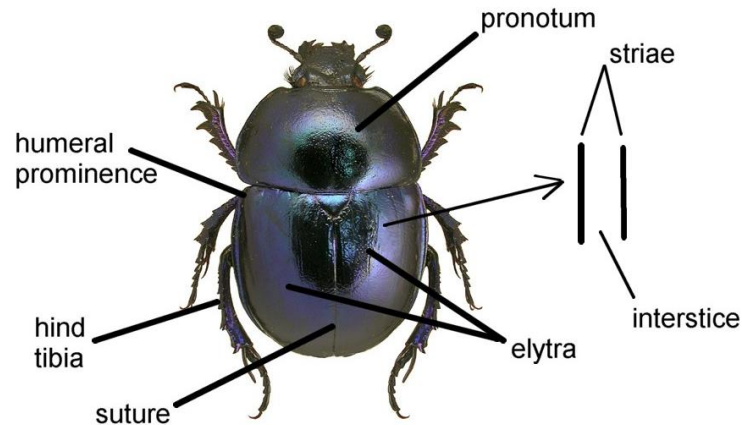


Family Geotrupidae

Key to species adapted and updated from Joy (1932) A Practical Handbook of British Beetles.



Checklist

From the Checklist of Beetles of the British Isles, 2012 edition, edited by A. G. Duff (available from www.coleopterist.org.uk/checklist.htm). Currently accepted names are written in bold italics, synonyms used by Joy in italics.

Subfamily BOLBOCERATINAE

Genus ***ODONTEUS*** Samouelle, 1819
armiger (Scopoli, 1772)

Subfamily GEOTRUPINAE

Genus ***TYPHAEUS*** Leach, 1815 (= *Ceratophyus*)
typhoeus (Linnaeus, 1758)

Genus ***ANOPLOTRUPES*** Jekel, 1866 (included in *Geotrupes* by Joy)
stercorosus (Scriba, 1791)

Genus ***GEOTRUPES*** Latreille, 1796
mutator (Marsham, 1802)

spiniger (Marsham, 1802) 444
stercorarius (Linnaeus, 1758)

Genus ***TRYPOCOPRIS*** Motschulsky, 1860 (included in *Geotrupes* by Joy)
pyrenaeus (Charpentier, 1825)
vernalis (Linnaeus, 1758)

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Family Geotrupidae

Key to genus adapted from Joy (1932) by Mike Hackston.

- 1 Elytra finely bordered along the suture.
Front femora without a large dense patch of yellow hairs on the front face. Head of male with a long horn that curves back over the pronotum; pronotum of males also with short horns. Length 7-10 mm.

..... ***Odontaeus armiger***

Very rare, S.E. England, Flies in daylight and at dusk.



male

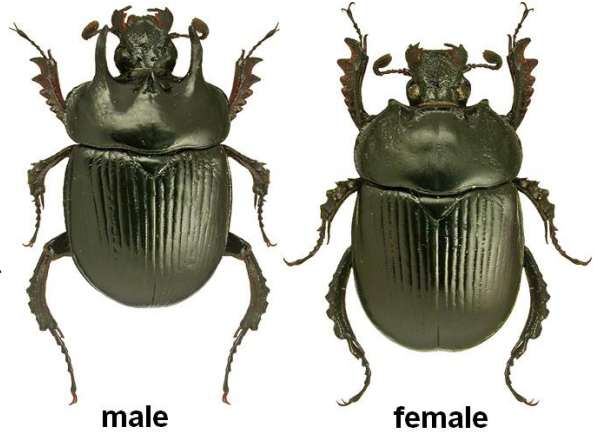
female

Elytra not bordered along the suture. Front femora with a large dense patch of yellow hairs on the front surface, Head of males without a horn; pronotum with or without horns.2

- 2 Pronotum broadest at about half way. Male with the front of the pronotum each side extending into a long tooth; female with these represented by short teeth.

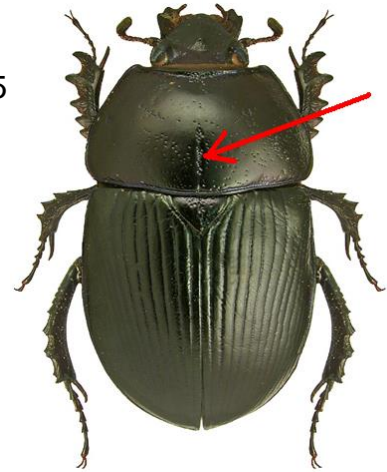
..... ***Typhaeus typhoeus***

Length 11-18 mm.; local but widespread; associated with rabbit droppings, often in holes in sandy ground.



Pronotum broadest at the base and without teeth.3

- 3 Pronotum with a longitudinal impressed line or row of punctures in the middle of the base; elytra with very distinct striae.5



Pronotum without an impressed line or row of punctures at the base; elytra without striae, or striae very indistinct; length 11-15 mm. Genus *Trypocopris*. ..4

- 4 Very shining species; top of pronotum with fine, scattered punctures; segments of the abdomen viewed from underneath with very fine and scattered punctures in the middle.

..... ***Trypocopris pyrenaeus***

Local in SE England

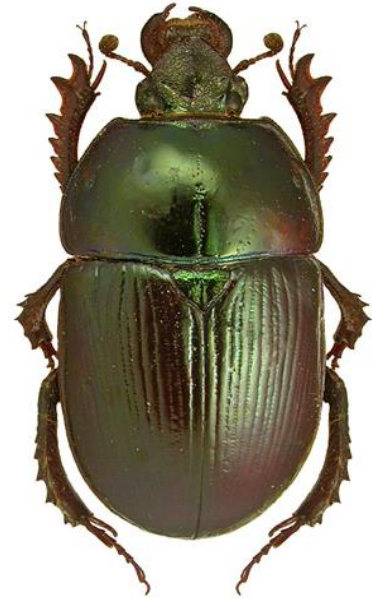
Comparatively dull species; top of pronotum with dense punctures of varying size; segments of the abdomen viewed from underneath with strong and dense punctures all over.

..... ***Trypocopris vernalis***

Local species



- 5 Elytra with 9 striae on each between the suture and the humeral prominence. Length 17-26 mm.
..... ***Geotrupes mutator***
Local in southern England northwards to Staffordshire



Elytra with 7 longitudinal ridges on each. Common species.6



- 6 Pronotum and elytra more distinctly broad compared to their length; elytra with the striae less deep and the interstices with transverse net-like sculpturing throughout; on the hind tibiae a raised transverse line joins the apical two pairs of teeth; length 13-17 mm.
 ***Anoplotrupes stercorosus***



Pronotum and elytra less distinctly broad compared to their length; striae deeper with transverse net-like sculpturing if present, only towards the apex; hind tibia with raised transverse lines joining the apical three pairs of teeth. Length 16.25 mm.7



- 7 Less shining species, generally without a metallic lustre; pronotum more densely punctured at the side; underside of abdomen with a longitudinal line in the middle which has no punctures or hair.
 ***Geotrupes spiniger***



- More shining species with a distinct metallic lustre; pronotum less densely punctured at the sides; underside of abdomen with punctures and hair all over.
 ***Geotrupes stercorarius***

