

**SATURDAY 09 DECEMBER 2023****SAT 00:00 BBC News (w172z2r652xb6d1)**

The latest five minute news bulletin from BBC World Service.

**SAT 00:06 The Real Story (w3ct4q7q)**

Is COP failing?

The Paris climate agreement in 2015 aimed to limit global warming to 1.5C. But have politics and lobbying got in the way of urgently needed progress? Is it too late for some nations? There has been much scepticism among delegates at COP28 as to whether the hosts are honest brokers in this process and if the money pledged by the wealthiest nations is enough to mitigate this crisis.

Shaun Ley is joined by:

Rachel Kyte served as Special Representative for the UN Secretary-General, and is a long standing advocate for sustainable energy. She was vice president of the World Bank and is a visiting professor at the Blavatnik School of Government at the University of Oxford in the UK.

Cassie Flynn, who's now global director of climate change at the UN Development Programme. Cassie Flynn was senior adviser to the Prime Minister of Fiji when he was presiding at COP23 in 2017.

Adil Najam, Professor of International Relations and Earth and Environment at Boston University. He's originally from Pakistan. In the summer, Professor Najam became President of WWF, the World Wide Fund for Nature.

Also featuring:

Amos Wemanya, is senior advisor on climate and energy at Power Shift Africa, a pan African non governmental organisation from Kenya.

Vishal Prasad, campaign director of Pacific Islands' Students Fighting Climate Change from Fiji.

Produced by Rumella Dasgupta and Max Horberry.

(Photo: Activists protest to demand loss and damage payments by rich countries to poor countries affected by climate change at COP28, Dubai. Credit: Sean Gallup/Getty Images)

**SAT 01:00 BBC News (w172z2r652xb45)**

The latest five minute news bulletin from BBC World Service.

**SAT 01:06 Business Matters (w172yxrndksvjh)**

Cop 28: How will we replace fossil fuels?

The UN climate change conference in Dubai is coming to an end. We examine whether there could be a big breakthrough on reducing the gases heating our planet.

We hear how the new Argentinean President plans to replace the local currency with the US dollar and the US Department of Commerce is to investigate the safety of garlic imported from China.

(Picture: COP28 UNFCCC Climate Conference: Day Eight. Picture credit: Getty Images)

**SAT 02:00 BBC News (w172z2r652xbf9)**

The latest five minute news bulletin from BBC World Service.

**SAT 02:06 The Newsroom (w172z2tpybx1rjh)**

The world's Newsroom brings you global events as they happen

**SAT 02:30 BBC News Summary (w172z2s0ltj5t4p)**

The latest two minute news summary from BBC World Service.

**SAT 02:32 Stumped (w3ct4tlc)**

WBBL winner: 'I taught myself how to bowl spin'

Alison Mitchell, Jim Maxwell and Charu Sharma are joined by Zimbabwe's Anesu Mushangwe who has just won the Women's Big Bash League with the Adelaide Strikers. She became the first player from Zimbabwe to win the title and tells us how she learnt how to bowl throwing lemons. Anesu details her journey from growing up in Zimbabwe and falling in love with cricket, to moving to Australia and playing with her idols and all the obstacles in-between.

The team discuss the row that has broken out in Australia with former bowler Mitchell Johnson questioning whether former team-mate David Warner should be given a "hero's send-off" in the Test series against Pakistan. They debate Johnson's

comments and assess Warner's global profile.

Photo: Anesu Mushangwe of the Strikers celebrates with team-mates after taking the wicket of Tahlia Wilson of the Thunder during the WBBL match between Sydney Thunder and Adelaide Strikers at Cricket Central, on November 21, 2023, in Sydney, Australia. (Credit: Getty Images)

**SAT 03:00 BBC News (w172z2r652xhkmf)**

The latest five minute news bulletin from BBC World Service.

**SAT 03:06 The Fifth Floor (w3ct4v0z)**

Somalia after the floods

Somalia is struggling with the aftermath of its worst floods for many decades, which have affected more than two million people. Some were already displaced, having lost their livelihoods in the acute drought which preceded the flooding. It's a big story for BBC Somali, and journalist Fardowsa Hanshi tells us how they've been covering it.

Being a tourist in Afghanistan

Since the Taliban returned to power in 2021, Afghanistan has seen a reduction in violence. This has opened up the country to both local and foreign tourists. Shoaib Sharifi of BBC Media Action recently took a trip around his native country, and saw it in a way that he never had before. He shares some memorable moments from his journey.

North Korean hack

It's recently emerged that the notorious North Korean hacking group Andariel has stolen vast amounts of data from South Korea. Around 1.2 terabytes of information was taken from industries including pharmaceutical companies and defence firms as well as universities. Rachel Lee of BBC Korean tells us more about the hacking and how it was discovered.

A lifeline for Hong Kong's domestic workers

Foreign domestic workers have become indispensable for many families in Hong Kong. However, their physical and mental health are sometimes affected by busy schedules and lack of space and exercise. Now some have found a lifeline, thanks to a personal trainer who offers them free fitness classes. Benny Lu from BBC Chinese went to investigate.

Sri Lanka's doctor exodus

Huge numbers of doctors and other professionals are leaving Sri Lanka due to the economic situation and escalating taxes. BBC Sinhala's Sampath Dissanayake reports on what led to this crisis and the impact it is having on Sri Lankans.

(Photo: Extreme flooding in Somalia. Credit: BBC)

**SAT 03:50 Witness History (w3ct4x8c)**

The release of DOOM

In December 1993, the release of a new video game captivated gamers around the world. It was called DOOM.

Set on a Martian military base overrun by zombified soldiers and demons, DOOM saw players take control of a nameless soldier called 'The DOOM guy' as he fights the demonic enemies to stop them taking over Earth.

The game was released at a time when violence in video games was big news and a topic of discussion in the United States Senate.

Kurt Brookes speaks to John Romero, one of the game's developers, and remembers the release of what went on to become one of the most influential games ever.

A Made in Manchester production for BBC World Service.

(Photo: John Romero. Credit: Made in Manchester)

**SAT 04:00 BBC News (w172z2r652xhpck)**

The latest five minute news bulletin from BBC World Service.

**SAT 04:06 The Real Story (w3ct4q7q)**

[Repeat of broadcast at 00:06 today]

**SAT 05:00 BBC News (w172z2r652xht3p)**

The latest five minute news bulletin from BBC World Service.

**SAT 05:06 The Newsroom (w172z2tpybx23rw)**

The world's Newsroom brings you global events as they happen

**SAT 05:30 BBC News Summary (w172z2s0ltj65d2)**

The latest two minute news summary from BBC World Service.

**SAT 05:32 Amazing Sport Stories (w3ct67mv)**

The Curse of County Mayo: Ep 2

Was County Mayo's Irish football team really cursed in 1951? Sports reporter Dave McKenna hears from the last remaining member of the 1951 Mayo All-Ireland squad. Does he remember a priest cursing the team? And does he believe the curse is real? Dave's investigation leads him to the town of Foxford, the site where legend dictates it all began. And sad news changes the course of the investigation. Episode 2 of 3.

Let us know what you think of #AmazingSportStories

**SAT 05:50 More or Less (w3ct5b7d)**

Does endurance sport harm your heart?

Exercise is good for you in all kinds of ways, there is no medicine like it to prevent a whole range of illnesses. But for some endurance athletes, exercise also comes with increased risk of a heart condition called atrial fibrillation.

We look for the right way to think about the risks around exercise.

Reporter: Paul Connolly

Series Producer: Tom Colls

Sound Engineer: Graham Puddifoot

Editor: Richard Vadon

(Picture: A cyclist training in the mountains

Credit: anton5146/Getty Creative)

**SAT 06:00 BBC News (w172z2r652xhxyt)**

The latest five minute news bulletin from BBC World Service.

**SAT 06:06 Weekend (w172z37lrnnl53f)**

US vetoes Gaza ceasefire resolution

As the US blocks a UN resolution calling for a truce in Gaza, we hear from a doctor in Gaza with Médecins Sans Frontières who calls the humanitarian situation 'the catastrophe of the century'.

Also on the programme: After Republicans block an aid package to Ukraine, Kyiv warns that failure to secure more US assistance would mean a "very high possibility" that the war will be lost.

Joining Paul Henley to discuss all this and more are Kathy Gannon, former Pakistan and Afghanistan correspondent for the Associated Press and Steve Erlanger, chief diplomatic correspondent for the New York Times in Europe.

(Photo: A protester outside the UN headquarters in New York City, 8 December 2023 Credit: David Dee Delgado/Reuters)

**SAT 07:00 BBC News (w172z2r652xj1ly)**

The latest five minute news bulletin from BBC World Service.

**SAT 07:06 Weekend (w172z37lrnnl8vk)**

US uses veto to sink UN Gaza ceasefire resolution

The US vetoes a UN Security Council resolution calling for an immediate ceasefire in Gaza. We hear from a doctor treating the injured in Gaza who describes trauma, exhaustion and hunger among the civilian population.

Also, as attacks on Palestinians in the West Bank rise, BBC international editor Jeremy Bowen meets an Israeli settler leader; and is a run of poor form by one of Ireland's most successful Gaelic football teams down to a decades-old curse by a priest?

Joining Paul Henley to discuss all this and more are Kathy Gannon, former Pakistan and Afghanistan correspondent for the Associated Press and Steve Erlanger, chief diplomatic correspondent for the New York Times in Europe.

(Photo: Robert A Wood (C), Alternate Representative of the US for Special Political Affairs in the UN, 8 December , 2023. Credit: David Dee Delgado/Reuters)

**SAT 08:00 BBC News (w172z2r652xj5c2)**

The latest five minute news bulletin from BBC World Service.

**SAT 08:06 Weekend (w172z37lrnnldlp)**

Doctors in Gaza 'exhausted and starving'

As the US vetoes a UN ceasefire resolution, Weekend hears from a doctor in Gaza who describes the dire conditions in the enclave's hospitals.

Also on the programme: Estonia's Prime Minister reacts to the US Senate blocking military aid to Ukraine; and Palestinians mourn writer and activist Refaat Alareer, killed this week in an Israeli airstrike on Gaza City.

Joining Paul Henley to discuss all this and more are Kathy Gannon, former Pakistan and Afghanistan correspondent for the Associated Press and Steve Erlanger, chief diplomatic correspondent for the New York Times in Europe.

(Picture: A Palestinian woman reacts next to a wounded man at Nasser hospital, December 9 Credit: REUTERS/Ibraheem Abu Mustafa)

**SAT 09:00 BBC News (w172z2r652xj936)**

The latest five minute news bulletin from BBC World Service.

**SAT 09:06 BBC OS Conversations (w3ct5b2t)**

Climate change and the young

World leaders are currently meeting in Dubai for the United Nations' COP23 climate summit to discuss how to cope with a changing global climate. At the same time, a new study has suggested that air pollution from using fossil fuels is responsible for five million avoidable deaths around the world every year.

Host James Reynolds brings together three young people in India, Uganda and Bangladesh to hear their concerns and what it's like to live in a country struggling with air pollution.

"I got up, I looked out the window, nothing. I couldn't even see my own lane. It was extremely sad," said 12-year old Myra in Delhi, India. "I was getting ready to go to the school. I was going to my bus and I couldn't see anything. Almost all days smog is covering the entire city. It's suffocating."

Three women from the United States, India and the UK - all in their twenties - also share why they decided to not have children in order to help save the planet.

"Every year has become more significant," says Melissa in London, "and of course making changes in my own life to help the climate like being plant-based and not having children seems to be quite a good decision in that regard as well."

(Photo: COP28 Climate Change Conference in Dubai, United Arab Emirates - 08 Dec 2023. Credit: ALI HAIDER/EPA-EFE/REX/Shutterstock)

**SAT 09:30 BBC News Summary (w172z2s0ltj6ncl)**

The latest two minute news summary from BBC World Service.

**SAT 09:32 Pick of the World (w3ct5b9n)**

What is the oldest item in your wardrobe?

Many of our new and old clothes end up in landfill - is it time for new habits? A cursed Gaelic football team and a very cute baby rhinoceros.

**SAT 09:50 Over to You (w3ct4qr9)**

How US citizens flee states for their own safety

A recent edition of Assignment called Florida's Political Refugees, featured stories from people across the US political spectrum who have swapped states, all claiming that they left for their safety. We hear listeners' views on this documentary - and we are joined by its presenter Lucy Proctor.

Presenter: Rajan Datar

Producer: Howard Shannon

A Whistledown Production for BBC World Service

**SAT 10:00 BBC News (w172z2r652xjdvb)**

The latest five minute news bulletin from BBC World Service.

**SAT 10:06 Sportshour (w3ct4sb2)**

The Kelce brothers, a Fairytale of Philadelphia and Taylor Swift

Former Eagles player Connor Barwin discusses producing 'A Philly Special Christmas Special' – the latest charity record released by players from the NFL's Philadelphia Eagles and special guests. Barwin tells us the late Shane McGowan endorsed the Kelce brothers reworking of Fairytale of New York and that he'll do all he can to get Taylor Swift to feature on their next album.

Dorna Longbut tells us about making a new career in Para Sport after her dreams of playing rugby league for Papa New Guinea were ended by a serious injury. At the time her mother was also being treated for cancer and following her death Longbut initially turned her back on playing sports.

And – Finland's ambassador to the UK - Jukka Siukosaari - discusses the campaign to preserve a little-known venue for the 1948 London Olympics – the Finnish Sauna Baths.

Photo: Jason Kelce #62 of the Philadelphia Eagles talks to brother Travis Kelce #87 of the Kansas City Chiefs after their game at Arrowhead Stadium on November 20, 2023 in Kansas City, Missouri. (Credit: Getty Images)

**SAT 11:00 BBC News (w172z2r652xjlg)**

The latest five minute news bulletin from BBC World Service.

**SAT 11:06 The Newsroom (w172z2tpybx2v7n)**

The world's Newsroom brings you global events as they happen

**SAT 11:30 BBC News Summary (w172z2s0ltj6wvv)**

The latest two minute news summary from BBC World Service.

**SAT 11:32 Unspun World with John Simpson (w3ct67k8)**

Can anything break the stalemate in the Ukraine war?

Can anything break the stalemate in the Ukraine war? Ukraine correspondent, James Waterhouse, tells the BBC's world affairs editor, John Simpson, about growing tensions for President Zelensky as so little progress is made on the frontline. As the UN exits countries in Africa, diplomatic correspondent, James Landale, asks if the organisation meant to promote peace, security, and cooperation around the world is still fit for purpose. Plus, science editor, Rebecca Morelle, shares the latest extraordinary discoveries in space.

Producer: Pandita Lorenz and Benedick Watt

(Photo: Ukrainian Zelensky visits Defense Forces HQ near a frontline close to Kupiansk, Ukraine - 30 Nov 2023. Credit: Presidential press service/EPA)

**SAT 12:00 BBC News (w172z2r652xjnbl)**

The latest five minute news bulletin from BBC World Service.

**SAT 12:06 World Questions (w3ct59t9)**

Zambia

It is rich in emeralds and copper, and home to Mosi oa Tunya, or Victoria Falls. It has a youthful population and one of the most stable democracies in Africa, but Zambia faces big challenges: High food prices, persistent poverty and claims that political rights are under threat. What are the country's priorities in a fast-changing world? And what does the success of the women's football team mean for Zambian women's rights? Jonny Dymond chairs as leading politicians and thinkers debate questions suggested by an audience on location in Lusaka.

The panel:

Cornelius Mweetwa, MP: Minister for Media and Information, Government Spokesperson

Linda Kasonde: Former President of the Law Association of Zambia, and Executive Director of Chapter One Foundation

Chishala Kateka: Economist and Leader of the New Heritage Party

Brian Mundubile, MP: Former leader of the Opposition, and former Minister for Northern Province

Presenter: Jonny Dymond

Producer: Charlie Taylor

Photo: Victoria Falls (Mosi-oa-Tunya). Credit: Alf/Getty Images

**SAT 13:00 BBC News (w172z2r652xjs2q)**

The latest five minute news bulletin from BBC World Service.

**SAT 13:06 Newshour (w172z09spf3ffb4)**

Gaza: US blocks UN resolution for humanitarian ceasefire

The Palestinian president, Mahmoud Abbas, has accused the United States of being complicit in war crimes, after it vetoed a UN Security Council resolution calling for an immediate ceasefire in Gaza. The Hamas-run health ministry in the territory says more than seventeen thousand Palestinian civilians have been killed since October the seventh.

Also: Zimbabweans vote in controversial by-elections; EU agrees landmark deal on regulation of artificial intelligence; and a report about why the demand for Star Wars' collectables still going strong, decades after the films' release.

(Photo: Wounded children at Nasser Hospital in Khan Younis today. Credit: Reuters)

**SAT 14:00 BBC News (w172z2r652xjwv)**

The latest five minute news bulletin from BBC World Service.

**SAT 14:06 Sportsworld (w172z1l3djzk6t2)**

Live Sporting Action

Sportsworld will have six Premier League games to discuss, including live commentary of Manchester United versus Bournemouth at Old Trafford from 1500 GMT and the former Fulham, Everton, Liverpool and England striker Natasha Dowie and the former Tottenham, Fulham and Republic of Ireland defender Stephen Kelly join Lee James to discuss the day's Premier League action.

We'll also hear an in-depth interview with the MLS Commissioner Don Garber ahead of Saturday's MLS Cup Final between Columbus Crew and Los Angeles FC, in which he'll also discuss Lionel Messi's impact on the MLS after joining Inter Miami in July and the future for soccer in the USA.

Plus, the Sportsworld athletics team will also discuss and debate the top 10 athletes of the year ahead of Monday's 2023 World Athletics Awards.

Photo: Dango Ouattara of Bournemouth and Luke Shaw of Manchester United during the Premier League match between AFC Bournemouth and Manchester United at Vitality Stadium on May 20, 2023 in Bournemouth, England. (Credit: AFC Bournemouth via Getty Images)

**SAT 18:00 BBC News (w172z2r652xkctc)**

The latest five minute news bulletin from BBC World Service.

**SAT 18:06 The Newsroom (w172z2tpybx3pgk)**

The world's Newsroom brings you global events as they happen

**SAT 18:30 BBC News Summary (w172z2s0ltj7r2r)**

The latest two minute news summary from BBC World Service.

**SAT 18:32 Amazing Sport Stories (w3ct67mv)**

[Repeat of broadcast at 05:32 today]

**SAT 18:50 Sporting Witness (w3ct4sjv)**

The birth of the Fifa computer game

In December 1993, EA Sports released Fifa International Soccer, also known as Fifa 94.

