

**SATURDAY 10 DECEMBER 2022****SAT 00:00 BBC News (w172ykqfp3tf8c8)**

The latest five minute news bulletin from BBC World Service.

**SAT 00:06 The Real Story (w3ct33py)**

Are protests changing Iran?

The anti-government protests sweeping Iran are now in their third month, with no sign of ending, despite a bloody crackdown. Women have been at the forefront of the unrest that began in mid-September following the death in custody of Mahsa Amini, a 22-year-old woman who was detained by morality police for allegedly wearing her hijab, or headscarf, "improperly". The protests have spread to more than 150 cities and 140 universities in all 31 of the country's provinces and are seen as one of the most serious challenges to the Islamic Republic since the 1979 revolution. What are the protesters calling for? What is Iran's leadership planning to do to end the unrest - and what does this mean for Iran's relationship with its neighbours and with the West?

Ritula Shah is joined by a panel of experts:

Azadeh Moaveni - Iran expert, writer and associate professor of journalism at New York University.

Esfandyar Batmanghelidj - founder and CEO of the Bourse & Bazaar economic thinktank specialising in the Middle East and Iran.

Sanam Vakil - deputy director of Chatham House's Middle East North Africa programme in London.

Also featuring : Sadegh Zibakalam - writer and Professor of political science at the University of Tehran

Producers : Ellen Otzen and Rumella Dasgupta

(Photo: A woman in a street in Tehran, Iran; Credit: Majid Asgaripour/WANA via REUTERS)

**SAT 01:00 BBC News (w172ykqfp3tfd3d)**

The latest five minute news bulletin from BBC World Service.

**SAT 01:06 Business Matters (w172ydg6px7f90r)**

Apple allows staff to open up

Tech giant Apple has lifted a gagging policy on staff, meaning employees worldwide can speak out freely about their working conditions. It's the latest move by a major firm in response to lobbying from labour groups. Those who pushed for the move believe it will have major repercussions for other workers.

Also on Business Matters, one giant leap for a certain kind: we take a look at a Japanese investor's luxury mission to the moon, and what it means for space tourism.

(Picture: Staff inside an Apple store. Credit: Getty Images.)

**SAT 02:00 BBC News (w172ykqfp3tfhvj)**

The latest five minute news bulletin from BBC World Service.

**SAT 02:06 The Newsroom (w172y1822j5dygx)**

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

**SAT 02:30 BBC News Summary (w172ykr83vf3w3x)**

The latest two minute news summary from BBC World Service.

**SAT 02:32 Stumped (w3ct371m)**

Chanderpaul: Father and son

Alison Mitchell and Jim Maxwell are in Adelaide where Australia are taking on the West Indies in their second and final Test Match of the series. Tagenarine Chanderpaul made his Test debut for the West Indies last week scoring a maiden half century following in his father's footsteps. Sunil Gupta has spoken to his father, the legendary Shivanarine Chanderpaul on what it was like to witness this. They both share the same unique stance at the crease and Shivanarine tells us how that came about. Plus he also tells us about being inducted into the ICC Hall of Fame.

On the eve of Australia's Test Match against the West Indies, David Warner announced that he had withdrawn his application to have his lifetime captaincy ban removed. Jim Maxwell tells us his thoughts on the decision.

The team also discuss England's remarkable Test Match win against Pakistan in Rawalpindi and ask if England Captain Ben Stokes was brave or reckless with his declaration?

Photo: Tagenarine Chanderpaul of the West Indies is presented his cap by Brian Lara during day one of the First Test match between Australia and the West Indies at Optus Stadium on November 30, 2022 in Perth, Australia. (Photo by Quinn Rooney - CA/Cricket Australia via Getty Images)

**SAT 03:00 BBC News (w172ykqfp3tfmln)**

The latest five minute news bulletin from BBC World Service.

**SAT 03:06 The Fifth Floor (w3ct3807)**

The Arab world and the war in Ukraine

Hisham Yezza of BBC Monitoring has been observing the impact in the Middle East and North Africa of the war in Ukraine since the invasion nearly ten months ago. He tells us how the war is reported and discussed in the region, and how at a political level, traditional alliances with the West are shifting.

A sweet treat that could help the Amazon People from Brazil's Amazon region enjoy many dishes made with the local cupuaçu fruit, but they make less use of the seeds. These can be processed to make "cupulate", which has some similarities to chocolate. BBC Brasil's Monica Vasconcelos tells us how cupulate could help livelihoods and the environment.

Preserving Rai dancing

Essra Warda is an Algerian American dancer, working to preserve North African women-led dance traditions. Fethi Benaissa from BBC Arabic spoke to her about her love of these dances.

Life in Lulu

Lulu is a fictitious village in rural South Sudan, the setting for a popular radio drama created by the BBC's international charity Media Action. For 10 years, it's been tackling a wide range of issues experienced by ordinary people, from violence against women to peace-building. Production manager Zuhur Noah and scriptwriter Kululu Elgebana introduce us to some of the characters and stories.

What is 'pancasila'?

Indonesia's national ideology, 'pancasila', or 'five principles', has been in the news this week. Parliament approved a revised criminal code, which covers many areas of life - from sex and relationships, to insulting the president or criticising state ideology. Endang Nurdin of BBC Indonesian explains more about the meaning of pancasila.

(Photo: Sixth CICA Summit. Credit: Getty Images)

**SAT 03:50 Witness History (w3ct3bxxh)**

Creating Teletubbies

It's 1994 and the BBC is looking for a brand-new children's TV series.

TV producer Anne Wood decides she's going to make a show aimed at an audience that's never had programmes made for it before – two and three-year-olds.

She tells Melanie Stewart-Smith the fascinating story of how spacemen and technology inspired the creation of one of the most popular kids TV shows of all time, Teletubbies.

(Photo: Teletubbies. Credit: Ragdoll Productions for the BBC/Wildbrain)

**SAT 04:00 BBC News (w172ykqfp3tfrbs)**

The latest five minute news bulletin from BBC World Service.

