



Down to Earth *extra*

Issue 147 March 2025

NEWS FLASH...

New Zoom...

- The geology & mineral resources of Ukraine
Monday, March 17th

Field trips...

- Summer & Autumn trips
- book now!

2026 Iceland...

- September 13-22 - you can book now!

Winter Zoom classes...

- The Wednesday Club - all new lively topics!

Folded Lower Carboniferous strata at Apes Tor in Staffordshire. These impure limestones were deposited in somewhat deeper waters on the edge of a basin. They were presumably folded during the Variscan Orogeny. Close by is the pipe-like copper ore body that was exploited at Ecton Hill.

(Image: Chris Darmon)

From the Editorial team...

So now we have it, a credible reason why Russia's President Putin invaded Ukraine three years ago and why the USA's new President Donald Trump is so keen on a deal to end the war. Apparently it all comes down to minerals. Not just any old minerals, but rare Earth minerals.

If you aren't familiar with them, the rare Earth elements include Lanthanum, Europium and Promethium - the ones that have a score of 0 on the Pointless TV quiz. They are vital to the production of modern cars, mobile phones and computers and to the AI industry. In monetary terms a single kilogram of rich rare Earth bearing ore can be worth as much as a tonne of conventional metallic ore.

Over the past decade, as the importance and value of the rare Earths has increased, so has the geopolitics of their mining and exploitation. In recent times China has become the world's dominant producer. It holds the world's major reserves either within its own borders or in the continent of Africa where it has been ramping up the areas that it effectively controls, if not militarily then economically.

With the change of the guard in the US, President Donald Trump has clearly latched on to the fact, that previously had been known to only a few, that within the territory of Ukraine there lies an enormous reserve of rare Earth minerals. With the invasion of Ukraine by Russia in 2022 and the ongoing conflict three years later, now was the time to bring the conflict to an end. In the eyes of the US this has to mean that they, and not the Russians (in conjunction with their allies, the Chinese), get their hands on the mineral resources.

In the days and weeks ahead, it's going to be fascinating to see the twists and turns of any deal that may or may not be done to end the war. Who will the US do a deal with and what will the role of the valuable mineral resources be? Will it be a gift for America or a long term liability? How will it end for the Ukrainians and will the world be in a safer or more volatile state? We can only watch and wait.

*Chris Darmon & Colin Schofield
The Down to Earth Editorial Team*

**Join us on March 17th for a special Zoom session -
Ukraine: Geology & mineral resources - see page 10**



news update

Mineral deal at the heart of US and EU attempts to end the war in Ukraine...

New US President Donald Trump is reported to be in negotiations with Ukraine over a possible deal to trade valuable mineral and oil resources in payment for aid that has already been given to that country. Given that around 20% of Ukrainian territory is currently under the control of Russia, he also seems to be consulting President Putin.

Kyiv suggest that the value of the country's minerals is at least half a trillion \$ with rare Earths, graphite, oil and coal in the mix. The USA has viewed with increasing alarm the prospect that the Russians and their allies the Chinese could further increase their collective stranglehold on these key resources.

In a further twist to the story, it now seems that as of February 24th, a US deal may not be the only one in town for Ukrainian President Zelensky to consider. The European Commissioner for industrial strategy proposed a deal on a trip to Kyiv on Monday, linked to the third anniversary of Russia's full-scale invasion.

At first it seemed that this deal was in conjunction with that of the US, but that does not seem to be the case. The EU claims that its deal, far from being 'payment for past help' as the US has framed its bid, but instead being 'mutually beneficial'. The EU offer appears to be linked to the longterm aim of Ukraine becoming a full EU members in the years ahead.

Meanwhile several pro-Russian sources suggest that some of the



An unidentified opencast mine somewhere in the Russian conquered area of Eastern Ukraine, shows the scale of mineral operations.

richest mineral resources, particularly those already in production or in the course of becoming productive, are already under the control of

**Down to Earth extra is designed & published by Geo Supplies Ltd.,
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Russia, being situated in the east of the country around Kherson and Zaporizhia. In such a war torn country it's hardly surprising that real time factual information is hard to come by.