The football game sold half a million copies in its first month and went on to become a cultural phenomenon.

Coder Jan Tian was the lead developer. He tells Vicky Farncombe how his devotion to the task landed him in hospital.

(Photo: Fifa International Soccer, the first Fifa game. Credit: Fifa/EA Sports/ Moby Games)

**SAT 19:00 BBC News (w172z2r652xkhkh)**

The latest five minute news bulletin from BBC World Service.

**SAT 19:06 The Reith Lectures (w3ct68sq)**

Our democratic future

The second lecture, 'The Future of Security', asks whether citizens of wealthy countries have been lulled into a false sense of security about threats from abroad and at home. It examines how we can control the security technologies of tomorrow, from facial recognition to autonomous weapons. And it concludes by suggesting how we can develop technologies powerful enough to protect us without exploiting us.

The series will be delivered by Ben Ansell, professor of Comparative Democratic Institutions at Nuffield College, Oxford University.

**SAT 20:00 BBC News (w172z2r652xkm9m)**

The latest five minute news bulletin from BBC World Service.

**SAT 20:06 The Arts Hour (w3ct4vm1)**

Femi Kayode on his latest detective novel Gaslight

Nikki Bedi and cultural critic Leila Latif hear from actors Annette Bening and Jodie Foster on their film Nyad.

Welsh TV writer and producer Russell T Davies talks about reviving Doctor Who when nobody else was interested, then turning it into a world conquering TV series.

Australian aboriginal writer Alexis Wright discusses her latest

<p>novel.</p> <p>Taika Waititi with Michael Fassbender on their movie Next Goal Wins.</p> <p>Plus, Disney Studios chief creative officer Jennifer Lee on the record-breaking success of Frozen (which she co-wrote and directed).</p> <p>They are joined by Nigerian author Femi Kayode, talking about his latest detective novel Gaslight.</p> <p>Presenter: Nikki Bedi Producer: Oliver Jones</p> <p>(Photo: Femi Kayode. Credit: Nicholas Louw/Bloomsbury Publishing)</p> <p><b>SAT 21:00 BBC News (w172z2r652xkr1r)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 21:06 Newshour (w172z09spf3gd95)</b> United Nations says half the people of Gaza are starving</p> <p>The United Nations says half the people of Gaza are starving and nine out of ten can't eat every day. We speak to Carl Skau from the UN World Food Programme. He says nothing could have prepared him for the 'fear, chaos and despair' he is witnessing in Gaza. We speak to a senior surgeon about the anguish of not being able to feed his own family.</p> <p>Also in the programme: life for refugees in Rwanda as the British government grapples with legal challenges to its controversial scheme to deport asylum seekers there; and the UN declares that Italian opera will be added to its Cultural Heritage list.</p> <p>(Photo: Palestinians search the rubble of destroyed homes as Israel continues to strike Gaza, Deir Al Balah. Credit: Saber / EPA-EFE/REX/Shutterstock)</p> <p><b>SAT 22:00 BBC News (w172z2r652xkvsu)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 22:06 The Newsroom (w172z2swhm9fw0s)</b> The world's Newsroom brings you global events as they happen</p> <p><b>SAT 22:20 Sports News (w172z1k8ytcwx6x)</b> BBC Sport brings you all the latest stories and results from around the world.</p> <p><b>SAT 22:30 BBC News Summary (w172z2s0ltj8728)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 22:32 Assignment (w3ct4m81)</b> Cyprus: The battle over songbird slaughter</p> <p>Cyprus is one of the main resting stops for songbirds as they migrate between Europe, Africa and the Middle East. For centuries, Cypriots trapped and ate a small number of migrating songbirds, as part of a subsistence diet. But over recent decades, the consumption of songbirds became a lucrative commercial business and the level of slaughter reached industrial levels . Millions of birds were killed each year as trappers employed new technologies to attract and capture birds. The methods used by the trappers are illegal under both Cypriot and EU law. In the last few years, both the Cypriot authorities and environmental groups have been fighting back, dramatically reducing the number of birds being trapped. But it remains a multi-million dollar illegal business which has increasingly drawn in organised criminal gangs. For Assignment, Antonia Bolingbroke-Kent sees the trappers in action, and meets those determined to stop the mass killing of birds.</p> <p>Presenter: Antonia Bolingbroke Kent Producer: Alex Last Sound mix: Rod Farquhar Production Coordinator: Gemma Ashman Series Editor: Penny Murphy</p> <p>(Image: A bird is entangled in a net used by poachers in Cyprus to trap migrating songbirds. Credit: AP Photo/Petros Karadjias)</p> <p><b>SAT 23:00 BBC News (w172z2r652xkzk0)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 23:06 Music Life (w3ct4mgt)</b> The source is the universe with Carlos Niño, André 3000, Liv.e and Luis Pérez Ixoneztli</p>	<p>Carlos Niño, Liv.e, André 3000 and Luis Pérez Ixoneztli discuss how their music is inspired by spirit, the feeling of creating sounds that are meaningful to them, and how they stay open to learning during their lives in music.</p> <p>Carlos Niño is a prolific producer, percussionist, and composer based in California, known for his unique, highly developed, self-described "Spiritual, Improvisational, Space Collage" sound. In September of this year, he released (I'm just) Chillin', on Fire, his most singular, intentional work ever, featuring the most vibrant and abundant gathering of Friends which included the likes of Miguel Atwood-Ferguson, Laraaji, Kamasi Washington and André 3000 (and also produced André's latest album, New Blue Sun).</p> <p>André 3000 - is one of the most celebrated artists of the last three decades, an auteur whose work in music, film, fine arts, and fashion, continues to influence the cultural landscape on a global scale. As one half of Outkast, André established a brand new voice within rap that had never been experienced before when the pair emerged in the early '90s. In November of this year, after a 17-year hiatus, André 3000 released his debut solo album, New Blue Sun - where he plays flutes - it's not a rap record and as André describes "represents a continuation of adventure and discovery for me."</p> <p>Hailing from Dallas, Texas, experimental R&amp;B artist Liv.e is known for her hypnotic voice and eclectic musical influences. She was first introduced to music through the church, but now draws inspiration from the likes of Lalah Hathaway and Wayne Shorter, as well as Dallas-based label Dolfin Records. In February of this year she released her critically acclaimed second album, Girl in the Half Pearl.</p> <p>Composer, ethnomusicologist and multi-instrumentalist Luis Pérez Ixoneztli is a hugely influential figure in Mexican music, who's dedicated years of research to the pre-Columbian instrumentation of Mesoamerica, travelling around the country to study the musical traditions of Mexico's native peoples. His music has been described as "perhaps the ultimate fusion of ethnic and modern music"; in 2013, his work was inducted into the Archive of Mexican Music, 32 years after it was first published.</p> <p><b>SUNDAY 10 DECEMBER 2023</b></p> <p><b>SUN 00:00 BBC News (w172z2r652xl394)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 00:06 BBC OS Conversations (w3ct5b2t)</b> [Repeat of broadcast at 09:06 on Saturday]</p> <p><b>SUN 00:30 BBC News Summary (w172z2s0ltj8gkj)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SUN 00:32 Amazing Sport Stories (w3ct67mv)</b> [Repeat of broadcast at 05:32 on Saturday]</p> <p><b>SUN 00:50 Sporting Witness (w3ct4sjv)</b> [Repeat of broadcast at 18:50 on Saturday]</p> <p><b>SUN 01:00 BBC News (w172z2r652xl718)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 01:06 Unexpected Elements (w3ct4wkh)</b> Boring science</p> <p>After 41 Indian miners were happily rescued last week, Unexpected Elements takes a look at how our futures might lie below the surface.</p> <p>As climate change suggests more of our infrastructures need to be buried safely, and even living spaces could be cooler down there, we discuss future technologies for digging tunnels more safely and cleanly.</p> <p>But tunnelling and boring could go back a long way - more evidence suggests species of dinosaurs used to to live semi-subterranean lives.</p> <p>Tunnelling also happens at the very smallest scales and lowest temperatures, as observed this year by physicists at Innsbruck University. Dr Robert Wild of Innsbruck University in Austria describes quantum tunnelling - a crucial process that belies most chemistry and even the fusion of hydrogen in the sun, and which is increasingly becoming part of our electronic devices.</p> <p>Also, a new technique for monitoring the rapid evolution of the malaria parasite, your correspondence including obscure sports and asteroid fantasies, and a discussion of the difficulties of hiring a panda.</p>	<p>Presenter: Caroline Steel, with Philistiah Mwatee and Alex Lathbridge</p> <p><b>SUN 02:00 BBC News (w172z2r652xlbds)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 02:06 The Newsroom (w172z2tpybx4nfl)</b> The world's Newsroom brings you global events as they happen</p> <p><b>SUN 02:30 BBC News Summary (w172z2s0ltj8q1s)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SUN 02:32 Health Check (w3ct4pzd)</b> How do we know when a mystery illness is serious?</p> <p>On Health Check we often cover the outbreak of a mystery illness or unusual health event that has occurred somewhere across the globe. But how do we know when these illnesses are serious and how are they identified and investigated? Claudia Hammond speaks to Dr. Jarod Hanson from the Program for Monitoring Emerging Diseases (ProMED) about how they scan and review information related to global health security. This follows news about an outbreak of anthrax in the Kyotera district of Uganda. We hear from those who have been affected.</p> <p>Claudia is joined by BBC health reporter, Dr. Smitha Mundasad. They discuss the news that the UK Biobank has unveiled unparalleled new data from whole genome sequencing of its half a million participants. They hear from Dr. Maik Pietzner about why this data is so important for genetic research – his research into the cause of Raynaud's phenomenon was possible because of the data.</p> <p>New research from the University of Washington has looked at how unfiltered air from rush-hour traffic significantly increases passengers' blood pressure, both while in the car and up to 24 hours later. And a new paper released in the journal Nature suggests that a new method to analyse the ageing of organs in humans may allow us to better predict disease risk and the effects of ageing.</p> <p>Presenter: Claudia Hammond Producer: Clare Salisbury Assistant Producer: Jonathan Blackwell</p> <p><b>SUN 03:00 BBC News (w172z2r652xlgjj)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 03:06 World Questions (w3ct59t9)</b> [Repeat of broadcast at 12:06 on Saturday]</p> <p><b>SUN 04:00 BBC News (w172z2r652xll8n)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 04:06 From Our Own Correspondent (w3ct4ntx)</b> Hope and disillusion in South Africa</p> <p>Pascale Harter introduces insight, wit and analysis from BBC correspondents, journalists and reporters around the world.</p> <p>Fergal Keane reported from South Africa during the last days of the white-supremacist apartheid system - and the coming to power of the ANC - nearly thirty years ago. He's been to revisit the country and hear what became of its high hopes - and appreciate once more the resilience and strength of its people.</p> <p>Islamic State may have been defeated on the battlefield, and many of its fighters killed or imprisoned, but what happened to their families? Many had brought wives and children with them to Iraq and Syria, from countries all over the world. Today, thousands of those children are living behind razor-wire fences - whether in tented camps or well-guarded boarding schools - in Kurdish-controlled areas of northeastern Syria. Poonam Taneja met and talked to some of them.</p> <p>And Bob Howard reports from Bremen, in northwestern Germany, about the cold, hard realities of heating German homes - which have come up hard against government plans to move the country to greener power sources. The costs of converting from gas-fired boilers to renewable-energy heat pumps provides a case in point - and may be fuelling a political backlash too.</p> <p>Producer: Polly Hope Editor: Richard Fenton-Smith Production Co-Ordinator: Gemma Ashman</p> <p>(Image: The skyscraper-skyline of Sandton seen beyond residential housing in the Alexandra township in Johannesburg, South Africa. Credit: Waldo Swiegers/Bloomberg via Getty</p>
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**SUN 04:30 BBC News Summary (w172z2s0ltj8yk1)**

The latest two minute news summary from BBC World Service.

**SUN 04:32 The Explanation (w3ct4z74)**

What is Five Eyes?

A secret intelligence pact between the UK and US began during the Second World War, focused on intercepting communications and breaking codes. Expanding to what is now known as Five Eyes, with the addition of Australia, New Zealand and Canada, the secrecy around the alliance continued for decades. It wasn't until 2013, when the ex-NSA contractor Edward Snowden leaked classified documents, that the extent of its operations came into the public spotlight.

Gordon Corera, the BBC's security correspondent, talks to Claire Graham about the origins of this spy network and how relevant it is in a modern digital world.

**SUN 04:50 Sporting Witness (w3ct4s4v)**

[Repeat of broadcast at 18:50 on Saturday]

**SUN 05:00 BBC News (w172z2r652xlq0s)**

The latest five minute news bulletin from BBC World Service.

**SUN 05:06 The Newsroom (w172z2tpybx50nz)**

The world's Newsroom brings you global events as they happen

**SUN 05:30 BBC News Summary (w172z2s0ltj9295)**

The latest two minute news summary from BBC World Service.

**SUN 05:32 The Documentary (w3ct68nn)**

Sweden: Living with guns and gangs

Sweden has become a European hotspot for deadly shootings, rocking its reputation as a safe and peaceful nation. Last year, a record 62 people were killed in gun violence in the Nordic nation, which has a population of just 10 million.

There has been a fresh wave of shootings and explosions in 2023, many of them linked to a split within one criminal gang. But police say violent, unlawful networks are active across the country. They are especially worried about gang leaders recruiting growing numbers of children, who are murdering other young people and their families in disputes about drugs and weapons.

Stockholm-based broadcaster Maddy Savage and Nikoi Djane – an ex-gang member turned criminologist – speak to teenagers in the capital about what it is like to grow up around drugs, guns and gangs, and explore what is being done to tackle the problem.

Presenters: Maddy Savage and Nikoi Djane

Producer: Maddy Savage

Researcher: Josephine Frans

A Bespoke Media production for BBC World Service

(Photo: Parents Libaan Warsame (IL) and Ida Kriisa (R) out on a night walk street patrol in Rinkeby, Stockholm. Credit: Benoît Derrier)

**SUN 06:00 BBC News (w172z2r652xltrx)**

The latest five minute news bulletin from BBC World Service.

**SUN 06:06 Weekend (w172z37lrnp20j)**

Israeli army says Gaza offensive must be stepped up

The head of the Israeli army, General Herzli Halevi, told soldiers that Hamas was beginning to disintegrate and that Israel needed to 'press harder'. The UN World Food Programme is warning that Gaza is 'on the brink' and that half of the population may be starving.

Also on the programme: the row over a controversial scheme to deport asylum seekers to Rwanda that is engulfing the UK government; and a new album shows off the rich cultural and musical heritage of one of Iran's poorest provinces.

Joining Paul Henley in the studio to discuss all this and more are Laurie Goering, a London-based journalist and climate editor at the Thomson Reuters Foundation, and Christopher Sabatini, senior research fellow for Latin America at the Chatham House think-tank.

(Picture: Israeli soldiers in Jabalia in the northern Gaza Strip, Dec 9 2023 Credit: Israel Defense Forces/Handout via REUTERS)

**SUN 07:00 BBC News (w172z2r652xlyj1)**

The latest five minute news bulletin from BBC World Service.

**SUN 07:06 Weekend (w172z37lrnp5rn)**

Could Israel's offensive in Gaza be nearing its end?

The head of the Israeli army, General Herzli Halevi, told IDF soldiers that there are signs that Hamas is collapsing. Meanwhile, the World Food Programme warns that half of Gaza's population face starvation.

Also on the programme: the president of the Pacific island nation of Tuvalu says the UN climate summit has to represent a "COP of hope" if his country is to survive; and the project to give the world free access to Ireland's precious medieval manuscripts.

Joining Paul Henley in the studio to discuss all this and more are Laurie Goering, a London-based journalist and climate editor at the Thomson Reuters Foundation, and Christopher Sabatini, senior research fellow for Latin America at the Chatham House think-tank.

(Picture: An Israeli army APC near the Gaza border with Israel, 09 December 2023 Credit: ATEF SAFADI/EPA-EFE/REX/Shutterstock)

**SUN 08:00 BBC News (w172z2r652xm285)**

The latest five minute news bulletin from BBC World Service.

**SUN 08:06 Weekend (w172z37lrnp9hs)**

UN official warns half of Gaza's population is starving

The Deputy Director of the UN World Food Programme, Carl Skau, warns that food insecurity in the strip means that most people are not able to eat one meal a day. Meanwhile, the head of the Israeli army vows to 'press harder' and intensify the offensive in Gaza.

Also on the programme: Egyptians head to the polls, with President Abdel Fattah el-Sisi hoping to win a third term in office, a result his critics say is inevitable. And how climate change is pushing up the price of home insurance in the US.

Joining Paul Henley in the studio to discuss all this and more are Laurie Goering, a London-based journalist and climate editor at the Thomson Reuters Foundation, and Christopher Sabatini, senior research fellow for Latin America at the Chatham House think-tank.

(Picture: A girl in Khan Younis mourns during a funeral for Palestinians killed in Israeli strikes, 9 December 2023 Credit: REUTERS/Ibraheem Abu Mustafa)

**SUN 09:00 BBC News (w172z2r652xm609)**

The latest five minute news bulletin from BBC World Service.

**SUN 09:06 From Our Own Correspondent (w3ct4ntx)**

[Repeat of broadcast at 04:06 today]

**SUN 09:30 BBC News Summary (w172z2s0ltj9k8p)**

The latest two minute news summary from BBC World Service.

**SUN 09:32 Outlook (w3ct4rc0)**

Hiding in plain sight: My family's secret

Rafael Agustin moved to the United States from Ecuador when he was seven. He grew up immersed in American culture and idolised heartthrob Zack Morris from his favourite TV show Saved by the Bell. Rafael thought of himself as a popular all-American high-schooler just like Zack. But his family had kept something secret from him: Rafael was undocumented. With his sense of identity suddenly undermined, Rafael had to start again on his own terms. He would go on to navigate life through college and rise to fame on the national stage. He's written a memoir called Illegally Yours.

A longer version of this interview was first broadcast in June 2023.

Presenter: Andrea Kennedy

Producer: Emily Naylor

Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707

(Photo: Rafael as a child with his parents. Credit: Rafael Agustin)

**SUN 10:00 BBC News (w172z2r652xm9rf)**

The latest five minute news bulletin from BBC World Service.

**SUN 10:06 Music Life (w3ct4mgt)**

[Repeat of broadcast at 23:06 on Saturday]

**SUN 11:00 BBC News (w172z2r652xmfhk)**

The latest five minute news bulletin from BBC World Service.