**SAT 04:06 The Reith Lectures (w3ct4l3k)**

The four freedoms: Freedom of worship

Rowan Williams, the former Archbishop of Canterbury, gives the second of the 2022 Reith Lectures, discussing faith and liberty. In his lecture, he cites Lord Acton, the 19th Century thinker on freedom, who said that religious freedom is the basis of all political freedom. Williams addresses this with reference to South Africa and today's controversies around the abortion debate. He argues that for religious believers, freedom of worship must mean the freedom to express conviction, not just the freedom to meet.

The lecture and question-and-answer session is recorded at Swansea University in front of an audience.

Presenter: Anita Anand

(Photo: Former Archbishop of Canterbury Dr Rowan Williams addresses guests and media. Credit: Leon Neal/Getty Images)

**SAT 05:00 BBC News (w172ykqfp3tfw2x)**

The latest five minute news bulletin from BBC World Service.

**SAT 05:06 The Newsroom (w172y1822j5f6q9)**

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

**SAT 05:30 BBC News Summary (w172ykr83vf47c9)**

The latest two minute news summary from BBC World Service.

**SAT 05:32 Kalki Presents: My Indian Life (w3ct4kg3)**

Bollywood actress Kalki Koechlin presents tales of what it's like to be young and Indian in the 21st Century.

**SAT 05:50 More or Less (w3ct3k5p)**

Why is data so important in determining how we live?

Why are good data so important to policymakers around the world – whether they know it or not – and what happens when the data available is bad or even missing?

Presenter Tim Harford speaks to Georgina Sturge, a statistician at the House of Commons library in London and the author of Bad Data: How Governments, Politicians and the Rest of Us Get Misled by Numbers.

Presenter: Tim Harford

Producer: Jon Bithrey

(Photo: Data analyst using a dashboard with charts, metrics and KPI to analyse performance and create insight reports. Credit: Getty Images)

**SAT 06:00 BBC News (w172ykqfp3tfzv1)**

The latest five minute news bulletin from BBC World Service.

**SAT 06:06 Weekend (w172ykw5f411b68)**

Russia and Iran 'defence partnership'

The United States and Britain have warned that Russia and Iran are transforming their relationship into a fully-fledged defence partnership, with serious consequences for Ukraine and Iran's neighbours. An Iranian professor tells us it is nothing new.

Also in the programme: a Danish campaign aimed at curbing Greenland's growing Inuit population in the 1960s and 1970s, that affected 4,500 women; the upcoming trial of Wirecard's CEO, the scandal that's been named as the greatest fraud case in German history.

Joining Celia Hatton to discuss these and other stories are Emma Graham Harrison, Senior International Affairs Correspondent for The Guardian, and Hisham Hellyer, a scholar at Cambridge University, the Carnegie Endowment for International Peace and the Royal United Services Institute in London.

(Photo: A handout photo made available by the Iranian supreme leader office shows, Iranian supreme leader Ayatollah Ali Khamenei (C) greets Russian President Vladimir Putin (L) as Iranian President Ebrahim Raisi (R) looks on, during a meeting in Tehran, Iran, 19 July 2022. Credit: Iranian Supreme Leader Office/EPA-EFE/Rex/Shutterstock)

**SAT 07:00 BBC News (w172ykqfp3tg3l5)**

The latest five minute news bulletin from BBC World Service.

**SAT 07:06 Weekend (w172ykw5f411fyd)**

US claims Russia and Iran have military pact

The US national security spokesman John Kirby says Iran has become Russia's top military backer, supplying hundreds of drones that have been used to attack Ukraine's infrastructure. He said the US believed Iran was also considering supplying ballistic missiles, and may be discussing setting up a joint production line for drones inside Russia. In return, he said, Russia was offering Iran an unprecedented level of military and technical support.

Also in the programme; at the football World Cup Morocco takes on the hopes of Africa and the Arab world, bidding to be the first nation from the region to qualify for the semi-finals; and 90-year-old, Rita Moreno who despite her lengthy Hollywood career is not happy that the Latina community haven't made enough progress in the film industry.

Joining Celia Hatton to discuss these and other stories are Emma Graham Harrison, Senior International Affairs Correspondent for The Guardian, and Hisham Hellyer, a scholar at Cambridge University, the Carnegie Endowment for International Peace and the Royal United Services Institute in London.

(Photo: Russia's President Vladimir Putin (L), meets with Iran's Supreme Leader Ayatollah Ali Khamenei in Tehran, Iran, November 23, 2015. Credit: Reuters/Alexei)