Against this backdrop up steps President Putin with an offer to President Trump of access to what he describes as 'Russia's mineral resources' presumably referring to the deposits in Russian occupied Ukraine. Putin's 'price' appears to be that Zelensky steps aside as President of Ukraine.

For his part, President Zelensky appears to be continuing to keep all the balls in the air as he juggles his options amid a constantly changed backdrop of continuing nightly deadly attacks from Russia and a US President who makes daily changes to his messages and policies.

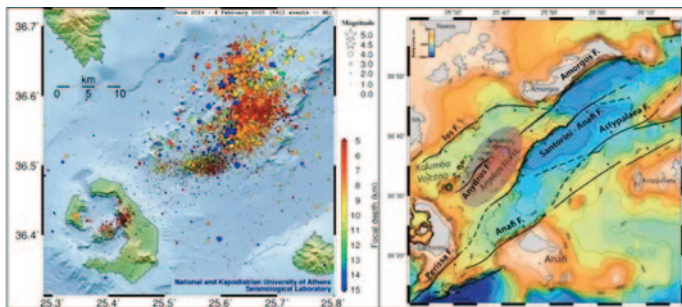
Update: It's understood that a mineral deal between the US and Ukraine has been agreed, though terms are not currently known.

What's happening in the Mediterranean as volcanoes erupt and the Earth shakes?

We've long known that the tectonics of the Mediterranean are complex and unpredictable. What began as a series of earthquakes affecting the Greek island of Santorini has now spread and we are witnessing increased volcanic activity at Mount Etna, Mount Stromboli and a swarm of tectonic activity centred on Naples' Campi Flegrei.

Large scale geological features in the present-day Mediterranean essentially result from two major processes: the tectonic displacement caused by the subduction of the African plate underneath the Eurasian plate; and the progressive closure of the Mediterranean sea involving a series of submarine-insular sills. This leads to a series of inter connecting events where movement in one place can trigger movement somewhere else. This makes the earthquake swarms in Santorini and Campi Flegrei particularly worrying in the short and medium term.

Some people are claiming that we are heading towards a major 'super volcano' scenario, linking these two area of the wider Mediterranean, whilst other dismiss the idea. Either way, we need to continue to monitor what's going on and to be prepared.



Santorini - Earthquake distributions of the Aegean Sea Earthquake Storm. Active faults are represented by black lines, while the subsiding block is indicated by arrows.
(Image: National Observatory of Athens)

Meanwhile Santorini's residents have voted with their feet with more than 10,000 departing the island for other parts of Greece. Schools on the island have closed and many government functions have ceased. Earthquakes are continuing with a 5.1 event occurring on February 18th.

Volcano Discovery, an excellent source for all things volcano and

earthquake records the fact that in a recent 7-day period, there have been more than 700 earthquakes of magnitude up to 3.8. At this kind of frequency and magnitude, it's little wonder why local inhabitants are getting scared.

Meanwhile, UNESCO had this to say about the Santorini earthquake swarm on February 17th.

"The ongoing swarm of earthquakes near Santorini continues to baffle scientists, keeping disaster risk management teams and equally people in general high alert and suspense. News of the seismic activity has spread worldwide. Santorini, essentially a massive volcanic caldera with two small islets at its submerged centre, has a long and turbulent volcanic history spanning 650,000 years.

It has witnessed catastrophic eruptions, including a cataclysmic blast around 1560 B.C. that contributed to the collapse of a civilization, a major explosion in A.D. 726, and even a moderate eruption in 1950. As part of an active volcanic system, it remains a region of concern.

Since January 31, 2025, seismic activity has surged across a 2,500 km² area northeast of Santorini, in proximity to the fault believed to be responsible for the July 9th, 1956 Amorgos earthquake and tsunami (Okal et al., 2009; Leclerc et al., 2024), raising further alarm. Amid ongoing seismic activity, the situation underscores the vital role of the UNESCO-IOC Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean, and Connected Seas (ICG/NEAMTWS)."

You can read the full UNESCO account here:

<https://www.unesco.org/en/articles/santorini-ongoing-earthquake-swarm>

Volcanic Experiences 2025

Small group tours to areas of superb geological interest

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Myvatn, Krafla and the Askja Caldera

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Oops, how observant were you?