**SUN 11:06 The Newsroom (w172z2tpybx5r4r)**

The world's Newsroom brings you global events as they happen

**SUN 11:30 BBC News Summary (w172z2s0ltj9sry)**

The latest two minute news summary from BBC World Service.

**SUN 11:32 The Explanation (w3ct4z74)**

[Repeat of broadcast at 04:32 today]

**SUN 11:50 More or Less (w3ct5b7d)**

[Repeat of broadcast at 05:50 on Saturday]

**SUN 12:00 BBC News (w172z2r652xmk7p)**

The latest five minute news bulletin from BBC World Service.

**SUN 12:06 The Reith Lectures (w3ct68sq)**

[Repeat of broadcast at 19:06 on Saturday]

**SUN 13:00 BBC News (w172z2r652xmnzt)**

The latest five minute news bulletin from BBC World Service.

**SUN 13:06 Newshour (w172z09spf3jb77)**

War in Gaza 'having catastrophic impact on health' - UN health chief

The head of the United Nations' World Health Organisation has said the war in Gaza is having a catastrophic impact on health care there. Tedros Adhanom Ghebreyesus warned that health workers are having to work in unimaginable conditions in a desperate effort to help civilians in the territory.

But the head of Israel's armed forces has called for a stepping up of the military campaign against Hamas.

Also in the programme: The Nobel Peace Prize is handed out in the absence of the winner, Narges Mohammadi, who remains in prison in Iran; and we'll hear why the Japanese baseball player, Shohei Ohtani, has landed a record-breaking contract in the US.

(Photo shows the director-general of the World Health Organisation, Dr Tedros Adhanom Ghebreyesus, speaking on 21 May 2023. Credit: Denis Balibouse/Reuters)

**SUN 14:00 BBC News (w172z2r652xmsqy)**

The latest five minute news bulletin from BBC World Service.

**SUN 14:06 Music Life (w3ct4mgt)**

[Repeat of broadcast at 23:06 on Saturday]

**SUN 15:00 BBC News (w172z2r652xmxh2)**

The latest five minute news bulletin from BBC World Service.

**SUN 15:06 Sportsworld (w172z113djzn7g9)**

Live Sporting Action

Sunday Sportsworld has full commentary from the Premier League as Tottenham Hotspur take on Newcastle United and Delyth Lloyd will be joined by the former Spurs, Newcastle and Cameroon defender Sebastien Bassong to look ahead to the game, and react to the day's three other Premier League matches.

The team also look ahead to the final group games in the Champions League, with several European giants in danger of missing out on a place in the knockout stages – including Manchester United and AC Milan.

Plus, there'll also be reaction to the MLS Cup Final, and from cricket's Big Bash League as defending champions Perth Scorchers open their title defence.

Photo: Newcastle United's Alexander Isak in action with Tottenham Hotspur's Davinson Sanchez during the Premier League match between Newcastle United and Tottenham Hotspur at St. James's Park, Newcastle on Sunday 23rd April 2023. (Credit: MI News/NurPhoto via Getty Images)

**SUN 19:00 BBC News (w172z2r652xndgl)**

The latest five minute news bulletin from BBC World Service.

**SUN 19:06 The Newsroom (w172z2tpybx6q3s)**

The world's Newsroom brings you global events as they happen

**SUN 19:30 BBC News Summary (w172z2s0ltjbrqz)**

The latest two minute news summary from BBC World Service.

**SUN 19:32 Unspun World with John Simpson (w3ct67k8)**

[Repeat of broadcast at 11:32 on Saturday]

**SUN 20:00 BBC News (w172z2r652xnj6q)**

The latest five minute news bulletin from BBC World Service.

**SUN 20:06 Unexpected Elements (w3ct4wkh)**

[Repeat of broadcast at 01:06 today]

**SUN 21:00 BBC News (w172z2r652xnmvy)**

The latest five minute news bulletin from BBC World Service.

**SUN 21:06 Newshour (w172z09spf3k968)**

Argentina's new president: shock treatment is needed

Argentina's new president Javier Milei says shock treatment is needed to deal with the country's severe economic crisis. How will people cope?

Also in the programme: The World Health Organisation has adopted a resolution calling for immediate medical access and humanitarian aid for Gaza; and the colossal sea monster fossil found in the cliffs of southern England.

(Photo: Argentina's President Javier Milei gestures to supporters, after his swearing-in ceremony, in Buenos Aires, Argentina December 10, 2023. Reuters/Agustin Marcarian)

**SUN 22:00 BBC News (w172z2r652xnrxp)**

The latest five minute news bulletin from BBC World Service.

**SUN 22:06 The Newsroom (w172z2swhm9jrxw)**

The world's Newsroom brings you global events as they happen

**SUN 22:20 Sports News (w172z1k8tyctz40)**

BBC Sport brings you all the latest stories and results from around the world.

**SUN 22:30 BBC News Summary (w172z2s0ltjc3zc)**

The latest two minute news summary from BBC World Service.

**SUN 22:32 Outlook (w3ct4rc0)**

[Repeat of broadcast at 09:32 today]

**SUN 23:00 BBC News (w172z2r652xnw3)**

The latest five minute news bulletin from BBC World Service.

**SUN 23:06 The Climate Question (w3ct5bl1)**

The 100 Women climate debate

As part of the BBC's 100 Women season, Mercy Juma in Nairobi talks to three leading activists from Africa. What are the particular effects of Climate Change on women? Are their voices being heard? And what positive action can be taken?

Presenter: Mercy Juma  
Guests: Dr Susan Chomba, World Resources Institute; Dr Sahondra Kiplagat, Environmental Psychologist and Lecturer at University of Nairobi; Temilade Salami, Founder of the Ecochampions mentorship programme for youth climate leaders across Africa.  
Producers for 100 Women: Valeria Perasso, Paula Adamo Idoeta  
Series Producer for The Climate Question: Simon Watts  
Sound Mix: Neil Churchill and BBC Nairobi Engineers Team

**SUN 23:30 BBC News Summary (w172z2s0ltjc7qh)**

The latest two minute news summary from BBC World Service.

**SUN 23:32 Pick of the World (w3ct5b9n)**

[Repeat of broadcast at 09:32 on Saturday]

**SUN 23:50 Over to You (w3ct4rq9)**

[Repeat of broadcast at 09:50 on Saturday]

**MONDAY 11 DECEMBER 2023****MON 00:00 BBC News (w172z2r6jc6svgd)**

The latest five minute news bulletin from BBC World Service.

**MON 00:06 From Our Own Correspondent (w3ct4ntx)**

[Repeat of broadcast at 04:06 on Sunday]

**MON 00:30 BBC News Summary (w172z2s0z2th6qs)**

The latest two minute news summary from BBC World Service.

**MON 00:32 The Explanation (w3ct4z74)**

[Repeat of broadcast at 04:32 on Sunday]

**MON 00:50 More or Less (w3ct5b7d)**

[Repeat of broadcast at 05:50 on Saturday]

**MON 01:00 BBC News (w172z2r6jc6sz6j)**

The latest five minute news bulletin from BBC World Service.

**MON 01:06 The Newsroom (w172z2tq9m6c8vq)**

The world's Newsroom brings you global events as they happen

**MON 01:30 BBC News Summary (w172z2s0z2thbgx)**

The latest two minute news summary from BBC World Service.

**MON 01:32 Happy News (w3ct5hvk)**

The Happy Pod: The giant Christmas 'tree' made of trees

Our weekly collection of the happiest stories in the world. This week, the Italian town of Gubbio lights its world record breaking Christmas Tree. Also: how a medical clinic in Borneo is helping to reduce deforestation. And the loneliest manatee, lonely no more.

**MON 02:00 BBC News (w172z2r6jc6t2yn)**

The latest five minute news bulletin from BBC World Service.

**MON 02:06 The Newsroom (w172z2tq9m6cdlv)**

The world's Newsroom brings you global events as they happen

**MON 02:30 BBC News Summary (w172z2s0z2thg71)**

The latest two minute news summary from BBC World Service.

**MON 02:32 CrowdScience (w3ct4y52)**

Where does our fat go when we exercise?

If, like this week's Crowdsience listener Lili, you enjoy working out in the gym, you may have wondered where your fat disappears to when you exercise?

The short answer is that we convert it to energy that powers a whole range of physical processes - from breathing to walking as well as lying down and doing nothing. But the science behind energy expenditure is a little more complicated than that.

Presenter Anand Jagatia jumps on an exercise bike to have his metabolism measured and learns that he may be relying on an entirely different source of fuel as he works up a sweat.

Is all that hard work worth the effort it involves? Recent research suggests there is a limit to the number of calories humans can burn and that engaging in physical activity is not always a sure-fire way to keep trim.

So if working out is not the best way to lose weight, how about harnessing our own fat to tackle the complications of obesity? It used to be thought brown fat was exclusive to babies (and bears) but we now know adults have some of it too. Anand discovers that it appears to play a vital role in combatting a range of chronic diseases including hypertension and diabetes.

Presenter: Anand Jagatia  
Producer: Marijke Peters  
Editor: Richard Collings  
Production co-ordinator: Jonathan Harris

(Photo: Person squeezing their tummy. Credit: Getty Images)

**MON 03:00 BBC News (w172z2r6jc6t6ps)**

The latest five minute news bulletin from BBC World Service.

**MON 03:06 People Fixing The World (w3ct4y0k)**

Building a clinic to save a forest

How do you stop people chopping down precious rainforest? In the Indonesian part of Borneo, researchers for a conservation charity discovered that local people were chopping down the rainforest around them for an incredibly understandable reason – they needed to pay for medical treatment for themselves and their children.

So they started a project that would hopefully protect the forest and help the local communities at the same time. They built a health centre and gave people a big discount on medical care if they stopped chopping down the trees. Ten years on, we visit the forest to see what happened next.

Presenter: Myra Anubi  
Reporter: Ade Mardiyati  
Producer: Craig Langran  
Series Producer: Jon Bithrey  
Editor: Bridget Harney  
Sound mix: Hal Haines

email: peoplefixingtheworld@bbc.co.uk

**MON 03:30 BBC News Summary (w172z2s0z2thkz5)**

The latest two minute news summary from BBC World Service.

**MON 03:32 Pick of the World (w3ct5b9n)**

[Repeat of broadcast at 09:32 on Saturday]

**MON 03:50 Over to You (w3ct4rq9)**

[Repeat of broadcast at 09:50 on Saturday]

**MON 04:00 BBC News (w172z2r6jc6tbfx)**

The latest five minute news bulletin from BBC World Service.

**MON 04:06 The Newsroom (w172z2tq9m6cn33)**

The world's Newsroom brings you global events as they happen

**MON 04:30 BBC News Summary (w172z2s0z2thpq9)**

The latest two minute news summary from BBC World Service.

**MON 04:32 The Conversation (w3ct4twf)**

How going to school can change a girl's life

Kim Chakanetsa speaks to two women from Kenya and India who have established their own schools about the life-changing impact an education can have for their communities.

For Dr Kakenya Ntaiya, the dream of an education turned into a lifelong mission to empower girls in rural Kenya. She founded the Kakenya Center for Excellence, a primary boarding school for girls in southwest Kenya. The school has grown into a successful nonprofit organization called Kakenya's Dream with a focus on education, health and leadership. You can find out more by searching @KakenyasDream on major social media platforms.

After spending decades at the top of the corporate ladder, Shukla Bose decided to shift direction, fuelled by a desire to alleviate social injustice. She founded Parikrma Humanity Foundation, a nonprofit organization that runs English-medium schools for under-privileged children in Bangalore. For more information, please search @parikrma\_foundation on Instagram.

Produced by Emily Naylor

(Image: (L) Kakenya Ntaiya, credit Lee-Ann Olwage. (R) Shukla Bose, courtesy of Shukla Bose.)

**MON 05:00 BBC News (w172z2r6jc6tg61)**

The latest five minute news bulletin from BBC World Service.

**MON 05:06 Newsday (w172z07bqhln64l)**

WHO: Gaza healthcare situation is 'catastrophic'

The World Health Organization has described the state of Gaza's healthcare system as "catastrophic" with "ideal" conditions for diseases to spread.

Argentina's new president, Javier Milei, says shock treatment is needed to deal with the country's severe economic crisis. What will that look like, and can it work?

Also coming up the global climate change summit in Dubai is expected to wrap up tomorrow, but there's still a major sticking point, what to do about coal, oil and gas. So what chance is there of a deal?

And why critically endangered sea turtles, suffering from something called "cold stun" have been sent for rehabilitation in

World Service Listings for 9 – 15 December 2023		Page 6 of 16
<p>Florida.</p> <p><b>MON 06:00 BBC News (w172z2r6jc6tky5)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 06:06 Newsday (w172z07bqhln9wq)</b> Israeli tanks reach centre of Khan Younis</p> <p>A new operation in the city of Khan Younis is leaving Palestinians with limited options of escape in Gaza as Israel pushes harder to eliminate Hamas.</p> <p>The president of the ongoing UN climate talks, Sultan al-Jaber has called for international delegates to show "flexibility" as attempts to find international consensus over phasing out from fossil fuels continue to stall.</p> <p>Tensions rise as two more boats with more than 300 Rohingya refugees land in Aceh in Indonesia. It's triggered anger among the locals. We find out why.</p> <p>And there's some hopeful news from Sudan as the two warring factions are said to have agreed to a ceasefire.</p> <p><b>MON 07:00 BBC News (w172z2r6jc6tpp9)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 07:06 Newsday (w172z07bqhlnfmv)</b> UN appeals for \$46bn in funding</p> <p>The United Nations say they are struggling to cope with the number of conflicts, and the huge amount of humanitarian assistance they require. An emergency appeal for funding of \$46 billion has been launched.</p> <p>A senior figure in Hamas has issued a threat to Israel saying no Israeli hostages would be allowed to leave Gaza alive unless their demands were met. We find out the Israeli response.</p> <p>The BBC has learned that around 200 Afghan Special Forces veterans, who fought alongside UK forces, are facing deportation from Pakistan. Some of them, and those fighting for them to be looked after, speak to the BBC.</p> <p>And Argentina's new President, Javier Milei, says shock treatment is needed to deal with the country's severe economic crisis.</p> <p><b>MON 08:00 BBC News (w172z2r6jc6tff)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 08:06 HARDtalk (w3ct4p3z)</b> Sandra Day O'Connor: The first female US Supreme Court judge</p> <p>The framers of the American Constitution harboured few illusions about human nature, and that's why they invested so much significance in the US Supreme Court, the ultimate check on executive and legislative power. Sandra Day O'Connor, who died days ago at the age of 93, was the first woman to be appointed as a justice in this court. For 25 years, she was one of its most influential voices. HARDtalk travelled to Washington DC in 2006 to speak to her.</p> <p>Image: Sandra Day O'Connor, pictured in 2003 (Credit: Tom Mihalek/EPA-EFE/REX/Shutterstock)</p> <p><b>MON 08:30 BBC News Summary (w172z2s0z2tj5pt)</b> The latest two minute news summary from BBC World Service.</p> <p><b>MON 08:32 Business Daily (w3ct4mvl)</b> Kinmen: The Taiwanese islands next to China</p> <p>Sitting just a few kilometres away from mainland China, the tiny Kinmen islands are in an unusual situation.</p> <p>Beijing says they and Taiwan are a part of China, they're a breakaway province, and it wants them back, by force if necessary.</p> <p>As tensions rise, Ed Butler visits Kinmen to discover how this most exposed population feels about Beijing's claim - and hear about plans to build a bridge to connect the islands with the Chinese mainland.</p> <p>Produced and presented by Ed Butler.</p> <p>(Image: A beach on Kinmen Island, with sea defences)</p> <p><b>MON 08:50 Witness History (w3ct4xbn)</b></p>	<p>Murder of the Romanovs</p> <p>As civil war raged in Russia, on 17 July 1918, the imprisoned royal family were told they were to be taken to a place of refuge.</p> <p>But the move was a trick and half an hour later Tsar Nicholas II, his wife and his children lay dead, gunned down and bayoneted.</p> <p>In 2018, his great niece Olga Romanov told Olga Smirnova about that night, and the family's reburial 80 years later.</p> <p>(Photo: The room where the Romanovs were murdered. Credit: Getty Images)</p> <p><b>MON 09:00 BBC News (w172z2r6jc6ty5k)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 09:06 The Newsroom (w172z2tq9m6d7tr)</b> The world's Newsroom brings you global events as they happen</p> <p><b>MON 09:30 BBC News Summary (w172z2s0z2tj9fy)</b> The latest two minute news summary from BBC World Service.</p> <p><b>MON 09:32 CrowdScience (w3ct4y52)</b> [Repeat of broadcast at 02:32 today]</p> <p><b>MON 10:00 BBC News (w172z2r6jc6v1xp)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 10:06 The History Hour (w3ct4w63)</b> Doom and Danish brains</p> <p>Max Pearson presents a collection of this week's Witness History episodes from the BBC World Service.</p> <p>We hear about two of the most influential computer games of the 1990s with their creators. John Romero was one of the developers of Doom and talks about the concept of a martian military base populated by zombie soldiers. Coder Jan Tian describes how his devotion to working on the football game FIFA 94 landed him in hospital. Our guest, The Guardian newspaper's video games editor Keza MacDonald, looks back on games which had a global impact.</p> <p>Also how in 1945, 10,000 brains were collected from dead psychiatric patients in Denmark. It is now thought to be the world's largest brain bank. We also find out how a group of right-wing army officers seized power in Greece in 1967 to stop the election of a social democratic government led by veteran politician George Papandreou.</p> <p>And 30 years on since the cult French film La Haine was released, its director Mathieu Kassovitz describes how it caught the attention of high profile politicians with its criticism of policing in France.</p> <p>Contributors: John Romero – Doom developer Jan Tian – FIFA 94 coder Keza MacDonald – video games editor, The Guardian Martin Wrenfeldt Nielsen – pathologist George Papandreou Jnr – former Greek Prime Minister Mathieu Kassovitz – film director</p> <p>(Photo: Brains stored in plastic buckets at the University of Southern Denmark. Credit: BBC)</p> <p><b>MON 11:00 BBC News (w172z2r6jc6v5nt)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 11:06 The Newsroom (w172z2tq9m6dhh0)</b> The world's Newsroom brings you global events as they happen</p> <p><b>MON 11:30 BBC News Summary (w172z2s0z2tjjy6)</b> The latest two minute news summary from BBC World Service.</p> <p><b>MON 11:32 The Conversation (w3ct4twf)</b> [Repeat of broadcast at 04:32 today]</p> <p><b>MON 12:00 BBC News (w172z2r6jc6v9dy)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 12:06 Outlook (w3ct4qgy)</b> Why cutting my dreadlocks set me free</p>	<p>Growing up in a strict Rastafari household, Jamaican poet and writer Safiya Sinclair's dad imposed strict rules on her and her siblings. They were forced to wear their hair in dreadlocks, follow the religion's dietary regime, and only mix with other Rastafarians like themselves. This way of life wasn't always to Safiya's liking, but she still idolised her father. Yet, as Safiya got older and her father's rules became stricter, she began to question her Rastafari life. She felt trapped, but after discovering poetry, she found a way she could escape.</p> <p>Safiya has written a memoir called How to Say Babylon.</p> <p>Presenter: Asya Fouks Producer: Charlie Towler and Rob Wilson</p> <p>Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707</p> <p>(Photo: Safiya Sinclair. Credit: Beowulf Sheehan)</p> <p><b>MON 12:50 Witness History (w3ct4xbn)</b> [Repeat of broadcast at 08:50 today]</p> <p><b>MON 13:00 BBC News (w172z2r6jc6vf52)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 13:06 The Newsroom (w172z2tq9m6dq8t)</b> The world's Newsroom brings you global events as they happen</p> <p><b>MON 13:30 BBC News Summary (w172z2s0z2tjsfg)</b> The latest two minute news summary from BBC World Service.</p> <p><b>MON 13:32 CrowdScience (w3ct4y52)</b> [Repeat of broadcast at 02:32 today]</p> <p><b>MON 14:00 BBC News (w172z2r6jc6vjx6)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 14:06 Newshour (w172z09t1pdr64m)</b> Gaza: How damaged is Hamas?</p> <p>Heavy urban battles raged Monday in the Gaza war which has killed 101 Israeli soldiers and several thousand Palestinians. Israel's Prime Minister Benjamin Netanyahu claims "It is the beginning of the end of Hamas".</p> <p>Also in the programme: a COP agreement edges closer, and Nikki Haley's bid for the US presidency.</p> <p>(Photo: Smoke rises from the Gaza Strip following Israeli airstrikes, as seen from an undisclosed location near the border between Gaza and southern Israel. Credit: Abir Sultan/EPA)</p> <p><b>MON 15:00 BBC News (w172z2r6jc6vnnb)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>MON 15:06 HARDtalk (w3ct4p3z)</b> [Repeat of broadcast at 08:06 today]</p> <p><b>MON 15:30 BBC News Summary (w172z2s0z2tk0xq)</b> The latest two minute news summary from BBC World Service.</p> <p><b>MON 15:32 World Business Report (w3ct4zf8)</b> COP 28: Draft climate deal published, but does it go far enough?</p> <p>There's criticism that a draft deal at the COP 28 climate change summit in Dubai doesn't refer to phasing out fossil fuels. The document has been published on the penultimate day of the conference, which aims to unite global partners in the drive towards net zero carbon emissions.</p> <p>The United Nations says it will have to prioritise the areas of greatest need as it announces a significant drop in its humanitarian fundraising appeal for the next financial year. It's aiming to raise \$10 billion less than the previous 12 months.</p> <p>Japanese baseball superstar Shohei Ohtani has just landed the richest contract in the history of North American sport. He'll earn \$700 million from the 10-year deal with the LA Dodgers.</p> <p>(Photo: Sultan Ahmed al-Jaber, President of the COP28 UNFCCC Climate Conference, speaks to the media on 10 December, 2023. Credit: Getty Images)</p> <p><b>MON 16:00 BBC News (w172z2r6jc6vsgd)</b> The latest five minute news bulletin from BBC World Service.</p>
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**MON 16:06 BBC OS (w172z0w62gwsv22)**

