENS *Fab.* Scarce. Lasswade; Roxburghshire;
 Bohemanni *Gyll.* Dumfriesshire; Berwickshire.
 elevatus *Marsh. Steph.*

LIOPHLÆUS *Germ. Schön.*

- X L. NUBILUS *Fab. Steph.* Not rare. On umbelliferous plants.
tesselatus Lat.
 var. *Maurus Marsh. Steph.* Forfarshire. *Misses Lyell.*

ALOPHUS *Schön.*

- X A. TRIGUTTATUS *Fab.* Not common; but generally distributed.
cordiger Sulz.
melanocardius Herbst.
desertus Panz. (Phytonomus) Sch.
 ♂ *striatorostris Marsh.*
rufimanus Marsh.

CLEONUS *Schön.*

- C. SULCIROSTRIS *Lin. Steph.* Rare. Occasionally taken on sandy spots near the shores of the Firth of Forth, and along the sea-coast near Cockburnspath.
 (BOTHYNODERUS *Schön.*)

- C. ALBIDUS *Fab. Steph.* Portobello, near Edinburgh.
niveus Bonsd. *Dr Leach. Steph. Illust.*
candidus Herbst.
affinis Schrank.

POLYDRUSUS *Germ. Schön.*

- X P. UNDATUS *Fab. Steph.* Not common. Roxburghshire; Dumfriesshire; Dollar; Pressmenan Wood, East Lothian, on the oak and birch; Berwickshire.
tereticollis De Geer. Lat.
albofasciatus Herbst.
cinereus Schaller.
fulvicornis Steph. (not Fab. Gyll.)
selenius Marsh.
rufipes Lin.

- P. PTERYGOMALIS *Schön.* Near Edinburgh, Dumfriesshire, Berwickshire.
flavipes Marsh.

- X P. MICANS *Fab. Steph.* Not common. Near Edinburgh, Dalkeith, Roslin, &c.; Lanarkshire, near Hamilton; Berwickshire.
 (*argentatus Fourc.*) *not Oliver*

- X P. CERVINUS *Lin. Steph.* Local. Common on fir trees in Kinross-shire.
messor Herbst.
 var. *maculatus Herbst.*
 — *atomarius Dej.*
griseoæneus De Geer.

Not common near Glasgow 1856.

Near Hamilton; Arden, 1856.

Plentiful on hazel Kelvin bank. 1856.

Abundant at Leadzow 1856

Occasional at Leadzow. 1856.

LICHENS

12. MORICOLA Fab. *1856*
var. Maurus Marsh. Sept. Northshire.

ALOPHUS Schreb.

13. A. *1856*
melanocarpus Herbar.
desertus Fenzl. (Phytan-
cus) Sch.
5. acutirostris Marsh.
rubescens Marsh. X

CLEOSTOMA

C. *1856*
S. *1856*
(Glyptoglyphus Schreb.)
near Ochilmore.

C. ALPHONSA Fab. Steph.

directa Bonard.
caudata Herbar.
affinis Schreb.
Portobello, near Edinburgh.
In Loch, West Hill.

PHOTODENDRUM

14. PHOTODENDRUM *1856*
15. *1856*
tereticoelle De Geer. Loc.
albifasciatus Herbar.
obovatus Schreb.
foliigerum Steph. (act. Fab.)
Gyl.)
seleniae Marsh.
radices Lin.

P. MONTANUM Schreb.

striatum Marsh.
P. *1856*
(argentatus Fenzl.)
Dunblair, Rodin, etc.
near Hamilton.

Around Glasgow 1856.

var. muscivorus Herbar.
— stomaria D.
griseocarpa De Geer.

SITONES Schön.

SITONA Germ. Steph.

- S. GRISEUS *Fab.* (not *Steph.*) Forfarshire. *Steph. Illust.*
palliatuſ Oliv.
fusca Marsh. Steph.
- X S. REGENTSTEINENSIS *Herbst.* Near Edinburgh; Dollar, Kinross-shire, Aberdeen, Argyllshire, East Lothian, Berwickshire, &c. 1856
Steph.
Ulicis Kirby, Steph.
Spartii Kirby, Steph.
femoralis Steph.
pleuritica Steph.
- X S. SULCIFRONS *Thunb. Germ.* Common. 1856
Schön. Steph.
campestris Oliv.
tibialis Gyll. Steph. (not *Herbst.*)
subaurata Kirby, Steph.
- X S. LINEATUS *Lin. Germ. Steph.* Very common. 1856
squamosus Lin.
intersectus Fourc.
chloropus Lin.
ruficlavis Marsh. Steph.
griseus Marsh. (not *Fab. Steph.*)
- X S. FLAVESCENS *Marsh. Steph.* Common. 1856
octo-punctatus Schön. (not *Germ.*)
nigriclavis Marsh. Steph.
caninus Gyll. Steph.
longiclavis Marsh. Steph.
griseus Kirby, Steph. (not *Fab.*)
lineatus Fab.
- S. HUMERALIS *Kirby, Steph.* Raehills, Dumfriesshire; Berwickshire.
Pisi Steph.
promptus Schön.
- X S. HISPIDULUS *Fab. Steph.* Near Edinburgh; Kinross-shire, Dumfriesshire, Berwickshire, &c.
Schön.
pallipes Steph.
- S. SUTURALIS *Steph.* Dalmeny; Cramond; Berwickshire.
rufipes Marsh. (not *Lin.*)

S. TIBIALIS *Herbst, Germ. Schön.* Common.
 chloropus *Marsh.*
 lineellus *Gyll. Schön.* (not
Steph.)
 ambiguus (var.) *Schön.*
 albescens *Kirby.*
 affinis *Kirby.*
 lineatulus *Kirby.*

S. CRINITA *Oliv. Steph. Schön.* Dalmeny Park. Mr R. N. Greville, and
 lineella *Steph.* Rev. W. Little.
 albescens *Steph.*
 macularius *Marsh.*

SCIAPHILUS *Schön.*

X S. MURICATUS *Fab. Steph.* Occasional. Near Edinburgh; Kin-
 planirostris *Lin.* ross-shire; Whittingham, East
 asperatus *Lat. (Brachy-* Lothian; Berwickshire, &c.
cerus.)

STROPHOSOMUS *Bill.*
Schön. Steph.

CNEORHINUS *Schön. Dej.*

X S. CORYLI *Fab. Steph.* Very common on hazel and fir. 1856
 illibatus *Schön.*
 var. obesus *Marsh. Steph.* Occasional. Near Edinburgh.
 cognatus *Steph.*
 subrotundus *Marsh. Steph.*
 var. cervinus *Fab.* Dalmeny Park; Kinross-shire.
 Asperifoliarum *Kirby,*
Steph.
 rufipes *Steph.*
 nigricans *Steph.*
 atomarius *Marsh. Steph.*
 nebulosus *Steph.*
 var. affinis *Dej.*
 truncatus *Lat.*

S. RETUSUS *Marsh. Steph.* Near Edinburgh; Berwickshire;
 squamulatus *Steph.* (not Raehills, &c.
Herbst.)
 alternans *Schön.*
 oxyops *Schön.*

3. *Vicia* *Vicia*, *Germ. Schiz.* Not uncommon.

Cruciferae *Steph.*

Cruciferae *Steph.*

Cruciferae *Gyll. Steph.*

Cruciferae *Det. Marsh.* (not
det.)

4. *Cruciferae* *Steph.* Common

Cruciferae *Schiz.*

Cruciferae *Steph.*

Cruciferae *Schiz. Steph.*

X. *Cruciferae* *Fab. Gyll. Steph.* ~~Mossburn, Berwickshire~~

Cruciferae *Schiz.*

Cruciferae *Schiz.*

Cruciferae *Det. Marsh. Steph.*

~~Cockburnspath, Berwickshire~~

Occasional near Glasgow; Ayrshire. 1856.

Cruciferae *Steph.*

XI. *Cruciferae* *Steph. Dum.* Arthur Seat - Kiarross-shin - Berwickshire

Cruciferae *Steph.*

Cruciferae *Steph.*

A. *Cruciferae* *Fab. Steph.* Dalmeny Park. Mr R. X. Gordon and Mrs W. Linn

Cruciferae *Kirby.*
Cruciferae *Det. Marsh.* (not Gyll. Det.)

A. *Cruciferae* *Det. Marsh.* Dalmeny Park. Mr R. X. Gordon and Mrs W. Linn

Cruciferae *Germ. Schiz.*
Cruciferae *Kirby, Germ. Steph.*

Berwickshire; Roxburghshire; Dumfriesshire.

A. *Cruciferae* *Fab. Steph.* Near Edinburgh; Dalmeny.

A. *Cruciferae* *Kirby, Steph.* Common. Near Edinburgh; Dollar

Cruciferae *Gyll.*
Cruciferae *Det. Marsh.*

A. *Cruciferae* *Kirby, Steph.* Common. Dalmeny Park; Girick; Raebilly, &c.

A. *Cruciferae* *Gyll. Schiz.* Berwickshire; Roxburghshire; Dalmeny.

Cruciferae *Kirby, Det. Steph.*

S. strigata Herbst, Germ. Schaen. Common.
chalcopus Marsh.
lineatus (Gyll. Schaen. (not
 Steph.)
ambiguus (var.) Schaen.
obscurus Kirby.
affinis Kirby.
lineatulus Kirby.

S. curvata Olin Steph. Schaen. Dalmeny Park. *S. strigata*
lineata Steph.
obscurus Kirby.

Shores of Birth. 1856.

SYMPHYLUS Schaen.

var. submarginatus Schaen. (not
 described)
marginatus Gyll.
marginatus Lat. (Brazhy-
 com.)

SYMPHYLUS Gyll.

Near Dunoon 1856.

CHROMIDUS Schaen. Dej.

XS. *CORYLI* Gyll. Steph. Very common on hazel and beech
illibatus Schaen.
var. obscurus Marsh. Steph. Occasional. Near Edinburgh.
cognatus Steph.
subrotundus Marsh. Steph.
var. coryvicius Fieb. Railway Park; Kinross-shire.
Aperifoliarum Kirby.
Steph.
fulvipes Steph.
nigricans Steph.
stomatina Marsh. Steph.
umbellatus Steph.
var. affinis Dej.
truncatus Lat.

S. ruficornis Marsh. Steph. Near Edinburgh; Dalmeny Park.
apicatus Steph. (not
 Herbst.)
alternans Schaen.
oxyops Schaen.

S. FABER *Herbst. Germ. Schön.* Not uncommon.
chætophorus Steph.
septentrionis Steph.
pilosellus Gyll. Steph.
limbatus Dej. Marsh. (not
Steph.)

S. LIMBATUS *Steph.* Common.

CNEORHINUS *Schön.*

THYLACITES *Steph.*

PHILOPEDON *Schön. Steph.*

X C. GEMINATUS *Fab. Gyll. Steph.* Musselburgh Links ; sea-coast, near
Schön. Skatèraw, East Lothian, and near
albicans Schön. Cockburnspath, Berwickshire.
parapleurus Marsh. Steph.
maritimus Marsh.
scrobiculatus Marsh. Steph.
globatus Lat.

RAMPHUS *Clair.*

XR. FLAVICORNIS *Clair. Dum.* Arthur Seat. Kinross-shire ; Ber-
pulicarius Steph. wickshire, &c.

APION *Herbst, Steph.*

OXYSTOMA *Herbst, Steph.*

A. POMONÆ *Fab. Steph.* Dalmeny Park. Mr R. N. Greville, and
cœruleum Kirby. Rev. W. Little.
cyaneum Panz. (not *Gyll.*
Dej.)

A. CRACÆ *Lin. Steph.* Dalmeny Park. Mr R. N. Greville, and
 ♂ *ruficorne Germ. Sahlb.* Rev. W. Little.

A. SUBULATUM *Kirby, Germ.* Berwickshire ; Roxburghshire ; Dum-
Steph. friesshire.

A. ÆNEUM *Fab. Steph.* Near Edinburgh ; Dalmeny.

A. RADIOLUS *Kirby, Steph.* Common. Near Edinburgh ; Dollar.
aterrimum Gyll.
var. æneum Payk.

A. ONOPORDI *Kirby, Steph.* Common. Dalmeny Park ; Girrick ;
 Raehills, &c.

A. GIBBIROSTRE *Gyll. Sahlb.* Berwickshire ; Roxburghshire ; Dal-
Carduorum Kirby, Dej. meny.
Steph.

- A. HYDROLAPATHI *Marsh. Steph.* Near Edinburgh ; Raehills.
cœruleopenne *Steph.*
- A. ULICIS *Forst. Steph.* (*Oxy-* Generally distributed. Very plenti-
stoma Steph.) ful on furze on Musselburgh Links.
- A. FUSCIROSTRE *Fab. Steph.* Juniper Green, near Edinburgh.
(*Oxystoma Steph.*) Mr R. N. Greville.
melanopum *Marsh. Steph.*
- A. MALVÆ *Fab. Steph.* Near Edinburgh. *Ent. Edin.*
- A. VICIÆ *Payk. Dej. Steph.* Near Edinburgh ; Dollar ; Ber-
Griesbachii Steph. wickshire.
Trifolii Lin.
- A. VARIPES *Germ. Steph.* Dalmeny Park. Mr R. N. Greville.
flavipes Gyll.
flavifemoratum Kirby.
- A. APRICANS *Herbst, Steph.* Very common.
- A. FLAVIPES *Fab. Steph.* Common.
- A. ÆSTIVUM *Germ. Sahlb. Steph.* Raehills. *Rev. W. Little.*
- A. ASSIMILE *Gyll. Kirby, Steph.* Dalmeny Park. Mr R. N. Greville.
- A. MINIATUM *Sahlb. Dej.* Occasional throughout Scotland.
frumentarium Steph. (not
Lin.)
- X A. FRUMENTARIUM *Lin. Gyll.* More frequent. 1856
Sahlb.
hæmatodes Steph.
purpureum Lat.
ferrugineum Dej.
- A. CRUENTATUM *Walton.* Near Penmansheil. Mr Hardy.
- A. TENUE *Kirby, Steph.* Rare. Loanhead and Cramond ;
Raehills.
- A. SENICULUS *Kirby, Steph.* Cramond. *Rev. W. Little.*
tenuis Dej. Gyll.
plebeium Germ.
elongatum Germ.
- A. ONONIS *Kirby, Steph.* On *Ononis arvensis.* Near Edin-
♂ cinerascens Germ. burgh, North Berwick, Kinross-
shire, Berwickshire, Dumfries-
shire, &c.
- A. ERVI *Kirby, Sahlb. Steph.* Common on *Lathyrus pratensis*
var. Lathyri Kirby, Steph. near Edinburgh ; Dollar ; Ber-
wickshire ; Dumfriesshire, &c.

- A. *LOTI* Kirby, *Steph.* Dalmeny Park ; Berwickshire.
- A. *VIRENS* Herbst, *Sahlb. Steph.* Generally distributed.
æneocephalum Gyll.
cyaneum Dej.
♂ *Marchicum* *Steph.*
- A. *PUNCTIGERUM* Germ. *Steph.* Dalmeny Park. Mr R. N. Greville.
var. *sulcifrons* Herbst.
- A. *FOVEOLATUM* Kirby, *Steph.* Near Edinburgh. Dr Greville.
cyaneum Gyll. *Dej.*
- A. *SPENCII* Kir. *Steph.* Arthur Seat, near Edinburgh ; Berwickshire.
- A. *SPARTII* Kir. *Steph.* Rare, near Edinburgh. *Ent. Edin.*
- A. *ASTRAGALI* Payk. *Steph.* Queensferry. Dr Greville.
- A. *VORAX* *Sahlb. Steph.* Common.
♂ *fuscicornis* Marsh.
♀ *villosulum* Marsh.
- A. *PAVIDUM* Germ. *Steph.* Dollar. Mr J. T. Syme.
Ervi var. *γ* *Steph.*
- A. *STRIATUM* Kirby, *Steph.* Not rare.
Pisi *Steph.* (not *Fab.*)
- A. *PISI* *Fab. Schön.* Common, and generally distributed.
gravidum Oliv.
pasticum Germ.
punctifrons *Steph.*
- A. *IMMUNE* Kirby, *Steph.* On broom and furze near Edinburgh ; Berwickshire.
- A. *HUMILE* Germ. *Sahlb. Steph.* Kinross-shire ; Near Edinburgh ; Stirling.
brevirostre Dej.
curtirostre *Steph. Germ.*
Sedi Gyll.
- A. *MINIMUM* Herbst. Raehills. Rev. W. Little.
velox *Steph.*
crenatum Dej.
- × A. *VIOLACEUM* Kirby, *Sahlb. Steph.* Generally distributed. 1556
Hydrolapathi Dej.
cyaneum Oliv. (not Panz.
nor Gyll.)
- A. *MARCHICUM* Herbst, *Sahlb.* Near Edinburgh ; Berwickshire ;
violaceum Dej. (not *Steph.*) Dumfriesshire.
Rumicis *Steph. Germ.*

- A. AFFINE *Kirby, Germ. Steph.* Dumfriesshire; Cramond. Rev. W. Little.
 A. SUBSULCATUM *Marsh. Steph.* Dalmeny; Berwickshire.

RHINOMACER *Fab.*

- X R. ATTELABOIDES *Fab. Steph.* Scarce. Dalmeny Park; Kirknewton; Peasedean; Howparkdean; near Swinton; Jardine Hall; Kirkpatrick Juxta; Rannoch, &c.

RHYNCHITES *Herbst, Steph.*

DEPORAUS *Leach, Steph.*

- R. ÆQUATUS *Lin. Steph.* Slateford. *Ent. Edin.*
purpureus Oliv.
- R. CUPREUS *Lin. Steph.* Kirkpatrick Juxta, on the mountain
æneus Lat. ash. *Rev. W. Little.*
punctatus Herbst.
- R. MEGACEPHALUS *Germ.* Dalmeny Park; Girrick; Penmanshiel wood; Berwickshire; Rae-hills; Dumfriesshire, &c.
angustatus Dej.
Alliariæ Steph. (not Fab. Dej.)
Mannerheimii Humm.
laevicollis Steph.
cyaneopennis Steph.
- X R. PAUXILLUS *Germ. Steph.* Kirkpatrick Juxta. *Rev. W. Little.*
- R. GERMANICUS *Herbst.* Dalmeny Park; Penmanshiel wood.
minutus Herbst, Steph.
arquatus Dej.
viridis Mej.
- R. FRAGARÆ *Sturm. Schön.* Penmanshiel wood; Berwickshire;
arquatus Dej. Raehills; Dumfriesshire.
æneovirens Marsh. Steph.
virescens Zieg.
- R. NANUS *Payk.* Penmanshiel wood; Berwickshire;
Alliariæ Lin. Raehills.
cylindricus Kirby, Steph.
- X R. BETULETI *Fab. Herbst.* Roxburghshire and Dumfriesshire;
 X ~~Betula~~ *Lin. Steph. (Depo- Berwickshire*
raus Lea. Steph.)
- R. BETULÆ *Lin.* Roslin. *Ent. Edin.*
femoratus Lat.
- R. OPHTHALMICUS *Steph.* Dollar. *Mr J. T. Syme.*

Haisley Moss W. Young 1856.

FAMILY CERAMBYCINAE

Kelvin side; In flowers of wood Hyacinth. 1856.

Near Hamilton & Kelvin. 1856.

ATTELABUS *Lin.*

A. CURCULIONIDIS *Lin. Steph.* Dalmeny Park, Penmanshiel wood,
&c.

APODERUS *Oliv.*

A. CORYLI *Lin.* Dalmeny Park ; Beld Craig, near
Avellanæ Lin. Panz. Steph. Moffat ; Dumfriesshire ; Berwick-
shire.

BRUCHUS *Lin.*

X B. RUFIMANUS *Schön.* In beans, &c., in seed shops, Edin-
burgh.

X B. PISI *Lin. Steph.* Glasgow, among pease (imported.)
1856. Mr Hislop.

FAMILY CERAMBYCIDÆ.

PHYMATODES *Muls.**Redten.*CALLIDIUM *Fab. Steph.*

PH. VARIABILIS *Lin. Steph.* A pair taken in the New Town of
Edinburgh. Rev. W. Little.

ASEMUM *Esch.*CALLIDIUM *Fab.*

X A. STRIATUM *Lin. Steph.* Rare near Edinburgh ; Dollar, &c. ;
Not scarce near Kirriemuir.

CLYTUS *Fab. Steph.*

X C. ARIETIS *Lin. Steph.* Lanarkshire at Hamilton. Mr J. Blyth. 1856.
quadrifasciatus De Geer. Near Carnwath. Mr A. Hepburn.
Near Edinburgh. Sir Patrick Walker.

LEIOPUS *Serv.*POGONOCHERUS *Mej.*
Steph.

X L. NEBULOSUS *Lin. Steph.* In woods near Edinburgh ; Dalkeith
Park ; Roslin ; Berwickshire, &c.

AEDILIS *Serv.*ASTYNOMUS *Dej.*ACANTHOCINUS *Panz.*
Steph.

Æ. MONTANA *Serv. Mulst.* Rare in most parts of Scotland; not
 ædilis *Lin. Steph.* scarce in Rannoch, Perthshire.

POGONOCHERUS *Mej.*
Dej. Steph.