World Service Listings for 10 – 16 December 2022		Page 2 of 16
<p>Druzhinin/Sputnik/Kremlin)</p> <p><b>SAT 08:00 BBC News (w172ykqfp3tg7b9)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 08:06 Weekend (w172ykwf411kpj)</b> Jimmy Lai sentenced for fraud</p> <p>The Hong Kong media tycoon and pro-democracy activist Jimmy Lai has been sentenced to five years and nine months in jail after being found guilty of fraud. Mr Lai founded the pro-democracy newspaper Apple Daily, which was shut down by the authorities in 2021.</p> <p>Also in the programme: supporters of Bangladesh's main opposition party have gathered in Dhaka to protest against the government of Prime Minister Sheikh Hasina and demand new elections; and we hear from director and co-writer of Germany's entry for the Best Foreign Language Oscar, Edward Berger, on his remake of 'All Quiet on the Western Front'.</p> <p>Joining Celia Hatton to discuss these and other stories are Emma Graham Harrison, Senior International Affairs Correspondent for The Guardian, and Hisham Hellyer, a scholar at Cambridge University, the Carnegie Endowment for International Peace and the Royal United Services Institute in London.</p> <p>(Photo: Media mogul Jimmy Lai, founder of Apple Daily, leaves the Court of Final Appeal by prison van in Hong Kong, China 9 February 2021. Credit: Reuters/Tyrene Siu/File Photo)</p> <p><b>SAT 08:30 BBC News Summary (w172ykr83vf4llp)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 08:32 The Conversation (w3ct37mw)</b> How we help women in hunger crises</p> <p>Global food insecurity is putting millions of people at risk, and during hunger crises women are more vulnerable to the effects of malnutrition.</p> <p>Rukia Yacoub is the World Food Programme's deputy regional director in East Africa. A nutritionist by trade, Rukia currently oversees the UN agency's efforts to provide food to people in crises in Somalia, Kenya and Ethiopia. In the past, Rukia worked to tackle malnutrition in Yemen, Ghana and Rwanda.</p> <p>Neha Mankani is a midwife from Pakistan. In 2015 she started the Mama Baby Fund, a charity providing women with emergency medical treatments and food supplies. She has been working in the poorest regions of Pakistan, including remote islands in the Arabian Sea and in the Sindh province, which was devastated by floods in the summer of 2022.</p> <p>Produced by Alice Gioia</p> <p>(Image: (L) Neha Mankani, courtesy of Neha Mankani. (R) Rukia Yacoub, credit WFP/Alessandro Abbonizio.)</p> <p><b>SAT 09:00 BBC News (w172ykqfp3tgc2f)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 09:06 BBC OS Conversations (w3ct418h)</b> Haiti</p> <p>Haiti is the poorest nation in the Western Hemisphere and, in the last 15 years, the Caribbean nation has had outbreaks of cholera, a devastating earthquake and continual political upheaval.</p> <p>Last year, its president was assassinated - a crime for which no one has yet been put on trial - and since then violence in Haiti has escalated.</p> <p>According to human rights groups, armed gangs now control at least 60% of the capital, Port au Prince. In October, the UN reported 200 killings and 100 kidnappings. There's also evidence that gangs are increasingly using rape as a weapon.</p> <p>Host James Reynolds hears from Haitians who are dealing with the threats and dangers affecting them, their friends and families. We speak to one woman whose daughter deliberately changes the time of her route to work daily to lessen the chance of being kidnapped as well as a man who has contributed to three ransoms to ensure the safety of family members.</p> <p>Kerby, who lives in Cap-Haitien, has received several threats from armed gangs. "They said, if you cannot give us money every month we'll kidnap you, or your daughter, or your wife."</p> <p>Haitians living in the US and the UK also discuss the difficulties of being abroad when their home country, friends</p>	<p>and families are suffering.</p> <p>(Photo: A woman breastfeeds her baby as people displaced by gang war violence in Cite Soleil rest on the streets of Delmas neighbourhood after leaving Hugo Chaves square in Port-au-Prince, Haiti November 19, 2022. Credit: Ralph Tedy Erol/Reuters)</p> <p><b>SAT 09:30 BBC News Summary (w172ykr83vf4qbt)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 09:32 Pick of the World (w3ct41xs)</b> Which food would you give special UN status?</p> <p>Which food item would you give special UN status? We meet our Global Youth Food Champion, Samuel Ikua - and popstar Billie Eilish on fame and imposter syndrome.</p> <p><b>SAT 09:50 Over to You (w3ct35f7)</b> Carrying out an audit of Business Matters</p> <p>We are doing a bit of an audit of Business Matters. How does the programme go about explaining complex business stories in a way that people can understand? Listeners tell us if they think the mix of topics and invited guests is always on the money. Plus, we need your help with your questions for the controller of BBC World Service English.</p> <p>Presenter: Rajan Datar Producer: Howard Shannon. A Whistledown production for BBC World Service</p> <p><b>SAT 10:00 BBC News (w172ykqfp3tggtk)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 10:06 Sportshour (w3ct3638)</b> Crunch time in Qatar</p> <p>As the World Cup reaches to final stages we'll review Friday's quarterfinals and preview Saturday's matches, including a visit to Casablanca ahead of the biggest day in Moroccan football as they take on Portugal</p> <p>Photo: Morocco players celebrate after the team's victory in the penalty shoot out during the FIFA World Cup Qatar 2022 Round of 16 match between Morocco and Spain (Credit: Julian Finney/Getty Images)</p> <p><b>SAT 11:00 BBC News (w172ykqfp3tglkp)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 11:06 The Newsroom (w172yl822j5fy62)</b> The world's Newsroom brings you global events as they happen</p> <p><b>SAT 11:30 BBC News Summary (w172ykr83vf4yv2)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 11:32 Unspun World with John Simpson (w3ct42mq)</b> Will Russia ever be the same again?</p> <p>This week John Simpson explores how life in Russia has changed since its invasion of Ukraine earlier in the year with Russia editor, Steve Rosenberg; how much longer the US might be willing to support Ukraine with North America editor, Sarah Smith; one of the most tumultuous years ever in UK politics with political editor, Chris Mason, and the devastating reality of life in Afghanistan under the rule of the Taliban with Yogita Limaye, BBC News South Asia correspondent.</p> <p>Unspun World provides a look behind the headlines of the world's most important stories with the BBC's World Affairs editor, John Simpson, and the BBC's unrivalled range of experts across the globe.</p> <p>(Photo: Russians at a bus stop in Moscow. Credit: MAXIM SHIPENKOV/EPA-EFE/REX/Shutterstock)</p> <p><b>SAT 12:00 BBC News (w172ykqfp3tgg9t)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 12:06 The Documentary (w3ct4lyy)</b> Living in space</p> <p>A long-held human ambition may soon become reality - human settlements on another planet, or in a floating space station. People could fulfil their hopes and dreams among the stars.</p> <p>David Baker has been discovering what those settlements in</p>	<p>space will be like, who will be there and how they will be organised. He has been hearing from the people shaping human life out in the universe, about their extraordinary plans and ambitions.</p> <p>Presenter: David Baker Producer: Jonathan Brunert</p> <p>(Image: Life on Mars illustration. Credit: Getty Images)</p> <p><b>SAT 13:00 BBC News (w172ykqfp3tgv1y)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 13:06 Newshour (w172yfcbs9lkd07)</b> Tens of thousands protest in Bangladesh</p> <p>Tens of thousands of opposition supporters in Bangladesh have gathered in the capital Dhaka for a rally demanding that the government step down. Security in the city had been tight, and many people are staying off the streets, fearing violence.</p> <p>Also in the programme: we hear a vivid description of the city of Bakhmut in Ukraine which many say is reminiscent of battlefields in the First World War; and Morocco could make history by being the first African and Arab team to reach the World Cup semi-finals.</p> <p>(Credit: A supporter of the opposition Bangladesh Nationalist Party (BNP) holds a national flag as he shouts slogans during a mass rally at the Glapbogh field in Dhaka. Credit: MONIRUL ALAM/EPA-EFE).</p> <p><b>SAT 14:00 BBC News (w172ykqfp3tgyt2)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 14:06 Sportsworld (w172ykg2wv0hmtv)</b> Live sport from around the world with news, interviews and analysis.</p> <p><b>SAT 18:00 BBC News (w172ykqfp3thfsl)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 18:06 The Newsroom (w172yl822j5gsdz)</b> The world's Newsroom brings you global events as they happen</p> <p><b>SAT 18:30 BBC News Summary (w172ykr83vf5t1z)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 18:32 Kalki Presents: My Indian Life (w3ct4kg3)</b> [Repeat of broadcast at 05:32 today]</p> <p><b>SAT 18:50 Sporting Witness (w3ct36gk)</b> Ruud Krol: The World Cup meets Total Football</p> <p>Dutch football start Ruud Krol tells Matthew Kenyon about the Netherlands' campaign at the 1974 World Cup. The team, coached by Rinus Michels and featuring the great Johan Crujff, stunned the football world with the quality of their performance, as they brought the 'Total Football' philosophy which Michels had instituted at Ajax to the global stage. They are still remembered as one of the greatest ever international teams.</p> <p>(Photo: German Gerd Muller beats Ruud Krol (12) and Arie Haan to score in the World Cup final on 7th July 1974 in Munich. Credit: Getty Images)</p> <p><b>SAT 19:00 BBC News (w172ykqfp3thkjq)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 19:06 World Questions (w3ct3hnw)</b> Rome</p> <p>Georgia Meloni has been sworn in as Italy's first female Prime Minister and leader of a new right-wing government. She has committed to reducing immigration, helping families in difficulty with high energy prices and supporting Ukraine with arms and aid.</p> <p>Jonny Dymond, with a public audience and panel of leading politicians debate big issues facing this European democracy, including trust in politics, war in Europe and LGBTQ rights.</p> <p>On the panel: Nicola Procaccini MEP: Head of Energy and Environment for Fratelli D'Italia Christian Di Sanzo MP: PD Deputy for North and Central America Senator Alessandra Maiorino: Deputy Leader of Movimento 5</p>
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Stelle in the Senate  
Paola Tommasi: Economic Advisor to Forza Italia and  
Columnist for Il Tempo