UK Covid inquiry: 'I am deeply sorry'

The British Prime Minister Rishi Sunak has apologised to bereaved families over how the government handled the COVID-19 outbreak. Mr Sunak was the finance minister at the time and responsible for a scheme called Eat Out To Help which aimed to provide a boost to the hospitality sector in mid 2020. Our political correspondent explains.

The United Nations' climate body has published its latest draft of a deal it hopes to conclude at the COP28 summit in Dubai.

We hear about the situation in Gaza where Israel continues an intense bombing, and what people in Israel are saying about hostages in Gaza.

Ahead of President Zelensky's meeting with President Biden on Tuesday, we speak to our correspondents in Ukraine, Hungary and the US about Western support for Ukraine. We also speak to Ukrainians who have fled their homes and live outside Ukraine now.

Japanese baseball sensation Shohei Ohtani has joined the Los Angeles Dodgers in the biggest deal in the sport's history. We talk to a sports journalist in Tokyo.

Presenter: James Reynolds.

(Photo: Screen grab from the UK Covid-19 Inquiry live stream of Prime Minister Rishi Sunak giving evidence at Dorland House in London. Monday December 11, 2023. PA Photo. Credit: UK Covid-19 Inquiry/PA Wire)

**MON 17:00 BBC News (w172z2r6jc6vx4l)**

The latest five minute news bulletin from BBC World Service.

**MON 17:06 BBC OS (w172z0w62gwsyt6)**

Fury at COP28 over draft deal

European and US delegates at the COP28 climate summit have expressed disappointment at a draft of the final deal, saying it does not go far enough on fossil fuels. We speak to our correspondent at COP28.

We get reaction from Kenya, where a countrywide blackout has sparked sabotage suspicions with people demanding answers and voicing their anger on social media.

As Western countries debate the defence packages and military aid to Ukraine, we speak to Ukrainians who have fled their homes and live outside Ukraine now.

We hear about the situation in Gaza, where Israel's intense bombing continues. We also speak to a family member of an Israeli woman believed to be held by Hamas in Gaza.

Tucker Carlson, the former Fox News talk show host in the US, is launching his own streaming service. We find out what's expected from the platform.

Presenter: James Reynolds

(Photo: COP28 Climate Change Conference in Dubai, United Arab Emirates - 11 Dec 2023. Credit: MARTIN DIVISEK/EPA-EFE/REX/Shutterstock)

**MON 18:00 BBC News (w172z2r6jc6w0wq)**

The latest five minute news bulletin from BBC World Service.

**MON 18:06 Outlook (w3ct4qgy)**

[Repeat of broadcast at 12:06 today]

**MON 18:50 Witness History (w3ct4xbn)**

[Repeat of broadcast at 08:50 today]

**MON 19:00 BBC News (w172z2r6jc6w4mv)**

The latest five minute news bulletin from BBC World Service.

**MON 19:06 The Newsroom (w172z2tq9m6fg91)**

The world's Newsroom brings you global events as they happen

**MON 19:30 BBC News Summary (w172z2s0z2tkhx7)**

The latest two minute news summary from BBC World Service.

**MON 19:32 Sport Today (w3ct4stx)**

2023/12/11 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the

world.

**MON 20:00 BBC News (w172z2r6jc6w8cz)**

The latest five minute news bulletin from BBC World Service.

**MON 20:06 From Our Own Correspondent (w3ct4ntx)**

[Repeat of broadcast at 04:06 on Sunday]

**MON 20:30 BBC News Summary (w172z2s0z2tkmnc)**

The latest two minute news summary from BBC World Service.

**MON 20:32 Discovery (w3ct4nfp)**

Tooth and Claw: Cheetahs

Adam Hart investigates the fastest land animal in the world – the cheetah! Built for high-speed chases, these spotted cats are slender, with semi-retractable claws for good grip and a flexible spine plus a long tail for balance and manoeuvrability. Cheetahs rely on speed over brute strength when hunting – and can make tight, quick turns to shift course in fast pursuit of their prey. But with shrinking populations cheetahs are classified as vulnerable – so what's being done in terms of conservation and are these projects having any success?

Adam hears how cheetahs differ from lions and leopards and learns about their relationships with other predators. He looks at their unique adaptations and behaviours, as well as the different approaches that conservationists are undertaking to try and reverse the population decline. And we also hear about the re-introduction of cheetahs to India.

Contributors:

Professor Sarah Durant is from the Zoological Society of London and is project leader of the Africa Range-Wide Cheetah Conservation Initiative.

Vincent van der Merwe is director of The Metapopulation Initiative and is cheetah metapopulation coordinator for Southern Africa and India.

Presenter: Professor Adam Hart

Producer: Jonathan Blackwell

Editor: Holly Squire

Production Coordinator: Jonathan Harris

Studio Manager: Andrew Garratt

(Photo: Cheetah, Credit: Paul & Paveena Mckenzie via Getty Images)

**MON 21:00 BBC News (w172z2r6jc6wd43)**

The latest five minute news bulletin from BBC World Service.

**MON 21:06 Newshour (w172z09t1pds1cj)**

COP28: Draft deal criticised as too weak on fossil fuels

European and US delegates at the COP28 climate summit have expressed disappointment at a draft of the final deal, saying it is not tough enough on fossil fuels. The draft text endorses a major reduction in fossil fuel use, but does not call for their phasing out.

Also, dissident doctor, Gao Yaojie, who exposed China's Aids epidemic, dies at 95.

And the US is considering reclassifying potatoes - from vegetable to grain. Which is it? We'll speak to a leading potato expert.

Photo: Indigenous climate activist from India, Licypriya Kangujam, 12, holds a placard while protesting at the 2023 United Nations Climate Change Conference (COP28), in Dubai, United Arab Emirates, 11 December 2023. Credit: Epa

**MON 22:00 BBC News (w172z2r6jc6whw7)**

The latest five minute news bulletin from BBC World Service.

**MON 22:06 The Newsroom (w172z2swvwrj34)**

The world's Newsroom brings you global events as they happen

**MON 22:20 Sports News (w172z1k9b2p6k98)**

BBC Sport brings you all the latest stories and results from around the world.

**MON 22:30 BBC News Summary (w172z2s0z2tkw4m)**

The latest two minute news summary from BBC World Service.

**MON 22:32 World Business Report (w3ct4zhj)**

COP28: Draft deal criticised as too weak on fossil fuels

The draft text of COP28 summit agreement has prompted widespread backlash from countries vulnerable to climate change.

A group of small island states says the new draft is "completely insufficient" with "weak language on fossil fuels".

Almost 200 countries have representatives at the Dubai summit - all must agree or the deal collapses.

(Picture: COP28 UNFCCC Climate Conference: Day Eleven. Picture credit: Getty Images)

**MON 23:00 BBC News (w172z2r6jc6wmmc)**

The latest five minute news bulletin from BBC World Service.

**MON 23:06 HARDtalk (w3ct4p3z)**

[Repeat of broadcast at 08:06 today]

**MON 23:30 BBC News Summary (w172z2s0z2tkzwr)**

The latest two minute news summary from BBC World Service.

**MON 23:32 The Conversation (w3ct4twf)**

[Repeat of broadcast at 04:32 today]

## TUESDAY 12 DECEMBER 2023

**TUE 00:00 BBC News (w172z2r6jc6wrch)**

The latest five minute news bulletin from BBC World Service.

**TUE 00:06 The History Hour (w3ct4w63)**

[Repeat of broadcast at 10:06 on Monday]

**TUE 01:00 BBC News (w172z2r6jc6ww3m)**

The latest five minute news bulletin from BBC World Service.

**TUE 01:06 Business Matters (w172zyry0nw6dhy)**

COP 28: Countries left disappointed by draft deal

The draft text of COP28 summit agreement has prompted widespread backlash from countries vulnerable to climate change.

A group of small island states says the new draft is "completely insufficient" with "weak language on fossil fuels".

Almost 200 countries have representatives at the Dubai summit - all must agree or the deal collapses.

Plus, we're on the new night train from Paris to Berlin. And, are financial pressures driving young people in Taiwan to avoid parenthood and get a pet instead?

Throughout the show, Roger Hearing is joined by Cary Leahey, an economist in New York, and Karen Lema, Reuters bureau chief in the Philippines.

(Picture: COP28 UNFCCC Climate Conference: Day Eleven. Picture credit: Getty Images)

**TUE 02:00 BBC News (w172z2r6jc6wzvr)**

The latest five minute news bulletin from BBC World Service.

**TUE 02:06 The Newsroom (w172z2tq9m6g9hy)**

The world's Newsroom brings you global events as they happen

**TUE 02:30 BBC News Summary (w172z2s0z2tlc44)**

The latest two minute news summary from BBC World Service.

**TUE 02:32 The Documentary (w3ct68np)**

Stories from the New Silk Road: Norway

In the 'High North' of Norway, in a town called Kirkenes, set on the coast, and inside the Arctic Circle, Anna Holligan is on the edge of what the Chinese refer to as the Polar Silk Road. The Northern Sea Route or North East Passage is an increasingly valuable shipping route for both Russia and China, heading east from this region, hugging the Russian coastline to Eastern Siberia.

On the Barren Safari with guide Hans Hatle, Anna discovers how the Polar Silk Road could potentially change the fortunes

for this most northerly Norwegian town. Port Director Terje Jørgensen wants to open up to Chinese shipping and is in talks with operators to increase the capabilities of the port. Terje's point is simple, Kirkenes is geographically closer to Beijing via sea, than any other port in Europe.

In 2010 a ship departed from Kirkenes bound for China with 41,500 tons of iron ore concentrate, arriving 22 days later. Via the Suez canal, the same journey would have taken over 40 days. It was the first time that a non-Russian ship had been along the Northern Sea Route along Russia's Northern coastline, showing that this was possible and paving the way for China's Arctic policy.

Here, Anna shines a light on China's wider ambitions in the Arctic. The region is rich in minerals, wildlife, fish, and other natural resources. So what does China's Polar Silk Road mean for Norway and when the sea ice melts, who is set to benefit most?

Presenter: Anna Holligan  
Producer: Peter Shevlin  
Editor: Alan Hall  
A C60 Media production for BBC World Service.

(Photo: A man holds giant crabs or king crabs in each hand, in the Barents sea, Kirkenes, Norway. Credit: Eric Beracassat/Getty Images)

**TUE 03:00 BBC News (w172z2r6jc6x3lw)**  
The latest five minute news bulletin from BBC World Service.

**TUE 03:06 Outlook (w3ct4qgy)**  
[Repeat of broadcast at 12:06 on Monday]

**TUE 03:50 Witness History (w3ct4xbn)**  
[Repeat of broadcast at 08:50 on Monday]

**TUE 04:00 BBC News (w172z2r6jc6x7c0)**  
The latest five minute news bulletin from BBC World Service.

**TUE 04:06 The Newsroom (w172z2tq9m6gk06)**  
The world's Newsroom brings you global events as they happen

**TUE 04:30 BBC News Summary (w172z2s0z2tllmd)**  
The latest two minute news summary from BBC World Service.

**TUE 04:32 In the Studio (w3ct4yg4)**  
Kengo Kuma: Building new Japanese histories

Kengo Kuma has a philosophy: to enrich the connection between buildings and nature, "almost tuning-in" to the materials. His architecture is inspired by traditional Japanese design, and he's a serious critic of the global dominance of concrete.

Time magazine named him the world's most influential architect in 2021. Kuma's mission has manifested in iconic buildings including China's Folk Art Museum, the V&A in Scotland, and Japan's National Stadium, built for the 2020 Olympics. His work also extends to "micro-architecture", encompassing pens and sustainable sneakers, among other things.

Broadcaster Nick Luscombe follows Kuma to Japan's oldest and largest lake, and to the ancient capital of Otsu, to observe an unusual project. Kuma is attempting to represent the history of the area not by constructing a new building, but by creating a monument to a legendary cow. Along the way we hear from Chief Priest Fuke of Mii-dera Temple, and philosopher/writer Seigo Matsuoka.

Presenter/producer: Nick Luscombe  
Executive producer: Jack Howson  
A Peanut & Crumb production for BBC World Service

(Image: Kengo Kuma. Credit: Jack Howson)

**TUE 05:00 BBC News (w172z2r6jc6xc34)**  
The latest five minute news bulletin from BBC World Service.

**TUE 05:06 Newsday (w172z07bqhrlr31p)**  
Fossil fuel backlash puts UN climate talks in jeopardy

Coming up - as the global climate change talks enter their final scheduled day, there has been outrage from activists after the latest draft declaration did not call for the phasing-out of fossil fuels; negotiations to revise the agreement are underway.

We also hear how in the absence of a ceasefire, what the

primary focus of the United States is as the war between Israel and Hamas continues and the humanitarian situation in Gaza worsens.

And prosecutors investigating former US president Donald Trump have asked the US Supreme Court for a quick ruling on whether he is immune from prosecution for actions he took while in office.

**TUE 06:00 BBC News (w172z2r6jc6xgv8)**  
The latest five minute news bulletin from BBC World Service.

**TUE 06:06 Newsday (w172z07bqhrlr6st)**  
Negotiations continue for final UN climate summit agreement

At the COP28 United Nations climate talks, some nations reacted furiously to a draft deal on fossil fuels they call "weak". So can a deal be reached on the final scheduled day today? We find out more from our correspondent there and also head to Vanuatu - a tiny island nation vulnerable to extreme climate change.

As the war between Israel and Hamas intensifies, the father of a young Israeli woman killed by Hamas on 7 October tells us he still believes Palestinians should have their own state, and that peace is possible.

In the UK, Parliament will vote today on the government's immigration plans which centre around sending some asylum seekers to Rwanda for processing, a controversial policy which has split the governing Conservative party down the middle.

**TUE 07:00 BBC News (w172z2r6jc6xlld)**  
The latest five minute news bulletin from BBC World Service.

**TUE 07:06 Newsday (w172z07bqhrlrbjy)**  
UN climate summit under pressure to include language on phasing out fossil fuels

The UN global climate talks have entered their final scheduled day but there has been outrage from activists after the latest draft declaration stopped short of calling for a phase-out of fossil fuels; negotiations to revise the agreement are underway. We go to Dubai to get the latest.

Also as Israeli defence forces go deeper into Gaza, we speak to the deputy spokesperson of the US state department.

And we go to Japan where a court has given its verdict on the assault case of a former Japanese soldier.

**TUE 08:00 BBC News (w172z2r6jc6xqbj)**  
The latest five minute news bulletin from BBC World Service.

**TUE 08:06 People Fixing The World (w3ct4y0l)**  
The country tackling loneliness

Loneliness affects millions of people around the world and can have a significant impact on our mental and physical health.

In the Netherlands, they are taking the problem seriously, with a national coalition of organisations all trying to bring people together and build connections.

We visit a youth club teaching teenagers how to overcome shyness and social anxiety. Plus, we drop in on a soup-making session that's bringing the generations together, and breaking down stereotypes.

