

BRITISH ENTOMOLOGICAL & NATURAL HISTORY SOCIETY AND CARLISLE
NATURAL HISTORY SOCIETY MEETING AT TULLIE HOUSE MUSEUM AND
CUMBRIA BIODIVERSITY DATA CENTRE, CARLISLE

Saturday 7th May 2011

UPLAND INSECTS

Morning Session

- 10.30 **Arrival** *refreshments available in Tullie House restaurant*
- 11.00 **Introduction and welcome:** Tony Pickles (BENHS), Stephen Hewitt
(Tullie House Museum/CNHS) & Teresa Frost (CBDC)
- 11.10 **Upland insects in Cumbria:** Stephen Hewitt
- 11.45 **An assessment of Scotland's montane invertebrate fauna:** Graham
Rotheray (National Museums of Scotland)
- 12.25 **Trichoptera of Cumbria – are there any upland specialists?:** Ian
Wallace (World Museum, Liverpool)
- 13.00 *lunch in the Tullie House restaurant or nearby facilities*

Afternoon Session

- 14.00 **Is the Upland Summer Mayfly (*Ameletus inopinatus*) in hot water?:**
Louis Kitchen (Riverfly Partnership)
- 14.35 **Upland moths and leaf-miners:** Keith Bland
- 15.10 **Northern dragonflies and the conservation of the White-faced Darter
(*Leucorrhinia dubia*) in Cumbria:** David Clarke (British Dragonfly
Society/Carlisle Natural History Society)
- 15.45 **Close of meeting** *and an opportunity to view the insect collections in
Tullie House Museum*

Please book via the Tullie House Museum Box Office: 01228 618700

A field meeting to the woodlands and wetlands of Borrowdale is planned for the following day. See BENHS field meetings programme for details.

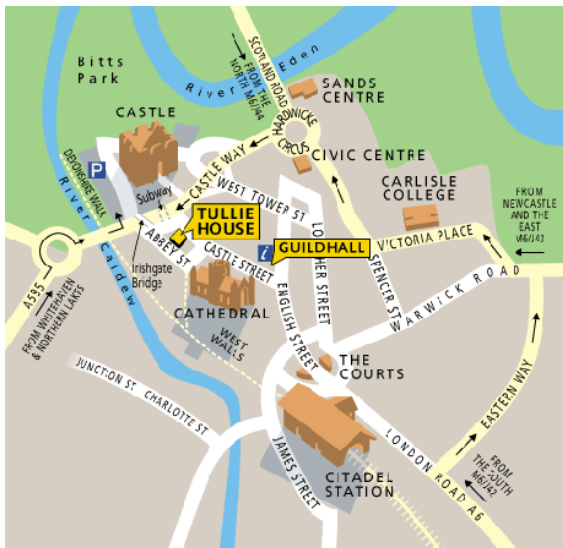
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Cumbria contains the highest ground in England and the fells of the Lake District and northern Pennines provide significant blocks of upland habitat, each with distinct features of geology, topography, vegetation and insect faunas. There are some affinities with the rich montane invertebrate fauna of the Scottish Highlands and a limited number of these species occur as isolated relict populations on the Cumbrian high fells. There are concerns that the effects of climate change are likely to be detrimental to the survival of some of these species in England. The difficulties of surveying in the mountains and relatively low numbers of specialist upland species in comparison with the Scottish Highlands has often led entomologists to bypass the Cumbrian fells in favour of the richer rewards to be had further north. As a result, with some notable exceptions, the knowledge of the upland insect fauna of the region is surprisingly incomplete and a number of species may well be overlooked. The day's talks explore our existing knowledge of the upland insects of northern England and look at some conservation concerns. Contrast with the fauna of the Scottish Highlands provides context and may indicate potentially productive areas for further study.

Our host, Tullie House Museum, has significant insect collections providing a broad coverage of British species. Material dates back to late 19th century and major collections include those of F.H. Day (1875-1963), G.B. Routledge (d.1934), James Murray (d.1942) and Neville Birkett. Tullie House Museum and Carlisle Natural History Society have jointly collected and disseminated records of insects and other wildlife in Cumbria since 1893. From the early 1990s the Museum has developed a computerised database of species and habitat records in Cumbria and has taken a central role in providing a local biodiversity data service for the county. In 2010, this role was reconstituted as the Cumbria Biodiversity Data Centre (CBDC), a not-for-profit organisation hosted by the Museum and advised by local stakeholders.



Tullie House is a 10 minute walk from the railway station. By car enter the city following the M symbol until this brings you to Hardwicke Circus roundabout. Take the exit signed A595 Workington. Keeping in the outside lane of the dual carriageway, drive past Tullie House.

Go straight on at the traffic lights. When you reach the roundabout at McVities factory double back on yourself and drive back along the other side of the dual carriageway keeping in the inside lane. Go straight across at the traffic lights and turn left at the sign for Devonshire Walk car park. Tullie House can be reached by using either the footbridge or the underground walkway situated just in front of the Castle.