The front cover of *Down to Earth extra* for February featured an image from Pembrokeshire which we said was: "A fine plunging anticline on the coast of Pembrokeshire at Newgale in South Wales".

In fact nothing could have been much further from the truth as *DtoE* reader Sid Howells told us:

- It's not at Newgale, it's at Caerfai Bay along the coast.
- It isn't a fold of any kind, it's steeply dipping strata showing both bedding planes and joints.

This is more of what Sid went on to say:

The sediments of the St Non's Sandstone, as seen in most of your image and the overlying Caerfai Bay Shales (just visible far right) were laid down during a marine transgression during the early part of Cambrian Period. The inclined bedding is on the southern limb of the St David's Anticline a large Caledonian structure, the hinge of which was lost through various phases of erosion. This includes the marine erosion of the late Cretaceous - early Tertiary that formed what is now the coastal plateau of the St David's Peninsula.



The Caerfai exposure and its wider context - the front cover image is in the centre of this view. (Image: Sid Howells)

GEOLOGY - ISLE OF ARRAN

Understanding The Earth



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Why not escape to Arran this Summer & learn about its fascinating Geology with like minded people?

SUNDAY 27TH JULY 2025

6 nights full board accommodation in twin or single rooms. Transport provided. 4 days of guided walks (1 free day) including some of Arran's classic locations.

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**Geology that does not cost the earth
£575.00 per person**

An unusual present idea - limited edition...

'The Cream of the Crop 2024'

As part of their work for Geo Supplies, your editorial team, Chris Darmon and Colin Schofield go to some very interesting places around the British Isles. Whilst they are in these places they often pick up rock specimens, most of which go to students and institutions both here and even around the world.

However there are also some rare or unusual rocks that don't form part of our regular stock and it is these that we've gathered together into a limited edition collection that we are offering as our 'Cream of the Crop 2024'.

The set comprises 12 carefully chosen specimens from around the British Isles including examples of sedimentary, igneous and metamorphic rocks. We'll be putting the sets together now and they will be available from March, when the exact list will be named. Each set comes boxed with notes and costs £49.95 including postage.

Purchase online at: geosupplies.co.uk or ring us on: 0114 245 5746.

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Did you know that there's an active volcano in Germany?

DtoE readers David and Sylvia Leathard sent us this item Wikipedia about Mount Eifel:

"The Volcanic Eifel, consists of three areas of volcanic activity, known as the West Eifel, High Eifel, and East Eifel volcanic fields. Volcanic Eifel is a region in the Eifel Mountains in Germany that is defined to a large extent by its volcanic geological history. Characteristic of the volcanic fields are their typical explosion crater lakes or maars, and numerous other signs of volcanic activity such as volcanic tuffs, lava streams and volcanic craters, for example the lake called the Laacher See. The Volcanic Eifel is still volcanically active today. One sign of this activity is the escaping gases in the Laacher See."



*Part of the landscape of Volcanic Eifel Geopark
(Image: Volcanic Eifel Geopark)*

Apparently the area is now part of a geopark, as this explains:

The volcanic field of the West Eifel, is a protected landscape in the volcanic Eifel geopark, is around 30 x 60 km in size and covers an area between Bad Bertrich in the south-east and Ormont in the north-west. About 100 cinder cones and 70 maar craters have been found here.

In November 2015, the volcanic Eifel nature and geopark and five other regions in Germany were certified as UNESCO global geoparks. With the confirmation of its status by the "International Geoscience and Geopark Programme" by the UNESCO General Conference, the volcanic Eifel nature and geopark has now achieved an international level of recognition that puts it on the same level as world heritage sites and biosphere reserves.

Even fish vomit can be fossilised...