Presenter: Myra Anubi  
Reporter/producer: Claire Bates  
Series Producer: Jon Bithrey  
Editor: Bridget Harney  
Sound mix: Gareth Jones

email: [peoplefixingtheworld@bbc.co.uk](mailto:peoplefixingtheworld@bbc.co.uk)

(Image: Queen Maxima of the Netherlands at Oma's Soup)

**TUE 08:30 BBC News Summary (w172z2s0z2tm2lx)**  
The latest two minute news summary from BBC World Service.

**TUE 08:32 Business Daily (w3ct4n4m)**  
Taiwan: The political mood

The military threat from China, which claims Taiwan as its own, has dominated global headlines of late.

But ahead of elections, most voters here say it's low wages and property prices that are preying on their minds. Are politicians listening?

We also explore Taiwan's low birth rate - is it a financial decision for young couples not to have children and get a pet instead?

Produced and presented by Ed Butler.

(Image: A young couple take a selfie on the city MRT train. Credit: Getty Images)

**TUE 08:50 Witness History (w3ct4xbh)**  
Yeltsin speaks at the reburial of the Romanovs

In 1998, Russia's President Boris Yeltsin shocked the nation with a last-minute decision to speak at the reburial of Tsar Nicholas II and his family, 80 years after their murder.

"We must end an age of blood and violence in Russia," he said, as he called for the country to face up to the crimes of its communist past.

Lilia Dubovaya, a reporter for the state news service, told Robert Nicholson about the emotional weight of the day. A Whistledown production for BBC World Service.

(Image: President Yeltsin at the reburial of Tsar Nicholas II. Credit: Reuters)

**TUE 09:00 BBC News (w172z2r6jc6xv2n)**  
The latest five minute news bulletin from BBC World Service.

**TUE 09:06 The Newsroom (w172z2tq9m6h4qv)**  
The world's Newsroom brings you global events as they happen

**TUE 09:30 BBC News Summary (w172z2s0z2tm6c1)**  
The latest two minute news summary from BBC World Service.

**TUE 09:32 The Documentary (w3ct68np)**  
[Repeat of broadcast at 02:32 today]

**TUE 10:00 BBC News (w172z2r6jc6xyts)**  
The latest five minute news bulletin from BBC World Service.

**TUE 10:06 The Arts Hour (w3ct4vm1)**  
[Repeat of broadcast at 20:06 on Saturday]

**TUE 11:00 BBC News (w172z2r6jc6y2kx)**  
The latest five minute news bulletin from BBC World Service.

**TUE 11:06 The Newsroom (w172z2tq9m6hd73)**  
The world's Newsroom brings you global events as they happen

**TUE 11:30 BBC News Summary (w172z2s0z2tmfv9)**  
The latest two minute news summary from BBC World Service.

**TUE 11:32 In the Studio (w3ct4yg4)**  
[Repeat of broadcast at 04:32 today]

**TUE 12:00 BBC News (w172z2r6jc6y6b1)**  
The latest five minute news bulletin from BBC World Service.

**TUE 12:06 Outlook (w3ct4qxh)**  
A life made beautiful by rubbish

Robi Walters is a London-based artist who creates mesmerising, colourful collages out of discarded materials. He's been hugely successful, with celebrity buyers, and packed-out exhibitions. Robi is driven by an obsession with taking materials that have been abandoned by other people, and transforming them into something that's beautiful, and wanted. It's been part of a cathartic process, giving hope to the child who felt unwanted, in the aftermath of a tragic fire.

If you need support following anything you've heard in this episode please do go to [bbc.co.uk/action](http://bbc.co.uk/action) line or to [Befrienders.org](http://Befrienders.org)

Presenter: India Rakusen  
Producer: Mary Goodhart

Get in touch: [outlook@bbc.com](mailto:outlook@bbc.com) or WhatsApp +44 330 678 2707

(Photo: Robi Walters. Credit: Dave Benett/Getty Images for Quantus Gallery)



**TUE 12:50 Witness History (w3ct4xh6)**

[Repeat of broadcast at 08:50 today]

**TUE 13:00 BBC News (w172z2r6jc6yb25)**

The latest five minute news bulletin from BBC World Service.

**TUE 13:06 The Newsroom (w172z2tq9m6hmqc)**

The world's Newsroom brings you global events as they happen

**TUE 13:30 BBC News Summary (w172z2s0z2tmpbk)**

The latest two minute news summary from BBC World Service.

**TUE 13:32 Discovery (w3ct4npl)**

[Repeat of broadcast at 20:32 on Monday]

**TUE 14:00 BBC News (w172z2r6jc6yt19)**

The latest five minute news bulletin from BBC World Service.

**TUE 14:06 Newshour (w172z09t1pdv31q)**

Countries battle to save COP28 climate deal

Delegates at the UN climate summit are trying to reach consensus on a final declaration, after the first draft caused outrage by failing to call for a phase out of fossil fuels.

Also in the programme: the president of one of Turkey's top football teams has been arrested for punching a referee on the pitch; and we hear from the father of an Israeli woman killed by Hamas, who wants a Palestinian state but only once Hamas is defeated.

(Picture: Climate activists protest against fossil fuels at Dubai's Expo City. Credit: Reuters)

**TUE 15:00 BBC News (w172z2r6jc6ykkf)**

The latest five minute news bulletin from BBC World Service.

**TUE 15:06 People Fixing The World (w3ct4y0l)**

[Repeat of broadcast at 08:06 today]

**TUE 15:30 BBC News Summary (w172z2s0z2tmxtt)**

The latest two minute news summary from BBC World Service.

**TUE 15:32 World Business Report (w3ct4zq9)**

COP 28 climate negotiations continue after backlash

Climate negotiators at the COP 28 summit in Dubai are continuing to debate a draft agreement, after the one released on Monday failed to mention the phasing out of fossil fuels. Almost 200 countries are trying to rescue a deal, after the backlash that followed the initial draft.

China's President Xi Jinping has been meeting with his Vietnamese counterpart Nguyen Phu Trong in Hanoi. He's aiming to bolster ties with the country as the US seeks to deepen its relationship with one of the largest economies in Asia.

Taiwan's birth rate has fallen to one of the lowest levels in the world. Increasingly, it seems pets are taking the place of children. Our reporter Ed Butler has been finding out more at a cat shelter in Taipei.

(Picture: Climate activists from Fridays for Future Germany protest with a banner that reads: "Don't Fail Us, Phase Out Fossil Fuels!" on day twelve at the UNFCCC COP28 Climate Conference on December 12, 2023 in Dubai. Credit: Getty Images)

**TUE 16:00 BBC News (w172z2r6jc6yp9k)**

The latest five minute news bulletin from BBC World Service.

**TUE 16:06 BBC OS (w172z0w62gwwqz5)**

Talks to save COP28 climate deal

The presidency of the UN climate summit says it will publish a new draft resolution in the coming hours. The first version provoked anger by failing to mention the phasing out of fossil fuels. A number of oil producers, including Saudi Arabia, Russia and Iraq, are opposing its inclusion. We speak to activists at the summit.

Israel has continued its bombardment of Gaza, with the main focus on Khan Younis in the south. Our correspondent in Jerusalem has the latest.

President Zelensky of Ukraine is expected to press for more US

military aid for the war against Russia, when he meets President Biden today. We speak to our correspondent in Washington, and hear what the mood is in Ukraine.

The president of one of Turkey's top football teams has been arrested for punching a referee on the pitch, and all Turkish football leagues have been suspended. We hear about the reaction in Turkey.

E3, once the world's biggest in-person gaming event, has officially closed forever. We hear from gamers.

Presenter: James Reynolds.

(Photo: Climate activists protest against fossil fuels at Dubai's Expo City during the United Nations Climate Change Conference COP28 in Dubai, United Arab Emirates, December 12, 2023. Credit: Thomas Mukoya/Reuters)

**TUE 17:00 BBC News (w172z2r6jc6yt1p)**

The latest five minute news bulletin from BBC World Service.

**TUE 17:06 BBC OS (w172z0w62gwwvq9)**

Gaza's 'desperate situation'

Israeli forces are continuing their military operations across Gaza, with reports that the Kamal Adwan hospital in the north of the enclave has been stormed. The head of the UN agency for Palestinian refugees, Philippe Lazzarini, has described the situation in Gaza as hell on earth. We hear from a resident in the south and speak to our correspondent.

We look at President Zelensky's trip to Washington, to plead for the resumption of military aid to combat the Russian invasion.

We hear about the reaction in Turkey to the suspension of all football leagues after a referee was punched to the ground by a club president.

E3, once the world's biggest in-person gaming event, has officially closed forever. We hear from gamers.

Presenter: James Reynolds.

(Photo: An Israeli artillery unit operates near the border with Gaza, amid the ongoing conflict between Israel and Palestinian Islamist group Hamas, as seen from southern Israel, December 12, 2023. Credit: Ammar Awad/Reuters)

**TUE 18:00 BBC News (w172z2r6jc6yxst)**

The latest five minute news bulletin from BBC World Service.

**TUE 18:06 Outlook (w3ct4qxh)**

[Repeat of broadcast at 12:06 today]

**TUE 18:50 Witness History (w3ct4xh6)**

[Repeat of broadcast at 08:50 today]

**TUE 19:00 BBC News (w172z2r6jc6z1jy)**

The latest five minute news bulletin from BBC World Service.

**TUE 19:06 The Newsroom (w172z2tq9m6jc64)**

The world's Newsroom brings you global events as they happen

**TUE 19:30 BBC News Summary (w172z2s0z2tndtb)**

The latest two minute news summary from BBC World Service.

**TUE 19:32 Sport Today (w3ct4szf)**

2023/12/12 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

**TUE 20:00 BBC News (w172z2r6jc6z592)**

The latest five minute news bulletin from BBC World Service.

**TUE 20:06 The Documentary (w3ct68np)**

[Repeat of broadcast at 02:32 today]

**TUE 20:30 BBC News Summary (w172z2s0z2tnjkg)**

The latest two minute news summary from BBC World Service.

**TUE 20:32 Tech Life (w3ct4tqx)**

Connecting people

Tech Life looks at ways to connect people. We examine the mobile phone usage gap. What is it and can it be narrowed? And how do you shop online if you have no official address? Our reporter in Brazil finds out.

Also, we look at the company saving billions of litres of drinking water around the world by detecting leaky pipes using clever tech. And we find out about the latest fast-paced video gaming technology for people who are blind or partially-sighted.

**TUE 21:00 BBC News (w172z2r6jc6z916)**

The latest five minute news bulletin from BBC World Service.

**TUE 21:06 Newshour (w172z09t1pdvy8m)**

COP28: Talks continue into the night.

198 countries are trying to reach a deal at the UN's climate conference in Dubai after a promise to "phase out" fossil fuels was removed from the draft agreement.

Also on the programme: the Ukrainian President pleads with the US congress to resume military aid to his country, a supporter of the Harvard president on why it's right she's kept her job despite a huge row about anti-semitism, and tributes are paid to the South African singer Zahara, who has died at the age of 36.

(Picture: Climate protesters in the UAE capital Dubai. Credit: EPA)

**TUE 22:00 BBC News (w172z2r6jc6zdsb)**

The latest five minute news bulletin from BBC World Service.

**TUE 22:06 The Newsroom (w172z2swvwlvf07)**

The world's Newsroom brings you global events as they happen

**TUE 22:20 Sports News (w172z1k9b2p9g6c)**

BBC Sport brings you all the latest stories and results from around the world.

**TUE 22:30 BBC News Summary (w172z2s0z2tns1q)**

The latest two minute news summary from BBC World Service.

**TUE 22:32 World Business Report (w3ct4zsk)**

COP 28: Will there be an agreement on fossil fuels?

The COP28 climate talks in Dubai were supposed to have ended on Tuesday morning. Almost 200 countries are working into the night to salvage a deal on climate change, after a promise to "phase out" fossil fuels was removed from the draft agreement. The summit followed a year of extreme weather events in which many climate records were broken. So, will COP28 make any difference this year?

(Picture: COP28 UNFCCC Climate Conference: Day Twelve. Picture credit: Getty Images)

**TUE 23:00 BBC News (w172z2r6jc6zjjg)**

The latest five minute news bulletin from BBC World Service.

**TUE 23:06 People Fixing The World (w3ct4y0l)**

[Repeat of broadcast at 08:06 today]

**TUE 23:30 BBC News Summary (w172z2s0z2tnwsv)**

The latest two minute news summary from BBC World Service.

**TUE 23:32 In the Studio (w3ct4yq4)**

[Repeat of broadcast at 04:32 today]

### WEDNESDAY 13 DECEMBER 2023

**WED 00:00 BBC News (w172z2r6jc6zn8l)**

The latest five minute news bulletin from BBC World Service.

**WED 00:06 The Arts Hour (w3ct4vm1)**

[Repeat of broadcast at 20:06 on Saturday]

**WED 01:00 BBC News (w172z2r6jc6zs0q)**

The latest five minute news bulletin from BBC World Service.

**WED 01:06 Business Matters (w172zyz0nw99f1)**

Argentina devalues the peso

Just two days since Argentina's new president was sworn in, and already there are signs of some of the radical measures promised by Janier Milei. Argentina will weaken its peso over 50% to 800 per dollar and cut energy subsidies. The new Economy Minister Luis Caputo announced these measures, saying it would be painful in the short-term but was needed to bring down inflation.

(Picture: ARGENTINA-G20-TRADE-DUJOVNE-CAPUTO. Picture credit: Getty Images)

#### WED 02:00 BBC News (w172z2r6jc6zwrv)

The latest five minute news bulletin from BBC World Service.

#### WED 02:06 The Newsroom (w172z2tq9m6k6f1)

The world's Newsroom brings you global events as they happen

#### WED 02:30 BBC News Summary (w172z2s0z2tp817)

The latest two minute news summary from BBC World Service.

#### WED 02:32 The Climate Question (w3ct5bl1)

[Repeat of broadcast at 23:06 on Sunday]

#### WED 03:00 BBC News (w172z2r6jc700hz)

The latest five minute news bulletin from BBC World Service.

#### WED 03:06 Outlook (w3ct4qxh)

[Repeat of broadcast at 12:06 on Tuesday]

#### WED 03:50 Witness History (w3ct4xh6)

[Repeat of broadcast at 08:50 on Tuesday]

#### WED 04:00 BBC News (w172z2r6jc70483)

The latest five minute news bulletin from BBC World Service.

#### WED 04:06 The Newsroom (w172z2tq9m6kfx9)

The world's Newsroom brings you global events as they happen

#### WED 04:30 BBC News Summary (w172z2s0z2tphjh)

The latest two minute news summary from BBC World Service.

#### WED 04:32 The Documentary (w3ct68tm)

The children of paradise

Three decades after the momentous transition from apartheid to a democratic South Africa, Fergal Keane returns to see what happened to the hopes and promises of a better nation.

In a famous speech 30 years ago, as he collected the Nobel Peace Prize, Nelson Mandela spoke of a "common humanity" in which all South Africans would live "like the children of paradise."

As the BBC's South Africa correspondent at the time, Fergal Keane, along with his colleague and friend Milton Nkosi, lived through some of the country's most desperate times. It was a period of extreme violence and loss, but also of great hope. Now Fergal and Milton travel through the country, revisiting some of the places and people they encountered in the lead up to the end of Apartheid. They will explore how and why paradise was lost.

(Photo: Young boy dressed as a superhero in Khayelitsha, South Africa. Credit: RichVintage/Getty Images)

#### WED 05:00 BBC News (w172z2r6jc70807)

The latest five minute news bulletin from BBC World Service.

#### WED 05:06 Newsday (w172z07bqhlzys)

Climate summit draft fails to agree to phase out fossil fuel

Climate talks in Dubai run through the night as countries seek a deal on fossil fuel - will a new draft get a deal done?

The United Nations General Assembly votes overwhelmingly for an immediate ceasefire in Gaza - we get the latest on the humanitarian situation there.

Argentina devalues its currency by more than 50 percent as the country is trying to revive its crumbling economy.

#### WED 06:00 BBC News (w172z2r6jc70crce)

The latest five minute news bulletin from BBC World Service.

#### WED 06:06 Newsday (w172z07bqhlv3px)

Climate summit negotiators publish new draft on fossil fuel

A new draft text has been published at the COP28 climate summit, including a reference to 'transitioning away' from fossil fuels but not phasing them out - what does this all mean... we dissect the text?

As the United Nations General Assembly approves a non-binding resolution demanding an immediate humanitarian ceasefire in Gaza, President Biden warns Israel that it's losing support by indiscriminate bombing.

Ukraine's President Zelensky goes to Washington to plead for more aid from the United States - we get the latest from Ukraine as they continue their counter offensive to recapture territories from Russian forces.

#### WED 07:00 BBC News (w172z2r6jc70hhh)

The latest five minute news bulletin from BBC World Service.

#### WED 07:06 Newsday (w172z07bqhlv7g1)

COP28 looking for final agreement over fossil fuel energy

Delegates at the UN climate summit in Dubai have broadly welcomed the latest draft of the final agreement, which for the first time calls on countries to transition away from the use of fossil fuels - the conference president, Sultan Al Jaber, will now call a plenary session to adopt the text unanimously, or reject it.

The United Nations votes overwhelmingly in favour of a resolution calling for an immediate ceasefire in Gaza - we get the latest from Jerusalem with our correspondent there.

And the British Prime Minister Rishi Sunak has seen off a Tory rebellion over his flagship Rwanda bill but he still faces a battle to get it through Parliament - we speak to a former MP from the governing party.

#### WED 08:00 BBC News (w172z2r6jc70m7m)

The latest five minute news bulletin from BBC World Service.

#### WED 08:06 HARDtalk (w3ct32sc)

Roxane Gay: An unflinching memoir

Stephen Sackur speaks to American writer, academic and cultural commentator Roxane Gay. Her unflinching, extraordinary memoir Hunger deals with her experience of rape and obesity. How scary is the level of self-exposure in much of her writing?

(Photo: Roxane Gay in the Hardtalk studio)

#### WED 08:30 BBC News Summary (w172z2s0z2tpzj0)

The latest two minute news summary from BBC World Service.

#### WED 08:32 Business Daily (w3ct4n94)

Taiwan: Prepping for war

One month before pivotal elections in Taiwan, Ed Butler meets ordinary citizens getting ready just in case growing threats of a Chinese invasion do come to pass.

First-aid and weapons training are top of the list. But why isn't the government doing more to get people ready?

Presented and produced by Ed Butler

(Image: A first aid training exercise)

#### WED 08:50 Witness History (w3ct4xkg)

Anna Akhmatova: The poet who defied a regime

The great Russian poet Anna Akhmatova lived through some of the darkest chapters of Soviet history, but never stopped writing even though the communist regime repeatedly tried to silence her. One of Anna's most famous poems, Requiem, is about her son's arrest and the Stalinist terror.