P. HISPIDUS *Fab. Steph.* Roslin. Dr Knapp.

P. PILOSUS *Fab. Steph.* Moffat. Rev. W. Little.
 hispidus *Panz.*

MONOHAMMUS *Dej.*
Muls.

MONOCHAMUS *Serv. Steph.*

X M. DENTATOR *Fab. Steph.* Taken alive in Glasgow — (a North
 American species.) ¹⁸⁵⁴ Mr R. Hislop.

LAMIA *Fab. Serv.*

X L. TEXTOR *Lin. Steph.* Rannoch, Perthshire.
 Mr Weaver and Dr Nelson.
 Argyllshire. ¹⁸⁵⁶ Rev. George Little.

DORCADION *Dalman,*
Muls.

D. FULIGINATOR *Lin.* A single specimen found creeping
 over wet sea-weed in St Andrews
 Bay. Dr Lowe.

ANÆREA *Muls.*

SAPERDA *Fab. Steph.*

A. CARCHARIAS *Lin. Steph.* Sutherlandshire. A. Murray, per Mr A.
 punctata *De Geer.* Young.

SAPERDA *Fab. Steph.*

X S. SCALARIS *Lin. Steph.* Rannoch, in Perthshire.
 Mr Weaver and Dr Nelson.
 Raehills. Rev. W. Little.

RHAGIUM *Fab.*

X R. BIFASCIATUM *Fab. Steph.* In fir stumps, near Edinburgh;
 Clackmannan; Dollar; Dumfries-
 shire; Dunoon; Berwickshire.

R. INDAGATOR *Fab. Steph.* Raehills; Rannoch.

R. INQUISITOR *Lin. Steph.* Dumfriesshire; Berwickshire; Ran-
 noch.

PACHYTA *Mej.*

P. OCTOMACULATA *Fab. Steph.* Once taken in Peasedear, Berwick-
 shire. Mr Hardy.

TRICHALIA Scop. Dig.

Scop.

Systema Dig.

LEPTERA Lat. Steph.

T. rosata Herod. Dig.

Liquid Rose; Kirkcaldyshire.

T. rosata Steph.

No. 1. 7. 1856.

T. quadricolorata Lat. Steph.

Rashills; Dumfriesshire; Mennoch.

GRAMMOPTERA Scop.

Scop.

LEPTERA Scop.

G. laticornis Fab. Steph.

Fessenden, Berwicksh.; Allicroder

G. serripennis Fab. Steph.

Colinton, near Edinburgh; Fessenden.

FAMILY BONACIÆ.

BONACIA Fab.

B. flavipes Fab. Steph.

July 14/1856 near Edinburgh.

B. flavipes Scop.

B. flavipes Harp.

B. flavipes var. b. Scop.

B. flavipes var. c. Scop.

B. flavipes var. d. Scop.

B. flavipes var. e. Scop.

B. flavipes var. f. Scop.

B. flavipes var. g. Scop.

B. flavipes var. h. Scop.

B. flavipes var. i. Scop.

B. flavipes var. j. Scop.

B. flavipes var. k. Scop.

B. flavipes var. l. Scop.

B. flavipes var. m. Scop.

B. flavipes var. n. Scop.

B. flavipes var. o. Scop.

B. flavipes var. p. Scop.

B. flavipes var. q. Scop.

B. flavipes var. r. Scop.

B. flavipes var. s. Scop.

B. flavipes var. t. Scop.

B. flavipes var. u. Scop.

B. flavipes var. v. Scop.

B. flavipes var. w. Scop.

B. flavipes var. x. Scop.

B. flavipes var. y. Scop.

B. flavipes var. z. Scop.

Bonacia flavipes Scop.
Coldingham Moor, Berwickshire.

Auran, rare. 1856.

Very common. 1856.

On aquatic plants in Duddingston Loch; Lochar.

On aquatic plants in ponds near Edinburgh.

R. ...

... in ...

POGONCHERUS Mj.
... ..

P. ...

...

P. ...

...

MONOCHAMUS Dg.
... ..

MONOCHAMUS ...

X. M. ...

...

LAMIA Fab. Ser.

X. L. ...

...

DORSADINUS Dalman.
... ..

D. ...

A single specimen found ...

ANEREA Mull.

Aneraea ...

On potamogeton; Possil ditches. 1856.

SAPPIDA Fab. Steph.

X. S. ...

Rare on Sparganium Possil. 1856.

R. ...

...

R. ...

FAURITA Mj.

Not common. 1856.

...

STRANGALIA *Serv. Dej.**Muls.*STENURA *Dej.*LEPTURA *Lin. Steph.*S. ARMATA *Herbst, Gyll.*

Little Ross ; Kirkcudbrightshire.

elongata Rossi. Steph.

Mr J. T. Syme.

S. QUADRIFASCIATA *Lin. Steph.*

Raehills ; Dumfriesshire ; Rannoch.

GRAMMOPTERA *Serv.**Muls.*LEPTURA *Steph.*G. LEVIS *Fab. Steph.*

Peasedean, Berwicksh. ; Midcalder.

G. RUFICORNIS *Fab. Steph.*Colinton, near Edinburgh ; Pease-
dean.

FAMILY DONACIADÆ.

DONACIA *Fab.*

- X D. CRASSIPES *Fab. Steph.*
striata Panz.
micans Hoppe.
aquatica var. b. Lin.
spinosa De Geer.

Mull. *1 specimen* Mr R. Hislop. *1856.*

- X D. BIDENS *Oliv. (not Dej.)*
clavipes Payk.
cincta Germ. Steph.
micans Marsh.
aquatica Martyn.

Duddingston Loch and Ravelrig ;
Coldingham Moor, Berwickshire.

- X D. DENTIPES *Fab. Steph.*
vittata Oliv.
fasciata Hoppe.
nitida Lin.

Dollar ; Glasgow ; Coldstream.
1856

- D. LEMNÆ *Fab. Steph.*
marginata Hoppe.
vittata Panz.
limbata Panz.
lateralis Bon.

On aquatic plants in Duddingston
Loch ; Lochend.

- X D. SAGITTARÆ *Fab. Steph.*
aurea Hoppe.
bicolor Lin.

On aquatic plants in ponds near
Edinburgh ; near Milngavie ; near
Glasgow. 1856

- † X D. IMPRESSA *Gyll. Steph.* Ayrshire. Mr Hardy.
- D. MENYANTHIDIS *Fab. Steph.* Duddingston Loch. Scarce.
crassipes Lin. (not Fab.)
clavipes Fab.
simplex Payk. Marsh.
- X D. LINEARIS *Hoppe, Steph.* Common on reedy lakes and ponds.
simplex Fab.
- † X D. TYPHE *Brahm.* Near Glasgow. Mr R. Hislop.
linearis var. b. Gyll.
- X D. SIMPLEX *Fab. Steph.* Braid ponds; Lochleven.
semi-cuprea Panz.
vulgaris Lin.
- X D. SERICEA *Illig. Gyll.* Dollar; Braid marshes; Berwickshire.
Proteus Steph.
- HAEMONIA *Mej.*
- MACROPLEA *Curt. Steph.*
- H. ZOSTERÆ *Fab. Steph.* Loch of Forfar. Dr Gilbert M'Nab.
Ruppix Germ.
Schiodtei Guérin.
mutica Fab. (not Payk.)

FAMILY CHRYSOMELIDÆ.

DIVISION LEMIDÆ.

LEMA *Fab.*

CRIOCERIS *Geoff. Steph.*

- L. RUGICOLLIS *Suffrian.* On the Eden, near Nenthorn. Girrick.
puncticollis Curtis, Steph. Mr Hardy. Mr Hislop.
cyanella Fab. Gyll.
- X L. CYANELLA *Fab. Steph.* Occasional throughout Scotland.
var. A obscura? Steph. Near Edinburgh. Mr R. N. Greville.
- X L. MELANOPA *Lin. Steph.* Dollar; near Edinburgh; Penmanshiel.
Hordei Fourc.
cyanipennis Duft.

† X L. *Asparagi* Monkton Ayrshire Mr. Dun

Taken by Mr. Duncan, 1856.

on *Sparganium ramosum* } Possid
on *Sparganium simplex* }

Monkton Mr. Duncan 1856.

Possid & not uncommon. 1856.

Rather common thistles. 1856.
not common 1856

Several specimens have been taken this
Autumn.

Not uncommon on Shittles. 1856.

Gampie & occasional 1856.

Passing into image end of August R.H. 1856.

Monkton 1856.

Very common. 1856.

FAMILY ONYSSOPHILIDAE

Division CESTRUM.

LEMA 1856.

Onoceras Cliff. Sept.

L. pinnoculus Sept. 1856.

Onoceras Cliff. Sept.

Inverary; not common 1856.
R.H.

Horrid. Pauc.

Onoceras Cliff. Sept.

DIVISION CASSIDIDÆ.

CASSIDA *Lin.*

- C. EQUESTRIS *Fab. Steph.* Near Edinburgh; Dumfriesshire.
viridis Lin.
- X C. RUBIGINOSA *Illig. Steph.* Kinross-shire; near Edinburgh; Dumfriesshire; East Lothian; Berwickshire.
prasina Fab. coll.
viridis Fab. coll.
vibex Fab. coll.
- X C. OBSOLETA *Illig. Steph.* Cramond; Raehills; Penmanshiel;
nebulosa Fab. (not Lin.) Girrick; Glasgow.
exculpta Chasp.
- X C. *oblonga Illiger*
salicorniacula

DIVISION GALLERUCIDÆ.

*on Strijleae banks of Leven
 opposite Dumbarton castle 1856*

ADIMONIA *Laich.*GALLERUCA *Fab. Steph.*

- X A. TANACETI *Fab. Steph.* Occasional.
- X A. CAPRÆ *Lin. Steph.* Among heather; plentiful in Autumn among Pentlands, near Edinburgh; Dollar; Dumfriesshire; Berwickshire, &c.

GALLERUCA *Geoff. Steph.*

- G. VIBURNI *Payk. Steph.* Raehills. Rev. W. Little.
- G. NYMPHÆ *Lin. Steph.* Dollar; Berwickshire.
- G. LINEOLA *Fab. Panz. Steph.* Raehills. Rev. W. Little.
- G. CALMARIENSIS *Lin. Steph.* Raehills. Rev. W. Little.
Lythri Gyll.
- X G. TENELLA *Lin. Steph.* Torwood; Raehills; Dollar; Berwickshire. 1856

AGELASTICA *Chev. Dej.*ADIMONIA, *Schr. Steph.*

- A. HALENSIS *Lin. Steph.* Berwick-on-Tweed. Dr Philip M'Lagan.
nigricornis Fab.

LUPERUS *Geoff. Steph.*

- X L. RUFIPES *Fab. Steph.* Occasional.
- L. FLAVIPES *Lin. Steph.* Occasional.

ALTICA *Lin.*HALTICA *Illig. Steph.*

(GRAPTODERA *Chev.*)

- X A. OLERACEA *Fab. Duft. Steph.* Generally distributed.
 A. ERUCÆ *Fab. Steph.* Cramond, and near Portobello.
 Lythri Chev. Aubé.
 (PODAGRICA *Chev.*)
 A. FUSCIPES *Fab.* Dumfriesshire. Rev. W. Little.
 (CREPIDODERA *Chev.*)
 X A. EXOLETA *Lin.* Common. 1856
 flava Lin. Steph.
 similis Kirby, Steph.
 X A. TRANSVERSA *Marsh.* Common. 1856
 ferruginea Steph.
 A. RUFIPES *Lin. Steph.* Near Edinburgh; Dollar.
 ruficornis Ent: Heft.
 A. NITIDULA *Fab. Steph.* Raehills. Rev. W. Little.
 X A. HELXINES *Fab. Steph.* Near Edinburgh; Dollar; Dumfriesshire; Glasgow; Berwicksh., &c.
 gaudens Kirby, Steph.
 fulvicornis Fab. Steph.
 A. PULCHELLA *Steph.* Dumfriesshire.
 cyanea Marsh. Steph.
 metallica Duft.
 ♂ *aurata Marsh. Steph.*
 A. MODEERI *Lin. Steph.* Raehills. Berwickshire.
 Rev. W. Little. Mr Hislop.
 (PHYLLOTRETA *Chev.*)
 A. BRASSICÆ *Fab. Steph.* Raehills. Rev. W. Little.
 4-pustulatata *Illig. Ent:*
 Heft.
 4-guttata *Steph.*
 X A. FLEXUOSA *Ent: Heft. Steph.* Queensferry. Near Glasgow. 1856
 X A. NEMORUM *Lin. Steph.* Very common. 1856.
 A. ATRA *Ent: Heft. Dej.* Raehills. Rev. W. Little.
 obscura Illig. Dej. Steph.
 A. LEPIDII *Ent: Heft. Gyll. Steph.* Raehills. Rev. W. Little.
 (APHTHONA *Chev.*)
 A. EUPHORBICÆ *Fab. Gyll. Steph.* Raehills. Rev. W. Little.
 A. ATROCERULEA *Steph.* Queensferry. Mr R. N. Greville.
 X A. PSEUDACORI *Marsh. Steph.* Near Edinburgh; Glasgow; Dollar;
 violacea Ent: Heft. Dalmeny, on leaves of *Iris Pseudacori.*

Not uncommon on heather 1856. X

Bank of Ayrshire 1856

Railway near ... X

LONGITARSUS Lat.

TRYANA Steph.

L. AGRICOLA Waterl. Berwickshire. In Dunes X

L. HOLLANDICA Lat. East. Herts. Rabbills; Dunoon 1876 X

on occasional Ayrshire. 1856. X

L. ... Marsh. Steph. Occasional X

L. ... Common on Senele Jacobae in ... X

L. ... Near Edinburgh; East Lothian, &c. X

L. ... Occasional X

L. ... X

L. ... X

Boading Inverary; Plentiful 1856. X

Banks of Clyde. 1856.

Paisley. 1856.

Kilpatrick. 1856.

Throughout the district. 1856.

(BALANOMORPHA Chev.)

MANTURA Steph.

- X A. RUSTICA *Lin. Steph.* Occasional.
 semi-ænea Ent: Heft. Steph.
- X A. OBTUSATA *Gyll. Steph.* Dollar; Raehills; Stitchell.
- LONGITARSUS *Lat.*
 THYAMIS *Steph.*
- L. ANCHUSÆ *Payk. Gyll. Steph.* Raehills. Rev. W. Little.
 tristis Dej.
 convexa Steph.
- L. APICALIS *Waterh.* Berwickshire. Mr Hardy.
- X L. HOLSATICUS *Lin. Ent: Heft.* Raehills; Dunoon. 1856
- L. QUADRIPUSTULATUS *Fab.* Raehills. Rev. W. Little.
 Steph.
 4-maculatus Ent: Heft.
- L. OCHROLEUCUS *Marsh. Steph.* Occasional.
- X L. TABIDUS *Fab. Steph.* Common on *Senecio Jacobea* in
 autumn. 1856
- X L. MELANOCEPHALUS *Gyll. Sch.* Near Edinburgh; Raehills; Ber-
 picipes Steph. wickshire, &c.
 confinis Kirby, Steph.
 atricillus Lin. Steph.
 atriceps Steph.
- L. FEMORALIS *Marsh. Gyll. Steph.* Near Edinburgh; East Lothian, &c.
- L. SUTURALIS *Marsh. Steph.* Occasional.
- X L. THORACICA *Kirby, Steph.* Not unfrequent.
 fuscicollis Kirby, Steph.
 dimidiata Steph.
 atricornis Steph.
- L. PALLENS *Kirby, Steph.* Arthur Seat; Raehills; Juniper
 Green, &c.
- L. FUSCESCENS *Kirby, Steph.* Raehills.
- X L. LURIDUS *Gyll. Steph.* Common in autumn. 1856,
 castanea Meg. Steph.
 brunnea Duft. Steph.
 nigricans Kirby, Steph.

- L. PULEX *Marsh. Steph.* Dollar ; Dalmeny Park, &c.
- L. HILARIS *Kirby, Steph.* Raehills. Rev. W. Little.
pilaris Curtis.
- L. PARVULUS *Payk. Gyll. Steph.* Raehills. Rev. W. Little.
- PSYLLIODES *Lat.*
- MACROCNEMA *Steph.*
- P. HYOSCYAMI *Lin. Steph.* Dalmeny. Dr Greville.
- P. CHRYSOCEPHALA *Lin. Steph.* Portobello ; Dalmeny Park ; Berwickshire.
rufilabris Ent : Heft.
erythrocephala Lin.
- P. CUCULLATA *Illig.* Queensferry ; Penmanshiel.
Spergulae Gyll.
- X P. RAPÆ *Illig. Steph.* Common. 1816
Napi Ent : Heft. Steph.
brunnipes Meg. Steph.
- P. MARCIDA *Illig. Steph.* Near Edinburgh ; coasts of Berwickshire and East Lothian.
- P. PICICORNIS *Kirby, Steph.* Raehills. Rev. W. Little.
picalis Steph.
- X P. PICINA *Marsh. Steph.* Dalmeny Park ; Cramond ; Raehills ; Swinton, &c.
- P. ERICAE *Ent : Heft. Steph.* Portobello ; Moffat Hills. Mr J. T. Syme.
- P. EXOLETA *Lin ? Steph.* Raehills. Rev. W. Little.
nigriceps Kirby.
- P. PALLIDA *Zieg. ? Steph.* Raehills. Rev. W. Little.
- CARDIAPUS *Curt. Steph.*
- C. MATTHEWSII *Curt. Steph.* Raehills. Rev. W. Little.
- C. HELIANTHEMI. Raehills. Rev. W. Little.
- PLECTROSCELIS (*Chev.*) *Dej.*
- CHÆTOCNEMA *Steph.*
- P. DENTIPES *Ent : Heft. Steph.* Occasional.
concinna Marsh.
picipes Kirby, Steph.
- X P. ARIDELLA *Payk. Steph.* Not rare. 1816.
- ARGOPUS *Fisch. Dej.*
- SPHÆRODERMA *Steph.*
- A. TESTACEUS *Fab. Steph.* Occasional.
- A. CARDUI *Kirby, Gyll.* East Lothian. Mr Hardy.

APPENDIX (Cont.)

1891

1892

Rachilla; near Glasgow; Dun-
barrow, 1896

1893

1894

Not uncommon at Rachilla; Ed-
mondston, Berwickshire; practi-
cal near Bolton, 1896

1895

X

DIVISION CHIRONOMIDAE.

1896

1897

Near Glasgow seemingly common, 1896.

X

1898

Scarcely. Near Edinburgh, Queens-
ferry, Dollar, &c.

Queensferry.

First found in the Orkney Islands, at
Puffinburgh, Orkney, 1896
afterwards in great plenty at
Puffinburgh, Orkney, 1896

1899

1900

1901

1902

1903

1904

1905

1851

1851

[Faint, mostly illegible text, possibly bleed-through from the reverse side of the page. Some words like "Near Edinburgh" and "East London" are faintly visible.]

Near Milport R.H. near Douglas M^r: Holbourn 1856

W^m: Duncan 1856.

APTEROPODA (Chev.)

Redten.

SPHERODERMA Steph.

MNIOPHILA Steph.

- X A. CILIATA Oliv. Raehills; near Glasgow; Dum-
 Hederæ Ill. barton. 1856
 globus Duft.
 orbiculata Marsh. Steph.
 Graminis Ent: Heft.
- X A. MUSCORUM Ent: Heft. Steph. Not uncommon at Raehills; Ed-
 Gibbium Melsh. mondsdean, Berwickshire; plen-
 Leodiensis Wesm. tiful near Bothwell. 1856

DIVISION CHRYSOMELIDÆ.

TIMARCHIA (Meg.) Lat.

- T. TENEBRICOSE Fab. Kirkcudbrightshire. Rev. Mr Lamb.
 laevigata Duft. Steph. (not
 Dej.)

CHRYSOMELA Lin.

- C. HEMOPTERA Lin. Steph. Scarce. Near Edinburgh, Queens-
 Hottentota Fab. ferry, Dollar, &c.
- C. SANGUINOLENTA Lin. Queensferry.
 rubromarginata De Geer.
 distinguenda Steph.
- C. MARGINALIS Duft. var. First found in the Orkney Islands, by
 Professor Edward Forbes;
 afterwards in great plenty, by
 Mr J. T. Syme.
- X C. MARGINATA Lin. Steph. Rare. Near Edinburgh, Dumfries-
 shire, &c.
- X C. BANKSII Fab. Steph. Ayrshire. Dr Gilbert M'Nab.
 rubrocuprea Fourc.
- C. LAMINA Fab. On the sea-coast at the foot of the
 laevicollis Oliv. Peaseburn, Berwickshire; Dum-
 heteropunctata Meg. friesshire.