Producer: Charlie Taylor

BBC World Questions is a series of international events created in partnership with the British Council, which connects the UK and the world through arts, culture, education and the English language.

(Photo: Italy's newly appointed Prime Minister, Giorgia Meloni, speaks to the media at the Quirinale Palace in Rome; Credit: Reuters/Guglielmo Mangiapane)

**SAT 20:00 BBC News (w172ykqfp3thp8v)**  
The latest five minute news bulletin from BBC World Service.

**SAT 20:06 The Arts Hour (w3ct3915)**  
Director Maria Schrader on her film *She Said*

Nikki Bedi is joined by Iranian-Scottish film-maker Hassan Nazer, whose movie *Winners* is the UK entry for the 2023 Oscars International Feature Film Award. Shot in Iran, the film follows two children who find an Oscar statuette and launch a mission to reunite the lost treasure with its rightful owner.

Along with cultural critic Tara Judah, they hear from director Maria Schrader on her film, *She Said*, which is based on the book by New York Times' reporters Megan Twohey and Jodi Kantor and charts their investigation into allegations against Hollywood producer Harvey Weinstein.

Also, from Hollywood star and funny man Will Ferrell about his Christmas musical movie, *Spirited*, which turns the tables on the Scrooge story.

The Australian director Baz Luhrmann on using the creative process as a means of escape.

Author Mariana Enriquez on choosing the horror genre to portray the Argentina of her 1980s childhood.

Irish actor Paul Mescal on his moving performance in the film, *Aftersun*.

And music from the Japanese tonkori player, Oki.

Producer: Paul Waters

(Photo: Maria Schrader. Credit: Jesse Grant/Getty)

**SAT 21:00 BBC News (w172ykqfp3tht0z)**  
The latest five minute news bulletin from BBC World Service.

**SAT 21:06 Newshour (w172yfcbs9llbz8)**  
Morocco beat Portugal at World Cup

Morocco have become the first African or Arab nation ever to reach the semi-finals of a football World Cup. In a tournament full of surprises, they've written their own bit of history by beating Portugal one-nil. We go to Casablanca.

Also in the programme: as the Nobel peace prizes are awarded in Norway, we hear from a colleague of the Belarusian winner; and Chinese artist Ai Weiwei's invisible ink protest.

(Photo: Supporters of Morocco celebrate their team winning the World Cup 2022 quarter final match between Morocco and Portugal, in Milan, Italy, 10 December 2022. Credit: Matteo Corner /EPA-EFE/REX/Shutterstock)

**SAT 22:00 BBC News (w172ykqfp3thxs3)**  
The latest five minute news bulletin from BBC World Service.

**SAT 22:06 The Newsroom (w172yrx671j6xtp)**  
The world's Newsroom brings you global events as they happen

**SAT 22:20 Sports News (w172yghg0ct50td)**  
BBC Sport brings you all the latest stories and results from around the world.