In 2022, art historian Era Korobova told Tatyana Movshevich about the poet's tumultuous relationship with her son.

(Photo: Anna Akhmatova (second from right, at a Soviet writers' conference in 1965. Credit: Getty Images)

#### WED 09:00 BBC News (w172z2r6jc70qzr)

The latest five minute news bulletin from BBC World Service.

#### WED 09:06 The Newsroom (w172z2tq9m6l1my)

The world's Newsroom brings you global events as they happen

#### WED 09:30 BBC News Summary (w172z2s0z2tq384)

The latest two minute news summary from BBC World Service.

#### WED 09:32 The Climate Question (w3ct5bl1)

[Repeat of broadcast at 23:06 on Sunday]

#### WED 10:00 BBC News (w172z2r6jc70vqw)

The latest five minute news bulletin from BBC World Service.

#### WED 10:06 World Questions (w3ct59t9)

[Repeat of broadcast at 12:06 on Saturday]

#### WED 11:00 BBC News (w172z2r6jc70zh0)

The latest five minute news bulletin from BBC World Service.

#### WED 11:06 The Newsroom (w172z2tq9m6l946)

The world's Newsroom brings you global events as they happen

#### WED 11:30 BBC News Summary (w172z2s0z2tqbrd)

The latest two minute news summary from BBC World Service.

#### WED 11:32 The Documentary (w3ct68tm)

[Repeat of broadcast at 04:32 today]

#### WED 12:00 BBC News (w172z2r6jc71374)

The latest five minute news bulletin from BBC World Service.

#### WED 12:06 Outlook (w3ct4r48)

The Hollywood screenwriter born in a cult

Guinevere Turner grew up in a cult in 1970s America. Centred around a charismatic banjo and harmonica player called Mel Lyman, cult members believed Lyman was the messiah, that aliens would come and take them to live on Venus and that women should serve men. When Guinevere was 11 years old, her mother was kicked out of the cult, but Guinevere begged to stay with the only family she had ever known. On the outside, following years of abuse from her mother's boyfriend, Guinevere was tempted to rejoin, but a pivotal moment changed her mind. She went on to write the seminal film Go Fish and co-wrote the screenplay for American Psycho, but it was only when writing about women in the Manson cult that she realised it was time to tell her own story.

Presenter: Seyi Rhodes

Producer: Sarah Kendal

Get in touch: outlook@bbc.com or WhatsApp 44 330 678 2707

(Photo: Guinevere Turner. Credit: Elizabeth Turner/Paul Archuleta/FilmMagic)

#### WED 12:50 Witness History (w3ct4xkg)

[Repeat of broadcast at 08:50 today]

#### WED 13:00 BBC News (w172z2r6jc716z8)

The latest five minute news bulletin from BBC World Service.

#### WED 13:06 The Newsroom (w172z2tq9m6ljmg)

The world's Newsroom brings you global events as they happen

#### WED 13:30 BBC News Summary (w172z2s0z2tql7n)

The latest two minute news summary from BBC World Service.

#### WED 13:32 Tech Life (w3ct4tqx)

[Repeat of broadcast at 20:32 on Tuesday]

#### WED 14:00 BBC News (w172z2r6jc71bqd)

The latest five minute news bulletin from BBC World Service.

#### WED 14:06 Newshour (w172z09t1pdxzyt)

COP28: agreement calls for "transition away from fossil fuels"

Delegates at the UN Climate Change Conference have reached an agreement that - for the first time - calls on countries to "transition away from fossil fuels", although that doesn't include gas . . . We hear reaction from countries in the developed and developing worlds. And we ask whether the summit can be considered a success.

Also in the programme: we board the night train from Berlin to Paris, revived after it was scrapped nine years ago; and we hear how brain tissue and technology are being brought together for

the next generation of computers.

(IMAGE: Sultan Ahmed Al Jaber, COP28 President and UAE's Minister for Industry and Advanced Technology, bangs the gavel as he speaks following the 2023 United Nations Climate Change Conference (COP28), in Dubai, United Arab Emirates, 13 December 2023 / CREDIT: EPA / Martin Divisek)

**WED 15:00 BBC News (w172z2r6jc71ggj)**  
The latest five minute news bulletin from BBC World Service.

**WED 15:06 HARDtalk (w3ct32sc)**  
[Repeat of broadcast at 08:06 today]

**WED 15:30 BBC News Summary (w172z2s0z2tqtqx)**  
The latest two minute news summary from BBC World Service.

**WED 15:32 World Business Report (w3ct4zvt)**  
Argentina's economy: short-term pain for long-term gain?

Argentina's Minister for the Economy, Lewis Caputo, has announced plans to devalue the peso by more than half. The move has been welcomed by the International Monetary Fund, which says it may help boost private sector investment. Argentina is battling soaring inflation, with prices rising by around 150% over the last year. It is also struggling with low cash reserves, high government debt, while 40% of the population is living below the poverty line.

A new climate deal has been approved at the UN's COP 28 summit in Dubai. There's a reference in the text to 'transitioning away' from fossil fuels. The COP28 president, Sultan Al Jaber, said the conference had delivered world first, after world first.

We hear from LIV Golf Chief Executive Greg Norman about the proposed merger with the PGA Tour as the deadline looms.

(Picture: President of Argentina Javier Milei gives a speech after his Inauguration Ceremony at "Casa Rosada" Presidential Palace on December 10, 2023 in Buenos Aires, Argentina. Credit: Marcos Brindicci/Getty Images)

**WED 16:00 BBC News (w172z2r6jc71l6n)**  
The latest five minute news bulletin from BBC World Service.

**WED 16:06 BBC OS (w172z0w62gzwmw8)**  
Deal agreed at the UN climate Summit

After days of negotiations, member states at the UN climate summit in Dubai have agreed a deal calling on all nations to transition away from using fossil fuels. Our climate change expert is answering your questions around climate, fossil fuels and the UN Summit.

Ukrainians are preparing to mark their second Christmas under Russian invasion. We hear a conversation between two people with a connection to the Eastern port city of Mariupol, the hub for Ukraine's iron and steelworks.

Tesla is recalling more than two million cars after the US regulator found its driver assistance system, Autopilot, was partly defective. Our Tech-correspondent Chris Vallance tells us more about the system and the problem with it.

Presenter: James Reynolds

(Photo: Activists participate in a demonstration against fossil fuels, during the United Nations Climate Change Conference COP28 in Dubai, United Arab Emirates, December 5, 2023. REUTERS/Thomas Mukoya )

**WED 17:00 BBC News (w172z2r6jc71pys)**  
The latest five minute news bulletin from BBC World Service.

**WED 17:06 BBC OS (w172z0w62gzrmd)**  
Gaza: Heavy rains worsen living conditions

Presenter: James Reynolds

We have the latest on the situation in Rafah, in the south of the Gaza Strip, after heavy rains made living conditions more difficult for displaced Palestinians in tent camps.

We hear tributes to Brooklyn Nine Nine actor Andre Braugher who has died aged 61 after a brief illness.

We'll find out more about a ceasefire between the Congolese government and M23 rebels ahead of elections in the DRC

And as Ukrainians prepare to mark their second Christmas

under Russian invasion. We hear a conversation between two people with a connection to the Eastern port city of Mariupol, the hub for Ukraine's iron and steelworks.

(Photo: Displaced Palestinians, who fled their houses due to Israeli strikes, walk following heavy rains at tent camps, as the conflict between Israel and Hamas continues, in Rafah, in the southern Gaza Strip December 13, 2023. REUTERS/Mohammed Salem)

**WED 18:00 BBC News (w172z2r6jc71tpx)**  
The latest five minute news bulletin from BBC World Service.

**WED 18:06 Outlook (w3ct4r48)**  
[Repeat of broadcast at 12:06 today]

**WED 18:50 Witness History (w3ct4xkg)**  
[Repeat of broadcast at 08:50 today]

**WED 19:00 BBC News (w172z2r6jc71ygl)**  
The latest five minute news bulletin from BBC World Service.

**WED 19:06 The Newsroom (w172z2tq9m6m837)**  
The world's Newsroom brings you global events as they happen

**WED 19:30 BBC News Summary (w172z2s0z2tr9gf)**  
The latest two minute news summary from BBC World Service.

**WED 19:32 Sport Today (w3ct4t1p)**  
2023/12/13 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

**WED 20:00 BBC News (w172z2r6jc72265)**  
The latest five minute news bulletin from BBC World Service.

**WED 20:06 The Climate Question (w3ct5bl1)**  
[Repeat of broadcast at 23:06 on Sunday]

**WED 20:30 BBC News Summary (w172z2s0z2trfgk)**  
The latest two minute news summary from BBC World Service.

**WED 20:32 Health Check (w3ct4pf0)**  
Closer to a cure for morning sickness

Morning sickness affects 4 in 5 women at some point in pregnancy but until now we've known little about why. Now researchers in the USA, Sri Lanka and the UK have discovered that it could be linked to a hormone produced in the placenta, and the mother's reaction to it. Dr Graham Easton explains how it could lead to new cures.

He also brings Claudia Hammond news from Ukraine where the ongoing war has caused an increase in multidrug-resistant organisms. The US Center for Disease Control and Prevention, and the Center for Public Health of Ukraine are calling the spread of antimicrobial resistance in Ukraine an urgent crisis.

People living in Port Sudan, the country's biggest sea port city, have spent days struck by an unprecedented infestation of flies. Claudia hears how it has made everyday life almost impossible, and how it could have long term health consequences for residents.

And how does watching news coverage of disasters make you feel? Claudia discusses how bad news can impact our mental health with Roxane Cohen Silver, Distinguished Professor of Psychological Science, Medicine, and Public Health at the University of California Irvine, and Michael Clemence, Associate Director, Trends & Futures at Ipsos.

Presenter: Claudia Hammond  
Producer: Clare Salisbury  
Assistant Producer: Jonathan Blackwell

**WED 21:00 BBC News (w172z2r6jc725y9)**  
The latest five minute news bulletin from BBC World Service.

**WED 21:06 Newshour (w172z09t1pdyv5q)**  
COP28: UN Climate Summit in Dubai ends

198 countries have agreed to 'transition away' from fossil fuels. But what does that actually mean?

Also on the programme: The US Supreme Court is to hear a case which may determine the future of a pill used in most abortions in the country. Argentina devalues its currency by more than a half. And we'll speak to the mother of a Palestinian-American student who was shot in the US state of Vermont.

(Picture: COP28 in Dubai ends. Credit: Reuters)

**WED 22:00 BBC News (w172z2r6jc729pf)**  
The latest five minute news bulletin from BBC World Service.

**WED 22:06 The Newsroom (w172z2swvwy9xb)**  
The world's Newsroom brings you global events as they happen

**WED 22:20 Sports News (w172z1k9b2pdc3g)**  
BBC Sport brings you all the latest stories and results from around the world.

**WED 22:30 BBC News Summary (w172z2s0z2trnyt)**  
The latest two minute news summary from BBC World Service.

**WED 22:32 World Business Report (w3ct4zy2)**  
Federal Reserve left interest rates unchanged

The US central bank left interest rates unchanged as it said it remained committed to slowing price rises.

Members of the Federal Reserve gave the strongest sign yet that they expect to start cutting rates next year.

Projections released after the bank's meeting showed they expect its key interest rate to stand at 4.6% next year, more than half a percentage point lower than the current rate.

Also, in the programme, we will discuss the German budget and will find out how popular non-English speaking content is on Netflix.

(Picture: American dollar and interest rates. Picture credit: Getty Images)

**WED 23:00 BBC News (w172z2r6jc72ffk)**  
The latest five minute news bulletin from BBC World Service.

**WED 23:06 HARDtalk (w3ct32sc)**  
[Repeat of broadcast at 08:06 today]

**WED 23:30 BBC News Summary (w172z2s0z2trspy)**  
The latest two minute news summary from BBC World Service.

**WED 23:32 The Documentary (w3ct68tm)**  
[Repeat of broadcast at 04:32 today]

#### THURSDAY 14 DECEMBER 2023

**THU 00:00 BBC News (w172z2r6jc72k5p)**  
The latest five minute news bulletin from BBC World Service.

**THU 00:06 World Questions (w3ct59t9)**  
[Repeat of broadcast at 12:06 on Saturday]

**THU 01:00 BBC News (w172z2r6jc72nxt)**  
The latest five minute news bulletin from BBC World Service.

**THU 01:06 Business Matters (w172zyzy0nwd6b4)**  
Federal Reserve left interest rates unchanged

The US central bank left interest rates unchanged as it said it remained committed to slowing price rises.

Members of the Federal Reserve gave the strongest sign yet that they expect to start cutting rates next year.

Projections released after the bank's meeting showed they expect its key interest rate to stand at 4.6% next year, more than half a percentage point lower than the current rate.

Also, in the programme, we will find out how popular non-English speaking content is on Netflix.

(Picture: FED The Federal Reserve System, the central banking system of the United States of America. Picture credit: Getty Images)