- X C. FUCATA *Fab.* Rothesay; Berwickshire; Dumfriesshire. 1856.
 gemellata Rossi.
 Hyperici Steph. (not *Kinder.*)
- X C. VARIANS *Fab. Steph.* Dollar; Linlithgow; Berwickshire; Dumfriesshire.
- X C. FULGIDA *Fab. Steph.* Forfarshire; Argyllshire; Arran. 1856.
 Graminis var. Manner.
 aurolimbata Besser.
- C. GRAMINIS *Lin. Steph.* Inveray. ^r? Mr. Blyth.
- X C. FASTUOSA *Lin. Steph.* Common on *Lamium album*—a very brilliant variety found in Orkney and Western Islands.
- X C. STAPHYLEA *Lin. Steph.* Not uncommon. 1886
- X C. POLITA *Lin. Steph.* Occasional.
- LINA (*Meg.*) *Redten.*
 MELASOMA (*Dillw.*)
 Steph.
- L. POPULI *Lin. Steph.* Rare. Near Edinburgh; Flisk; Dollar; Whittingham, East Lothian.
- L. AENEAE *Lin. Steph.* On alders near Kirkpatrick Juxta, and abundant on the south bank of the Whitadder, above the Retreat.
- GASTROPHYSA (*Chev.*)
 Redten.
 PHAEDON (*Meg.*) *Steph.*
- X G. POLYGOINI *Lin. Steph.* Common.
- X G. RAPHANI *Fab. Steph.* Common on dock leaves.
 viridula Oliv.
- PHRATORA (*Chev.*)
 Redten.
 PHAEDON *Steph.*
- X PH. VITELLINAE *Lin. Steph.* In great numbers on willow bushes.
 vulgatissima Lin.
 var. unicolor Marsh. Steph. Not common.

Kelvin side R.H. 1856.

Firth of Clyde, Mr. Somerville. 1856.

Perhaps mistaken for fulgida.

On species of *Talopsis* near Paisley R.H. 1856.

On mint by streams &c. Kilpatrick &c. 1856.

Not very common 1856.

Abundant at Kilmun & Sandbank 1856.

Common on Willows & Poplars. 1856.

Grassy places overflowed by tide Kilpatrick
On Cowparaprep. 1856.

Banks of Clyde, Mr. Young, 1856.

Paisley T. on Veronica Beccabunga. 1856.
Bute on *Callitriche palustris* not rare 1856
Paisley T. 1856.
occasional. 1856.

Rather plentiful on trees banks of the
Avon at Badgow in June. R.H. 1856.

PHAEDON (*Meg.*) *Redten.*

- X PH. BETULAE *Lin. Steph.* Near Edinburgh.
parvulus *Duft.*
- X PH. TUMIDULA *Kirby, Steph.* Common. Generally distributed.
confinis *Kirby.*
gomphoceros *Leach.*
concinna *Steph.?*
- X *Ph. amoracia*

HELLODES *Fab. Steph.*PHAEDON *Meg. Steph.*

- X H. VIOLACEA *Fab.* Edinburgh; Berwickshire; Dumfriesshire.
Beccabungae *Payk. Steph.*
- X H. PHELLANDRII *Lin. Steph.* Near Edinburgh; Dumfriesshire; Berwickshire.
- X H. MARGINELLA *Lin. Steph.* Not uncommon.
- X H. AUCTA *Fab. Steph.* Scarce. Near Edinburgh; Dollar; Berwickshire; Dumfriesshire; Glasgow; Aberdeenshire.

1856

GONIOCTENA (*Chev.*)*Dej. Redten.*SPARTOPHILA (*Chev.*) *Red.*CHRYSOMELA *Steph.*(SPARTOPHILA *Chev.*)

- X G. LITURA *Fab. Steph.* Common on broom.
var. flavicans *Oliv.*
- (GONIOCTENA *Chev.*)
- G. RUFIPES *Payk. Steph.* Raehills. Rev. W. Little.
fulvipes *Duft.*
10-punctata *Steph.* (not
Lin. Fab.)
- X G. PALLIDA *Fab. Steph.* Near Edinburgh; Roslin; Whittingham; Dollar; Berwickshire.

CLYTHRA *Laicharting.*

- C. LAEVIUSCULA *Ratzeb.* Black Forest, Rannoch. Dr Nelson.
quadripunctata *Laich.* (not
Lin. Fab. &c.)

CRYPTOCEPHALUS

Geoff.

- | | | |
|--|---|------------------------|
| C. SXPUNCTATUS <i>Lin. Steph.</i> | Raehills. | Rev. W. Little. |
| C. MORAEI <i>Lin. Steph.</i> | Sutherlandshire ; Berwickshire.
Mr James Wilson. | Mr Hardy. |
| X C. LINEOLA <i>Fab. Steph.</i>
dispar <i>Payk.</i> | Near Edinburgh.
<i>Ent. Edin.</i> | Rannoch.
Dr Nelson. |
| C. VITTATUS <i>Fab. Steph.</i> | Dalmeny Park. | Mr R. N. Greville. |
| X C. LABIATUS <i>Lin. Steph.</i> | Occasional at Raehills ; near Paisley. | |

FAMILY COCCINELLIDÆ.

CHILOCORUS *Leach,*
Muls.

- | | |
|--|---|
| C. BIPUSTULATUS <i>Lin. Steph.</i>
fasciatus <i>Müll. Herbst.</i>
frontalis <i>Thunberg.</i> | Near Edinburgh ; Craiglockhart ;
Raehills. |
|--|---|

EXOCHOMUS *Redten.*
Muls.

CHILOCORUS *Dej. Steph.*

- | | |
|---|--|
| X E. QUADRIPUSTULATUS <i>Lin.</i>
4-veirucatus <i>Fab. Steph.</i>
lunulatus <i>Zschach.</i>
Cassidioideus <i>Don.</i>
hæmatideus <i>Chev.</i> | Kinordy, Forfarshire ; Penmanshiel
wood, Berwickshire ; Raehills. |
|---|--|

ANISOSTICTA *Chev. Muls.*

COCCINELLA *Lin. Steph.*

- | | |
|---|---|
| A. NOVEMDECIMPUNCTATA
<i>Lin. Steph.</i> | Not common. Near Coates, and in
some other places to the west of
Edinburgh. <i>Ent. Edin.</i> |
|---|---|

MICRASPIIS *Chev. Muls.*

COCCINELLA *Lin. Steph.*

Near Inveray (Mrs Blyth, 1856. X

Plentiful on Birch 1856. X

16-jointed Family
14-jointed Family
11-jointed Family
10-jointed Family
9-jointed Family
8-jointed Family
7-jointed Family
6-jointed Family
5-jointed Family
4-jointed Family
3-jointed Family
2-jointed Family
1-jointed Family

SCYMNUS Key. Berlin
CORYMBUS Lat. Fab.
DIPLOPSIDAE
DIPLOPSIDAE

11-jointed Family
10-jointed Family
9-jointed Family
8-jointed Family
7-jointed Family
6-jointed Family
5-jointed Family
4-jointed Family
3-jointed Family
2-jointed Family
1-jointed Family

Paisley cross Mr. Young. 1856. X

11-jointed Family
10-jointed Family
9-jointed Family
8-jointed Family
7-jointed Family
6-jointed Family
5-jointed Family
4-jointed Family
3-jointed Family
2-jointed Family
1-jointed Family

For list of specimens see Catalogue of the British Museum

In damp places amongst Moss; rare. 1856.

On Scotch Firs; not rare near Paisley R.H. 1856.

- M. DUODECIMPUNCTATA *Lin.* Raehills. Rev. W. Little.
Steph.
saturata Gæze.
18-punctata Fuessly.
16-punctata Fourc.
11-punctata Gmelin.

HYPERASPIS *Chev. Muls.*COCCINELLA *Lin. Steph.*

- X H. RËPPENSIS *Herbst. Steph.* Cramond, near Edinburgh; Raehills; Torwood; Oban. *1856.*
 ♂ *bipustulata Thunb.*
 ♀ *nigra Zschach.*
 ♂ *xanthocephala Quensel.*
 ♀ *marginella Quens.*
marginella Fab.
 ♀ *Stigma Oliv.*
apicalis Dufour.

SCYMNUS *Kug. Redten,*
*Muls. Steph.*COCCINELLA *Lin. Fab.*TRITOMA *Panz.*SPHÆRIDIVM *Herbst.*

- S. NIGRINUS *Kugel. Steph.* Kinross-shire. Raehills.
minimus? Müll. A. Murray. Rev. W. Little.
ater Westm. Thunb.
morio Payk.

- S. ANALIS *Fab.* Rare. Raehills. Rev. W. Little.
ruficollis Oliv.
parvulus Illig. Lat. var. e.
abdominalis (Mus. Berl.)

- X S. DISCOIDEUS *Illig. Steph.* Near Edinburgh; Berwickshire;
suturalis Westm. Thunb. Dumfriesshire; Stirlingshire.
limbatus Kirby, Steph.
discipennis Sturm.
 var. *pusillus Müll.*
 — *atriceps Steph.*
 — *Pini (Byrrhus) Marsh.*
rufipes (Meg.)
plagiatus Kullbug, Thunb.
pilosus Herbst.

RHYZOBIOUS *Steph. Muls.*

NUNDINA *Dej. Redten.*

X R. LITURA *Fab. Steph.* Occasional.

var. hypomelanus (*Dermestes*) *Marsh.*

— Aurora *Panz.*

— coadnutus *Marsh.*

lividus *Oliv.*

chrysomeloides *Herbst.*

testaceus *Fab.*

fasciatus *Fab.*

pallidus *Marsh.*

Absinthii *Marsh.*

COCCIDULA *Kug. Red.*

Muls.

CACICULA *Steph.*

X C. RUF A *Herbst.* Occasional.

pectoralis *Fab. Steph.*

testacea *Kin. Thunb.*

rosea (*Silpha*) *Marsh.*

HIPPODAMIA *Chev.*

COCCINELLA *Lin. Steph.*

Redten.

H. TREDECIMPUNCTATA *Lin.* Scarce. Near Edinburgh. *Ent. Edin.*

Steph.

trinacris *Fourc.*

14-punctata *Don.*

IDALIA *Muls.*

COCCINELLA *Lin. Steph.*

X I. LIVIDA *De Geer.*

pallida *Thunb.*

obsoleta *Schneider.*

var. M-nigrum *Illig. Steph.* Kirkpatrick Juxta. Fir trees, Penmanshiel wood, Berwickshire.

X I. BIPUNCTATA *Lin.*

dispar *Illig. Steph.*

var. 4-pustulata *Scop. Lin.*

— 6-pustulata *Scut. Lin.*

Common. 1556

COCINELLA Linn. Syst. Nat.

Occasional near Glasgow, Paisley, &c. 1856.

X.C. QUINQUEPUNCTATA Linn. Common 1856

X.D. SEPTEMPUNCTATA Linn. Sept. Common 1856

X.C. VARIA F. Illig. Sept. Very common 1856

- 14-punctata Muller
- 15-maculata Fenzl
- subpunctata Schk.
- 16-punctata Thunb.
- 13-punctata var. Fair.
- 14-nervosa Schall. Sept.

17. cinctipennis Linn. Sept. Basille; Berninthal

Not uncommon in damp grassy places near Glasgow. 1856.

18. maculata Linn. Sept. Near Dalhousie; Basille

- 19-punctata Scop.
- 16-orientalis Fair.
- 14-globulata Fenzl. 175.

MYRMELE Linn.

Near Paisley 1856.

ANATIS Linn.

COCINELLA 1856

19. cinctipennis Linn. Sept. Basille; Berninthal

Renfrewshire, 1856.

In healthy places near woods. 1856.

Scotch Fir near Maryhill not rare
under bark in winter

Glasgow Green &c. 1856.

Renfrewshire & Lanarkshire. 1856.

COCCINELLA *Lin. Muls.**Steph.*X C. UNDECIMPUNCTATA *Lin.* Common.*Steph.**collaris Payk.*X C. QUINQUEPUNCTATA *Lin.* Common. 1856*Steph.*X C. SEPTEMPUNCTATA *Lin. Steph.* Common. 1856X C. VARIABILIS *Illig. Steph.*

Very common. 1856

14-punctata *Müller.*13-maculata *Frst.*subpunctata *Schrk.*13-notata *Thunb.*12-punctata var. *Zsch.*— *humeralis Schall. Steph.*C. CONGLOMERATA *Lin. Steph.* Raehills ; Berwickshire.X C. HIEROGLYPHICA *Lin. Steph.* Occasional.HARMONIA *Muls.*COCCINELLA *Lin. Steph.*H. IMPUSTULATA *Lin. Steph.* Near Dalkeith ; Raehills.*rosea De Geer.*16-punctata *Scopoli.*16-maculata *Fab.**conglobata Fourc. Oliv.*MYRRHA *Muls.*COCCINELLA *Lin. Steph.*X M. OCTODECIMGUTTATA *Lin.* Far from common. Near Edin-*Steph.*

burgh ; Raehills ; Berwickshire.

MYSIA *Muls.*COCCINELLA *Lin. Steph.*X M. OBLONGOGUTTATA *Lin. Steph.* Not scarce.ANATIS *Muls.*COCCINELLA *Lin. Steph.*X A. OCELLATA *Lin. Steph.*

Rare. Kinross-shire ; Aberdeen-shire ; Berwickshire.

CALVIA *Muls.*COCCINELLA *Lin. Steph.*

- XC. QUATUORDECIMGUTTATA Near Edinburgh; Berwickshire;
Lin. Steph. Ayrshire; Raehills, &c.
 1856.

HALYZIA *Muls.*COCCINELLA *Lin. Steph.*

- H. SEDECIMGUTTATA *Lin. Steph.* Roslin; Cramond; Raehills, &c.

THEA *Muls.*COCCINELLA *Lin. Steph.*

- T. PUNCTATA *Lin.*
 vigintiduopunctata *Lin.* Near Coates. *Ent. Edin.*
Steph.

LASIA *Hope, Muls.*COCCINELLA *Lin.*SUBCOCCINELLA *Huber.*CYNGETIS *Steph.*EPILACHNA *Redten.*

- L. GLOBOSA *Schneider, Steph.* Berwickshire; Raehills.
 24-punctata *Fab.*
 gibbosa *Dumeril.*
 25-punctata *Lin.*
 ♂ Saponariæ *Huber.*

 FAMILY LYCOPERDINIDÆ.
ENDOMYCHUS *Panz.*

- E. COCCINEUS *Lin. Steph.* Near Edinburgh; Musselburgh;
 Pressmenan wood, East Lothian,
 and Penmanshiel wood, Berwick-
 shire.

CALYVA

CALYVA Linn. Syst.

X. QUATROVITTATA Linn. Syst. Near Edinburgh: Davidson's; Ayr: Keshie, &c.

Cellars V.: Glasgow Ayrshire V.: 1856.

(Faint handwritten notes and bleed-through from the reverse side of the page)

THEA

COCCINELLA Linn. Syst.

T. PUNCTATA Linn.

viridula-punctata Linn. Near Glasgow: Davidson's.

THEA Hope, Mus. 520

COCCINELLA Linn.

HYPERICUM Linn.

COCCINELLA Linn.

COCCINELLA Linn.

L. GLOMERATA Linn. Syst. Near Edinburgh: Davidson's.

L. GLOMERATA Linn.

L. GLOMERATA Linn.

L. GLOMERATA Linn.

L. GLOMERATA Linn.

520

FAMILIA LYOPHAGIDAE

ENDOMYCHUS

E. COCCINATUS Linn. Syst.

Near Edinburgh: Mossburn; Farnham wood, East Lothian; and Penmanshall wood, Ayrshire.

FAMILY BLAPSIDÆ.

BLAPS *Fab.*X B. MORTISAGA *Lin. Steph.* Generally distributed.

This insect is said not to be the true mortisaga but the Obtuse of Fabricius; Tho' Mr. Bold in Cat. Col. Durham of Northumberland says he has the mortisaga (spec) from Scotland. p. 169. 1856

FAMILY OPATRIDÆ.

PHILAX (*Meg. Dej.*) *Brullé.*PHYLAX *Steph.*X PH. CRENATUS *Dej.*
gibbus *Bonelli, Steph.*Ayrshire.

Southernness.

Mr J. P. Duncan.

Sir Wm. Jardine.

1858

BOLITOPHAGUS *Illig. Fab.*B. RETICULATUS *Lin.*
crenatus *Fab.*
gibbus *Panz.*

Black Forest, Rannoch. Mr R. Weaver.

FAMILY TENEBRIONIDÆ.

HETEROPHAGA *Dej.*
*Redten.*ALPHITOBIUS *Steph.*X H. FAGI *Panz. Duft.*
Oryzæ Herbst.
picipes Steph.
*mauritanica Dej. Steph.?*In a loaf in Glasgow.

Mr Hislop. 1856

TRIBOLIUM *M^cLeay, Steph.*STENE *Steph.*COLYDIUM *Herbst.*T. CASTANEUM *Herbst. M^cL.* Edinburgh, (probably introduced.)
Steph.

A. Murray.

ferrugineum Fab. Steph.
testaceum Fab.

TENEBRIO *Lin. Steph.*

- X T. MOLITOR *Lin. Steph.* Edinburgh, &c.
 X T. OBSCURUS *Fab. Steph.* Edinburgh; between Leith and
 Portobello; Dunse.

FAMILY HELOPIDÆ.

HELOPS *Fab.*

- H. CÆRULEUS *Lin. Fab. Steph.* Near Edinburgh. *Ent. Edin.*
chalybeus Oliv.
violaceus Marsh.
 X H. CARABOIDES *Panz. Steph.* Scarce. Near Edinburgh; Dalkeith;
striatus Oliv. Raehills; Little Ross; Kirkcud-
Dermestoides Illig. brightshire.

FAMILY CISTELIDÆ.

CISTELA *Fab.*

- X C. MURINA *Fab. Steph.* Common. 1856
variabilis Dahl.
Reppensis Herbst.
Maura Fab.
fusca Marsh.

FAMILY SERROPALPIDÆ.

MELANDRYA *Fab.*

- M. CARABOIDES *Lin. Steph.* Woods about Ormiston, and near
servata Fab. Sturm. Musselburgh. *Ent. Edin.*
 PYTHO *Lat.*
 P. DEPRESSUS *Lin.* Black Forest, Rannoch, Perthshire.
cœruleus Panz. Mr Weaver and Dr Nelson.
castaneus Panz.

Paisley. 1856.
Glasgow & Paisley, 1856. Mr. Blyth

X
X

FAMILY MORDELLIDÆ.

Acan (Mr. J. P. M. Morland. 1856. X

MORDELLA Linn.

M. ACULEATA Linn. Steph.

Very scarce. Taken near Roath.

ANASPIDÆ Geoff.

A. FUSCICORNIS Linn. Steph.

New Edinburgh.

A. MACULATA Linn. Steph.

Common in ...

A. ...

New Edinburgh, Scotland.

DIRCÆA *Fab.*

- D. DISCOLOR *Fab.* Black Forest, Rannoch, Perthshire.
lævigatus Hellenius. Mr Weaver.
Buprestoides Payk.
rufipes Besser.

ORCHESIA *Lat. Steph.*HALLOMENUS *Payk.*

- X O. MINOR *Walker, Steph.* New Lanark. Mr Walker. 1856.

FAMILY MORDELLIDÆ.

SCRAPTIA *Lat.*SERROPALPUS *Illig.*

- S. FUSCA *Lat. Steph.* Kirkpatrick Juxta. Rev. W. Little.
sericea (Dircæa) Sch.

RIPIPHORUS *Fab.*METÆCUS *Dej.*

- X R. PARADOXUS *Lin. Steph.* Very scarce. Near Edinburgh; wall
angulatus Weib. at Barnton Park in Sept.; Roslin;
 Ormiston; Bothwell Castle. 1856

MORDELLA *Lin.*

- M. ACULEATA *Lin. Steph.* Very scarce. Taken near Roslin.
Ent. Edin.

ANASPIS *Geoff.*

- X A. FRONTALIS *Lin. Steph.* Near Edinburgh; Dalkeith Park;
atra Fallen. Berwickshire.

- X A. RUFICOLLIS *Geoff. Fab. Steph.* Occasional.
 (not *Stev.*)
fuscicollis Sturm.

- X A. FUSCESCENS *Steph.* Near Edinburgh. A. Murray.

- X A. MACULATA *Geoff. Dej.* Common in summer.
obscura Gyll.
melanopa Forst. Steph.

- A. FASCIATA *Forst. Steph.* Near Edinburgh; Nenthorn, Ber-
nigricollis Marsh. wickshire.
var. biguttata Marsh. Steph. Dalkeith Park. A. Murray.

FAMILY CANTHARIDES.

MELOE *Lin.*

- X M. PROSCARABEUS *Lin.* Occasional. Near Edinburgh ;
 vulgaris (*Proscarabeus*) Musselburgh ; Water of Leith ;
Steph. near Glasgow. 1856
 ♀ punctata *Panz.*
 Brunsvicensis *Meyer.*
 tectus *Leach.*
 atratus *Meyer.*
 rugipennis *Mannerh.*
 Tauricus *Dej.*
 Volgensis *Tauscher.*
 cyanellus *Dej.*
 Gallicus *Dej.*
- † X M. VIOLACEUS *Marsh. Gyll.* Isle of Jura. 1856 Mr Hislop.
Steph.
 proscarabeus *Panz. Rossi. Lat.*
 similis *Marsh.*
 Aprilinus *Meyer.*

FAMILY RHINOSIMIDÆ.

SALPINGUS *Illiger.*
 SPHAERIESTES *Curtis,*
Steph.