**SAT 22:30 BBC News Summary (w172ykr83vf691h)**  
The latest two minute news summary from BBC World Service.

**SAT 22:32 The Cultural Frontline (w3ct37sg)**  
How can art help reconnect us to the missing?

This week we discuss how art can help reconnect us to those who are missing or have been disappeared.

It's estimated that around 20,000 people go missing in Poland every year. Artist Zuzanna Pieczyńska explores the impact of this in her work, with her paintings often focusing on the lives of the people left behind. She tells Tina Daheley more about her project 'Each year in Poland a small town disappears.'

Thousands of people were disappeared during the dictatorships in countries across South America. A new play, called *REWIND*, by physical theatre company Ephemeral Ensemble, has been inspired by testimonies of South American political refugees who fled the dictatorships, as well as the more recent stories from young migrants caught up in violent repression following demonstrations in the region. Performers Andrés Velásquez and Eyglo Belafonte along with director Ramon Ayres talk to reporter Constanza Hola about the show.

Loss and disappearance have been topics across much of Hisham Matar's work. The Pulitzer prize winning writer has been inspired by his own life experiences, after his father was kidnapped in Egypt by Colonel Gaddafi's regime, taken back to Libya and never seen again. Hisham shares a piece of art that changed him, a film from a director who has influenced his thinking as an author, the French filmmaker Robert Bresson, and in particular Bresson's 1959 film 'Pickpocket'.

In the 1994 Rwandan genocide, an estimated 800,000 ethnic Tutsis and moderate Hutus were killed by dominant Hutu forces in 100 days. For her piece, *The Book of Life*, Rwandan playwright and director Odile Gakire Katese, known as Kiki Katese, tells the story of that conflict and the remembrance of those who died, through the letters of ordinary Rwandans.

(Picture: Julia by Zuzanna Pieczyńska. Credit: Zuzanna Pieczyńska)

**SAT 23:00 BBC News (w172ykqfp3tj1j7)**  
The latest five minute news bulletin from BBC World Service.

**SAT 23:06 Music Life (w3ct30kx)**  
When the heart beats, the music happens, with Seckou Keita, Julie Fowlis, Anandi Bhattacharya and Richard Bona

Seckou Keita, Julie Fowlis, Anandi Bhattacharya and Richard Bona discuss why words are easy, story-telling being a family tradition, feeling free with the melody, and finding the confidence to experiment.

Seckou Keita was born in Ziguinchor in Senegal and is descended from the Griots – a family of musicians and storytellers whose tradition is passed down from one generation to the next.

Cameroonian Richard Bona is one of the world's most acclaimed bass players, and has played with the likes of Oumou Sangaré, Buena Vista Social Club and Sting.

Julie Fowlis is a world-renowned folk singer from Scotland. She has been deeply influenced by her early upbringing in the Outer Hebrides, and sings in the Gaelic language, as well as enjoying exploring many other traditions.

Anandi Bhattacharya is originally from Kolkata, India, and started singing at the age of three. Despite being rooted in the Indian classical tradition from her musical family, she embraces both traditional and contemporary vocal styles.

## SUNDAY 11 DECEMBER 2022

**SUN 00:00 BBC News (w172ykqfp3tj58c)**  
The latest five minute news bulletin from BBC World Service.

**SUN 00:06 BBC OS Conversations (w3ct418h)**  
[Repeat of broadcast at 09:06 on Saturday]

**SUN 00:30 BBC News Summary (w172ykr83vf6jjr)**  
The latest two minute news summary from BBC World Service.

**SUN 00:32 Kalki Presents: My Indian Life (w3ct4kg3)**  
[Repeat of broadcast at 05:32 on Saturday]

**SUN 00:50 More or Less (w3ct3k5p)**  
[Repeat of broadcast at 05:50 on Saturday]

**SUN 01:00 BBC News (w172ykqfp3tj90h)**  
The latest five minute news bulletin from BBC World Service.

**SUN 01:06 The Science Hour (w3ct3b06)**  
Ancient warmth in Greenland

Two-million-year-old molecular fossils reveal flourishing woodlands and widespread animals in Greenland's pre-Ice-Age past, and give hints to the Arctic's future under global warming. We hear from a molecular palaeontologist and a climate modeller.

DNA also reveals the enduring genetic influence of our extinct Denisovan cousins on disease immunity in modern Island Southeast Asians.

And the art and science of 3D-printing violins

If your home is drafty, filling in holes and cracks can help tackle rising energy bills, and lower your carbon footprint. But is there a limit to how airtight we should make our homes? That's what CrowdScience listeners Jeff and Angie wondered when weatherproofing their doors and sealing up cracks for the winter. Once every last gap is blocked, will enough air get in for them to breathe properly? How would they know if they've gone too far?

With Covid-19 making us more aware than ever of the importance of good ventilation, CrowdScience investigates how to make your home cosy and energy-efficient without sacrificing fresh air in the process. And we find out how, in hotter climates, you can carefully tap into your drafts, to reduce energy-intensive air conditioning.

With contributions from Kimble Smith, Professor Nicola Carslaw, Dr Iain Walker, Marion Baeli and Dr Yashkumar Shukla.

(Image credit: Beth Zaiken/bethzaiken.com)

**SUN 02:00 BBC News (w172ykqfp3tjdrn)**  
The latest five minute news bulletin from BBC World Service.

**SUN 02:06 The Newsroom (w172y1822j5hrd0)**  
The world's Newsroom brings you global events as they happen

**SUN 02:30 BBC News Summary (w172ykr83vf6s10)**  
The latest two minute news summary from BBC World Service.

**SUN 02:32 Health Check (w3ct32xf)**  
How words can save lives

Claudia meets Professor Elizabeth Stokoe author of 'Crisis Talk' whose research shows when preventing a suicide, that words really do matter and can save lives during a crisis. Through analysing real time recordings of actual conversations between people in crisis and police negotiators, new findings highlight what can work and what doesn't.

(Picture: Vector illustration of two profiles of women with speech bubbles inside their heads. Photo credit: JakeOlimb/Getty Images.)