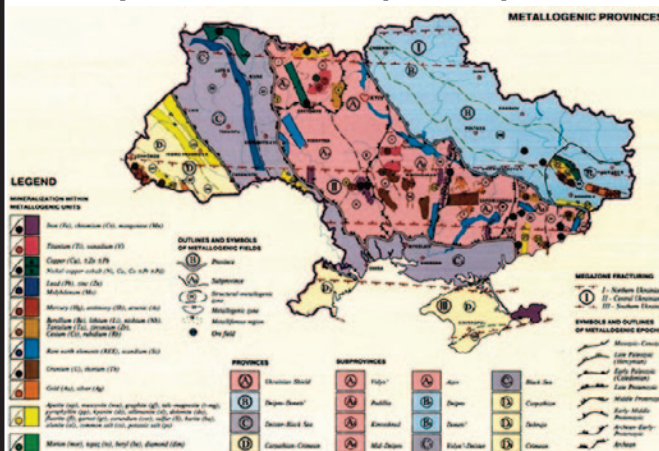
This, believe it or not, is fossilised fish vomit from 66 million years ago.

It was found on a beach on the Danish Island of Zealand.

(Image: Sten Lennart Jakobsen)

A specially extended 90-minute live Zoom session for everyone!

UKRAINE: Geology & Mineral Resources
Monday, March 17th at 3pm or 7pm



To book go to www.geosupplies.co.uk or ring us on 0114 245 5746

£15.00 or £22.00 for two people together.



Down to Earth - by e-mail...

If you've enjoyed reading this Down to Earth extra, you'll love our quarterly Down to Earth! It's a 32-page quality magazine in full colour that's packed with up to the minute geological news and articles. You can get your hands on this either in print or electronic formats. Why not request a FREE sample electronic copy of the current issue?

For 2025 why not treat yourself or a loved one to a gift subscription? Go to: www.geosupplies.co.uk and enter the online shop or ring us on 0114 245 5746.

Down to Earth is published quarterly and is available as a PDF e-subscription for just £10.00 for 1 year or £25.00 for 3 years. If you prefer a paper copy that is available for £17.00 for 1 year with back issues for 2024 included as well.

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Extra March 2025



Down to Earth

"Earth science learning for all"

Announcing our seventh Summer School...

Cliff College, Curbar
August 9-16 2025



Peak District geology at its very best!

- 6 full days of field work with a choice on some days
- A visit to a Castleton cavern
- A visit to the Peak District Mining Museum in Matlock Bath
- The Triassic rocks of Alderley Edge
- Visit to Wollaton Hall Museum, Nottingham
- The Torrs at New Mills - by train from Grindleford
- Geology of Matlock and Matlock Bath
- Geology of Monsal Head & Dale (see image above)
- Coach/minibus transport to field locations
- Full board accommodation in single ensuite rooms (can also be double rooms)
- Evening talks and activities from visiting speakers and our own team
- Social events and opportunities for down time

Everyone is invited to join us for our annual Summer School. The cost is £1395.00 per person whether you are in a single or shared room.

See the brochure & book online at www.geosupplies.co.uk
Email downtoearth@geosupplies.co.uk or ring us on 0114 245 5746
Geo Supplies Ltd 49 Station Road, Chapeltown, Sheffield S35 2XE

Great geo-adventures in 2025/6 begin here...



With the white buildings of Torquay in the background, this is the near vertical Devonian strata in the cliff. This location is known as London Bridge and will be seen on a boat cruise around the bay. (Image: Chris Darmon)

We still have vacancies on the following trips this Summer: the Western Lake District, the Yorkshire Coast and our Peak District Summer School. For the Autumn we have space available on our Torbay trip in October.

We were unable to secure sufficient hotel beds for our September Iceland trip and have rescheduled it for September 2026. Bookings are already being taken at the 2025 price!

To view a brochure, go to our website at:
www.geosupplies.co.uk or Tel: 0114 245 5746

Remember that booking forms are only available direct from us:

Email: downtoearth@geosupplies.co.uk

Residential Field trip programme 2025/6...

2025

- Isle of Arran, March 30-April 6
- Troodos Mountains, Cyprus, April 24-May 1
- Scarborough, Yorkshire Coast June 1-6
- Mull & Ardnamurchan, June 11-18
- Western Lake District, June 25-30
- Heart of Wales, July 9-16
- Peak District Summer School, August 9-16
- Torbay, South Devon, October 8-15

2026

- Iceland North & East Fjords, September 13-22

Early booking is advised, especially if you are looking for a single room.