- X S. ATER *Gyll. Steph.* Near Edinburgh ; Berwickshire ;
 Cramond ; Raehills ; Glasgow
- X S. FOVEOLATUS *Lin. Steph.* Dalmeny ; Cramond ; Raehills ; Kin-
 ross-shire ; Berwickshire.

RHINOSIMUS *Lat.*SALPINGUS *Gyll. Steph.*

- R. ÆNEUS *Oliv.* Near Edinburgh. Dr Greville.
- X R. ROBORIS *Fab.* Scarce. Berwickshire ; Aberdeen-
 ruficollis *Herbst. Gyll. Steph.* shire.
 rostratus *De Geer.*
- X R. PLANIROSTRIS *Fab. Steph.* Occasional.
 fulvirostris *Payk.*
- X R. RUFICOLLIS *Panz. Steph.* Raehills. Paisley.
 viridipennis (*Zeigl.*) Rev. W. Little. Mr M. Young.

FAMILY ANTHICIDÆ

NOTOXUS Geoff.

Kelvin side & Tolcross in may. 1856. X
Monkton 1856.

ANTHICUS Geoff.

X A. ruficornis Fab. *Myk.*
Fœtus Mærk. *Staph.*
Pedicularis *Schrk.*
Formicoides *Forsk.*
Myrmecophilus *Staph.*

Anna Purdie (M.D.) Young 1856
Near Edinburgh; common at Glasgow.
Keaps. 1856

X†

Myrmecophilus
Mærk. *Staph.*
Fœtus *Mærk.*
Pedicularis *Schrk.*
Formicoides *Forsk.*
Myrmecophilus *Staph.*

Myrmecophilus Aberdeen-shire.
Mr A. Maitland

X A. ruficornis Geoff.

Myrmecophilus Ellpatrick, Dumfriesshire. 1856

Not common. 1856. X

Paisley 1856. X

Near Glasgow & Paisley 1856

FAMILY SOYRINIDÆ

Leamilton; Kelvinside; east of Garngad Hill
generally under bark of Beech. 1856.

Not uncommon 1856. X

Seemingly rare. 1856. X

FAMILY CANTHARIDAE.

NELOE Lin.

X M. PUNCTATUS Lin.

1818. 1819. 1820. 1821. 1822.

1823. 1824. 1825. 1826. 1827.

1828. 1829. 1830. 1831. 1832.

1833. 1834. 1835. 1836. 1837.

1838. 1839. 1840. 1841. 1842.

1843. 1844. 1845. 1846. 1847.

1848. 1849. 1850. 1851. 1852.

1853. 1854. 1855. 1856. 1857.

1858. 1859. 1860. 1861. 1862.

1863. 1864. 1865. 1866. 1867.

1868. 1869. 1870. 1871. 1872.

1873. 1874. 1875. 1876. 1877.

1878. 1879. 1880. 1881. 1882.

1883. 1884. 1885. 1886. 1887.

1888. 1889. 1890. 1891. 1892.

1893. 1894. 1895. 1896. 1897.

1898. 1899. 1900. 1901. 1902.

1903. 1904. 1905. 1906. 1907.

1908. 1909. 1910. 1911. 1912.

1913. 1914. 1915. 1916. 1917.

1918. 1919. 1920. 1921. 1922.

1923. 1924. 1925. 1926. 1927.

1928. 1929. 1930. 1931. 1932.

1933. 1934. 1935. 1936. 1937.

1938. 1939. 1940. 1941. 1942.

1943. 1944. 1945. 1946. 1947.

1948. 1949. 1950. 1951. 1952.

1953. 1954. 1955. 1956. 1957.

1958. 1959. 1960. 1961. 1962.

1963. 1964. 1965. 1966. 1967.

1968. 1969. 1970. 1971. 1972.

1973. 1974. 1975. 1976. 1977.

1978. 1979. 1980. 1981. 1982.

1983. 1984. 1985. 1986. 1987.

1988. 1989. 1990. 1991. 1992.

1993. 1994. 1995. 1996. 1997.

1998. 1999. 2000. 2001. 2002.

2003. 2004. 2005. 2006. 2007.

2008. 2009. 2010. 2011. 2012.

FAMILY RHINOSINIDAE.

SALPINGUS Hal.

1811. SPHARINX Hal.

X S. STELLATUS Hal.

X S. MACULATUS Hal.

RHINOSINUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

SALPINGUS Hal.

Roseneath in Spring. 1866.

FAMILY ANTHICIDÆ.

NOTOXUS *Geoff.*N. MONOCERUS *Lin. Steph.*

Guillane Links, in plenty at the roots
of *Arundo arenaria*. Mr Syme.
Also on the sea-coast at Cock-
burnspath. Mr Hardy.
And near St Andrews. Mr H. Goodsir.

X A. ANTHICUS *Geoff.*

X A. ~~anthicus~~
X A. FLORALIS *Fab. Payk.*
fuscus *Marsh. Steph.*
Pedicularius *Schrk.*
Formicoides *Fourc.*
Myrmecocephalus *Rossi.*
calycinus *Panz.*
Formicarius *Oliv.*
Umbellatorum *Dej.*
basalis *Villa.*

New Paisley Mr. Young 1856
Near Edinburgh; common at dung-
heaps. 1856

A. ATER *Panz. Payk.*
Morio *Dej.* (not *Laferté.*)
fuscicornis *Dej.*
luteicornis *Dej.*
unicolor *Dej.*

Raehills. Aberdeenshire.
Rev. W. Little. Mr A. Blake.

X A. HUMILIS *Germ.*
Bremeri *Laf.*
riparius *Dej.*

Kilpatrick, Dumbartonshire. 1856
Mr Hislop.

FAMILY SCYDMÆNIDÆ.

SCYDMÆNUS *Lat.*

X S. PUSILLUS *Müll. Steph.* Generally distributed.
var. minutus *Gyll.* (not *Panz.*)
Panzeri *Dej.*
collaris *Keuz.*
nigripes *Marsh.*

S. ELONGATUS *Müll. Steph.* Raehills. Rev. W. Little.

- S. TARSATUS Müll. *Lap.* (*Eumi-* Dumfriesshire.
erus.)
 Hellwigii Lat.
 minutus Panz. (not Gyll.)

FAMILY PSELAPHIDÆ.

PSELAPHUS *Herbst.* *Reich. Steph.*

- ✕ P. HEISII *Herbst.* Raehills. Rev. W. Little.
 Herbstii *Erich. Steph.*

BRYAXIS *Leach, Steph.*

- B. SANGUINEA *Fab. Steph.* Raehills. Rev. W. Little.
 longicornis *Leach.*
 ♂ laminata *Motsch.*

- B. JUNCORUM *Leach, Steph.* Near Penmanshiel, Berwickshire.
 Mr Hardy.

- B. IMPRESSA *Panz.* Raehills. Rev. W. Little.

- ✕ B. ^{tripunctata Kirby}
~~pussulata Leach~~
 TYCHUS *Leach, Denny,*
Aubé, Steph.

- ✕ T. NIGER *Payk.* Raehills. Rev. W. Little.

BYTHINUS *Leach, Denny,* *Aubé, Steph.*

ARCOPAGUS *Leach. Steph.*

- ✕ B. GLABRICOLLIS *Reich. ♂ Grich.* Raehills. Rev. W. Little.
 clavicornis *Panz.*

- B. PUNCTICOLLIS *Denny, Steph.* Raehills. Moss near Penmanshiel,
 Berwickshire.
 ♂ Chevrolatii *Aubé,*
 regularis *Schmidt.*

- B. BULBIFER *Reich.* Aberdeenshire. Mr Hardy.
 ♀ glabricollis *Gyll. Aubé.*

- B. CURTISII *Leach.* Raehills. Rev. W. Little.

- B. SECURIGER *Reich. Steph.* Raehills. Rev. W. Little.
 macropalpus *Aubé.*
 globulipalpus *Aubé.*

Chalcid
June 1856

In woods near Craiglockhart
Paisley, W. Yorks. 1856

EUPLECTUS Linn.
No. 1, 2, 3

Chalcid
Kitty Dewey
Insects No. 1
June 1856

Cramond; near Penningh, For-
wickshire.

Chalcid near Leuch, Forth, Berwickshire; Dumfriesshire;
Starythoides Körö.

Perofrewshire 1856.

YAPRYNIDE.

X

ARMEDONIA Linn.

ALCOCHARA Linn.

ASPIDES Linn.

DRACULA Linn.

Chalcid near Leuch, Forth, Berwickshire; Dumfriesshire;
Starythoides Körö.

Paisley m^{rs} Young. 1856.

+ X B... ..

Hamilton. 1856.

+ X

Hamilton & Blantyre not uncommon 1856.

FALAGIA Linn.

Chalcid near Edinburgh: Glasgow, 1856

Substr. var. h. Gyl. Sept.

July 1856

July 1856

near Paisley, 1856

B.

B.
1851

FAMILY PSELAPHIDÆ

PSELAPHUS Herbst
Roch. Steph.

X P.
Herbst Roch. Steph.

BRYAXIS Leach, Steph.

B. SANGUINEA Fab. Steph.
Leach Roch. Steph.

Not uncommon Blantyre Paisley N. 1856

B.
Leach

B.
Leach, Steph.

BYTHINUS Leach, Steph.

Kelvin, Cathcart, sometimes found in dead animals

Killermont. 1856.

B.
1851

B.

B.
1851

- X B. *BURRELLII* Denny. In moss from Craiglockhart.
luniger Aubé. Paisley. Mr Young. Dr Greville.
 EUPLECTUS Leach, 1856
Kirby, Steph.
- E. *SIGNATUS* Reich. Cramond; near Penmanshiel, Ber-
Kirby Denny. wickshire.
unicolor Kirby.
nanus Aubé.
- E. *REICHENBACHII* Leach, Steph. Berwickshire; Dumfriesshire.
Staphylinoides Kirby.

FAMILY STAPHYLINIDÆ.

MYRMEDONIA Erichson.

- ALEOCHARA* Grav. Lat.
ASTILBUS Dill. Steph.
DRUSILLA Leach, Mannerheim.
ZYRAS Steph.
PELLA Steph.

- X M. *CANALICULATA* Fab. Erich. Heaths, and on the sea-coast; occa-
Steph. sionally in ants' nests.
- M. *LIMBATA* Payk. Erich. Steph. Sea - coast near Cockburnspath, in
divisus Marsh. nests of *Formica flava.* Mr Hardy.
lævis Grav.
foveicollis Dej.
- M. *COLLARIS* Payk. Erich. Steph. Lurgie loch, near Hume, Berwick-
(Bolitochara.) shire. Mr Hislop.
- AUTALIA* Leach, Steph.
Erich.
- X A. *IMPRESSA* Oliv. Steph. Erich. In fungi. Queensferry; Dalmeny;
plicata Kirby, Steph. Berwickshire; Kinross-shire.
ruficornis Kirby, Steph.
- X A. *RIVULARIS* Grav. Steph. Penmanshiel; Glasgow; Girrick, &c.
Erich.
aterrima Steph.
angusticollis Steph.
- FALAGRIA* Leach, Erich.
- X F. *SULCATULA* Gravenh. Steph. Near Edinburgh; Glasgow. 1856
Illust.
Sulcata var. b. Gyll. Steph.
Man.
polita Curtis.
- X F. *OBSCURA* Gravenh. Near Paisley. 1856 Mr Young.
 H

BOLITOCCHARA *Mannerh. Erich. Steph.*

- X B. LUNULATA *Payk. Steph. Erich.* Under bark. Howpark dean, and near Mellerstain, Berwickshire; Glasgow.
- X B. OBLIQUA *Erich. Steph.* Under bark. Near Edinburgh; Berwickshire and East Lothian; Glasgow.
- OCALEA *Erich. Steph.*
- X O. PICATA *Kirby, Steph. castanea Erich.* Berwickshire; Edinburgh; Aberdeenshire.
- CALODERA *Mannerh. Erich. Steph.*
- X C. NIGRICOLLIS *Payk. Erich. Steph.* Rare. South Queensferry; Simprim, Berwickshire, &c.
- X C. LONGITARSIS *Kirby, Erich. Steph. (Ischnopoda.)* Not uncommon.
- TACHYUSA *Erich.*
- T. UMBRATICA *Erich. foveola Leach, Steph. (Bolitochara.)* Berwickshire and Aberdeenshire. Mr Hardy.
- T. FRONTALIS *Kirby, Steph. (Ischnopoda.) immunita Erich. ?* Banks of streams, Berwickshire; Aberdeenshire. Mr Hardy.
- T. FLAVITARSIS *Sahlberg, Hardy.* Rare. Presmennan lake, East Lothian. Mr Hardy.
- T. CARBONARIA *Mannh. Hardy.* Rare. Border of a pond near Swinton Hill, Berwickshire. Mr Hardy.
- PHLÆOPORA *Erich.*
- X PH. CORTICALIS *Gravenh. tenuis Gravenh.* Glasgow; Raehills. 1856
- HOMALOTA *Erich.*
- CALLICERUS *Grav.*
- BOLITOCCHARA *Steph.*
- H. GRAMINICOLA *Grav. Erich. Steph. linearis Gyll. longuiscula Gyll. longicornis var. b. Gyll. mæsta Zetterstedt. fracticornis Lacord. rufitarsis Kirby, Steph.* Berwickshire; Aberdeenshire; Kinross-shire.

SOLITARIARI

Webb, Erich Steph.

XI. *MONILATA* Pugh, Steph.
Erich.

Coates Park, 1847. *Barwickshire*

XII. *MONILATA* Erich, Steph.

Coates Park, 1847. *Barwickshire*

SCALIA Erich, Steph.

XIII. *PIGATA* Kirby, Steph.
ESSENTIA Erich.

Barwickshire

CALODERA Marshall

Erich, Steph.

XIV. *NISSAGALLIS* Pugh, Erich.
Steph.

Race, South Queensferry, 1847. *Barwickshire*

XV. *LONGITARSIS* Kirby, Erich.
Steph. (*Technopoda*.)

North Queensferry, 1847. *Barwickshire*

TACHYUSA Erich

T. *UMBRATICA* Erich.
Kew's Loch, Steph.
(*Polyporus*.)

Barwickshire and Aberdeenshire.
1847.

T. *SPINULATA* Kirby, Steph.
(*Technopoda*.)

Banks of stream, Barwickshire;
Aberdeenshire. 1847.

Parngad Hill 1846

I. *CARDONARIA* Marshall.
Hedy.

Race, Drummond Lake, East Lothian. 1847.

PHLEOPORA Erich

XVI. *CORTICALIS* Groenl.
Jennis Groenl.

Glasgow: Barwick, 1847.

HOMALOTA Erich

GALLICORUS Grav.
DOLYCHOMARA Steph.

H. *GRAMINICOLA* Grav. Erich.
Steph.

Barwickshire; Aberdeenshire; Kinrossshire.

- linearis* Gyll.
- longicauda* Gyll.
- longicornis* var. h. Gyll.
- ovata* Zetterstedt.
- fracticornis* Lucard.
- rusticaria* Kirby, Steph.

- H. VICINA Kirby, Steph. Not common. Penmanshiel; Kinross-shire.
 umbonata Erich.
- H. ELONGATULA Grav. Erich. Swampy places. Penmanshiel; Girrick.
 Steph.
 terminalis Grav.
 teres Grav.
 complana Mannerh.
 oblonga Lacord.
 exilis Mannerh.
 planiuscula Mannerh.
 depressiuscula Mannerh.
 elongata Kirby, Steph.
- H. ANGUSTULA Gyll. Erich. Rare. Banks of the Eye, Berwickshire. Mr Hardy.
 Steph.
 pilosella Steph.
 linearis var. Grav.
- XH. CIRCELLARIS Grav. Erich. Beneath stones on moors, &c. Common.
 Steph.
 cingulata Kirby, Steph.
 ochropa Kirby, Steph.
 contigua Kirby, Steph.
- H. RUFESCENS Kirby, Steph. Not common; under bark, and in Polyperi, Berwickshire; Aberdeenshire; Kinross-shire.
 Illust.
 circellaris var. Steph. Man.
 var. nigricans Kirby, (Steph. Cat.)
- XH. BRUNNEA Fab. Erich. Steph. In fungi. Howpark dean, and Mellerstain, Berwickshire; Dalmeny.
 depressa Gyll.
 nigriceps Marsh.
 cinnamomea Steph. Illust.
 zonalis Kirby, Steph.
 atriceps Kirby, Steph.
 thoracica Steph.
- H. SERICANS Grav. Gyll. Heer. Under sea-weed, and between fissures of rocks near high-water mark, Berwickshire; shores of Forth.
 Erich.
 socialis var. Erich.
- H. SOCIALIS Payk. Erich. Steph. In fungi, &c. Common.
 Boleti Grav.
 sordidus Marsh.
 castanoptera Mannh.
 longicornis Gyll.
 nigracula Grav.
 euryptera Steph.
 pallidipennis Kirby.
 xanthoptera Kirby, Steph.
 femorata Marsh. Steph.

H. AUTUMNALIS *Erich. Hardy.* Moist places. Edinburgh; East Lothian; Peterhead; Berwickshire; Kinross-shire.

H. PUSILLA *Grav. Steph.* Raehills. Rev. W. Little.

H. ANALIS *Grav. Erich. Steph.* Under stones on heaths, &c. Common.
bifoveolata Mannh.
inquinula Kirby, Steph.
foveolata Kirby, Steph.
venustula Wilkin.
nigro-fusca Kirby, Steph.

H. CAUTA *Erich. Hardy.* Not uncommon.

H. CELATA *Erich. Hardy.* With the preceding.

H. LONGICORNIS *Grav. Erich. Steph.* Not common. Berwickshire; Aberdeenshire; Kinross-shire.

validicornis Mannh.

consimilis Kirby, Steph.

fumosa Wilkin.

X H. LIVIDIPENNIS *Mannh. Erich. Steph.* Edinburgh district; Berwickshire; Kinross-shire; Glasgow. 1856

livida Erich. (Oxyпода.)

H. FUNGI *Grav.* Edinburgh district. Dr Greville.

xanthopa Kirby, Steph.

tricolor Kirby, Steph.

H. HYGROPHILA *Hardy.* Borders of streams. Berwickshire; Kinross-shire; Aberdeenshire; Edinburgh district.

H. FOVEATOCOLLIS *Kirby, Steph.* Taken in Scotland by Messrs Turner and Hooker.

Steph. Illust.

OXYPODA *Erich. Steph.*

O. RUFICORNIS *Grav.? Steph.* Raehills. Rev. W. Little.

X O. UMBRATA *Gyll. Erich. Steph.* Dalmeny; Berwickshire; Kinross-shire; Glasgow.

X O. LONGIUSCULA *Grav. Erich. Steph.* Peasedean, Berwickshire; Glasgow.
procerulea Mannh.

X O. ALTERNANS *Grav. Erich. Steph.* Edinburgh district; Berwickshire; Kinross-shire, &c.
concinna Leach, Steph.

O. TESTACEA *Erich. Hardy.* Beneath bark of fir, Penmanshiel wood, Berwickshire. Mr Hardy.

O. BREVICORNIS *Kirby, Steph. Erich.* Penmanshiel; near Edinburgh.
cuniculina Erich.

ALBOCHARA Gray, Brich.
Steph.

UKLANOTA Steph.

POLYTRICHA Steph.

in concave of ...

N.A. PUNICIPLES For. Brich. High. ...
late Gray.
rocky Kirby.

A. BRUVIPENNIS Gray, Brich. Near Edinburgh.

Steph.

A. glaucop.

canivora Gyll.

N.A. NITIDA Gray, Brich. Steph. Generally distributed. 1856

bilimata Gyll.

limaculata Kirby.

negutula Kirby.

agilis Kirby.

curvata Kirby, Steph. Holm.

N.A. XANTHOPUS Gray, Brich. Common, 1856

Steph.

A. MONETA Gray, Brich. Steph. Common.

funata Gyll.

hamorrhoidalis Marsh.

concolor Kirby, Steph.

A. BRYOCORNIS Gray, Brich.

Dillon Kirby, Steph.

Rare. Comophine; South Queens-

bery; Pennsylv. 1856.

N.A. MUNICE Gray, Brich. Steph. Not very common.

virgata Marsh, Steph.

minuta Kirby.

agilis Kirby.

Brachytrichia 1856.

♥ Paisley. 1856.
+ Paisley 1856.

Brich. ... sea-weed; frequent

near Glasgow 1856.

N.A. ...
Steph.

Among sand, beneath sea-weed
sea-coast near Cockburnspath.

In carcasses frequent, 1856.

H. ANTHRAKIS Erich. Hardy. Moss plains. Edinburgh; East Lothian; Falkland; Berwickshire; Aberdeenshire.

H. CAPTA Erich. Hardy.

H. SERRATA Erich. Hardy.

H. LONGICORNIS Grav. Erich. Steph.

validicornis Macan.

conimilis Kirby, Steph.

juncea Willm.

X. B. IRVINGII Macan. Erich. Edinburgh; Glasgow; Berwickshire; Kinross-shire; Dundee.

Irish Erich. (Cynipid.)

H. FLAVA Grav.

barbata Kirby, Steph.

tricolor Kirby, Steph.

H. HYALINELLA Hardy.

Borders of streams. Berwickshire; Kinross-shire; Aberdeenshire; Edinburgh district.

Perthshire 1856.

Taken in Scotland by Robert Turner and Hector Macgillivray.