Presenter: Claudia Hammond  
Producer: Erika Wright

**SUN 03:00 BBC News (w172ykqfp3tjjhr)**  
The latest five minute news bulletin from BBC World Service.

**SUN 03:06 The Documentary (w3ct4llyy)**  
[Repeat of broadcast at 12:06 on Saturday]

**SUN 04:00 BBC News (w172ykqfp3tjn7w)**  
The latest five minute news bulletin from BBC World Service.

**SUN 04:06 From Our Own Correspondent (w3ct32bc)**  
The Rwandans living in limbo

Pascale Harter introduces the human stories behind the headlines from Niger, Colombia, Iran and Slovenia.

What happened to those accused of crimes against humanity during Rwanda's genocide? Michela Wrong visits a safe house in Niamey, Niger, where eight elderly Rwandan men are living in limbo after they were prosecuted for their alleged role in the country's war crimes. Four were acquitted, and four have now served out their prison sentences, but their future poses questions about the course of international justice.

Colombia recently elected its first-ever leftist President, Gustavo Petro. He offered bold promises to make the country's tax system fairer, reduce its stark income inequality and make the economy greener. Rohan Montgomery asked some of the motorcyclists riding the steep hills and winding paths of the city of Medellín whether the new government has the right roadmap to reform.

Iran has been convulsed by months of protest over mandatory dress codes, but how much wider support do the street demonstrators really have? Iranian-American author Azadeh Moaveni has seen many waves of revolt swell up before, with little result – but believes this year's events are of a different order.

And Nick Hunt takes a walk through Slovenia's forests, passing through many a former World War One battlefield along the way. The legacy of that conflict collided with the new threats of climate change this summer as wildfires detonated long-buried munitions, causing terrifying blazes.

Producer: Polly Hope  
Production Co-Ordinator: Iona Hammond  
Editor: Richard Fenton-Smith

**SUN 04:30 BBC News Summary (w172ykr83vf70j8)**  
The latest two minute news summary from BBC World Service.

**SUN 04:32 The Cultural Frontline (w3ct37sg)**  
[Repeat of broadcast at 22:32 on Saturday]

**SUN 05:00 BBC News (w172ykqfp3tjs00)**  
The latest five minute news bulletin from BBC World Service.

**SUN 05:06 The Newsroom (w172yl822j5j3md)**  
The world's Newsroom brings you global events as they happen

**SUN 05:30 BBC News Summary (w172ykr83vf748d)**  
The latest two minute news summary from BBC World Service.

**SUN 05:32 The Documentary (w3ct4lrg)**  
India: Our trains, electric

When you talk about the railways in India it is hard not to use massive numbers; it has over 7500 stations, over 70,000 kilometres of track, it employs over 1.3 million people and carries a staggering 20 million passengers every day.

The railways are incredibly important to life in India and have connected the country since the first line opened in 1863. But now, nearly 160 years later, the Indian rail network is about to take the next step in its existence - going electric. In 2017, national rail body Indian Railways announced that 100% of India's rail network would be electrified by the end of 2023 and then achieve net zero carbon emissions by 2030.

With just over a year to go, Bhakti Jain speaks to academics, experts and passengers about the process of electrification and hears how its completion will impact on the economy, transport, the environment and India's consumption of fossil fuels.

Producer: Kurt Brookes  
Executive producer: Ashley Byrne  
A Made in Manchester production for BBC World Service

(Photo: Workers are seen during an electric train run at Baramulla Railway Station, Jammu and Kashmir. Shailesh Pathak, CRS Railway, inspects the electric train on 26 March 2022. Credit: Nasir Kachroo/Nur photo/Getty Images)

**SUN 06:00 BBC News (w172ykqfp3tjwr4)**  
The latest five minute news bulletin from BBC World Service.

**SUN 06:06 Weekend (w172ykwf41473c)**  
Indonesia overhauls its criminal code

Indonesia's parliament has approved a new criminal code that bans anyone in the country from having extramarital sex and restricts political freedoms. Sex outside marriage will carry a jail term of up to a year under the new laws, which take effect in three years.

Also in the programme: Democrats in America keep control of the Senate; and women choosing to be ordained by the Catholic church.

Joining Celia Hatton to discuss these and other stories are Shahida Tulaganova, a British-Uzbek journalist and filmmaker based in London, and Marc David Baer, a professor of international history at the London School of Economics.

(Photo: A protester holds a banner and a flower during a protest against the draft of a new criminal law, outside the parliament building in Jakarta, Indonesia. CREDIT: EPA/MAST IRHAM)

**SUN 07:00 BBC News (w172ykqfp3tk0h8)**  
The latest five minute news bulletin from BBC World Service.

**SUN 07:06 Weekend (w172ykwf414bhv)**  
Morocco reach World Cup semi-finals

Morocco have become the first African and Arab nation ever to reach the semi-finals of a football World Cup. They'll play France next Wednesday who have beaten England by two goals to one. In a tournament full of surprises, Morocco managed to make history by beating Portugal one-nil.

Also in the programme: the tiny Belgian town with a big lottery win; and NATO's secretary general warns of the threat to Europe.

Joining Celia Hatton to discuss these and other stories are Shahida Tulaganova, a British-Uzbek journalist and filmmaker based in London, and Marc David Baer, a professor of international history at the London School of Economics.

(Photo: Morocco fans in London after the Morocco v Portugal match. CREDIT: REUTERS/Henry Nicholls)

**SUN 08:00 BBC News (w172ykqfp3tk47d)**  
The latest five minute news bulletin from BBC World Service.

**SUN 08:06 Weekend (w172ykwf414ghm)**  
Doctors successfully treat a teenager with leukaemia

An experimental treatment for leukaemia has left an English teenager free of the blood cancer after all conventional interventions failed to prevent a relapse of her disease. The thirteen-year-old is the first person globally to receive genetically modified donor cells that can hunt down and kill cancer with damaging healthy cells. The pioneering technique at a London hospital then enabled the girl to receive a bone marrow transplant to restore her depleted immune system. Doctors hope that further developments will lead to treatments for other forms of leukaemia.

