**NORTHUMBRIA OUGS FIELD EVENT**

**Date:** Weekend 24/25 (+26 a.m.) August 2019 (English Bank Holiday)

**Title:** Peebles Weekend

**Leader:** Karl Egeland-Eriksen.

**Aim:** To investigate the central Southern Uplands features around Peebles.

**Meet:** Saturday 24th: Layby west side of A703 – 0.65 miles south of Leadburn (NT236543)

 Meet at 10.00 am.

 Sunday 25th: Roadside parking N side of B709 just east of junction with B7007 (NT358503)

 Meet at 10.00 am.

 Monday 26th: TBA

**Duration of trip:** 10 am to 4 pm. (Morning only on 26th)

**The Route:** Saturday: We will visit a selection of quarries north and west of Peebles, driving between localities. Locality 2 is a 1.5 mile (return) walk along a farm road to the exposures.

 Sunday: Again a variety of roadside quarries will be visited in the Heriot/Innerleithen area. One locality is a 1 mile walk (return) along a quarry access road.

 Monday: Localities yet to be finalised but will be south/east of Peebles. A short uphill walk to one quarry will be involved (1 mile return)

**Potential Hazards:** Most localities are in disused quarries so there will be hidden boulders, loose scree, steep faces etc. Also some are roadside so traffic may be an issue.

**Equipment Required:** Packed lunch. Bring any fieldwork equipment you like. Compass-clino, hand lens, notebook, camera, hammer, bag for samples may all be useful. Hard hats, goggles, trekking poles where appropriate.

 Walking Boots and waterproofs essential. Spare warm clothing advisable.

**Maps:** OS 1:50 000 **73** (Peebles, Galashiels & Selkirk)

1:25 000 **337** (Peebles & Innerleithen) BGS 1:50 000 **S24E** (Peebles)

 **S25W** (Galashiels)

**Geological Details:**

 The excursion is designed to show a variety of Lower Palaeozoic rock types (greywackes, shales, cherts and tuffs), their associated sedimentary and tectonic structures, and their depositional relationships. A small granitoid pluton is included. Chert and spilitic basalt lava form the base of one of the older sequences in the Southern Uplands, the probable Llandeilo (mid-Ordovician) succession contained in the northernmost structural block adjacent to the Southern Upland Fault. These lithologies are well exposed adjacent to the A701 road between Leadburn and Romano Bridge, in the neighbourhood of Noblehouse Farm, Lamancha, where cherts are sufficiently ferruginous to have been mined as iron ore in the late 19th century. Overlying the chert-basalt assemblage are siltstones and greywackes including the aptly-named "haggis rock", a coarse granular greywacke containing angular clasts of various colours. The lavas and cherts are thought to be the remains of oceanic crust on which the Southern Uplands greywacke sequences were deposited, although the chemistry of the basalts does not compare closely with that of modern mid-ocean ridge basalts.

**Further Details:** Karl Egeland-Eriksen egeland-eriksen@hotmail.com

Mobile number: 07513 777112 (note mobile reception may be poor in the area)

Please arrange own accommodation if staying over. The event takes place over the English August Bank Holiday weekend. It is not a Bank Holiday in Scotland and the Scottish school summer holiday will have finished, so hopefully a bit quieter. There are many places to stay in and around Peebles including hotels and B+Bs. I shall be staying at the Rosetta Holiday Park <https://www.rosettaholidaypark.com/> , just a short walk from the centre of Peebles. I will be there on Friday evening, leaving Monday morning.

We hope to arrange to meet up for dinner on the Saturday evening.

For those staying in Peebles we would recommend car sharing from Peebles for the excursions.

The Monday localities will only take up the morning and will be en-route for those heading for the A68 route back to the north-east. Of course, you may spend the rest of the day exploring the Peebles area. I can recommend Traquair House.

Peebles is about a 2 hour drive from Newcastle.