OXYPODA Erich. Steph.

O. RUFICORNIS Grav. f. Steph.

XO. UMBRATA Gyll. Erich. Steph. Dalrymple; Berwickshire; Glasgow.

XO. LONGICORNIS Grav. Erich. Steph. Fifehead, Berwickshire; Glasgow.

procutis Macan.

XO. ALTERNANS Grav. Erich. Steph. Edinburgh; Berwickshire; Kinross-shire, &c.

concolor Leach, Steph.

O. TESTACEA Erich. Hardy. Beneath bark of fir, Fifehead wood, Berwickshire.

O. MELVICORNIS Kirby, Steph. Fifehead; near Edinburgh. unicolor Erich.

ALEOCHARA *Grav. Erich.**Steph.*CERANOTA *Steph.*POLYSTOMA *Steph.*

✕A. FUSCIPES *Fab. Erich. Steph.* Edinburgh; Berwickshire.
lata Grav.
recurva Kirby.

A. BREVIPENNIS *Grav. Erich.* Near Edinburgh.
Steph.

A. Murray.

carnivora Gyll.

✕A. NITIDA *Grav. Erich. Steph.* Generally distributed. 1856
bilineata Gyll.
immaculata Kirby.
biguttula Kirby.
agilis Kirby.
Cursor Kirby. Steph. Holme.

✕A. LANUGINOSA *Grav. Erich.* Common. 1856
Steph.

A. MÆSTA *Grav. Erich. Steph.* Common.
fumata Gyll.
hæmorrhoidalis Marsh.
concolor Kirby, Steph.

A. RUFICORNIS *Grav. Erich.* Rare. Corstorphine; South Queens-
Daltoni Kirby, Steph. ferry; Penmanshiel wood.

✕A. MORION *Grav. Erich. Steph.* Not very common. Berwickshire.
exigua Mannh. Steph. Mr Hardy.
minutula Kirby.
pusilla Kirby.

A. OBSCURELLA *Grav. Erich.* Beneath sea-weed; frequent.
Steph.

sericea Leach, Steph.
dubia Steph.?
micans Kirby, Steph.
Kirbyi Steph.

PHYTOSUS *Rudd.*
Steph. Erich.

PH. SPINIFER *Rudd, Steph.*
Erich.

Among sand, beneath sea-weed;
 sea-coast near Cockburnspath.
 Mr Hardy.

DIGLOSSA *Haliday, Steph.*

- D. MERSA *Hal. Steph.* Taken along with *Micralymma brevipenne*, between layers of shale under high-water mark, at South Queensferry. A. Murray.

OLIGOTA *Mannh. Erich.*
Steph.

- O. PUSILLIMA *Grav. Erich.* Rare. Penmanshiel. Mr Hardy.
Steph.

GYROPHÆNA *Mannh.*
*Erich. Steph.*ENCEPHALUS *Steph.*

- X G. COMPLICANS *Kirby, Steph.* Dalmeny; Penmanshiel wood.
Erich.

- X G. NANA *Payk. Erich. Steph.* Stirlingshire. 1856 Mr R. N. Greville.
nitidula Lacord.
fasciata Marsh.

- X G. BOLETI *Lin. Erich. Steph.* In agarics. Edinburgh; Howpark
(Bolitochara.) dean, Berwickshire.

PLACUSA *Erich.*

- P. HUMILIS *Erich.* Near Edinburgh. A. Murray.

MYLLÆNA *Erich. Steph.*CENTROGLOSSA *Matthews,*
Steph.

- M. DUBIA *Mannh. Erich.* Borders of gravelly streams. Ber-
Steph. wickshire; East Lothian; and
Conuroides Matthews, Edinburgh district.
Steph.

- X M. MINUTA *Grav. Erich. Steph.* In Sphagnum, Coldingham moor,
Berwickshire. Mr Hardy.

- M. GRACILIS *Heer, Hardy.* Penmanshiel wood, Berwickshire,
and in Aberdeenshire. Mr Hardy.

GYMNUSA *Karsten, Erich.*
Steph.

G. HYPOCYPIUS N. & S. One specimen - border of a stream-
let, Forth, 1856.

G. HYPOCYPIUS N. & S. One specimen - border of a stream-
let, Forth, 1856.

Great Gully, Sept.

XII. *LONGICORNIS* N. & S. In Forth, 1856.

acuminatum (Scop.)

N. & S.

graculum Grav.

rufipes Steph.

piculum Grav.

near Glasgow 1856.

Naikills; Forth; Northern

X

H.

Stillermont 1856.

A. Edinburgh; Polmont.

X

pubescens F.

montana Grav.

W. ...

fulvipes Steph.

XIII. *...* Near Northern; Dumbarton 1856.

sericans Grav.

var. *testaceus* Fab. (*...*)

var. *Marschali* Steph.

XIV. *...* On the ...

...

...

Robroyston & Paisley 1856.

...

...

...

... var. ...

... Marsch.

var. ? *... Steph.*

X

DIGLOSSA *Muls.*, *Steph.*

D. nana *Steph.*

Taken along with *Microgaster*
longicauda, between layers of
sandstone & shale, near
Berwickshire, Scotland.

1851. H. S. n. 1111

OLIGOTA *Muls.*, *Steph.*

Perthshire 1856.

GYROPHLENA *Muls.*

Erich., *Steph.*

ENCEPHALUS *Steph.*

X G. COMPLICANS *Kütz.*, *Steph.*

near Berwickshire

X G. NANA *Steph.*, *Erich.*, *Steph.*
nitida *Loew.*
foveata *Muls.*

1851. H. S. n. 1111

X G. BOLINI *Loew.*, *Erich.*, *Steph.*
(Hedichera)

In species
near Berwickshire

ELACUSA *Erich.*

E. murina *Steph.*

Near Edinburgh

MYLENA *Erich.*, *Steph.*

CENTROGLOSSA *Muls.*

Bothwell; 1856.

*Edges of gravelly streams, Fife
shire, East Lothian, and
Edinburgh district*

Compositae *Muls.*,
Steph.

X M. MINUTA *Grav.*, *Erich.*, *Steph.*

1851. H. S. n. 1111

M. oracris *Hess.*, *Hardy.*

*Occasional - wood, Berwickshire,
and in Aberdeenshire*

CYNOBIA *Karsten.*, *Erich.*

Steph.

G. BREVICOLLIS *Payk. Erich.* One specimen—border of a stream-
Steph. let, Penmanshiel wood. Mr Hardy.
carnivora Grav.

G. ~~variegata~~ *excusa Grav. Heisenwetter (Léban R.H. 1856)*

HYPOCYPTUS *Schüp.*
Erich.

CYPHA *Kirby, Steph.*

X H. LONGICORNIS *Payk. Erich.* In fungi, &c. Common.
Steph.

acuminatum (Scaphidium)

Marsh.

granulum Grav.

rufipes Steph.

globulus Lacord.

H. LEVIUSCULUS *Mannh. Erich.* Raehills; Penmanshiel; Nenthorn.
Steph.

longicornis var. b. Gyll.

H. PARVULUS *Steph.*

Raehills.

Rev. W. Little.

CONURUS *Erich. Steph.*

C. LITTOREUS *Lin. Erich. Steph.* Edinburgh; Polmont.

cellaris Fab.

pubescens Ph.

tomentosus Rossi.

bimaculatus Fab. (Oxyporus.)

angularis Steph.

X C. PUBESCENS *Grav. Erich.* Near Nenthorn; Dumbarton. 1856
Steph. Mr Hislop.

sericeus Lacord.

var. *testaceus Fab. (Oxyporus.)*

var. *Marshami Steph.*

X C. PYRRHOPTERUS *Steph.* On the sea-coast. Common.

lividus Erich.

obscuripennis Kirby, Steph.?

TACHYPORUS *Knoch.*

Erich. Steph.

X T. OBTUSUS *Lin. Erich. Steph.* Common. 1856

analisis Fab.

vernalis Müller.

dispar var. γ Ph.

chrysomelinus var. 2, Walk.

melanurus Marsh.

var. ? *nitidicollis Steph.*

- X T. HYPNORUM *Fab. Erich. Steph.* Common.
 nitidulus Fab. Marsh.
 minutus Fab. (Oxyporus.)
 marginatus Panz.
 subtestaceus Steph. (immature.)
 flavipes (Steph.) Mus. Linn.
 (Westwood.)
- X T. CHRYSOMELINUS *Lin. Erich.* Common.
 Steph.
 melanocephalus Fab.
 merdarius Panz.
 marginellus Marsh.
- X T. RUFICOLLIS *Grav. Erich.* Edinburgh; Raehills; Berwickshire;
 Steph. Aberdeenshire; Kinross-shire;
 chrysomelinus var. 1, a β Glasgow. 1856.
 Rossi.
 flavicollis Kirby.
- T. PUSILLUS *Grav. Erich. Steph.* Not unfrequent.
 atriceps Steph.
 nigripennis Steph.
 angustatus Kirby?
 lateralis Kirby, Steph.
- T. BRUNNEUS *Fab. Erich.* Somewhat scarce.
 nitidulus Oliv. Steph.
 abdominalis Grav.
 scutellaris Lacord.
 nitidus Steph.
 testaceus Steph.
 flavicornis Kirby, Steph.
- TACHINUS *Grav. Erich.*
 Steph.
- X T. SILPHOIDES *Lin. Erich. Steph.* Common. 1856
 suturalis Panz.
 limbatus Grav.
 marginalis Grav.
 dispar var. ζ and ε Payk.
- X T. RUFIPES *De Geer, Erich.* Common. 1856.
 Steph.
 pullus Grav.
 signatus Grav.
 laticollis Gyll.
 pallens Gyll. (Immature.)
 apicalis Steph.
 fulvipes Steph.

near Glasgow & Paisley 1856.

Possill &c. 1856.

T. bifurcatus Fab. Erich. Raeb. Bk.; near Edinburgh; Edinburgh.
Sept. subterminalis Pogg. X

T. marginellus P. & Trich. Common 1856
Sept.

laticollis Gr.
breviguttus Muls.
intercedens Menn.
rufipes var. 2 Pogg.
marginellus Gr.
marginellus Det.

T. rufipes Gr. Erich. Sept. Scarce. Edinburgh; Glasgow; Paisley; Dundee; Forth.
cuticularis Gr.
breviguttus Gr.

T. rufipes Gr. Erich. Sept. Scarce. Edinburgh; Glasgow; Paisley; Dundee; Forth.
cuticularis Gr.
breviguttus Gr.

ROLETORUS Leach, Erich.
Sept.

marginellus Gr.
marginellus Det.

T. rufipes Pogg. Erich. Sept. Derwickshire; East Lothian; Edinburgh; Glasgow.
marginellus Gr. (marginellus) var. 2 Pogg.

T. rufipes Pogg. Erich. Sept. Derwickshire; East Lothian; Edinburgh; Glasgow.
marginellus Gr. (marginellus) var. 2 Pogg.
marginellus Gr. (marginellus) var. 2 Pogg.
marginellus Gr. (marginellus) var. 2 Pogg.

T. rufipes Pogg. Erich. Sept. Derwickshire; East Lothian; Edinburgh; Glasgow.
marginellus Gr. (marginellus) var. 2 Pogg.

Kelvin, Cathcart & 1856

Near Glasgow 1856.

Tollcross 1856.

Rare 1856

Paisley (moss) Tetwood near Glasgow 1856.

Kelvin & 1856.

- XT. HUMERALIS *Grav. Erich.* In fungi. Berwickshire; Edinburgh;
Steph. Aberdeenshire; Kinross-shire.
cinctus Marsh.
scapularis Steph.
- XT. SUBTERRANEUS *Lin. Erich.* Edinburgh district; Raehills; Pen-
Steph. manshiel in spring.
 var. *marginatus Fab.*
bicolor Grav.
biplagiatus Lacord.
latus Marsh.
- T. BIPUSTULATUS *Fab. Erich.* Raehills; near Edinburgh; Kin-
Steph. ross-shire.
subterraneus Payk.
- XT. MARGINELLUS *Fab. Erich.* Common. 1856
Steph.
laticollus Grav.
lævigatus Marsh.
intermedius Mann.
rufipes var. β Payk.
immaturus Grav.
marginatus Don.
- XT. COLLARIS *Grav. Erich. Steph.* Scarce. Edinburgh district; Cra-
corticinus Grav. mond; Penmanshiel.
flavellus Zetterstedt.
- XT. ELONGATUS *Gyll. Erich. Steph.* Not common. Edinburgh district;
aterrimus Steph. Raehills; Jedburgh; Penman-
 shiel; Glasgow, &c.

BOLETOBIUS *Leach, Erich.*
Steph. p.

MEGACRONUS *Steph.*

BRYOCHARIS *Lacord.*

- XB. ANALIS *Payk. Erich. Steph.* Berwickshire; East Lothian; Kin-
merdarius Gyll. (Tachinus.) ross-shire; Glasgow. 1856
- XB. CINGULATUS *Mannerh. Erich.* Glasgow; Torphichen. Mr Hislop.
Steph.
nalis var. 1 and 3, Grav.
nalis Gyll.
bicolor Rossi. ? (Oxyporus.)
rufipennis Steph.
- XB. ATRICAPILLUS *Fab. Erich.* In agarics—not unfrequent. Edin-
Steph. burgh; Berwicksh.; East Lothian.
lunulatus Fab. Lin.

XB. TRIMACULATUS *Payk. Erich.* Edinburgh; Glasgow; Stirlingshire.
Steph.
 littoreus *Ph.*
 var. trinotatus *Erich.*
 bimaculatus *Schrank.?*

B. ANGULARIS *Steph.* Edinburgh; Berwickshire; Aberdeenshire.
 apicalis *Steph.*
 exoletus *Erich.*

B. PYGMÆUS *Fab. Erich. Steph.* In fungi. Common.
 thoracicus *Fab.*
 melanocephalus *Marsh.?*
 trimaculatus var. β γ *Ph.*
 merdarius *Runde.*
 pallidus *Rossi.*
 elegans *Matthews, (Erich.)*

MYCETOPORUS *Mannerh.*
Erich. Steph.

ISCHNOSOMA *Steph. Oliv.*

M. SPLENDENS *Marsh. Steph.* Edinburgh; Berwickshire.

XM. LEPIDUS *Knoch. Erich. Steph.* Dalmeny; Stirlingsh.; Berwicksh.;
 punctato-striatus var. α , γ *Ph.* Mull. 1856
 merdarius *Schrank.*
 bimaculatus *Lacord.*
 tristis *Grav.*

XM. SPLENDIDUS *Grav. Erich.* Scarce. Blackburn Rigg wood, Berwickshire; and in Aberdeenshire.
Steph.

OTHIUS *Leach, Erich. Steph.*

CAFIUS *Lacord.*

GYROHYPNUS *Mann.*

SAURIODES *Dej. Cat.*

XO. FULVIPENNIS *Fab. Erich.* Common.
Steph.
 fulgidus *Ph. Steph.*
 fulminans *Grav.*
 ustulatus *Grav. (not Steph.)*

XO. MELANOCEPHALUS *Grav.* Not unfrequent.
Erich. Steph. Man.
 angustus *Kirby, Steph. Illust.*
 var. ater *Steph.*
 ustulatus *Steph. (not Grav.)*

✓ Paisley 1856.

var. alternans Gray, Sept. Edinburgh; Roskilly; Derwick-side; East Lothian; Glasgow.
glaberrima Kirby, Sept.

O. Scoticus Kirby, Sept. * Found in Scotland by me near Paisley in Sept. 1856.

XANTHOLINUS Don.

Grass, Sept.
GROBYRUS Kirby, Sept.
EULISSUS Mammillatus

var. alternans Gray, Sept. 1856
var. glaberrima Kirby, Sept. 1856
var. scoticus Kirby, Sept. 1856
var. glaberrima Kirby, Sept. 1856

Occasional near Glasgow. 1856.

Under stones in grassy places, 1856.

In similar places, the dark var. in damp moory localities. 1856

Rather frequent throughout the district, 1856. X

For decaying vegetable matter. 1856. X

Near Glasgow V.S. 1856. X

Near Glasgow V.S. 1856. X

Aran Mr. Donaldson Glasgow occasional 1856.

O. *LÆVIUSCULUS* Kirby, *Steph.* Raehills; sea-coast near Dunbar.
punctipennis Lacord. *Erich.* Kinross-shire.
obscurus Leach? *Steph.*

XO. *PILICORNIS* Payk. *Erich. Steph.* Beneath bark of decaying firs.
 var. *alternans* Grav. *Steph.* Edinburgh; Raehills; Berwick-
nigriceps Mannerh. shire; East Lothian; Glasgow.
affinis Payk.
glabricornis Kirby,
Steph.

O. *SCOTICUS* Kirby, *Steph.* "Found in Scotland by Mr MacLeay."
 Kirby in *Steph. Illust.*

XANTHOLINUS Dahl.
Erich. Steph.

GYROHYPNUS Kirby, *Steph.*
EULISSUS Mannerheim.

XX. *GLABRATUS* Grav. *Erich.* Not unfrequent.
Steph.
fulgidus Grav.
nitidus Panz.
cruentatus Marsh. *Steph.*
relucens Grav. *Nordm.*
merdarius *Nordm.*
cadaverinus Lacord.

XX. *PUNCTULATUS* Payk. *Erich.* Common.
Steph.
elongatus Fourc.
fracticornis Müll.
 var. *ochraceus* Gyll. *Steph.*
Heer.
angustatus Kirby, *Steph.*
quadratus Kirby, *Steph.*

XX. *LINEARIS* Oliv. *Erich. Steph.* Common.
longiceps Grav. *Steph.*
punctulatus Schrank.
 var. *ochraceus* Grav.

LEPTACINUS *Erich. Steph.*
Man.

GYROHYPNUS *Steph. Illust.*

XL. *PARUMPUNCTATUS* Gyll. *Erich.* Berwickshire; Aberdeenshire; south
Steph. (Xantholinus.) of Scotland.
semistriatus Kirby, *Steph.*

- L. BATYCHRUS *Knoch. Erich.* Aberdeenshire; south of Scotland.
Steph.
quadrisulcus Kirby,
Steph.
 var. *diaphanus Marsh.*
Steph.
longicollis Kirby, Steph.
episcopalis Lacord.
apicalis Kirby?

- L. LINEARIS *Grav. Heer.* Berwickshire; and elsewhere in the
batychrus var. *Erich.* south of Scotland.
sulcifrons Kirby, Steph.
pusillus Steph.

STAPHYLINUS *Lin.*
Erich.

(*CREOPHILUS Kirby,*
Steph.)

- × *ST. MAXILLOSUS Lin. Erich.* } Common throughout Scotland in
Steph. } carcasses.
balteatus De Geer. } 1856
- × *ST. CILIARIS Leach, Steph.* } Berwickshire. Mr Hislop and Mr Hardy.
Erich. } Island of Mull, where it seems to
 take the place of *St. Maxillosus.*
 1856 Mr J. T. Syme.

(*TRICHODERMA Steph.*)

- × *ST. NEBULOSUS Fab. Erich. Steph.* Scarce. Aberdeenshire; Mussel-
murinus Mus. Linn. (West- burgh; Berwickshire.
wood.)

ST. MURINUS Fab. Erich. Steph. Common. Edinburgh; Musselburgh;
 Sutherlandshire; Berwickshire.

ST. PUBESCENS De Geer, Erich. Scarce. Edinburgh; Berwickshire.
Steph. Commoner near Glasgow. 1856

(*STAPHYLINUS Steph.*)

- × *ST. ERYTHROPTERUS Lin. Erich.* Not uncommon. Edinburgh; Aber-
castanopterus Grav. Steph. deenshire; Sutherlandshire; Lan-
 arkshire.

- × *ST. CÆSARIUS Cederheim. Erich.* Edinburgh district; Highlands of
erythropterus Fab. Steph. Perthshire. Common in Mull.

Notwithstanding the high authority of Erickson
who recognises *ciliaris* as a true species, I am
unable to apprehend any specific distinction
between it & *maxillosus*, 1856.

There seems to be a mistake as to *l. murina*
being common; I have seen only one Scotch
specimen 1856.

Everywhere in spring & autumn common
upon the roads 1856. *
More frequent about coast, Kilmun
Dunoon &c. 1856.

L. *Staphylinus* Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107. X
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
 Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
 Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Rare throughout Britain 1886.

L. *Staphylinus* Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Staphylinus, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

1837

(*Staphylinus* Kirby)

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

(*Staphylinus* Kirby)

Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.
Staphylinus Kirby, *Trans. Entom. Soc. Lond.* 1837, p. 107.