Also in the programme: power shortages in Ukraine; and NASA's Orion heads back to Earth.

Joining Celia Hatton to discuss these and other stories are Shahida Tulaganova, a British-Uzbek journalist and filmmaker based in London, and Marc David Baer, a professor of international history at the London School of Economics.

(Photo: Leukaemia blood cells. Credit: Science Photo Library)

**SUN 08:30 BBC News Summary (w172ykr83vf7hhs)**  
The latest two minute news summary from BBC World Service.

**SUN 08:32 The Food Chain (w3ct38nw)**  
Why does Africa import a lot of food?

2022 has seen record food prices. Many African countries have been badly hit because they import their staples – wheat, rice and oil. A lack of infrastructure and capacity in some countries means that food grown in Africa is often not processed into packaged food products, instead those items are imported from outside of the continent.

In this programme we speak to two women who run food businesses in Zambia and Ghana, to talk about the impact of rising food costs, and whether this year's food crisis could be the impetus for Africa to be more self-sufficient. Ruth Alexander is joined by Monica Musonda, founder and CEO of Java Foods, which manufactures fortified noodles and cereal products in Zambia and Yvette Ansah who owns two restaurants, Café Kwae and Kwae Terrace in Accra, Ghana, BBC West Africa business reporter Nkechi Ogbonna joins from Nigeria, Africa's biggest economy by gross domestic product to talk about the impact of rising food costs there.

Presented by Ruth Alexander.

Produced by Beatrice Pickup.

(Image: aerial view of a large ship transporting rice, unloading cargo onto smaller ships. Credit: Getty/BBC)

**SUN 09:00 BBC News (w172ykqfp3tk7zj)**  
The latest five minute news bulletin from BBC World Service.

**SUN 09:06 From Our Own Correspondent (w3ct32bc)**  
[Repeat of broadcast at 04:06 today]

**SUN 09:30 BBC News Summary (w172ykr83vf7m7x)**  
The latest two minute news summary from BBC World Service.

**SUN 09:32 Outlook (w3ct41fh)**  
England's secret cowboy town

Laredo is a functioning Wild West town built in southern England, lived in part-time by a dedicated community. At the weekends, residents adopt full period dress, and leave the 21st Century behind. It has been around for decades, but recently a devastating fire threatened to destroy Laredo for good.

Presenter: Emily Webb

(Photo: Laredo in Kent, England. Credit: BBC)

**SUN 10:00 BBC News (w172ykqfp3tkcqn)**  
The latest five minute news bulletin from BBC World Service.

**SUN 10:06 Trending (w3ct4lnh)**  
SafeMoon and the chaotic world of crypto

SafeMoon promised its investors a trip to the moon but instead cost some their life savings. We speak to the YouTuber Coffeezilla who investigated the problematic token, the people who lost out and we assess the safety and future of crypto coins.

Presenter: Joe Tidy  
Producers: Jerry Sullivan and Beth Godwin  
Editor: Flora Carmichael

**SUN 10:30 BBC News Summary (w172ykr83vf7r01)**  
The latest two minute news summary from BBC World Service.

**SUN 10:32 Heart and Soul (w3ct4249)**  
Poland's Jews: Caught between, never home

For centuries, Poland was home to millions of Jews in the heart of Europe. Decades after the horrors of the Holocaust, questions of lost identity have arisen. What is it like to be a third-generation Jew in present-day Poland? We meet Malgorzata, who was born into a Jewish family in the late 1980s. She says being a Jew in Poland today means people think you are neither truly Jewish, nor Polish. She is just one of millions of third-generation Jewish people across Central Europe attempting to make sense of an identity that cannot be changed, reversed or erased.

Producer: Bartosz Panek  
Presenter: John Beauchamp  
A Free Range and Overcoat Media Co-production for BBC World Service

(Photo: Malgorzata, with kind permission)

**SUN 11:00 BBC News (w172ykqfp3tkhgs)**  
The latest five minute news bulletin from BBC World Service.

**SUN 11:06 The Newsroom (w172yl822j5jv35)**  
The world's Newsroom brings you global events as they happen

**SUN 11:30 BBC News Summary (w172ykr83vf7vr5)**  
The latest two minute news summary from BBC World Service.

**SUN 11:32 The Compass (w3ct4lps)**  
How To Be A Former President

How to be a former president: Part two

Giles Edwards investigates the many opportunities offered by globalisation, and speaks to some of the former presidents and prime ministers who have run, or worked for, international organisations from civil society to the United Nations.

(Photo: Anders Fogh Rasmussen at the Copenhagen Democracy Summit, June 2022. Credit: Ritzau Scanpix/Philip Davali/Reuters)

**SUN 12:00 BBC News (w172ykqfp3tkm6x)**  
The latest five minute news bulletin from BBC World Service.

**SUN 12:06 World Questions (w3ct3hnw)**  
[Repeat of broadcast at 19:06 on Saturday]

**SUN 13:00 BBC News (w172ykqfp3tkqz1)**  
The latest five minute news bulletin from BBC World Service.

**SUN 13:06 Newshour (w172yfcbs9n8xb)**  
Odesa and Melitopol under attack in Ukraine

Southern Ukraine has been hit by strikes from both sides in the war, with Russia launching drones at targets in Odesa and Kyiv fighting back in Melitopol. Since October, Moscow has been

targeting Ukraine's energy infrastructure.

Also in the programme: a revolutionary therapy clears girl's incurable cancer; and South Korean citizens are about to become officially slightly younger, as the country standardises its method of calculating age.

(Photo: A vendor waits for customers in a small store, lit with candles during a power outage, after attacks in Odesa).

**SUN 14:00 BBC News (w172ykqfp3tkvq5)**  
The latest five minute news bulletin from BBC World Service.

**SUN 14:06 The Forum (w3ct38td)**  
Margaret Sanger: Mother of birth control

Activist Margaret Sanger is responsible for one of the most significant medical and social changes of the 20th Century – giving women the means to control the size of their families.