Search online at www.geosupplies.co.uk or ring us on 0114 245 5746
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If you haven't joined one of our residential field trips before, what can you expect?

- *Our residential field trips are suitable for adults of all levels of interest and geological knowledge.*
- *Our trips are friendly and informal and usually comprise 15-20 people. Overseas trips are usually larger.*
- *We usually make use of comfortable small hotels and guest houses and all meals are included.*
- *You have the services of Chris Darmon and Colin Schofield as field leaders. Both are highly experienced and knowledgeable field geologists.*
- *For some trips we have a hired minibus but on other trips we will use shared cars, or even public transport.*
- *Dates shown in this listing are the start and finish dates.*
- *Where prices are quoted, they are per person in a shared twin/double room.*

If you still have any questions or queries, don't hesitate to email us at: downtoearth@geosupplies.co.uk or tel: 0114 245 5746

Before you book for 2025...

We are always pleased to welcome new people along on our trips. So if you are thinking about it, what do you need to know before you 'take the plunge'?

Who are the trips aimed at?

The short answer is that they are not aimed at any particular group of people. Our participants are mainly older retired people who want to keep their minds and bodies active, but younger people are welcome.

Some people have lots of geological field experience whilst others are complete beginners. As one person put it to us "I've forgotten all I once knew and need to come along to hear it again." Our UK trips are all small groups of 15 to 20 people maximum so we can make lots of what we say personal to you.

Will I be able to manage the walking?

We always try to keep walking to a minimum, but, almost by definition, some walking will be involved. If you can't manage a particular walk, just tell us and it will never be a problem for you not to do it. We have one person who really enjoys sketching - she's done some amazing sketches while the rest of us visit a quarry!

How do we get about on trips?

It varies a lot from trip to trip. Sometimes we hire a minibus, on other occasions we use public transport and at other times we'll make use of shared cars. Look at the details for each trip to find out.

What about accommodation?

We always try to use hotels or guest houses that have ensuite rooms as standard. Most of our accommodation will provide breakfast and evening meals, but sometimes we eat in local restaurants. We include the cost of all food, including a packed lunch for each field day.

We prefer to use small family run hotels and guest houses but they are getting harder to find, so sometimes we use larger hotels such as Premier Inns and hotels in the Leisureplex group. Once again, see the individual trip brochures for details.

Are your bookings safe with us?

Yes indeed they are! We've been in the business of running trips a long time and ensure that all the money you pay us is safe in a client trust account until your trip is completed.

The 2025/6 programme...

We are delighted with the way that our 2025 programme has been received, with a number of trips now fully booked. Unfortunately we've been forced to cancel our September trip to Iceland because we are unable to get sufficient hotel beds at the required times.

We've now fixed Iceland for September 13-22 2026 and we've also taken our first look at the 2026 season - see later in this section.

To make a booking email us at:

downtoearth@geosupplies.co.uk or ring us on: 0114 245 5746
Whilst the brochures are, or will be, available on our website, booking forms are only available from us. You can then arrange to pay the deposit and we'll send you the booking form.

Isle of Arran, March 30-April 6

£1395

Welcome to the Isle of Arran that is the original geologists' paradise. James Hutton was probably the first person to study the geology of Arran in 1786 when he described an unconformity at Lochranza. Since then, thousands have trod the paths to examine the rocks! Arran is currently going down the path to become a full geopark.



Arran on a beautiful day showing the landscape and a magnificent raised beach. (Image: Scottish Geology Trust)

This trip is based at the very comfortable (and warm) Best Western Kinloch Hotel at Blackwaterfoot on the Island's quiet west coast. We spend a leisurely week examining most parts of Arran, making full use of unlimited travel on the local buses - the terminus of the main route is right outside our hotel.

We may be able to fit you in - contact us now!

NEW! Scarborough, on the Yorkshire Coast June 1-6 £895

Amazingly, we have never based a trip at Scarborough the 'queen' of the Yorkshire Coast, for the simple reason that we've never found suitable accommodation! Based at the comfortable Cumberland Hotel, we'll spend 5-nights in and around the town, taking in field visits to places like Filey, Forge Valley, Robin Hoods Bay and Whitby to mention just a few. This will allow us to examine rocks from the Jurassic and also the Cretaceous with lots of fossils and sedimentary structures that give us clues to ancient environments.