- X *ST. STERCORARIUS* *Oliv. Erich.* Rare. Edinburgh; Berwickshire; Sutherlandshire; Arran; Inverkeithing. ¹⁸⁵⁶
- Steph.*
- ST. LATEBRICOLA* *Grav. Erich.* Sutherlandshire. Berwickshire:
ariceps *Kirby, Steph.* Mr James Wilson. Mr Hardy.
- X *ST. FULVIPES* *Scop.* Near Paisley. Mr M. Young.
bicinctus *Rossi.* ¹⁸⁵⁶
erythropus *Payk.*
tricolor *Grav.*
azureus *Ledebour.*
- OCYPUS* *Kirby, Erich.*
STAPHYLINUS *Steph.*
 (GOERIUS *Leach, Steph.*)
- X *O. OLENS* *Müll. Erich. Steph.* Common near the sea-coast. ¹⁸⁵⁶
- X *O. BRUNNIPES* *Fab. Erich.* Raehills; Berwickshire; Glasgow.
Steph. ¹⁸⁵⁶
- X *O. FUSCATUS* *Grav. Erich.* Rare. Edinburgh; Berwickshire; Tolcross; Kinross-shire.
crassicollis *Grav.* ¹⁸⁵⁶
subpunctatus *Gyll.*
Morio *Gyll. Steph.*
politus *De Geer,*
Cantianus *Kirby, Steph.*
confinis *Kirby, Steph.*
 (test. *Rudd.*)
semipolitus *Holme.*
- X *O. CUPREUS* *Rossi. Erich.* Common. ¹⁸⁵⁶
æneocephalus *De Geer,*
Steph.
æneicollis *Gyll. Steph.*
sericeus *Marsh.*
sericeocollis *Ménétries.*
strigatus *Nordm.*
puberulus *Runde.*
chalcocephalus *Holme.?*
picipennis *Hardy.*
 (TASGIUS *Leach.*)
- O. ATER* *Grav. Erich.* Rare. Berwickshire, one specimen.
fuscatus *Gyll. Steph.* Mr Hardy.
obscurus *Marsh.*
nigripes *Lacord. (Emus.)*
confinis *Curt.*
Uralensis *Mann.?*
Kirbyi, Steph. (immature.)

(ANODUS Nordmann.)

OCYPUS Steph.

- X O. MORIO Grav. Erich. Common. 1856.
 (not Steph.)
 edentulus Block.
 similis Payk. Steph. (not
 Fab.)
 angustatus Kirby, Steph.
 Lacord.
 fuscatus Lacord. (Emus.)
 obscurus Runde.
 picipes Steph.

PHILONTHUS Erich.

- X PH. SPLENDENS Fab. Erich. Generally distributed. 1856
 Steph.
 æneus Müll.
 sextus Schöff.
 niger Müll. ?
- PH. INTERMEDIUS Lacord. Very rare—one specimen near Edin-
 Erich. burgh. Dr Greville.
- chalceus Steph.
 laminatus Nordm.
 var. æratus Kirby, Steph.
- X PH. LAMINATUS Creutz. Erich. Common. 1856
 Steph.
 viridanus Nordm.
 æneus Marsh. Steph.
 coxatus Curt. (immature.)
- PH. CARBONARIUS Gyll. Erich. Rare. Berwickshire. Mr Hardy.
 Steph.
 microcephalus Steph.
 nigrinus Runde.

- X PH. ÆNEUS Rossi. Erich. Steph. Common. 1856
 rotundicollis Kirby, Steph.
 politus Steph. Kirby, (Fn.
 Bor. Americ.)
 mandibularis Kirby, (Fn.
 Bor. Americ.)
 laticeps Zetterstedt.
 metallicus Lacord.
 similis Marsh.
 politus Mus. Lin. (West-
 wood.)
 var. atratus Lacord.

Phlox subulata L. (M. ...)
 white; ...
 ...
 ...

Phlox subulata L. (M. ...)
 ...
 ...

PH. SUBULATA Gray, *Brick*, Berwickshire; East Lothian; Kinross-shire.
Hardy.
subulata Gray, *Brick*.

PH. VARIEA Gray, *Brick*, *Common*, 1825.
variea Gray.
carolinensis Gray, *Brick*.
chalcidifolia Marsh, *Brick*.
puberula Kirby, *Brick*.

PH. ALBIDA L. *Brick*, *Hardy*. *Brick*, *Perthshire*; *Perthshire*; *Perthshire*.
alba L.?
calycifera L. (*Quercus*)

PH. XANTHOLOMA Gray, *Brick*, *Brick*, *Brick*—*abundant*, 1825.
Brick.
intertexta Gray, *Brick*.
(Quercus).
intertexta Gray, *Brick*.
intertexta Gray, (*Quercus*).

PH. FURCATA L. *Brick*, *Brick*, *Brick*, *Brick*. *Brick*, *Brick*.
Brick, *Brick*.

PH. CERRATA Gray, *Brick*, *Brick*, *Brick*, *Brick*.
Brick, (*Brick*).
retundifolia Kirby, *Brick*.
(Brick).

PH. FLORENTINA Gray, *Brick*, *Brick*, *Brick*.
Brick.
Brick, *Brick*.
Brick, *Brick*.

PH. ANTHUS Gray, *Brick*, *Brick*, *Brick*, *Brick*.
Brick.
pachycephala N. & G.

PH. FUMILATA L. *Brick*, *Brick*, *Brick*.
Brick var. *intermedia*.
Brick.
obscura Gray, ?

(Not uncommon near Glasgow. 1856.)

Under stones in mossy places in woods
In low pastures &c. 1856. 183

argyria Kirby, Steph.

Lucid.

basalis Lucid. (Euxa.)

obscura Hinds.

pauper Steph.

PHILONTHUS Euxa.

XIV. *colubensis Fab. Erich. Germ. (Germ.)*

Steph.

paucus Mall.

sericus Scalf.

niger Lucid. ?

P. *sericus* Lucid. Very rare — one specimen sent Edin-
burgh. P. *sericus*

ebrius Steph.

hirsutus Nordh.

var. *sericus* Erich, Steph.

XV. *longicornis Curtis, Erich. Common. 1856*

Steph.

viridans Nordh.

paucus March. Steph.

caesus Curt. (monstr.)

P. *caesus* Curtis, Erich. Rare. Berwickshire. M. Hall

Steph.

microcephalus Steph.

viridis Hinds.

XVI. *sericus Housl. Erich. Steph. Common. 1856*

sericus Kirby, Steph.

pollus Steph. Kirby. (Pa.)

ser. Americ.

maculatus Kirby. (Pa.)

ser. Americ.

laevius Erich. Steph.

metallicus Lucid.

sericus Nordh.

pollus Housl. Lin. (West-

wood.)

var. *sericus* Lucid.

- X PH. SCUTATUS *Erich.* Edinburgh; East Lothian; Berwickshire; Kinross-shire.
cognatus Steph. Illust.
lucens Steph. Man.
rotundicollis Ménétries.
- X PH. DECORUS *Grav. Erich. Steph.* Not uncommon.
- X PH. MARGINATUS *Fab. Erich.* Common.
Steph.
- PH. UMBRATILIS *Grav. Erich.* Berwickshire; East Lothian; Kinross-shire.
Hardy.
subfuscus Gyll. Steph.
- X PH. VARIUS *Gyll. Erich. Steph.* Common. 1856
varians Grav.
carbonarius Grav. Steph.
chalcopterus Marsh. Steph.
pilipes Kirby, Steph.
- PH. ALBIPES *Erich. Hardy.* Rare. Penmanshiel; Prestonpans; south of Scotland.
nitens Steph.?
caliginosus Steph. (Quedius.)
- X PH. XANTHOLOMA *Grav. Erich.* Beneath sea-weed—abundant. 1856
Steph.
lateralis Kirby, Steph.
(Cafius.)
littoralis Steph. (Cafius.)
tessellatus Steph. (Cafius.)
- PH. FUCICOLA *Leach, Erich.* Sea-shore, Dalmeny. Rev. W. Little.
Curt. Steph.
- PH. CEPHALOTES *Grav. Erich.* Rare. Edinburgh; Aberdeenshire; Berwickshire.
Steph. (Bisnius.)
rotundiceps Kirby, Steph.
(Bisnius.)
- PH. FIMETARIUS *Grav. Erich.* Common.
Steph.
rigidicornis Grav.
lucidus Steph.
- PH. SORDIDUS *Grav. Erich.* Not common. Berwickshire; East Lothian; Edinburgh.
Steph.
pachycephalus Nordm.
- PH. FUMIGATUS *Erich.* Raehills. Rev. W. Little.
atratus var. intermedius Grav.
obscurus Steph.?

- X PH. SANGUIOLENTUS *Grav.* Rare. Penmanshiel. Mr Hardy.
Erich. Steph.
contaminatus Grav.
- PH. BIPUSTULATUS *Panz. Erich.* Edinburgh. Rev. W. Little.
Steph.
- X PH. VARIANS *Payk. Erich.* Common.
opacus Grav.
bipustulatus var. 1, 2, 4-7.
Grav.
bimaculatus Marsh.
litoratus Kirby, Steph.
aciculatus Steph.
bipustulatus var. b. *Grav.*
 var. a.
variens Fab.
opacus Grav.
aterrimus Marsh. Steph.
 var. b.
punctiventris Kirby,
Steph.
opacus Steph.
 var. c.
obscuripennis Kirby,
Steph.
longicornis Kirby, Steph.
scybalarius Nordm.
fuscicornis Nordm.
 var. d.
intaminatus Kirby, Steph.
 var. c.
agilis Grav. Steph.
parvicornis Grav.
discoideus Lacord.
suaveolens Kirby, Steph.?
(Gabrius.)
- PH. DEBILIS *Grav. Erich.* Rare. Penmanshiel. Mr Hardy.
lucidus Grav.
fimetarius var. *Grav.*
fuscicornis Kirby, Steph.
(Bisnius.)
agilis Lacord.
- X PH. VENTRALIS *Grav. Erich.* Berwickshire; Aberdeenshire; Kinross-shire.
Steph.
immundus Grav.
anthrax Grav.

Near Glasgow, 1856.

Common in dampish places 1856.

At Kelvin among grass near fungi, In
Berwickshire it frequently occurs among
decaying chips of wood. 1856.

- X PH. DISCOIDEUS *Grav. Erich.* Edinburgh; Berwickshire; Kinross-shire; Aberdeenshire; South of Scotland.
Steph. (Quedius.)
conformis Lacord.
suturalis Steph. (Quedius.)
testaceus Grav.?
- PH. FULVIPES *Fab. Erich.* Berwickshire, and south of Scotland.
mendax Runde.
flavopterus var. a. Fourc.?
rubripennis Kirby, Steph.
corruscus Steph. *Ent. Edin.*
- X PH. ATERRIMUS *Grav. Erich.* Not scarce.
Steph. (Gabrius.)
nigritulus Grav.
pumilus Mannerh.
pallipes Kirby, Steph.
trossulus Nordm.
- X PH. PARUMPUNCTATUS *Erich.* Not frequent. Berwickshire; Edinburgh; Hamilton; Kinross-shire.
punctus Gyll.
minax Kirby, Steph.
Watsoni Kirby, Steph.
impressicollis Steph.
puncticollis Howitt, Steph.
(Bisnius.)
- PH. PROCERULEUS *Grav. Erich.* Rare. Near Cockburnspath, Berwickshire. *Mr Hardy.*
Steph. (Xantholinus.)
planatus Grav.
- PH. ELONGATULUS *Erich.* Rare. South of Scotland; Kinross-shire. *A. Murray.*
semipunctatus Kirby, Steph.?
(Gabrius.)
- QUEDIUS *Leach, Steph. Erich.*
- MICROSAURUS *Dej. Steph.*
- RAPHIRUS *Leach, Steph.*
- PHILONTHUS *Heer.*
- X Q. LATERALIS *Grav. Erich.* Edinburgh district; Berwickshire; Glasgow; Kinross-shire.
Steph.

- XQ. FULGIDUS *Fab. Erich.* Not common. Edinburgh; Glasgow;
 var. a. *Elytris rufis.* Kinross-shire, &c.
fulgidus Fab. Heer.
fuscipennis Block.
rufitarsis Marsh. Steph.
distinctus Runde.
hæmopterus Kirby,
Steph.
hæmorrhous Kirby,
Steph.
humeralis Kirby, Steph.
iracundus Say.
floralis Lacord.
assimilis Nordm.
- var. b. *Elytris concoloribus.*
nitidus Grav. Steph.
variabilis Gyll. Steph.
mesomelinus Marsh.
Grönlandicus Zetter-
stedt.
occultus Lacord.
- XQ. IMPRESSUS *Payk. Erich.* Not uncommon. 1856
Steph.
cinctus Payk.
marginellus Marsh.
nitidus var. 6, Grav.
- XQ. MOLOCHINUS *Grav. Erich.* Generally distributed. 1856
laticollis Lacord.
picipennis Payk. Steph.
Lapponicus Zetterstedt.
lævicollis Runde.
denudatus Kirby, Steph.
- XQ. FRONTALIS *Nordmann, Erich.* Common everywhere. 1856
tristis Steph.
- †XQ. LAEVIQATUS *Gyll.?* Inverary. 1856 Mr Hislop.
- XQ. FULIGINOSUS *Grav. Erich.* Common. 1856
tristis Grav.
dilatatus Marsh.
picicornis Kirby, Steph.
gracilis Kirby, Steph.
- XQ. PICIPES *Mannerh. Erich.* Edinburgh district; Berwickshire;
Steph. Glasgow. 1856
pyrrhopus Kirby, Steph.
varicolor Nordm.

Var a. near Leithcart. 1856.
Var b. near Lambullang. 1856.

This I have also found in Rannock; It does not seem
to have occurred to any southern collectors. 1856.

Not common, Bowling & Kelvin side; 1856

Inverary; apparently not common anywhere
1856.

Rejectamenta of Lakes & ditches; mug-
-dock; fossil; not unrequent, 1856.

Possil & Tolcross. 1856.

On the banks of the Avon at Chatterault;
one specimen. 1856.

- X Q. RUFICOLLIS *Steph.* Edinburgh; Berwickshire; Aberdeenshire; Glasgow. 1836
- X Q. PELTATUS *Erich.* Near Edinburgh. East Lothian; Kinross-shire, &c.
præcox *Erich.* (*Käf. Brand.*)
attenuatus *Steph.*
- X Q. SEMIOBSCURUS *Marsh.* Edinburgh; Berwickshire; East Lothian; Glasgow.
Steph.
mauro-rufus *Gyll.*
umbrinus *Erich.*
- Q. MAURORUFUS *Grav. Erich.* Rather rare. Berwickshire. Mr. Hardy.
Steph.
attenuatus *Grav.*
præcox *Gyll. Steph.*
- Q. PICIPENNIS *Steph.* Rare. Edinburgh district; Penmanshiel.
semiobscurus *Erich.* (not *Marsh.*)
- X Q. ATTENUATUS *Gyll. Erich.* Generally distributed.
nitipennis *Leach, Steph.*
scintillans *Lacord.*
 var. *rufipennis* *Kirby, Steph.*
- X Q. BOOPS *Grav. Erich. Steph.* Not uncommon.
- Q. FUSCIPES *Kirby, Steph.* Rare. Near Edinburgh. Mr R. F. Logan.
- X Q. AURICOMUS *Kiesenwetter.* Rare. Berwickshire; near Hamilton.
 (*Stett. Ent. Zeit. 1850.*)
scintillans *Hardy.* (*Ber. Club Trans.*)
- Q. SCINTILLANS *Grav. Erich. ??* Berwick. Mr Hislop.
- CRYPTOBIUM *Mannerh. Erich. Steph.*
- X C. FRACTICORNE *Mannerh. Erich. Steph.* Rare. Lurgie loch, near Hume Castle; Torwood, Stirlingshire.
 1836 Mr Hislop.
- LATHROBIUM *Grav. Erich. Steph.*
- X L. BRUNNIPES *Grav. Erich. Steph.* Common. 1836
dentatus *Marsh.*

- X L. ELONGATUM *Lin. Erich.* Common. 1856
Steph.
atriceps Kirby, Steph.
(immature.)
- X L. FULVIPENNE *Grav. Erich.* Common. 1856
Steph.
elongatum Lacord.
- X L. MULTIPUNCTUM *Grav. Erich.* Rare. Berwickshire; Mull.
Steph.
lineare Grav.
testaceus Oliv. (Pæderus.)
punctatostriatum Kirby,
Steph.
- X L. QUADRATUM *Payk. Erich.* Cramond; Raehills; Berwickshire;
Steph. Kinross-shire.
filiformis Payk. (Pæderus.)
pilosum Grav.
var. terminatum Grav. Curt.
- L. FILIFORME *Grav. Erich.* Dalkeith; Duddingston; Cramond.
Steph. *Ent. Edin.*
lineare Gyll. Steph.
- X L. LONGULUM *Grav. Erich.* Very rare. Sea-coast of Berwick-
Steph. shire; Mull. 1856
minutum Sahlb. R. H.
- LITHOCHARIS *Dej. Erich.*
MEDON Steph.
SUNIUS Steph.
PÆDERUS Grav.
- L. MELANOCEPHALA *Fab. Erich.* Near Dumfries and Raehills.
Steph. *Rev. W. Little.*
tricolor Marsh.
bicolor Oliv.
ruficorne Latr. (Lathro-
bium.)
- X L. OCHRACEA *Grav. Erich.* Berwickshire; Mid-Lothian; Aber-
Steph. deenshire.
rubricollis Grav. Steph.
testacea Lacord. ?

near Mugdock R.H. 1856. X

with *Quedius semiobscurus*. 1856. X

Foot of Garrigad Hill, east end. 1856. X

Near Dumbarton & Glasgow. 1856.

Near Dumbarton Paisley. 1856.

In an apple from Port Dundas, May
have been imported. R. H. 1856.

A very doubtful native. 1856.

Kelvin, & Clyde. 1856.

Kelvin. 1856.

Near Paisley, R. H. 1856.

STILICUS *Latr. Erich.*RUGILUS *Leach.*

- X S. AFFINIS *Erich. Hardy.* Berwickshire ; Dalmeny Park.
 S. PUNCTIPENNIS *Kirby, Steph.* Moffat. Rev. W. Little.
 X S. ORBICULATUS *Payk. Steph.* Edinburgh ; Cramond ; Berwicksh.
Erich.

SUNIUS *Leach, Erich.*
(not *Steph.*)ASTENUS *Dej. Steph.*

- X S. ANGUSTATUS *Fab. Erich.* Rare. Edinburgh district ; Dum-
Steph. friesshire ; Berwickshire ; East
gracilis Payk. Lothian ; Kinross-shire.
 S. BRUNNEUS *Kirby, Steph.* Kinross-shire. A. Murray.

PÆDERUS *Fab.*

- P. LITTORALIS *Grav. Steph.* Rare. Near Edinburgh. *Ent. Edin.*

DIANÖUS *Leach, Steph.*
Erich.

- X D. CÆRULESCENS *Gyll. Erich.* Not common. Near Edinburgh ;
Steph. near Glasgow, Berwickshire ; East
biguttatus Ljungh. (Stenus.) Lothian ; Dumfriesshire, &c.
rugulosus Steph.

STENUS *Lat.*

- ST. BIGUTTATUS *Lin. Erich.* South of Scotland.
Steph.
bipustulatus Ljungh.
 X ST. GUTTULA *Müller, Erich.* Banks of streams. Near Edinburgh ;
Steph. Berwickshire ; south of Scotland.
Kirbyi Leach, Gyll. Curtis.
biguttatus, var. Grav.
 X ST. BIMACULATUS *Gyll. Erich.* Berwickshire ; south of Scotland.
Steph.
Juno Grav. Lacord.
biguttatus Marsh. (Steph.)
 ST. JUNO *Fab. Erich. Steph.* Wet places—common. Edinburgh ;
clavicornis Fab. Berwickshire, &c.
bupthalmus Latr.
Boops Grav.

- ST. BUPHTHALMUS *Grav. Erich.* Near Edinburgh. Kinross-shire ;
Steph. Berwickshire ; south of Scotland.
 Boops *Ljungh.*
clavicornis Panz.
canaliculatus Lacord.
palposus Zetterst. ?
- X ST. PUSILLUS *Kirby, Steph.* Common. Edinburgh ; Berwickshire ;
exiguus Erich. Stirlingshire, &c.
- ST. NANUS *Steph.* Common. Edinburgh ; Kinross-shire ;
pusillus Erich. Berwickshire ; Aberdeenshire ;
 south of Scotland.
- X ST. BOOPS *Gyll. Steph. Heer.* Common. Edinburgh ; Berwick-
clavicornis Scop. Steph. shire, &c.
bupthalmus Schrank.
Cicindeloides Ljungh.
nigricornis Kirby, Steph.
speculator Lacord. Erich.
- X ST. NIGRITULUS *Gyll. Erich.* South of Scotland. Rev. W. Little.
unicolor Kirby, Steph.
- X ST. BINOTATUS *Ljungh. Gyll.* Borders of ponds. Edinburgh ; Swin-
Erich. ton, Berwickshire ; south of Scot-
lævior Kirby, Steph. land.
- X ST. PUBESCENS *Kirby, Steph.* Borders of ponds ; Edinburgh. near
 * *subimpressus Erich.* Swinton ; south of Scotland.
- ST. PALLITARSIS *Kirby, Steph.* Edinburgh district ; Kinross-shire.
binotatus, var. b. Gyll.
plantaris Erich.
- ST. NITIDUS *Kirby, Steph.* Near Swinton, Berwickshire.
phæopus Kirby, Steph. ? Mr Hardy.
plancus Erich.
- ST. PICIPES *Kirby, Steph.* Near Edinburgh. Berwickshire ;
rusticus Erich. Aberdeenshire ; Kinross-shire.
obliquus Heer.
- X ST. NITIDIUSCULUS *Kirby,* Sides of streams and wet marshes.
Steph. Berwickshire ; Aberdeenshire ; near
 X *tempestivus Erich.* Edinburgh ; Kinross-shire, &c.
- ST. IMPRESSUS *Germ. Erich.* Common. Edinburgh ; Aberdeen-
proboscideus Germ. shire ; Berwickshire ; Kinross-shire,
Aceris Kirby, Steph. &c.