World Service Listings for 9 – 15 December 2023		Page 12 of 16
<p><b>THU 02:00 BBC News (w172z2r6jc72sny)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 02:06 The Newsroom (w172z2tq9m6n3b4)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 02:30 BBC News Summary (w172z2s0z2ts4yb)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 02:32 Assignment (w3ct4m82)</b> Ukraine: Fighting for openness</p> <p>As hundreds of thousands of Ukrainian soldiers defend their country against Russia, many patriotic civilians are engaged in a struggle that's less risky, but that they believe is also vital. They're battling for a fairer, less corrupt Ukraine, worthy of its heroes.</p> <p>For Assignment, Tim Whewell follows one tireless citizens' group in the city of Dnipro as they continue, even in wartime, to hold local authorities to account. They've been investigating a contract to repair housing damaged in a Russian attack. And they claim there's been corrupt profiteering. But Dnipro's powerful mayor dismisses the allegations - and deliberately insults those who question his priorities.</p> <p>What's the role of civil society when rockets are falling? And can Ukraine - one of the world's more corrupt countries - pursue reform while the war continues?</p> <p>Produced and presented by Tim Whewell</p> <p>(Image: Protestors outside Dnipro City Hall call for more spending on the army – and less on urban improvement projects. Credit: BBC/Tim Whewell)</p> <p><b>THU 03:00 BBC News (w172z2r6jc72xf2)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 03:06 Outlook (w3ct4r48)</b> [Repeat of broadcast at 12:06 on Wednesday]</p> <p><b>THU 03:50 Witness History (w3ct4xkg)</b> [Repeat of broadcast at 08:50 on Wednesday]</p> <p><b>THU 04:00 BBC News (w172z2r6jc73156)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 04:06 The Newsroom (w172z2tq9m6nbtD)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 04:30 BBC News Summary (w172z2s0z2tsdfI)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 04:32 The Food Chain (w3ct4v7s)</b> Feed your brain</p> <p>Our brains require 20% of our body's energy intake, despite making up, on average, only 2% of our body weight.</p> <p>There are nutrients that are needed for brain health and development, yet many of us don't think about specifically eating for our brains.</p> <p>In this programme Ruth Alexander learns about the relationship between our gut and our brain, and the impact food can have on your alertness, mood and memory.</p> <p>And just why oily fish, and other foods containing omega 3 fatty acids are so good for your brain.</p> <p>Ruth speaks to Dr Reeta Achari, a neurologist specialising in nutrition in Texas, United States and Dr Uma Naidoo a nutritional psychiatrist and author of 'Calm Your Mind With Food', in Massachusetts, United States. They are joined by Michelle Munt in the United Kingdom, whose blog 'Jumbled Brain' talks about recovering from a brain injury following a car accident in 2014.</p> <p>Presented by Ruth Alexander.</p> <p>Produced by Julia Paul and Beatrice Pickup.</p> <p>(Image: a selection of foods collected in the shape of a brain. Credit: Getty Images/BBC)</p> <p><b>THU 05:00 BBC News (w172z2r6jc734xb)</b> The latest five minute news bulletin from BBC World Service.</p>	<p><b>THU 05:06 Newday (w172z07bqhlxwvw)</b> US lawmakers vote to investigate President's family's finances</p> <p>In Washington, the Republican-led US House of Representatives has voted to launch an impeachment inquiry into President Joe Biden - we hear about the significance of the motion alleging bribery and corruption by Biden family members.</p> <p>Wednesday saw a historic climate change agreement at COP28 in Dubai, the delegates agreed to transition away from fossil fuels - we hear how that might impact developing nations that rely on oil and gas.</p> <p>And we get an update on Gaza, too, as the death toll mounts.</p> <p><b>THU 06:00 BBC News (w172z2r6jc738ng)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 06:06 Newday (w172z07bqhly0m0)</b> Poorer countries with recently discovered oil resources assess COP28 agreement</p> <p>At the climate summit in Dubai, COP28 ended with an agreement to transition away from fossil fuels - we speak to a government minister in Ghana which is banking on oil to generate much of its future income.</p> <p>The Republican-led US House of Representatives has voted to launch a formal impeachment investigation into Joe Biden - the President called the move a baseless political stunt.</p> <p>Leaders from the European Union are gathering in Brussels today, aiming to tackle Hungarian resistance to a multi-billion dollar aid package for Ukraine.</p> <p><b>THU 07:00 BBC News (w172z2r6jc73ddl)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 07:06 Newday (w172z07bqhly4c4)</b> Gaza war: Senior US official visiting Israel expected to call for greater restraint</p> <p>We hear whether support is waning for Israel's military campaign in Gaza as even the US - its staunchest ally - voices concerns over the spiralling Palestinian death toll.</p> <p>European Union foreign ministers are set to meet on Thursday to discuss a big aid package for Ukraine - and Ukrainian accession to the EU - but Hungary's Viktor Orban has been holding out against both.</p> <p>And after the COP28 climate conference ended with a deal highlighted by a global commitment to transition away from the use of fossil fuels, we discuss what was agreed on food production.</p> <p><b>THU 08:00 BBC News (w172z2r6jc73j4q)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 08:06 The Inquiry (w3ct4wdy)</b> Is Venezuela about to invade its neighbour?</p> <p>Tensions between South American neighbours Venezuela and Guyana have ratcheted up a notch in recent weeks over the disputed oil rich region of Essequibo. The territory, which is roughly the size of Florida, currently makes up around two thirds of Guyana and vast oil reserves were discovered here in 2015 which have helped make Guyana's economy one of the fastest growing in the world.</p> <p>Essequibo has come under the authority of Guyana and before it British Guiana for more than a century, but Venezuela has always disputed that decision made by an international tribunal back in 1899. The issue is currently with the International Court of Justice in the Hague, who are expected to make a decision next year. But Venezuela does not recognise their jurisdiction.</p> <p>And now President Maduro has used the results of a recent referendum claiming rights over Essequibo, as evidence to support his threat to move forward with plans to annex the region.</p> <p>So this week on The Inquiry, we're asking 'Is Venezuela about to invade its neighbour?'</p> <p>Contributors: Phil Gunson, Senior Analyst, Andes, Caracas, Venezuela for International Crisis Group Alejandro Velasco, Associate Professor of Latin American History, New York University, author of 'Barrio Rising: Urban Popular Politics and the Making of Modern Venezuela Dr Christopher Sabatini, Senior Fellow for Latin America at</p>	<p>Chatham House, London Dr Annette Idler, Associate Professor in Global Security, Blavatnik School of Government, University of Oxford.</p> <p>Presenter: David Baker Producer: Jill Collins Researcher: George Crafer Editor: Tara McDermott Technical Producer: Mitch Goodall Broadcast Co-ordinator: Jordan King</p> <p>Image credit: Anadolu/Getty</p> <p><b>THU 08:30 BBC News Summary (w172z2s0z2tswf3)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 08:32 Business Daily (w3ct4m03)</b> Putting the 'F' word into climate talks</p> <p>The COP 28 climate talks in Dubai have closed with a deal to "transition away" from fossil fuels.</p> <p>So what does this mean for the future of oil, gas and coal companies?</p> <p>Sam Fenwick talks to two companies who sent representatives to COP 28; the Norwegian energy giant Equinor and the Middle East's oldest private energy company, Crescent Petroleum. Do they plan to ever abandon fossil fuels entirely?</p> <p>And she finds out what the leader of COP28's Greenpeace delegation makes of the agreement.</p> <p>Presenter: Sam Fenwick Producer: Lexy O'Connor</p> <p>(Photo: Offshore drilling platform during sunrise with work vessel. Credit: Getty Images)</p> <p><b>THU 08:50 Witness History (w3ct4xdy)</b> Vatican citizen Emanuela Orlandi disappears</p> <p>In 1983, the disappearance of a teenage girl who was a citizen of Vatican City led to a scandal.</p> <p>When Pope John Paul II made a public appeal to the people holding Emanuela Orlandi captive, the world took notice and her case was treated as a suspected kidnapping.</p> <p>Forty years on, the reason she vanished is still unclear.</p> <p>Emanuela's brother, Pietro Orlandi, speaks to Daniel Gordon about his life-long mission to find out what really happened to his sister.</p> <p>(Photo: A protester holds a photo of Emanuela. Credit: Stefano Montesi/Corbis/Getty Images)</p> <p><b>THU 09:00 BBC News (w172z2r6jc73mww)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 09:06 The Newsroom (w172z2tq9m6nyk1)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 09:30 BBC News Summary (w172z2s0z2tt057)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 09:32 Assignment (w3ct4m82)</b> [Repeat of broadcast at 02:32 today]</p> <p><b>THU 10:00 BBC News (w172z2r6jc73rmz)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 10:06 Unexpected Elements (w3ct4wkj)</b> An exploration of empathy</p> <p>On the 75th anniversary of the Universal Declaration Of Human Rights, we look into the phenomenon of caring for things outside of ourselves – whether it's human rights, the environment, or even odd sports.</p> <p><b>THU 11:00 BBC News (w172z2r6jc73wd3)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 11:06 The Newsroom (w172z2tq9m6p619)</b> The world's Newsroom brings you global events as they happen</p>
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World Service Listings for 9 – 15 December 2023		Page 13 of 16
<p><b>THU 11:30 BBC News Summary (w172z2s0z2tt7nh)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 11:32 The Food Chain (w3ct4v7s)</b> [Repeat of broadcast at 04:32 today]</p> <p><b>THU 12:00 BBC News (w172z2r6jc74047)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 12:06 Outlook (w3ct4qpq)</b> Harry Potter and the dynamic shadow – his stuntman</p> <p>David Holmes was a talented young British gymnast and stuntman. For 10 years he was at the top of his game working as Daniel Radcliffe's stunt double in the Harry Potter film franchise. Living the fast life and forming lifelong connections with cast and crew, it was the dream job. But then as he was rehearsing a stunt for the seventh film something went very wrong. David was left paralysed from the neck down and had to learn to live a new and very different life. David's documentary is called David Holmes: The Boy Who Lived.</p> <p>Ugandan school teacher John Ssentamu was looking for ways to inspire and entice his pupils back in to school. On a long bus journey he stumbled across just the thing to help him, a Harry Potter book. Beyond the spells and adventures what really caught his eye was the game of Quidditch. Now armed with broomsticks and golden snitches he's introduced hundreds of students to the game and become the coach for Uganda's Quidditch team.</p> <p>Presenter: Seyi Rhodes Producers: Tommy Dixon, Zoe Gelber, Jo Impey</p> <p>(Photo: David Holmes and Daniel Radcliffe. Credit: John Wilson/HBO)</p> <p><b>THU 12:50 Witness History (w3ct4xdy)</b> [Repeat of broadcast at 08:50 today]</p> <p><b>THU 13:00 BBC News (w172z2r6jc743wc)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 13:06 The Newsroom (w172z2tq9m6pfjk)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 13:30 BBC News Summary (w172z2s0z2tth4r)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 13:32 Health Check (w3ct4pf0)</b> [Repeat of broadcast at 20:32 on Wednesday]</p> <p><b>THU 14:00 BBC News (w172z2r6jc747mh)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 14:06 Newshour (w172z09t1pf0wvx)</b> EU decides on support for Ukraine</p> <p>European Union leaders meet to decide whether the bloc will commit more financial support and open accession talks for Ukraine as Hungary threatens to veto. So are Ukraine's most ardent supporters inside the EU getting worried?</p> <p>Also in the programme: the Prime Minister of Saint Vincent and the Grenadines, Ralph Gonsalves, on mediating between Venezuela and Guyana over their territorial dispute; and anger over plans to name a Paris metro station after the singer Serge Gainsbourg.</p> <p>(Image: European Council in Brussels. Credit: OLIVIER MATTHYS/EPA-EFE/REX/Shutterstock)</p> <p><b>THU 15:00 BBC News (w172z2r6jc74ccm)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 15:06 The Inquiry (w3ct4wdy)</b> [Repeat of broadcast at 08:06 today]</p> <p><b>THU 15:30 BBC News Summary (w172z2s0z2ttqn0)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 15:32 World Business Report (w3ct4zks)</b> All eyes on Orban as EU leaders debate support for Ukraine</p> <p>A two-day summit of EU leaders is underway in Brussels, with</p>	<p>support for Ukraine in the spotlight. Kyiv is hoping to gain accession to the European Union, as well as \$58 billion funding to take the Ukrainian economy through 2024. But any decision must be unanimous and Hungary's president Viktor Orban has taken an anti-Ukraine stance. We hear from a former Ukrainian trade minister and a business owner in Lviv.</p> <p>The presidents of Venezuela and Guyana are meeting in St Vincent and The Grenadines to discuss a dispute over the oil rich Essequibo region. St Vincent and the Grenadines prime minister Ralph Gonsalves gives us the background to the dispute.</p> <p>With the festive season in full swing in the UK, office workers from Salford in the north of England tell us whether they would prefer a Christmas party or a bonus this year.</p> <p>(Picture: Prime Minister of Hungary Viktor Orban arrives at the European Council summit at Batiment Europa on December 14, 2023 in Brussels, Belgium. Credit: Jean Catuffe/Getty Images)</p> <p><b>THU 16:00 BBC News (w172z2r6jc74h3r)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 16:06 BBC OS (w172z0w62gx2jse)</b> EU leaders decide on support for Ukraine</p> <p>European Union leaders are meeting for a summit dominated by divisions between Hungary and the rest of the bloc over Ukraine. A symbolic invitation to Ukraine to start formal EU negotiations tops the agenda of the two-day summit. We speak to our correspondent in Brussels and hear reaction from Ukraine.</p> <p>President Putin has said there will be no peace in Ukraine until Moscow has achieved its goals. In his first major news conference since Russia launched its full-scale invasion nearly two years ago, Mr Putin insisted the war was going well and that Russian troops were improving their positions along the frontline. We speak to our colleague from BBC Russian and get some reaction from Russians.</p> <p>Israeli forces continue their offensive against Hamas in Gaza. We hear from displaced people who are in the camps.</p> <p>Presenter: James Reynolds.</p> <p>(Photo: French President Emmanuel Macron (R) speaks with Hungarian Prime Minister Viktor Orban (L) during a European Council in Brussels, Belgium, 14 December 2023. Credit: by OLIVIER HOSLET/EPA-EFE/REX/Shutterstock)</p> <p><b>THU 17:00 BBC News (w172z2r6jc74lww)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 17:06 BBC OS (w172z0w62gx2njh)</b> Israel says 70 fighters arrested at Gaza hospital</p> <p>The Israeli defence minister Yoav Gallant has told President Biden's National Security Adviser, Jake Sullivan, that the war in Gaza will continue for a considerable time to come. We speak to our correspondent in Jerusalem and from displaced people who are in the camps in Gaza.</p> <p>Our science correspondent tells us about the world's biggest iceberg, described as a "monster iceberg".</p> <p>We hear about the plight of Afghans stuck in limbo at the US-Mexico border.</p> <p>The presidents of Guyana and Venezuela are in St Vincent and the Grenadines for high-level talks, amid tensions over a dispute involving a potentially oil-rich border area. Our reporter from BBC Monitoring in Miami explains.</p> <p>Presenter: James Reynolds.</p> <p>(Photo: A Palestinian reacts at the site of an Israeli strike on a house, amid the ongoing conflict between Israel and Palestinian Islamist group Hamas, in Rafah in the southern Gaza Strip December 14, 2023. CCredit: Sami Abu Tabak/Reuters)</p> <p><b>THU 18:00 BBC News (w172z2r6jc74qm0)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 18:06 Outlook (w3ct4qpq)</b> [Repeat of broadcast at 12:06 today]</p> <p><b>THU 18:50 Witness History (w3ct4xdy)</b> [Repeat of broadcast at 08:50 today]</p>	<p><b>THU 19:00 BBC News (w172z2r6jc74vc4)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 19:06 The Newsroom (w172z2tq9m6q50b)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 19:30 BBC News Summary (w172z2s0z2tv6mj)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 19:32 Sport Today (w3ct4sx5)</b> 2023/12/14 GMT</p> <p>BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.</p> <p><b>THU 20:00 BBC News (w172z2r6jc74z38)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 20:06 Assignment (w3ct4m82)</b> [Repeat of broadcast at 02:32 today]</p> <p><b>THU 20:30 BBC News Summary (w172z2s0z2tvbvn)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 20:32 Science In Action (w3ct4sdc)</b> The science of morning sickness</p> <p>An international team of researchers led by the University of Cambridge's Prof Stephen O'Rahilly have discovered that sensitivity to the hormone GDF15 may cause severe morning sickness during pregnancy. Dr Marlena Fejzo, who took part in the study, tells us more.</p> <p>Back in September, the OSIRIS-REx craft dropped a sample from the asteroid Bennu into the Utah desert. Now, scientists around the world have started studying the dust fragments in earnest. We join Dr Ashley King from the Natural History Museum in London and beamline scientist Dr Sharif Ahmed as they embark on their research.</p> <p>Professor Scott Fendorf, from the University of Stanford, reveals that wildfire smoke contains heavy metals, which may be why it's so damaging to our health.</p> <p>Dr Junjie Yao from Duke University has worked on a new 'sono-ink'. This ink can be used to 3D print structures within the body, which can be used to mend tissues, bones and organs.</p> <p>Presenter: Roland Pease Producer: Alice Lipscombe-Southwell Editor: Martin Smith Production Co-ordinator: Jana Bennett-Holesworth</p> <p>(Photo: Young pregnant woman, 35 years old, feeling sick on a toilet. Credit: Getty Images)</p> <p><b>THU 21:00 BBC News (w172z2r6jc752vd)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 21:06 Newshour (w172z09t1pf1r2t)</b> Ukraine-EU membership talks to open</p> <p>Talks continue despite a threat by the Hungarian prime minister to veto the move. We hear from a senior Ukrainian MP.</p> <p>Also on the programme: We hear from the prime minister of St Vincent and the Grenadines who is trying to get Venezuela and Guyana to sort out their territorial dispute over oil wealth; and why Parisians are up in arms about a new metro station being named after the controversial singer Serge Gainsbourg.</p> <p>(Photo: Ukraine's President Volodymyr Zelenskii (C), European Commission President Ursula von der Leyen (R) and European Council President Charles Michel (L) pose for a picture during a European Union summit. Credit: Ukrainian Presidential Press Service/Reuters)</p> <p><b>THU 22:00 BBC News (w172z2r6jc756lj)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 22:06 The Newsroom (w172z2swvwm16tf)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 22:20 Sports News (w172z1k9b2ph80k)</b> BBC Sport brings you all the latest stories and results from around the world.</p>
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**THU 22:30 BBC News Summary (w172z2s0z2tvkvx)**  
The latest two minute news summary from BBC World Service.

**THU 22:32 World Business Report (w3ct4zn1)**  
Ukraine moves closer to joining the EU

At a summit in Brussels European leaders announced they will open accession talks with Kiev as well as Moldova, whilst Georgia has been awarded candidate status.

Ukraine's President Volodymyr Zelensky called the decision "a victory" for his country and the whole of Europe.

Vivienne Nunis gets reaction to this and finds out what it might mean for the future of the Ukraine war.

(Picture: Ukraine's President Volodymyr Zelensky (C) walking with General Darryl Williams (R), commanding general of United States Army Europe and Africa, and Lieutenant General Antonio Aguto (L), commander of the Security Assistance Group of Ukraine (SAGU), during his visit to the headquarters of the U.S. Army Command in Europe and Africa in Wiesbaden, Germany, 14 December 2023. Credit: UKRAINE PRESIDENTIAL OFFICE HANDOUT/EPA-EFE/REX/Shutterstock)

**THU 23:00 BBC News (w172z2r6jc75bbn)**  
The latest five minute news bulletin from BBC World Service.

**THU 23:06 The Inquiry (w3ct4wdy)**  
[Repeat of broadcast at 08:06 today]

**THU 23:30 BBC News Summary (w172z2s0z2tvpml)**  
The latest two minute news summary from BBC World Service.

**THU 23:32 The Food Chain (w3ct4v7s)**  
[Repeat of broadcast at 04:32 today]

#### FRIDAY 15 DECEMBER 2023

**FRI 00:00 BBC News (w172z2r6jc75g2s)**  
The latest five minute news bulletin from BBC World Service.

**FRI 00:06 Unexpected Elements (w3ct4wkj)**  
[Repeat of broadcast at 10:06 on Thursday]

**FRI 01:00 BBC News (w172z2r6jc75ktx)**  
The latest five minute news bulletin from BBC World Service.

**FRI 01:06 Business Matters (w172zyry0nwh377)**  
Ukraine moves closer to joining the EU

At a summit in Brussels European leaders announced they will open accession talks with Kiev as well as Moldova, whilst Georgia has been awarded candidate status.

Ukraine's President Volodymyr Zelensky called the decision "a victory" for his country and the whole of Europe.

Vivienne Nunis discusses this and more business news from around the world with journalist Mehma Sarfraz, Co-founder of the Current PK and Alison Van Diggelen, Host of Fresh Dialogues based in Silicon Valley.

(Picture: Ukraine's President Volodymyr Zelensky (L) and U.S. Army General Christopher G. Cavoli (2-L), Commander of the US Forces for Europe and Supreme Commander of the NATO Forces in Europe (SACEUR), during Zelensky's visit to the headquarters of the U.S. Army Command in Europe and Africa in Wiesbaden, Germany, 14 December 2023. Credit: UKRAINE PRESIDENTIAL OFFICE HANDOUT/EPA-EFE/REX/Shutterstock)

**FRI 02:00 BBC News (w172z2r6jc75pl1)**  
The latest five minute news bulletin from BBC World Service.

**FRI 02:06 The Newsroom (w172z2tq9m6r077)**  
The world's Newsroom brings you global events as they happen

**FRI 02:30 BBC News Summary (w172z2s0z2tw1vf)**  
The latest two minute news summary from BBC World Service.

**FRI 02:32 Tech Life (w3ct4tqx)**  
[Repeat of broadcast at 20:32 on Tuesday]

**FRI 03:00 BBC News (w172z2r6jc75tb5)**  
The latest five minute news bulletin from BBC World Service.

**FRI 03:06 Outlook (w3ct4qpq)**  
[Repeat of broadcast at 12:06 on Thursday]

**FRI 03:50 Witness History (w3ct4xdy)**  
[Repeat of broadcast at 08:50 on Thursday]

**FRI 04:00 BBC News (w172z2r6jc75y29)**  
The latest five minute news bulletin from BBC World Service.

**FRI 04:06 The Newsroom (w172z2tq9m6r7qh)**  
The world's Newsroom brings you global events as they happen

**FRI 04:30 BBC News Summary (w172z2s0z2tw9bp)**  
The latest two minute news summary from BBC World Service.

**FRI 04:32 Heart and Soul (w3ct4pkj)**  
Queer and Christian in Kenya

What does it mean to be a gay Christian in a country where many Church leaders say your sexuality is wicked and even demonic? In 2013, a group of LGBT Christians in Kenya started meeting for Sunday worship, to practice their faith free from homophobia. The community grew and became Kenya's first openly queer-affirming Church - a sanctuary for diverse believers who feel excluded from mainstream religious spaces. But with calls for new laws to further curtail the rights of LGBT Kenyans, and increasingly open homophobia and anti-gay protests, this sanctuary may be in jeopardy. While some members consider returning to the closet, others are determined to protect their sacred space, come what may.

Presenter: Esther Ogola  
Producer: Mary Goodhart / Esther Ogola  
Series Producer: Rajeev Gupta  
Editor: Helen Grady  
Production Coordinator: Mica Nepomuceno

**FRI 05:00 BBC News (w172z2r6jc761tf)**  
The latest five minute news bulletin from BBC World Service.

**FRI 05:06 Newsday (w172z07bqhm0srz)**  
Israel tells US it needs months to defeat Hamas

The US National Security Advisor, Jake Sullivan, will meet Palestinian Authority President Mahmoud Abbas in Ramallah on Friday to discuss issues including stability in the occupied West Bank and the future governance of the Gaza Strip.

Hungary has blocked a multi-billion-dollar package of EU aid for Ukraine, just hours after an agreement was reached on starting formal talks on Kyiv's application to join the bloc.