At the time of writing we have single and double rooms available.

Welcome to our exciting world!



The Cumberland Hotel in Scarborough. (Image: Leisureplex)

Isle of Mull & Ardnamurchan June 11-18 £1695

We have managed to secure reasonably priced accommodation at the Park Lodge Hotel in Tobermory and this trip replaces the one previously advertised to Raasay.

The Isle of Mull and Ardnamurchan will put two Tertiary igneous centres at our disposal with that on Mull being one of the most imposing, whilst that on Ardnamurchan is the most accessible. We also hope to be able to take in a visit to the tiny Isle of Staffa with its famous basalt columns, depending on the weather. Another highlight will be a visit to the Island of Iona with its Precambrian rocks.



Near the lighthouse at Ardnamurchan Point

With at least one full day on Ardnamurchan we'll be able to take in the fossiliferous Jurassic sediments as well as the basement metamorphics from the Moinian and the Tertiary igneous rocks.

We have one twin and one double room left, but get in NOW!

Western Lake District, June 25-30 £895

The Lake District is renowned for its superb landscape and scenery, but access to the central part is limited and accommodation is very expensive. We have previously stayed at Summergrove Halls in Whitehaven, but this is no longer available to us. Accordingly we've turned to Workington and the comfortable modern Premier Inn.

From Workington we'll be able to access all of the Western Lakes,

with trips to see places like Eskdale, Lake Windermere, the iron mines of West Cumbria and St Bees Head.

At the time of writing we can accommodate about four more people in double rooms.

Heart of Wales. July 9-16

£1295

This is one of the most unusual offerings in our 2025 programme, for the simple reason that's an area that very few people know about. Mid-Wales, or as we prefer to call it, the Heart of Wales is a sparsely populated area set in the county of Powys.

We'll be based in the quirky Neuadd Arms in the quiet village of Llanwrtyd Wells, which offers excellent food, including an afternoon tea and cake, and even an onsite brewery!

From here we'll explore the surrounding area, taking in Llandrindod Wells with its fossils, Builth Wells with its volcanic rocks, Llandeilo and its famous Ordovician rocks. We take in the local Elan Valley rocks and scenery, the minerals of Cwmystwyth and the fine cliffs of Aberystwyth.

At the time of writing we have vacancies for two more people.

What is our Summer School?

Our Summer School is modelled on those that used to be run by the Open University a number of years ago. All are based on a campus of one sort or another where we can sleep in largely single, en-suite study bedrooms and enjoy on site meals. They are also more than just field trips with dedicated transport each day. There's an evening programme of talks from local experts and also social events. In short - something for everybody, including those with limited mobility!

Summer School Peak District, August 9-16

£1395

For the first time in the 7-year history of our Summer School weeks we're actually returning to a place that we've visited before. Cliff College in the Peak District of Derbyshire is a well known Methodist theological college. It provides excellent ensuite bedrooms and lovely home cooked food, and makes for an ideal summer school base.



The beautiful grounds of Cliff College (Image: Cliff College)

We'll be sampling lots of the excellent local geology and giving you those added summer school bonuses of evening talks and special visits to places of cultural and historic interest as well as geology.

We can accommodate lots more people at this stage, including people looking for a single room.



Distinctive Red Permian rocks of South Devon

The South Devon Riviera coast has been a holiday destination for more than 150 years and we will be staying in the family run Hotel Balmoral in Torquay. From here we will be exploring the local area that lies within the UNESCO world geopark. This is an area of great coastal scenery, with lots of Devonian sediments, plus some volcanics. As the geology is best seen from the sea, we'll ensure that we have at least one boat trip out into Torbay to get up close and personal with the cliffs and their fabulous structures. We also hope to take a trip on the Paignton and Kingswear steam railway and combine it with another boat trip on the River Dart at Totnes.

Don't miss out on an Autumn break - come and join us in sunny Torquay!

2026

Iceland - the North & East Fjords, September 13-22 £2695
Get in now, to secure your place in September 2026 after we were forced to cancel our previously advertised trip.