ST *subaeneus Erich.*
gonymelus Kirby, Steph.
geniculatus Steph.

Near Glasgow. 1856.

Near Glasgow Mull, 1856.

Garrigad Hill; Mull, 1856.

Mugdock Loch. 1856.

Mull 1856.

Mugdock Loch & Banks of Kelyde. 1856.

Renfrewshire Edw. S.; Lanarkshire. 1856.

- ST. PROBOSCIDEUS *Gyll. Heer.* Marshes. Edinburgh; Berwick-
canaliculatus *Kirby, Steph.* shire; south of Scotland.
palustris *Erich.*
- ST. PALLIPES *Grav. Erich.* Moffat; Nenthorn and Mellerstain.
immunis *Marsh. Steph.*
- ST. FLAVIPES *Kirby, Steph.* Penmanshiel and Nenthorn; near
filum *Erich.* Edinburgh.
- ST. TARSALIS *Ljungh. Erich.* Rare. Raehills; Blackburn Rigg
Steph. wood, Berwickshire.
buphthalmus *Ljungh.*
clavicornis *Grav.*
riparius *Runde.*
nigriclavus *Kirby, Steph.*
rufitarsis *Kirby, Steph.*
flavitarsis *Wilkin. Steph.*
- ✕ ST. OCULATUS *Gyll. Erich. Steph.* Common.
similis *Herbst.*
clavicornis *Marsh.*
- ST. CICINDELOIDES *Grav.* Rare. Near Ormiston. Dr J. Howden.
Erich. Steph.
buphthalmus *Rossi.*
clavicornis *Rossi.*
biguttatus, var. *Oliv.*
(*Pæderus.*)
similis, var. β . *Ljungh.*
- ST. FULVICORNIS *Kirby, Steph.* In moss. Penmanshiel. Mr Hardy.
paganus *Erich.*
- ST. BRUNNIPES *Kirby,* Common.
latifrons *Erich.*
- BLEDIUS *Leach.*
HESPEROPHILUS *Steph.*
- B. FRACTICORNIS *Payk. Erich.*
Steph.
Gallicus *Grav.*
pallipes *Lacord.*
var. *Elytris rufis.* Near Swinton hill, Berwickshire.
tricornis var. minor *Grav.* Mr Hardy.
- B. OPACUS *Block. Erich.* Rare. Sea-coast near Cockburns-
castaneipennis *Mannerh.* path. Mr Hardy.
hæmopterus *Kirby, Steph.*

- × B. SUBTERRANEUS *Merkel*, Banks of streams. Clyde; Berwick-
Erich. Hardy, shire; Inveresk; south of Scotland.

PLATYSTETHUS *Mannerheim*.

- × P. MORSITANS *Payk. Erich.* Common. 1856
Steph.
trilobus Oliv. Steph.
pallidipennis Panz. Heer.
arenarius Fourc.
striolatus Lacord.
mordax Sahlb.
sulcatus Marsh. Steph.
brunnipennis Steph.

OXYTELUS *Grav.*

- × O. RUGOSUS *Fab. Erich. Steph.* Common. 1856
carinatus Panz. Steph.
piceus Oliv.
striatus Ström.
sulcatus Fourc.
 var. *pulcher Grav. Steph.*
terrestris Lacord.
laqueatus Marsh.

- O. SCULPTUS *Grav. Erich.* Edinburgh; Kinross-shire; Berwick-
longicornis Mannerheim. shire; south of Scotland.
antennatus Kirby, Steph.

- × O. SCULPTURATUS *Grav. Erich.* Common. 1856.
Steph.
flavipes Lacord.

- O. NITENS *Marsh. Steph.* Edinburgh; Berwickshire; Dunbar;
luteipennis Erich. south of Scotland.

- O. FLAVIPES *Steph.* Sea-coast near Cockburnspath.
 Mr Hardy.

- O. NITIDULUS *Grav. Erich.* Edinburgh; Berwickshire; Whitting-
Steph. ham; south of Scotland; Aber-
piceus Schrank. deenshire; Kinross-shire.
piceus var. pygmæus Payk.
rugulosus Say.
ruficrus Kirby, Steph.

Calamita *Edw. Steph.* Edinburgh; Dunbar; north of Scot- X
land.
Edw. Steph.
Edw. Steph.

O. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* X
Edw. Steph.
Edw. Steph.

TROGLOPHILUS *Munich.*

Oxytelus *Gyll.*
Carpalonus *Steph.*
Tachonota *Munich.*
Tachonota *Steph.*

T. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.*

T. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* X
Edw. Steph.
Edw. Steph.
Edw. Steph.

T. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.*

X *T. ...* *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* X
Edw. Steph.
Edw. Steph.
Edw. Steph.
Edw. Steph.

THINOBELUS *Krieger.*

T. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* X
Edw. Steph.
Edw. Steph.

COGROPHUS *Latr.*

Oxytelus *Gyll.*
Carpalonus *Steph.*
Tachonota *Munich.*

T. ... *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* *Edw. Steph.* X
Edw. Steph.
Edw. Steph.
Edw. Steph.

XV. *scutellata* Michx. Edinb. Berwickshire; south of Scotland.
Erich. Hirtz.

FLATYSPETHINI Mac-
whin.

XVI. *montana* Pugh. *Erich. Common 1856*
Steph.

- triflorus* Guss. *Steph.*
- pauciflorus* Penn. *Heer.*
- arvensis* Fourc.
- strobilatus* Leard.
- modicus* Salm.
- unicatus* Marsh. *Steph.*
- truncatipennis* *Steph.*

OXYTELLUS Grav.

XVII. *arvensis* Fab. *Erich. Steph. Common 1856*

- caerulescens* Penn. *Steph.*
- picus* Guss.
- viridatus* Trin.
- ulcatus* Fourc.

Near Glasgow, 1856.

O. *scutellata* Grav. *Erich.* Edinburgh; Berwickshire; south of Scotland.
longicauda *Blanchet.*
autumnalis *Erig. Steph.*

XVIII. *scripturatus* Grav. *Erich. Common 1856*
Steph.

- flavipes* Leard.

O. *viridis* Marsh. *Steph.* Edinburgh; Berwickshire; Dunbar; south of Scotland.
interpennis *Erich.*

O. *flavipes* *Steph.* Sea-coast near Cockburnspath.

O. *viridula* Grav. *Erich.* Edinburgh; Berwickshire; Whittington.

Near Glasgow in spring; Killermont & Jarsube. 1856

- pubes* var. *pygmaea* *Steph.*
- rugosus* *Say.*
- rotundus* *Erig. Steph.*

O. PALLIPES Kirby, Steph. Edinburgh; Dunbar; south of Scotland.
 depressus Gyll.
 complanatus Erich.

X O. DEPRESSUS Grav. Erich. Steph. Common. 1836
 pusillus Mannerh. Steph.
 tetracarينات Block.

TROGOPHLÆUS Mannerh.

OXYTELUS Gyll.
 CARPALIMUS Steph.
 TENODOMA Mannerh.
 TRENOSOMA Steph.

T. SCROBICULATUS Erich. Stichell Linn. Mr Hislop.

T. BILINEATUS Kirby, Steph. Edinburgh; Berwickshire; Aberdeenshire; south of Scotland.
 Erich.
 corticinus Gyll.
 var. inquilinus Erich.

T. FULIGINOSUS Grav. Erich. Penmanshiel. Mr Hardy.
 Steph.

X T. PUSILLUS Grav. (Aleochara) Erich. Steph. Berwickshire; Aberdeenshire.
 fuliginosus Gyll.
 corticinus Lacord.
 picipennis Kirby, Steph.

THINOBIUS Kiesenwetter.

TH. LONGIPENNIS Heer. (Homalota.) Among gravel, side of the Peaseburn, Berwickshire. Mr Hardy.
 ciliatus Kies.

COPROPHILUS Latreille.

OMALIUM Grav.
 ELONIUM Leach.
 ANTHOBIUM Lacord.

X C. STRIATULUS Fab. Erich. Scarce. Edinburgh; Aberdeenshire; Berwickshire, &c.
 Steph.
 rugosus Oliv.
 laesus Germ. (Oxytelus.)

DELEASTER *Erich.*

- X D. DICHOUS *Grav. Erich.* Raehills, and Braid burn, near Edin-
Steph. burgh. Rev. W. Little.
Brassicæ Schrank. ? (Sta-
phylinus.)
Leachii Curtis, (Lesteva.)

MICRALYMMMA *Westwood.*OMALIUM *Gyll.*

- X M. BREVIPENNE *Gyll. Erich.* Between layers of shale rocks be-
Johnstonis Westw. Steph. tween tide-marks; Dalmeny; South
 Queensferry; Prestonpans; Dun-
 bar; Berwickshire.

SYNTOMIUM *Curtis.*

- X S. ÆNEUM *Müller, Gyll. Erich.* In moss. Edinburgh; Dalmeny;
nigroæneum Curt. Steph. Raehills; Jedburgh; Berwickshire.

ANTHOPHAGUS *Grav.**Erich.*LESTEVA *Latreille, Steph.*

- X A. ALPINUS *Fab. Erich. Steph.* Dumfriesshire. Rev. W. Little.
mandibularis Gyll.
Lapponicus Mannerh.
flavipennis Lacord.
maxillosus Zetterstedt.

- X A. CARABOIDES *Lin. Erich.* Dalmeny; Berwickshire; Aberdeens-
Steph. shire, &c.
testaceus Lacord.

- A. TESTACEUS *Grav. Erich.* Near Jedburgh. Rev. W. Little.
Steph.
Caraboides var. c. Gyll.

GEODROMUS *Heer.*ANTHOPHAGUS *Grav. Erich.*LESTEVA *Steph.*

- X G. PLAGIATUS *Fab. Heer. Erich.* Perthshire; Berwickshire.
Steph.
suturalis Lacord.
longipes Mannerh. ?
Hookeri Kirby, Steph.

- var. *Elytris nigris concoloribus.*
nigrita Müller.
globulicollis Mann. Steph.

E var

Rare near Paisley, Mr. Young. 1856.

Dunoon. 1856.

Occasional Paisley &c. 1856.

Hills Renfrewshire ♀ only; Mächel has observed only one ♂ among 400 or 500 specimens. 1856.

Common at Kelvin side &c. 1856.

The var c only has occurred near Glasgow
Kelvin under stones by the margin near
the Botanic Garden. 1856.

var g? but differing in being ferruginous
I have taken on Benlomond. 1856.

Muydock; Blun. 1856.

Near Douglas Castle Mr. Holliston, 1856

Near Paisley, occasional, 1856.

Possil Feby & March. 1856.

G. CANALICULATUS Kirby, Near Edinburgh ; Raehills, &c.
Steph.
 Kunzei Heer.

LESTEVA Lat.

X L. BICOLOR Fab. Erich. Common, by borders of streams. 1856
 punctulata Lat.
 obscura Payk. Steph.
 intermedia Grav.
 dimidiatus Panz. (Carabus.)
 Staphylinoides Marsh.
 (Carabus.)

X L. IMPRESSA Kirby, Steph. Swamps. Berwickshire ; Edinburgh ;
 punctata Erich. Aberdeenshire ; Kinross-shire.
 villosus Waltl. (Anthophagus.)

ARPEDIUM Erich.

OMALIUM Grav. Steph.

X A. BRACHYPTERUM Grav. Near Edinburgh ; Dumfriesshire.
 Erich. Hardy.
 impressum Zetterstedt.
 Gyllenhalii Sahlberg.

A. SUBPUBESCENS Kirby, In the blooms of broom and furze,
Steph. Berwickshire.
 humile Erich.
 myops Haliday.

ACIDOTA Leach.

X A. CRENATA Fab. Erich. Steph. Rare. Dalmeny ; Caithness ; the
 castaneum Grav. Grampians ; Milnegraden, Ber-
 rufa Grav. Mann. wickshire ; Minto, &c.

A. CRUENTATA Mann. Erich. Among decaying fir-leaves, Penman-
 rufa Gyll. Steph. shiel wood ; Raehills.

OLOPHRUM Erich.

ANTHOBIUM Steph.

X O. PICEUM Gyll. Erich. Steph. Marshes. Raehills ; Dalmeny ; Ber-
 Blattoides Ahrens. wickshire ; Aberdeenshire.

O. CONSIMILE Gyll. Erich. South of Scotland. Rev. W. Little.
Steph.
 borealis ♀ Payk.

LATHRIMÆUM *Erich.*

- XL. ATROCEPHALUM *Gyll. Erich.* Berwickshire ; Presmennan ; Edinburgh ; Minto ; Aberdeenshire, &c.
Steph.
 melanocephalum *Runde.*
Marsh. Steph.
 longipenne *Kirby, Steph. ?*
 unicolor *Marsh. Steph. ?*

DELIPHRUM *Erich.*

- D. TECTUM *Payk. Erich. Steph.* Edinburgh ; Berwickshire ; south of laeve *Grav. (Omalium)* (not Scotland.
Steph.)

OMALIUM *Grav.*

- XO. RIVULARE *Payk. Erich.* Common.
Steph.
 incisum *Grav.*
 cursor *Müller.*
 Oxyacanthæ *Lacord.*
 fuscum *Steph.*
- O. LÆVIUSCULUM *Gyll.* Beneath sea-weed. Berwickshire ;
 laeve *Steph. (not Grav.)* Dunbar ; Dalmeny.
- O. OXYACANTHÆ *Grav. Erich.* Scarce. Raehills ; Dalmeny ; Berwickshire.
(not Steph.)
 piceum *Kirby, Steph.*
- XO. FOSSULATUM *Erich.* Not frequent. Edinburgh ; Berwickshire ; Aberdeenshire ; Kinrossshire.
 cæsum *Gyll. Steph. (not Grav.)*
- O. CONFORMATUM *Hardy.* Near Penmanshiel. Mr Hardy.
- O. FLORALE *Payk. Erich. Steph.* Not common. Raehills ; Pease bridge, Berwickshire ; Kinrossshire.
 Viburni *Gyll. Steph.*
 rufipes *Fourc.*
- O. STRIATUM *Grav. Erich.* Not common. Near Penmanshiel.
Steph. Mr Hardy.
 minutum *Oliv.*
- XYLODROMUS *Heer.*
 OMALIUM *Grav. Erich.*
Steph.
- X. CONCINNUS *Marsh. Steph.* Edinburgh ; Berwickshire.
Erich. Heer.

Kelvin side not rare. 1856. X

In Fungi on wall tops. 1856. X

Paisley. 1856. X

near Paisley not common. 1856.

Cothcart &c rather frequent. 1856.

Ballendar 1856.

Hamilton 1856.

On *Calltha palustris*. Killermont. 1856

In decaying Fungi 1856.

Renfrewshire 1856

PHLÆONOMUS Heer.

OMALIUM Grav. Erich.
Steph.

- X PH. IOPTERUS Kirby, Steph. Beneath bark. Dalmeny Park; Pres-
brunneum var. β Payk. mennan; Penmanshiel wood;
lucidum Erich. Heer. Mellerstain; Aberdeenshire.
var. sordidum Kirby, Steph.
mesomelas Holme. ?

- X PH. PUSILLUS Gyll. Erich. Steph. Under bark of Scotch-pine. Ber-
Heer. wickshire; near Edinburgh; Aber-
deenshire; south of Scotland.

ANTHOBIUM Leach.

- X A. OPHTHALMICUM Payk. Erich. Raehills. Rev. W. Little.
Steph.
pallidum Grav.

- A. SORBI Gyll. Erich. Steph. Frequent.
ophthalmicum Grav. Lacord.
lutea Marsh. (Silpha.)
Steph.
testaceum Grav.

- X A. TORQUATUM Marsh. Steph. Flowers. Raehills; Edinburgh;
testaceum Lacord. Berwickshire; Kinross-shire.
mucronatum ♀ Kirby, Steph.
scutellare Erich.
montivagum Chevrier, Heer.
nigriventre Steph. ?

- X A. MINUTUM Fab. Erich. Steph. Flowers. Berwickshire.
Ranunculi Grav. Steph.
picipenne Kirby, Steph.

PROTEINUS Lat.

- X P. BRACHYPTERUS Fab. Erich. Common. Raehills; Edinburgh;
Steph. East Lothian; Berwickshire; Kin-
ross-shire, &c.
ovatum Grav. (Omalium.)
ovalis Kirby, Steph.

- P. ATOMARIUS Erich. Girrick. Mr Hislop.

MEGARTHURUS Kirby.

OMALIUM Grav.
PHLÆOBIUM Lacordaire.

- X M. DEPRESSUS Payk. Gyll. Erich. Edinburgh; Berwickshire; Dunbar;
macropterus Grav. Kinross-shire; Aberdeenshire.
pusillus Steph.

- X *M. SINUATOCOLLIS* Dej. Berwickshire; Dalmeny; Aberdeenshire.
Lacord. Erich.
depressus Steph.?
- X *M. DENTICOLLIS* Beck. Erich. Raehills; Aberdeenshire; Berwickshire.
marginatus ♀ Steph.
emarginatus Kirby, Steph.
marginicollis Dej.
hemiptera var. a. Illig.
(Silpha.)
- M. HEMIPTERUS* Illig. Erich. Raehills. Rev. W. Little.
depressum var. c. Gyll.
(Omalium.)
melanocephalus Oliv. (Steph.)
rufescens Kirby, Steph. ♂.
nitiduloides Lacord.
- PHLÆOBIUM Dej.
 MEGARTHUS Steph.
- X *PH. CLYPEATUM* Müller, Erich. Aberdeenshire; Berwickshire; Dalmeny Park, &c.
retusus Kirby, Steph.
flavus Kirby, Steph.
corticale Lacord.
- MICROPEPLUS Lin.
- X *M. PORCATUS* Fab. Erich. Steph. Common. 1856
sulcata Herbst. (Nitidula.)
- X *M. STAPHYLINOIDES* Marsh. Less frequent. Edinburgh; Berwickshire; Aberdeenshire.
Erich. (not Gyll.)
Maillei Guérin.

Kelvinside, Paisley 1856. X

Kelvinside. 1856. X

APPENDIX

ADDENDA

Renfrewshire 1856. X

Kelvin Bank. 1856. X

APPENDIX.

I.

ADDENDA.

THE occurrence of the following insects has been ascertained while the foregoing pages were going through the press :—

HELOPHORUS RUGOSUS <i>Oliv.</i>	Dumfriesshire.	Rev. W. Little.
SCAPHISOMA BOLETI <i>Panz.</i>	Dumfriesshire.	Rev. W. Little.
PTENIDIUM LAEVIGATUM <i>Gillm. Erich.</i>	Dumfriesshire.	Rev. W. Little.
PT. APICALE <i>Sturm.</i> elongatulum <i>Motsch.</i> myrmecophyla <i>Motsch.</i>	Dumfriesshire.	Rev. W. Little.
EPUREA MELINA <i>Erich.</i> depressa <i>Illig.</i>	Near Edinburgh.	A. Murray.
DENDROPHAGUS (<i>Schön.</i>) CRE- NATUS <i>Payk.</i>	Black forest, Rannoch.	Mr Weaver.
ONTHOPHAGUS NUCHICORNIS <i>Lin. Steph.</i>	Ayrshire.	Mr J. P. Duncan.
ELATER TRISTIS <i>Lin.</i>	Black forest, Rannoch.	Mr Weaver.
GYMNÆTRORON STELLUM <i>Schön.</i>	Near Edinburgh.	Dr Lowe.
APION BETULAE <i>Chev. Schön.</i>	Kinross-shire.	A. Murray.
A. GLAUCINUM <i>Schön.</i>	Near Edinburgh.	A. Murray.
A. PUBESCENS <i>Kirby, Steph.</i> <i>Germ.</i>	Kinross-shire.	A. Murray.
A. GYLLENHALLII <i>Kirby, Dej.</i> unicolor <i>Kirby.</i> Aethiops <i>Gyll.</i>	Near Edinburgh.	A. Murray.
A. SALICIS <i>Schön.</i>	Near Edinburgh.	Dr Lowe.

APION AFER Schön.	Near Edinburgh.	A. Murray.
A. AETHIOPS Herbst, Sahlb. (not Gyll.) subcæruleum Steph. marchicum Gyll. (not Herbst.)	Near Edinburgh.	A. Murray.
A. SEDI Germ. (not Gyll.)	Kinross-shire.	A. Murray.

II.

DELEND A.

HELOPHORUS GRISEUS Brulle, - - - p. 23, *supra*.
intermedius Muls.

III.

THE following insects, which are recorded as having been found near Edinburgh—both in Stewart's list published in the Wernerian Society's Transactions, Vol. 6, and in the *Entomologia Edinensis*—appear to have been inserted by mistake, or without due examination, and have therefore been excluded from the foregoing Catalogue, but are inserted here, till future investigations shall determine whether they are entitled to a place in a Scottish list or not.

