

Newsletter 116 - February 2023 (1)



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Future Talks

Meetings are held in Hillingdon Baptist Church on the 1st and 3rd Wednesday of the month at 10:00. The link for hybrid meetings will be sent out to everybody before the meeting.

| Date | Title | Speaker |
|-----------|---|-----------------|
| 1/2/2023 | Film 'Gravity & Me' by Jim Al Khalili Not on Zoom | Len Fenton |
| 15/2/2023 | Medical Physics. Not on Zoom | Judith Sinclair |
| 1/3/2023 | Heat Pumps as an Alternative to Gas Boilers *** | Mike Briskman |
| 15/3/023 | TBA | |

*** Gas boilers will not be permitted in a new dwelling built from 2025 onwards, and from 2035 it would not be possible to buy a gas boiler or to replace an old one. At present heat pumps are the main alternative. We will explain how they work, how they compare with the traditional boilers, and what to look for when considering the installation of a heat pump.

If anybody wants to join the Geology meetings they are on the 4th Tuesday of the month at 10:00. These are Hybrid meetings. If you are not on the mailing list let Judy Peddie know so that she can send a link

Next one is on the Tuesday 28th February.

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Websites for You to Check

[The secret ingredient in Roman concrete that means buildings can last for millennia \(msn.com\)](#)

[Wind turbines are getting old. What happens to the ageing fleet? | Watch \(msn.com\)](#)

Hunga-Tonga Hunga-Ha'apai eruption

<https://www.bbc.co.uk/news/science-environment-63953531>

<https://www.msn.com/en-gb/news/uknews/wind-turbines-have-an-image-problem-but-silent-bladeless-designs-could-change-all-that/vi-AA14Pftr?ocid=msedgdhp&pc=U531&cvid=ff2fc7051d0d4900b98ad7343de1fc7d&category=foryou>

[Britain signs up old coal units as back-up in case of winter power crunch \(msn.com\)](#)

[Amazing moment neutron stars collide seen in world first video \(msn.com\)](#)

[Oxford nuclear fusion spin-out raising £400m after energy breakthrough \(msn.com\)](#)

[This bubble barrier stops Amsterdam's canal plastic from reaching the North Sea | World Economic Forum \(weforum.org\)](#) Also used in Holland's rivers.

[Jupiter, too! New James Webb photos show giant planet's rings, moons and more \(msn.com\)](#)

['Sand batteries' could be key breakthrough in storing solar and wind energy year-round \(msn.com\)](#)

Voyager Spacecraft <https://www.msn.com/en-gb/news/world/nasa-prepares-to-power-down-voyager-spacecraft-after-more-than-44-years/ar-AAYzTQx?ocid=msedgdhp&pc=U531&cvid=bda87676a166405985392d83d2d0291d>

[Physicists just rewrote a foundational rule for nuclear fusion reactors that could unleash twice the power \(msn.com\)](#)

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Lectures

Harrow and Hillingdon Geological Society

Meetings are currently on Zoom. If you would like to join, and are not an HHGS member, please let Hilary Place know so that you can be sent the link. Non members can have three free meetings. After that we would want you to become a member.

Second Wednesday of the month. Login at 19:45

| Date | Title | Speaker |
|-----------|---|--------------------|
| 8/02/2023 | Lecture to be held at Brunel ETC and on Zoom | Dr Tom Hoyle |
| 8/3/2023 | Earth's changing temperature and sea level over the past 540 million years leading to novel insights for sequence-stratigraphy. | Douwe van der Meer |

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What do you know about atoms?



Very little.

Besides that.