*The Eastern Fjords are beautiful in any season!
 (Image: Chris Darmon)*

These days a lot of people go to Iceland, but they very rarely visit the north and east of country. In this trip with our usual guide and driver Ingi, we'll begin at Keflavik near the airport and then travel to Akureyri before working our way clockwise to Myvatn to the volcano Krafla before heading to the beautiful east Fjords.

We'll stop in the amazing geo-village of Borgarfjörður Eystri to see Iceland's most colourful rhyolitic rocks. The last time we were here we did see the Northern Lights in all their glory!

We travel back from Hofn to Keflavik completing our circuit of Iceland. There's an option of an additional night at the end to have a day looking at the most recent volcanic activity on the Reykjanes peninsula and viewing the recent lavas, which will still be hot.
*This trip is filling up fast - we already have 20 people booked!
 Book before June 30th 2025 and you pay less - the 2025 price!*

Other trips planned for 2026

We are currently working on our programme for 2026 and hope to include some, or all of the following:

The Northwest Highlands of Scotland
 Central Cornwall
 The Shetland Islands
 The Isle of Anglesey
 The Jurassic Coast
 Pembrokeshire
 The North Pennines

*For further information or to book,
 email: downtoearth@geosupplies.co.uk
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Learning with us is FUN...

We've been offering online and distance learning since before Covid and over that time hundreds of people have taken part in our learning programmes from the UK and around the world. All our learning programmes are created and delivered by our in house team of Chris Darmon and Colin Schofield. Both are experienced teachers of distance learning over many years.

We deliver online education that's enjoyable and stimulating whilst at the same time being informative and educational. No one is required to carry out any sort of assessment and there's no entry requirements or formalities. Just sign up and go!

The Wednesday club...

Join us on a live Zoom session each Wednesday for an hour, either at 2pm or 7pm - the choice is yours! Each topic comes with background written material and, if you are unable to join us live, you can even access a recording of the session, via our online learning platform Moodle.

March 5	The Permian/Triassic extinction event
March 12	Millclose - a Derbyshire lead mine
March 19	Hard rock aggregates in the UK
March 26	UK marbles - the genuine and the look alike!

Cost: Individual talks £10.00 or £15.00 for 2 people.

Ukraine: Geology & mineral resources

A special extended Zoom session on this extremely topical subject will be delivered on Monday March 17th at 2pm or 7pm.

Cost: For 1 person £15.00 or £22.00 for 2 people studying together

*To register interest, email us at:
downtoearth@geosupplies.co.uk or ring us on: 0114 245 5746*

You can enrol via our online shop at: www.geosupplies.co.uk



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Announcing our new courses for winter!

The Geology of the British Isles

This course continues for a further 7-weeks in the new year. If you would like to join us this is still possible - contact us NOW to find out how you can catch up over the Christmas break.

Course dates: Starts Monday January 13 for a further 7 weeks.

Cost: Contact us for details

Zoom sessions on Mondays at 2.00 and 7.00 pm (you choose)

Hot Rocks!

In this 10-week course you'll learn all about igneous rocks and processes and how they link into plate tectonics. Igneous rocks define how our Earth works and have been around since the dawn of time.



Dykes and cone sheets at Kilchoan pier Ardnamurchan (Image: Chris Darmon)

This course will be pitched at both those who already have a body of knowledge as well as those just setting out upon their geological journey.

Course dates: Starts Thursday January 16 for 10-weeks.

Cost: Ten hour-long Zoom sessions with electronic background papers £80.00 for one person or £100.00 for 2-people studying together. Printed background papers cost an additional £20.00. Zoom sessions on Thursdays at 2.00 and 7.00 pm (you choose)



Perryfield Quarry, Isle of Portland (Image: Wikipedia)

The Wednesday club...

We're building upon the success of our Autumn series of talks with a further offering of up to ten sessions this coming Winter. Join us for an hour on a Wednesday afternoon or in the evening - it's your choice!

As you'll see, we've got an eclectic mix of subjects for you to choose from. All are designed to educate and inform you in an informal and entertaining way.