DRYPTA EMARGINATA Fab.	“ Said to have been taken several years ago beneath marine rejec- tamenta at Leith sands on the authority of the Rev. J. Hope.” <i>Ent. Edin.</i>
CHLAENIUS VESTITUS Fab.	“ Banks of the Water of Leith, and margin of Lochend.” <i>Ent. Edin.</i>
ANCHOMENUS (AGONUM.) SEX- PUNCTATUS Lin.	“ Banks of the Water of Leith.” Sir P. Walker. <i>Ent. Edin.</i>
PÆCILUS DIMIDIATUS Oliv.	“ Taken near Corstorphine, and by the side of the Water of Leith to the west of Edinburgh.” <i>Ent. Edin.</i>

- PÆLOBIUS HERMANNI *Fab.* "Pond at Coates." Sir Patrick Walker.
Ent. Edin.
- HYPHIDRUS OVATUS *Lin.* "Pond at Coates; Lochend."
Ent. Edin.
- OTIORHYNCHUS LIGUSTICI *Lin.* "Environs of Edinburgh." *Ent. Edin.*
- MOLYTES CORONATUS *Lat.* "A few specimens taken near Edin-
 Anglicanus *Marsh.* burgh by Sir P. Walker."
Ent. Edin.
- LEMA (CRIOCERIS) ASPARAGI "Taken near Edinburgh by
Lin. Sir P. Walker."
Ent. Edin.
- CHRYSOMELA GOETTINGENSIS "Specimens have occurred near
Lin. Coates, to Sir P. Walker."
Ent. Edin.
- COCCINELLA (ANISOSTICTA "Near Coates." *Ent. Edin.*
Chev. Muls.) 19-PUNC-
 TATA *Lin.*
- HELOPS CÆRULEUS *Lin.* "Fields and woods near Edinburgh."
Ent. Edin.

[INDEX.]

INDEX.

- Abax, 8.
Abræus, 47.
Acalles, 65.
Acanthocinus, 83.
Acidota, 131.
Acilius, 15.
Acrossus, 49.
Acupalpus, 10, 11.
Adimonia, 87.
Adimonia, 87.
Adrastus, 54.
Aedilis, 83.
Ægialia, 50.
Aepus, 11.
Agabus, 16.
Agathidium, 34.
Agathidium, 34.
Agelastica, 87.
Agonum, 6.
Agrilus, 51.
Agriotes, 54.
Agrypnus, 52.
Aleochara, 109.
Aleochara, 105.
Alophus, 76.
Alphitobius, 99.
Altica, 87.
Amalus, 68.
Amara, 8.
Amauronia, 58.
Ampedus, 53.
Amphicyllis, 34.
Anærea, 84.
Anaspis, 101.
Anatis, 97.
Anchomenus, 6.
Anisarthria, 32.
Anisodactylus, 10.
Anisosticta, 94.
Anisotoma, 33.
Anisotoma, 33.
Anobium, 59.
Anodus, 118.
Anomala, 51.
Anoplus, 67.
Antherophagus, 40.
Anthicus, 103.
Anthobium, 133.
Anthobium, 129, 131.
Anthonomus, 68.
Anthophagus, 130.
Anthophagus, 130.
Anthrenus, 44.
Aphodius, 48.
Aphodius, 48, 49, 50.
Aphthona, 88.
Apion, 79, 135.
Aplocnemus, 58.
Aplotarsus, 53.
Apoderus, 83.
Apteropoda, 91.
Arcopagus, 104.
Argopus, 90.
Argutor, 7.
Arpedium, 131.
Asemum, 83.
Aspidiphorus, 45.
Astenus, 125.

- Astilbus*, 105.
Astynomus, 83.
 Athous, 52.
 Atomaria, 41.
 Atopa, 55.
 Attagenus, 44.
 Attelabus, 83.
 Autalia, 105.

 Badister, 5.
 Bagous, 66.
 Balaninus, 68.
 Balanomorpha, 89.
 Baridius, 66.
Baris, 66.
 Barynotus, 75.
Barynotus, 75.
 Bembidium, 11.
 Berosus, 24.
Bisnius, 121.
 Bitoma, 39.
 Blaps, 99.
 Bledius, 127.
 Blethisa, 2.
 Boletobius, 113.
 Bolitochara, 106.
Bolitochara, 106.
 Bolitophagus, 99.
 Bothynoderus, 76.
 Brachypterus, 36.
Brachyrhinus, 75.
Brachysomus, 72.
 Bradycellus, 11.
 Bradytus, 9.
 Broscus, 8.
 Bruchus, 83.
 Bryaxis, 104.
 Bryocharis, 113.
 Byrrhus, 45.
Byrrhus, 45.
 Bythinus, 104.
 Byturus, 43.

Cacicula, 96.
Cafus, 114.
Calandra, 61.
 Calathus, 5.

Callicerus, 106.
Callidium, 83.
 Calodera, 106.
Caloderus, 53.
 Calvia, 98.
Campsa, 38.
Campylirhynchus, 63.
Campylus, 52.
Cantharis, 56, 57.
 Carabus, 3.
 Cardiapus, 90.
 Cardiophorus, 53.
 Carpalimus, 129.
 Carpophilus, 36.
 Cassida, 87.
Cataphagus, 54.
Cateretes, 36.
 Catops, 30.
Catops, 31.
 Celia, 8.
 Celiodes, 65.
Centroglossa, 110.
Cephalotes, 8.
Ceranota, 109.
 Ceratophyus, 47.
 Cercus, 36.
 Cercyon, 26.
Cercyon, 28.
Ceruchus, 47.
 Cetonia, 51.
 Ceutorhynchus, 63.
Ceutorhynchus, 63, 65.
Chaetarthria, 25.
Chaetocnema, 90.
 Chilocorus, 94.
Chilocorus, 94.
 Chlænius, 4.
Choleva, 30.
 Chrysomela, 91.
Chrysomela, 93.
 Cicindela, 1.
 Cillenum, 11.
 Cionus, 62.
 Cis, 59.
 Cistela, 100.
 Clambus, 35.
 Cleonus, 76.

- Cleopus, 62.
 Clivina, 4.
 Clythra, 93.
 Clytus, 83.
 Cneorhinus, 79.
Cneorhinus, 78.
 Coccidula, 96.
 Coccinella, 97.
Coccinella, 94, 95, 96, 97, 98.
Cælostoma, 25.
 Colenis, 34.
 Colobopterus, 48.
 Colon, 31.
Colydium, 99.
 Colymbetes, 16.
 Conurus, 111.
 Coprophilus, 129.
 Corticaria, 43.
 Corymbites, 53.
 Cossonus, 61.
 Cratonychus, 52.
 Creophilus, 116.
 Crepidodera, 88.
 Crioceris, 86.
 Cryptobium, 123.
 Cryptocephalus, 94.
 Cryptohypnus, 53.
 Cryptophagus, 40.
Cryptophagus, 40.
 Cryptopleurum, 28.
 Cryptorhynchus, 66.
 Cychramus, 38.
Cychramus, 38.
Ctenicerus, 53.
Curtonotus, 9.
 Cychrus, 3.
 Cyclonotum, 25.
 Cyllidium, 25.
 Cymindis, 3.
Cyngetis, 98.
Cypha, 111.
Cyphon, 55.
 Cytillus, 45.
 Dasytes, 57.
 Deleaster, 130.
 Deliphrum, 132.
 Dendrophagus, 135.
 Dendrophilus, 46.
Deporaus, 82.
 Dermestes, 44.
 Diacanthus, 54.
 Dianous, 125.
 Diastictus, 50.
 Dictyopterus, 56.
 Diglossa, 110.
 Dircaea, 101.
 Ditoma, 39.
 Dolopius, 54.
 Donacia, 85.
 Dorcadion, 84.
 Dorytomus, 69.
 Dromius, 3.
 Drusilla, 105.
Dryops, 28.
 Dyschirius, 4.
 Dytiscus, 15.
 Elaphrus, 1.
 Elater, 53, 135.
Elater, 45.
 Ellescus, 69.
 Elmis, 18.
 Elodes, 55.
 Elonium, 129.
Encephalus, 110.
 Endomychus, 98.
Enicocerus, 23.
Epilachna, 98.
 Ephistemus, 42.
 Epurea, 36, 135.
 Erirhinus, 69.
Euchlora, 51.
Eulissus, 115.
 Euplectus, 105.
 Exochomus, 94.
Exophthalmus, 52.
 Falgaria, 105.
Feronia, 7, 8.
Gabrius, 121.
 Galeruca, 87.
Galleruca, 87.

- Gastrodus*, 75.
 Gastrophysa, 92.
 Geodromus, 130.
 Georissus, 44.
 Geotrupes, 47.
Geotrutes, 47.
 Gibbium, 58.
 Goerius, 117.
 Goniocтена, 93.
 Grammoptera, 85.
 Graptodera, 87.
 Grypidius, 69.
 Gymnætron, 62, 135.
 Gymnusa, 110.
 Gyrius, 22.
Gyrohypnus, 114, 115.
 Gyrophæna, 110.

 Haemonia, 86.
 Halipilus, 21.
Hallomenus, 101.
Haltica, 87.
 Halyzia, 98.
Hammonius, 52.
 Harmonia, 97.
 Harpalus, 10.
 Hedobia, 58.
 Helobia, 2.
 Hellodes, 93.
 Helophorus, 22, 135, 136.
 Helops, 100.
 Heptaulacus, 50.
 Hesperophilus, 127.
 Heterocerus, 29.
 Heterophaga, 99.
 Hippodamia, 96.
 Hister, 46.
Hister, 30, 46.
 Homalota, 106.
 Hydriobius, 33.
 Hydræna, 24.
 Hydrobius, 24.
Hydrobius, 24, 25.
 Hydrochus, 23.
 Hydronomus, 69.
 Hydrophilus, 30.
 Hydroporus, 18.

Hydroporus, 18.
Hygrotus, 18.
 Hylastes, 60.
 Hylecetus, 60.
 Hylesinus, 60.
 Hylobius, 75.
 Hylurgus, 60.
Hylurgus, 60.
Hypera, 74.
 Hyperaspis, 95.
Hypnoidus, 53.
 Hypocyptus, 111.

 Idalia, 96.
 Ilybius, 16.
 Ips, 38.
Ischnosoma, 114.

 Laccobius, 24.
 Laccophilus, 17.
 Lacon, 52.
 Lamia, 84.
Lamprias, 4.
 Lampyris, 56.
 Lasia, 98.
 Lathridius, 42.
 Lathrimæum, 132.
 Lathrobium, 123.
Lathrobium, 124.
 Lebia, 4.
Leiochiton, 4.
Leiodes, 33, 34.
 Leiopus, 83.
 Leiosomus, 75.
 Leirus, 9.
 Leistus, 2.
 Leja, 14.
 Lema, 86.
Lepidotus, 52.
 Leptacinus, 115.
 Leptinus, 32.
 Lesteva, 131.
Lesteva, 130.
 Limnebius, 24.
 Limnesius, 40.
 Limobius, 74.
 Limonius, 52.

Lina, 92.
 Liodes, 34.
 Liophlæus, 76.
 Lithocharis, 124.
 Litodactylus, 68.
 Longitarsus, 89.
 Lopha, 15.
 Loricera, 4.
Lucanus, 47.
Ludius, 53, 54.
 Luperus, 87.
Lyctus, 39, 40.
 Lycus, 56.
 Lymexylon, 60.

Macrocnema, 90.
Macroplea, 86.
 Magdalinus, 70.
Magdalis, 70.
 Malachus, 57.
 Malthinus, 57.
Mantura, 89.
 Mecinus, 62.
Medon, 124.
Megacronus, 113.
 Megarthrus, 133.
Megarthus, 134.
 Megasternum, 28.
Meladema, 16.
 Melandrya, 100.
 Melanotus, 52.
Melasoma, 92.
 Meligethes, 37.
 Melinopterus, 50.
 Meloe, 102.
 Melolontha, 50.
 Merionus, 75.
 Mesites, 61.
Metæcus, 101.
 Mezius, 59.
Miarus, 62.
 Miccotrogus, 68.
 Micralymma, 130.
 Micraspis, 94.
 Micropeplus, 134.
Microsaurus, 121.
 Miscodera, 4.

Mniophila, 91.
Molytes, 75.
Monochamus, 84.
 Monohammus, 84.
 Monotoma, 42.
 Mordella, 101.
 Morychus, 45.
 Mycetæa, 42.
 Mycetoporus, 114.
 Mylaechus, 31.
 Myllæna, 110.
 Mrymedonia, 105.
 Myrrha, 97.
 Mysia, 97.

Nanodes, 61.
 Nanophyes, 61.
 Nebria, 2.
 Necrobia, 58.
 Necrodes, 29.
 Necrophorus, 29.
Nedyus, 63.
 Nitidula, 37.
Nitidula, 36, 37.
 Notaphus, 12.
 Notaris, 69.
 Notiophilus, 2.
 Notoxus, 103.
Nundina, 96.

Ocalea, 106.
 Octhebius, 23.
 Ocypus, 117, 118.
Odontonyx, 7.
Oiceoptoma, 30.
 Olibrus, 35.
 Oligota, 110.
 Olisthopus, 7.
 Olophrum, 131.
 Omalium, 132.
Omalius, 129, 130, 131, 132, 133.
 Omaseus, 7.
 Omias, 72.
 Omosita, 37.
 Onthophagus, 48, 135.
 Onthophilus, 46.
 Ophonus, 10.

- Orchesia, 101.
 Orchestes, 66.
 Orechtochilus, 22.
 Orobites, 62.
Orthocerus, 39.
 Orthocætes, 66.
 Othius, 114.
 Otiorhynchus, 71.
Otiorhynchus, 72.
 Otophorus, 48.
 Oxypoda, 108.
 Oxystoma, 79.
 Oxytelus, 128.
Oxytelus, 129.

Pachyrhinus, 68.
 Pachyta, 84.
Pæderus, 124.
 Paramecosoma, 41.
 Parnus, 28.
 Patrobus, 5.
Pella, 105.
 Pelophila, 2.
 Percosia, 8.
 Peryphus, 13.
 Phædon, 93.
Phædon, 92, 93.
 Phalacrus, 35.
Phalacrus, 35.
 Philax, 99.
 Philhydrus, 25.
 Philonthus, 118.
Philonthus, 121.
 Philopedon, 79.
 Phlæobium, 134.
Phlæobium, 133.
 Phlæonomus, 133.
 Phlæopora, 106.
 Phloiophilus, 58.
 Phosphuga, 30.
 Phratora, 92.
Phylan, 99.
 Phyllobius, 73.
 Phyllopertha, 51.
 Phyllotreta, 88.
 Phymatodes, 83.
 Phytobius, 68.

 Phytonomus, 74.
Phytonomus, 74.
 Phytosus, 109.
 Pissodes, 71.
 Placusa, 110.
 Platycerus, 47.
 Platysma, 8.
 Platystethus, 128.
 Plectroscelis, 90.
Plinthus, 74.
 Pocadius, 38.
 Podabrus, 56.
 Podagrica, 88.
 Pœcilus, 7.
 Pogonocherus, 84.
Pogonocherus, 83.
 Polydrusus, 76.
Polystoma, 109.
 Poophagus, 63.
 Pristonychus, 5.
 Proteinus, 133.
 Pselaphus, 104.
 Psylliodes, 90.
 Ptenidium, 32, 135.
 Ptilinus, 59.
 Ptilium, 32.
 Ptinus, 58.
Ptinus, 58.
Ptomaphagus, 30.
 Pytho, 100.

 Quedius, 121.
Quedius, 121.

 Ragonycha, 57.
 Ramphus, 79.
Raphirus, 121.
 Rhagium, 84.
Rhinodes, 70.
 Rhinomacer, 82.
 Rhinonecus, 63.
 Rhinosimus, 102.
Rhinusa, 62.
 Rhizophagus, 39.
 Rhynchites, 82.
 Rhyncolus, 61.
Rhynchophorus, 61.

- Rhyzobius, 96.
 Ripiphorus, 101.
 Rugilus, 125.
- Salpingus, 102.
Salpingus, 102.
 Saperda, 84.
Saperda, 84.
 Saprinus, 46.
 Sarrotrium, 39.
Sauriodes, 114.
 Scaphisoma, 135.
 Sciaphilus, 78.
 Scryptia, 101.
Scutopterus, 16.
 Scydmaenus, 103.
 Scymnus, 95.
 Serica, 51.
 Sericosomus, 54.
Sericus, 54.
 Serropalpus, 101.
 Sphæridium, 26.
Sphæridium, 95.
Sphaeriestes, 102.
 Sphærites, 30.
Sphaeroderma, 90, 91.
Sphærulea, 61.
 Silpha, 30.
 Simplicaria, 45.
 Sinodendron, 47.
Sitona, 77.
 Sitones, 77.
 Silophilus, 61.
 Soronia, 37.
 Spartophila, 93.
Spartophila, 93.
 Sphodrus, 5.
 Strangalia, 85.
 Staphylinus, 116.
Staphylinus, 117.
 Stene, 99.
 Stenolophus, 10.
 Stenus, 125.
 Steropus, 7.
 Stilicus, 125.
 Stomis, 8.
Strongylus, 38.
- Strophosomus, 78.
 Styphlus, 66.
Sub-coccinella, 98.
 Sunius, 125.
Sunius, 124.
 Sylvanus, 40.
Synchita, 39.
 Syntomium, 130.
 Synuchus, 6.
- Tachyerges, 67.
 Tachyporus, 111.
 Tachypus, 12, 15.
 Tachys, 12.
 Tachyusa, 106.
Tænodoma, 129.
Tamnophilus, 70.
Taphria, 6.
Tarus, 3.
 Tasgius, 107.
 Telephorus, 56.
Telephorus, 56.
 Telmatophilus, 40.
 Tenebrio, 100.
 Tetratoma, 42.
Tetratoma, 33.
 Teuchestes, 48.
 Thalydra, 38.
 Thanasimus, 58.
 Thea, 98.
 Thinobius, 129.
 Throscus, 45.
Thyamis, 89.
Thylacites, 79.
 Timarchia, 91.
 Tomicus, 60.
 Trachyphlœus, 73.
Trenosoma, 129.
 Trechus, 11.
Trechus, 11.
 Tribolium, 99.
 Trichius, 51.
 Trichoderma, 116.
 Trichopteryx, 32.
Trichopteryx, 32.
Tritoma, 95.
Trixagus, 45.

Trogophlæus, 129.
Trogosita, 39.
Tropiphorus, 75.
Trox, 50.
Tychius, 68.
Tychus, 104.
Tylodes, 65.
Typhæa, 40.

Typhæus, 47.

Xantholinus, 115.

Xantholinus, 121.

Xylodromus, 132.

Zyras, 105.

THE END.

ERRATA.

Page 16, 7th line from top, *for* "Sculopterus," *read* "Scutopterus."

Page 26, 3d line from bottom, *for* "Melanocephalus," *read* "Melanocephalum."

"Heister litorens Hardy (M.S.); ovalis, niger,
nitidus; thorace minus convexo, utrinque
linea laterali, submarginali; elytris
striis dorsalibus septem, secunda inter-
rupta; fossula laterali punctata; tibiis
anticis sec. dentatis; Long. corp. lin. 3.

Of the likeness of *H. carbonarius*, but
smaller & narrower; black, shining, shortly
oval; the curve on the head forming a wider
arch than in *H. carbonarius*. Thorax, very
smooth with a minute scattered punctulation
not so convex as in *H. carb.*; More flattened at
the lateral margins whence the edge is
sharper than in *H. carb.*; the lateral line
on each side is nearer to the edge than in that
species, fades out towards the base which
is approximates, is shallow impunctate,
and has, (one on each) a shallow depression
behind the middle. Elytra not dilated behind
the base as in *Carb.*; each with 7 striae, striae
indistinctly punctate, the second & sutural unite
before reaching the base & form an elliptical space.
the somewhat interrupted; the third does not quite
reach the base, & before its termination turns towards
the second, as if going to combine with it;
interstices with a fine scattered punctulation;
lateral Soveae rather coarsely punctate as in
H. carb.; anterior tibiae with six sharp teeth.
legs black; The tarsi, apices of the elytra slightly
the posterior margins of the abdominal segments and
the tips of the coxae piceous; The exposed upper
portion of the abdomen less closely punctate than in

H. carbonarius.

One specimen found by J. P. Duncan, Esq,
on the seacoast at Monkton, Ayrshire
in 1852.

This appears to have an affinity with
H. marginatus Erichson in Klug, Sabrot,
144; but the description given by Fleece
(*Tr. Col. New. Tr.* 456.) is too brief to
bring out its character.
The arch on the head of *H. carbonarius*
is U; in *litoreus* it is S". 1856.

The ...

Some specimens found by P. ...
in the ... of ...
in 1875.

This appears to have an affinity with
the
but the description ...
of ... Vol. II. ...
the ... of ...
it is ...

M. barbosus.

One specimen found by S. P. Dana
on the coast at ~~the~~ *Albatross*, *Albatross*
in 1852.

This appears to have an affinity with
Platygaster *Erichson* in *Key*, *Labels*,
1851; but the description given by them
(*Ann. Cal. Nat. Hist.*, p. 65) is too brief to
bring out its characters.
The arch on the head of *M. barbosus*
is 4; in *litoreus* it is 5. 1852.