And 250 years since the first Boston Tea Party.

**FRI 06:00 BBC News (w172z2r6jc765kk)**  
The latest five minute news bulletin from BBC World Service.

**FRI 06:06 Newsday (w172z07bqhm0xj3)**  
Hungary blocks EU funding for Ukraine

Hungary has blocked a multi-billion-dollar package of EU aid for Ukraine, just hours after an agreement was reached on starting formal talks on Kyiv's application to join the bloc.

And the US National Security Advisor, Jake Sullivan, will meet Palestinian Authority President Mahmoud Abbas in Ramallah on Friday to discuss issues including stability in the occupied West Bank and the future governance of the Gaza Strip.

**FRI 07:00 BBC News (w172z2r6jc7699p)**  
The latest five minute news bulletin from BBC World Service.

**FRI 07:06 Newsday (w172z07bqhm1187)**  
Hungary blocks EU financial aid to Ukraine

Hungary has blocked a multi-billion-dollar package of EU aid for Ukraine, just hours after an agreement was reached on starting formal talks on Kyiv's application to join the bloc.

Boris Nadezhdin has promised to take on Vladimir Putin in the presidential election to be held next March in Russia.

And Serbia's opposition parties unite to challenge President Aleksandar Vučić's decade-long grip on power in a snap general

election on December 17.

**FRI 08:00 BBC News (w172z2r6jc76f1t)**  
The latest five minute news bulletin from BBC World Service.

**FRI 08:06 HARDtalk (w3ct4nzg)**  
Izzeldin Abuelaish: Can Palestinians still believe in forgiveness and peace?

Zeinab Badawi speaks to the Palestinian doctor Izzeldin Abuelaish, whose three daughters and niece were killed in an Israeli tank strike on his home in the Gaza Strip in 2009. At the time, he said he felt no bitterness, and soon after he published his award-winning autobiography, I Shall not Hate. Now he has lost 22 more family members in the current bombardment. Is he still preaching his message of forgiveness and peace?

**FRI 08:30 BBC News Summary (w172z2s0z2twsb6)**  
The latest two minute news summary from BBC World Service.

**FRI 08:32 Business Daily (w3ct4mq2)**  
Business Daily meets: Niccolo Ricci

Niccolo Ricci is the CEO of Stefano Ricci, a luxury clothing brand whose suits are worn by the rich and powerful.

The firm was established more than 50 years ago by his parents, and now, Niccolo, and his brother Filippo, run the family business; supplying high-end luxury attire to clients all around the world. It's a brand that counts heads of state and business magnates among its patrons.

In an era of casual fashion, this is a rarefied world where discretion is the name of the game.

Presenter: Leanna Byrne

(Photo: Niccolo Ricci. Credit: Getty Images)

**FRI 08:50 Witness History (w3ct4x8d)**  
The funeral of Nelson Mandela

On 15 December 2013, South Africa held the funeral of Nelson Mandela who led the struggle in defeating apartheid and became the country's first black president.

His ancestral home in the village of Qunu in South Africa's Eastern Cape hosted 60 world leaders including four United States presidents and two UN secretary generals.

It was the first state funeral held by the country.

Nelson Mandela's eldest child Dr Makaziwe Mandela tells Josephine McDermott how it took eight years to plan and why it makes her proud to remember that day.

(Photo: Candles are lit under a portrait of Nelson Mandela at his funeral service. Credit: Odd Andersen/AFP via Getty Images)

**FRI 09:00 BBC News (w172z2r6jc76jsy)**  
The latest five minute news bulletin from BBC World Service.

**FRI 09:06 The Newsroom (w172z2tq9m6rvg4)**  
The world's Newsroom brings you global events as they happen

**FRI 09:30 BBC News Summary (w172z2s0z2twx2b)**  
The latest two minute news summary from BBC World Service.

**FRI 09:32 Science In Action (w3ct4sdc)**  
[Repeat of broadcast at 20:32 on Thursday]

**FRI 10:00 BBC News (w172z2r6jc76nk2)**  
The latest five minute news bulletin from BBC World Service.

**FRI 10:06 The Real Story (w3ct4qt7r)**  
Is time running out for Ukraine?

This week is crucial for the future of Ukraine. After promises of open-ended support, the US and the EU are now struggling to agree on new funding for the war effort. President Zelensky says Ukraine risks losing the war if new funding is not available.

So much so that President Zelensky is in Washington in an attempt to rescue a threatened US defence package to Kyiv worth billions of dollars. The aid has become embroiled in domestic, partisan politics.

Meanwhile in Europe, EU diplomats are locked in talks throughout the week in a bid to strike a deal on a financial package.

On the battleground, Ukraine's much-vaunted counter-offensive has stalled. Public support for Ukraine has declined sharply in the US since the invasion and a cost of living crisis is sweeping across Europe. The situation in the Middle East has only served to distract world leaders even more.

Meanwhile in Russia, President Putin appears to be biding time. The Russian economy is holding together despite sanctions and he's standing for re-election next year.

So why is Western support wavering? Is time running out for Ukraine? What is Putin's plan? And what might victory look like for either side?

Shaun Ley is joined by:

Samuel Charap, a senior political scientist at the RAND Corporation in Washington DC

Iuliia Osmolovska, a former Ukrainian diplomat who heads Globsec, a think-tank in Kyiv

Gustav Gressel from the European Council on Foreign Relations in Berlin

Also featuring:

Sergey Markov, former advisor to President Putin

Matt Rosendale, US Republican Congressman

Photo: US President Joe Biden hosts Ukrainian President Volodymyr Zelensky, Washington, USA - 12 Dec 2023 Credit: Photo by MICHAEL REYNOLDS/EPA-EFE

Produced by Pandita Lorenz and Ellen Otzen

**FRI 11:00 BBC News (w172z2r6jc76s96)**  
The latest five minute news bulletin from BBC World Service.

**FRI 11:06 The Newsroom (w172z2tq9m6s2yd)**  
The world's Newsroom brings you global events as they happen

**FRI 11:30 BBC News Summary (w172z2s0z2tx4kl)**  
The latest two minute news summary from BBC World Service.

**FRI 11:32 Heart and Soul (w3ct4pkj)**  
[Repeat of broadcast at 04:32 today]

**FRI 12:00 BBC News (w172z2r6jc76x1b)**  
The latest five minute news bulletin from BBC World Service.

**FRI 12:06 The Fifth Floor (w3ct4v10)**  
Ukraine: Ancient and modern

A stalled front line and diplomatic challenges - we look at the pressures on Ukraine with Vitaliy Shevchenko. Russia editor at BBC Monitoring. And Daria Taradai of BBC Ukrainian tells us about the return to Kyiv of hundreds of ancient Scythian treasures from Crimea, which were on loan to a European museum when Russia annexed Crimea in 2014. Their arrival in Kyiv follows almost 10 years of legal battles with Russia.

**Pilgrimage to Aksum**  
Thousands of pilgrims recently made their way to Aksum in Ethiopia, for a religious holiday taking place for the first time since the end of the civil war in the northern region of Tigray. Aksum is a holy site for Ethiopian Orthodox Christians who say it is home to the Ark of the Covenant. BBC Tigrinya's Girmay Gebru, who's based in the regional capital Mekelle, travelled to Aksum to talk to local people and visitors.

**HIV and sterilisation: a legal victory in Kenya**  
After a nine-year legal battle, four Kenyan women living with HIV have shared their stories with BBC Africa, of how they were sterilised without informed consent. They have now received compensation, and the recognition that the procedures they went through at a public hospital were carried out because of their HIV status. Health correspondent Dorcas Wangira tells us about meeting them, and the legal significance of this ruling.

**Lost and found: Indonesia's rare echidna**  
Pristine forests, crystal clear water, and an ancient species of animal that was believed to be extinct - BBC Indonesia's Famega Syavira travelled to northeastern Papua to report on the rediscovery of Attenborough's long-beaked echidna. Previously, the only evidence of this rare species of the egg-laying mammal was a dead specimen in a Dutch museum, collected 60 years ago.

(Photo: A copy of the Scythian Pectoral exhibited in the Treasury of the National Museum of History of Ukraine. Credit: Pavlo Bahmut/Getty Images)

**FRI 12:50 Witness History (w3ct4x8d)**  
[Repeat of broadcast at 08:50 today]

**FRI 13:00 BBC News (w172z2r6jc770sg)**  
The latest five minute news bulletin from BBC World Service.

**FRI 13:06 The Newsroom (w172z2tq9m6sbfm)**  
The world's Newsroom brings you global events as they happen

**FRI 13:30 BBC News Summary (w172z2s0z2txd1v)**  
The latest two minute news summary from BBC World Service.

**FRI 13:32 Science In Action (w3ct4sdc)**  
[Repeat of broadcast at 20:32 on Thursday]

**FRI 14:00 BBC News (w172z2r6jc774jl)**  
The latest five minute news bulletin from BBC World Service.

**FRI 14:06 Newshour (w172z09t1pf3ss0)**  
US expects Israel's war in Gaza 'to enter new phase'

President Biden's National Security Advisor, Jake Sullivan, says the United States expects Israel's war in Gaza to enter a new phase, focused on precise targeting of Hamas leaders.

Washington has strongly backed Israel's right to defend itself following the Hamas attacks in October, but mounting civilian casualties have caused growing tension between the close allies.

Also in the programme: we'll hear reaction from the frontline in Ukraine after a hold-up in military aid from both the European Union and the US; and a new train network in Mexico may be good news for tourists - but what's the environmental cost?

(Photo shows U.S. National Security Advisor Jake Sullivan speaking during a press briefing in Tel Aviv, Israel on 15 December 2023. Credit: Violeta Santos Moura/Reuters)

**FRI 15:00 BBC News (w172z2r6jc7788q)**  
The latest five minute news bulletin from BBC World Service.

**FRI 15:06 HARDtalk (w3ct4nzz)**  
[Repeat of broadcast at 08:06 today]

**FRI 15:30 BBC News Summary (w172z2s0z2txmk3)**  
The latest two minute news summary from BBC World Service.

**FRI 15:32 World Business Report (w3ct4z8r)**  
Hungary blocks EU aid for Ukraine at European Council meeting

Hungary's Prime Minister says he's prepared to stop any further attempts to send EU money to Ukraine. He vetoed a package of aid worth \$55 billion at the European Council summit in Brussels. But the European Council President Charles Michel remains hopeful a deal can be agreed when the council next meets in January 2024.

China's latest economic figures point to growth in retail sales and industrial output. But growth is slowing and the World Bank is warning that post-Covid recovery in the world's second-largest economy is 'fragile'. New York University Shanghai economics professor Han Lin gives us the full picture.

Our reporter Julia Paul finds out how people renting homes in the Armenian capital Yerevan are dealing with soaring prices.

(Picture: European Council President Charles Michel delivers remarks to journalists at the end of the first day of a European Union summit at the EU headquarters in Brussels. Credit: Kenzo Tribouillard/AFP via Getty Images)

**FRI 16:00 BBC News (w172z2r6jc77d0v)**  
The latest five minute news bulletin from BBC World Service.

**FRI 16:06 BBC OS (w172z0w62gx5fpg)**  
Hungary's Orban blocks aid for Ukraine

Hungary's prime minister, Viktor Orban, has said he's prepared to block future European Union aid to Ukraine, hours after he vetoed a multi-billion dollar package. We ask Hungarians what they think about the government's stance on Ukraine, and we

put audience questions to our correspondent who has been on the front line in Ukraine.

A BBC investigation has uncovered a Russian propaganda campaign involving thousands of fake accounts on TikTok spreading disinformation about the war in Ukraine. We speak to one of the journalists behind this investigation.

Fighting in Sudan's civil war has spread to a new area south of Khartoum, where hundreds of thousands of displaced people had taken refuge. We speak to a family that has sought refuge in the city of Port Sudan.

Presenter: Lukwesa Burak.

(Photo: Hungary's Prime Minister Viktor Orban speaks to the media as he arrives for a European Council in Brussels, Belgium, 14 December 2023. Credit: OLIVIER MATTHYS/EPA-EFE/REX/Shutterstock)

**FRI 17:00 BBC News (w172z2r6jc77hrz)**  
The latest five minute news bulletin from BBC World Service.

**FRI 17:06 BBC OS (w172z0w62gx5kfl)**  
Rockets intercepted in Jerusalem

Desperately needed humanitarian aid is to be allowed into Gaza though an Israeli crossing for the first time since the war began on October the seventh. Until now aid has only been able to enter Gaza through the Rafah border crossing from Egypt - which can only process a limited number of vehicles. As Israel's attacks on Gaza intensify, Jerusalem has been targeted by rockets for the first time since the 30 October. We get more from our correspondent there.

Female Iranian football fans were allowed into a stadium to watch a men's game this week. We talk to BBC Persian's sport journalist about what this means to the campaign to allow women into stadiums permanently.

After people in Japan were left dangling in mid-air after a rollercoaster came to an emergency stop, we hear from people with similar experiences.

Fighting in Sudan's civil war has spread to a new area south of Khartoum, where hundreds of thousands of displaced people had taken refuge. We speak to a family that has sought refuge in the city of Port Sudan.

Presenter: Lukwesa Burak.

(Photo: An Israeli Border Police asks a man to move as Palestinians face tight restrictions while holding Friday prayers, as the conflict between Israel and the Palestinian Islamist group Hamas continues, in Jerusalem, December 15, 2023. Credit: Latifeh Abdellatif/Reuters)

**FRI 18:00 BBC News (w172z2r6jc77mj3)**  
The latest five minute news bulletin from BBC World Service.

**FRI 18:06 The Fifth Floor (w3ct4v10)**  
[Repeat of broadcast at 12:06 today]

**FRI 18:50 Witness History (w3ct4x8d)**  
[Repeat of broadcast at 08:50 today]

**FRI 19:00 BBC News (w172z2r6jc77r87)**  
The latest five minute news bulletin from BBC World Service.

**FRI 19:06 The Newsroom (w172z2tq9m6t1xf)**  
The world's Newsroom brings you global events as they happen

**FRI 19:30 BBC News Summary (w172z2s0z2ty3jm)**  
The latest two minute news summary from BBC World Service.

**FRI 19:32 Sport Today (w3ct4srn)**  
2023/12/15 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

**FRI 20:00 BBC News (w172z2r6jc77w0c)**  
The latest five minute news bulletin from BBC World Service.

**FRI 20:06 BBC OS Conversations (w3ct5b2v)**  
Ukrainians and hope

Ukrainian President Volodymyr Zelensky knows that if he has any hope of victory in the war in his country he needs his international friends to keep backing him.

Although the size of that task was pretty clear this week, in both the United States and Europe, when he returned largely empty handed - for now, at least.

Russian President Vladimir Putin, on the other hand, says he remains up for the fight and talked confidently about ultimate success.

It is now approaching two years of war in Ukraine. Despite both leaders talking of victory, the fighting and losses continue and neither side has been making much progress on the battlefield.

In this edition, we hear conversations among Ukrainians. They talk about the emotional impact of the fighting but also how they are able to have plans despite the war.

Three residents of Kyiv share their experiences, including Iryna, on how the approach of a second Christmas at war has affected her wedding plans to her British fiancé.

"When first he proposed I said yeah, we're going to do it after the war, after we will win," says Iryna. "But now it's so long already and I feel like I just paused my life. So we decided to get married next year."

Host James Reynolds also hears from a woman whose brother was captured in the Ukrainian port city of Mariupol and brings together Ukrainians in the UK and Poland.

A Boffin Media production in partnership with the BBC OS team.

(Photo: Iryna and her fiancé Reese)

#### **FRI 20:30 BBC News Summary (w172z2s0z2ty78r)**

The latest two minute news summary from BBC World Service.

#### **FRI 20:32 CrowdScience (w3ct4y53)**

Are seeds alive?

Seeds are crucial to human existence – we eat them, we grow them and then we eat what they become. But what is a seed and how come it can sit there doing nothing for ages and then suddenly, when the conditions are right, burst into a plant?

That's what CrowdScience listener Anke has been wondering. She runs an aquaponic salad farm near Stockholm in Sweden and she germinates thousands of seeds every week. With a bit of moisture and light, seeds that have been dormant for months can become leafy greens in just a few weeks. So are seeds alive, are they on some kind of life support, or is something else going on?

Presenter Caroline Steel sets off to Sweden to meet Anke, before heading for the Nordgen seed bank near Malmö. There she discovers how seeds being stored for future generations are tested for viability, and wonders what's going on inside a seed that allows it to remain asleep before suddenly coming to life. How does a seed decide that the time is right?

We hear about one of the world's longest running science experiments - a real-life treasure hunt that takes place every twenty years in Michigan, USA. Plant biologists tramp through the snow looking for bottles of seeds that were buried nearly a century and a half ago. Once found they try to germinate them. What superpowers does a seed need to be able to last that long?

Caroline also meets the woman who tried to grow date seeds that had been discarded at the palace of Herod the Great 2000 years ago, and ended up with previously extinct trees that produce delicious fruit. Surely a seed can't have been alive for that long. Or can it?

Contributors:

Anke Johanna van Lenteren, Johanna Stadsodlingar, Sweden  
Johan Axelsson, Nordic Genetic Resource Center, Sweden  
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Presenter: Caroline Steel  
Producer: Ben Motley  
Editor: Richard Collings  
Production Coordinator: Jonathan Harris

(Photo: Hands holding spinach seeds. Credit: Vince Streano / Getty Images)

#### **FRI 21:00 BBC News (w172z2r6jc77zrh)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 21:06 Newshour (w172z09t1pf4mzx)**

Interviews, news and analysis of the day's global events.

#### **FRI 22:00 BBC News (w172z2r6jc783hm)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 22:06 The Newsroom (w172z2swvwm43qj)**

The world's Newsroom brings you global events as they happen

#### **FRI 22:20 Sports News (w172z1k9b2pl4xn)**

BBC Sport brings you all the latest stories and results from around the world.

#### **FRI 22:30 BBC News Summary (w172z2s0z2tygs0)**

The latest two minute news summary from BBC World Service.

#### **FRI 22:32 World Business Report (w3ct4zc0)**

First broadcast 15/12/2023 22:32 GMT

The latest business and finance news from around the world, on the BBC.

#### **FRI 23:00 BBC News (w172z2r6jc7877r)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 23:06 HARDtalk (w3ct4nzg)**

[Repeat of broadcast at 08:06 today]

#### **FRI 23:30 BBC News Summary (w172z2s0z2tylj4)**

The latest two minute news summary from BBC World Service.

#### **FRI 23:32 Heart and Soul (w3ct4pkj)**

[Repeat of broadcast at 04:32 today]