New talks for 2025

January 15	Lagerstatte - exceptional fossil sites in the UK
January 22	Gold rush! - gold mining in the UK
January 29	Bowen's reaction series for igneous rocks
February 5	Portland limestone - the Cenotaph rock
February 12	Roderick Murchison - pioneer geologist
February 26	Radiometric dating as applied to rocks
March 5	The Permian/Triassic extinction event
March 12	Milliclose - a Derbyshire lead mine
March 19	Hard rock aggregates in the UK
March 26	UK marbles - the genuine and the look alike!

Cost: Individual talks £10.00 or £15.00 for 2 people.

New talks for 2025: Take the first five sessions for £40.00, the second five for £40.00 or all ten for £70.00 or £100 for 2 people. Timings: Wednesdays at 2.00 or 7.00pm - your choice.

To register interest, email us at:

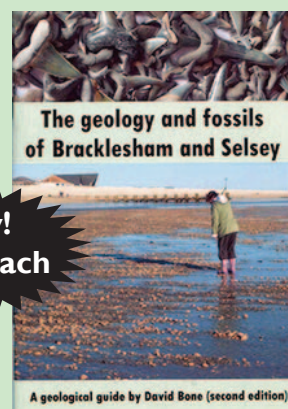
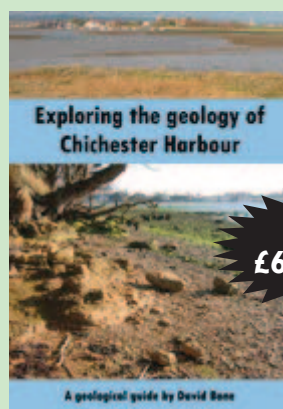
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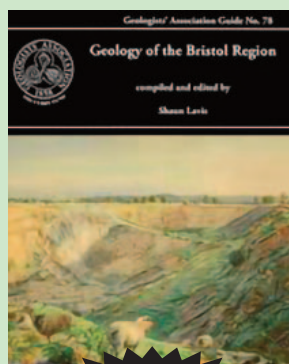
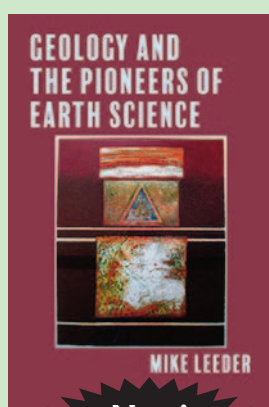
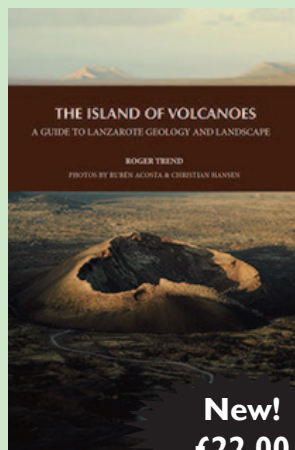
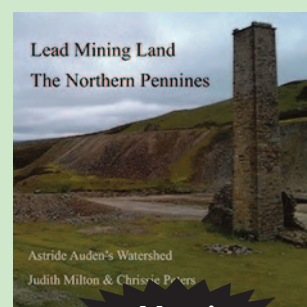
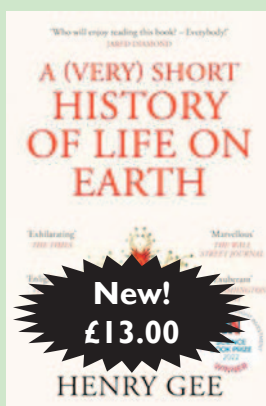
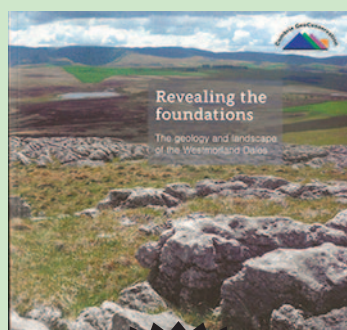
What are you waiting for? Enrol now!

Featured books for March 2025

In each issue we are pleased to be able to introduce you to a range of featured books. Where they are being offered at reduced prices, these will be current to the end of March 2025 provided that stocks are available. Please note, all prices include UK postage.



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