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](http://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)
- *pyrenaicus* (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.

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. ....................
.............. \textit{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. ....................................................................................................................
.............. \textit{Geotrupes stercorarius}