The former nurse, who'd witnessed the aftermath of backstreet abortions and her own mother's premature death after 18 pregnancies, founded the birth control movement in the United States and helped to spread it internationally. She was also instrumental in developing the pill, now one of the world's most popular contraceptives.

Her campaign was enormously controversial – she faced fierce opposition from the Catholic Church and was arrested several times for breaking strict anti-contraception laws. And her legacy is contested today – her association with the then powerful eugenics movement has thrown doubt on her motives and drawn allegations of racism by some. Even Planned Parenthood, the organisation she helped create, has distanced itself from her.

Bridget Kendall discusses her inspiration and battle against the powerful status quo with Ellen Chesler, a biographer of Margaret Sanger from New York; Elaine Tyler May, professor of American studies and history at the University of Minnesota and author of *America and the Pill: A History of Promise, Peril and Liberation*; Sanjam Ahluwalia, professor of history and women's and gender studies at Northern Arizona University and author of *Reproductive Restraints: Birth Control in India, 1877-1947*; and Dr Caroline Rusterholz, a historian of populations, medicine and sexuality at the University of Cambridge.

Producer: Simon Tulett

(Photo: Margaret Sanger circa 1915. Credit: Hulton Archive/Getty Images)

**SUN 14:50 Over to You (w3ct35t7)**  
[Repeat of broadcast at 09:50 on Saturday]

**SUN 15:00 BBC News (w172ykqfp3tkzg9)**  
The latest five minute news bulletin from BBC World Service.

**SUN 15:06 Sportsworld (w172ykgk2wv0lnh2)**  
Live sport from around the world with news, interviews and analysis.

**SUN 19:00 BBC News (w172ykqfp3tlgft)**  
The latest five minute news bulletin from BBC World Service.

**SUN 19:06 The Newsroom (w172yl822j5kt26)**  
The world's Newsroom brings you global events as they happen

**SUN 19:30 BBC News Summary (w172ykr83vf8tq6)**  
The latest two minute news summary from BBC World Service.

**SUN 19:32 Unspun World with John Simpson (w3ct42mq)**  
[Repeat of broadcast at 11:32 on Saturday]

**SUN 20:00 BBC News (w172ykqfp3tll5y)**  
The latest five minute news bulletin from BBC World Service.

**SUN 20:06 The History Hour (w3ct39m7)**  
Referendums and Teletubbies

Max Pearson presents a compilation of this week's Witness History programmes from the BBC World Service.

We go to Quebec in 1995 when voters went to the polls to decide whether the province should declare independence from Canada.

Tim Marshall, the author of *The Power of Geography* and presenter of the World Service podcast, *The Compass*, explores other referendums which have taken place in recent history.

Plus the creation of children's TV series *Teletubbies* in 1994. It became a global hit.

(Photo: Voters gather in the streets of Barcelona. Credit: Marco Panzetti/NurPhoto Getty Images)

Contributors:  
Jean-François Lisée and Stéphane Dion - on the Quebec referendum  
Paul Kelly - Australian political correspondent  
Praveen Jain - Indian photojournalist  
Patrícia da Silva - Jean Charles de Menezes' cousin  
Anne Wood- creator of *Teletubbies*

**SUN 21:00 BBC News (w172ykqfp3tlpy2)**  
The latest five minute news bulletin from BBC World Service.

**SUN 21:06 Newshour (w172yfcbs9lp7wc)**  
Lockerbie bombing suspect in US custody

The US has confirmed it has taken custody of the Libyan man suspected of making the bomb that destroyed an American plane over the Scottish town of Lockerbie in 1988. It gave no information on how Abu Agila Masud entered US custody. 270 people died when the Pan Am flight from London to New York was blown up.

Also in the programme: NASA's uncrewed Orion capsule has successfully splashed down in the Pacific, opening the way for the return of astronauts to the moon; and the British teenager with leukaemia who seems to have been cured, using a revolutionary new type of cell therapy.

(Photo: Rescue personnel carry a body away from the wreckage of Pan Am Flight 103, in a farmer's field east of Lockerbie, Scotland in this December 1988 file photo. Credit: Reuters/Greg Bos/Files)

**SUN 22:00 BBC News (w172ykqfp3tlp6)**  
The latest five minute news bulletin from BBC World Service.

**SUN 22:06 The Newsroom (w172yrx671j9tqs)**  
The world's Newsroom brings you global events as they happen

**SUN 22:20 Sports News (w172yghg0ct7xqh)**  
BBC Sport brings you all the latest stories and results from around the world.

**SUN 22:30 BBC News Summary (w172ykr83vf95yl)**  
The latest two minute news summary from BBC World Service.

**SUN 22:32 Outlook (w3ct41fh)**  
[Repeat of broadcast at 09:32 today]

**SUN 23:00 BBC News (w172ykqfp3tlyfh)**  
The latest five minute news bulletin from BBC World Service.

**SUN 23:06 Trending (w3ct4lnh)**  
[Repeat of broadcast at 10:06 today]

**SUN 23:30 BBC News Summary (w172ykr83vf99pq)**  
The latest two minute news summary from BBC World Service.

**SUN 23:32 Pick of the World (w3ct41xs)**  
[Repeat of broadcast at 09:32 on Saturday]

**SUN 23:50 Over to You (w3ct35t7)**  
[Repeat of broadcast at 09:50 on Saturday]

## MONDAY 12 DECEMBER 2022

**MON 00:00 BBC News (w172ykqg1d3qxfm)**  
The latest five minute news bulletin from BBC World Service.

**MON 00:06 From Our Own Correspondent (w3ct32bc)**  
[Repeat of broadcast at 04:06 on Sunday]

**MON 00:30 BBC News Summary (w172ykr8h3qf8q0)**  
The latest two minute news summary from BBC World Service.

**MON 00:32 Heart and Soul (w3ct4249)**  
[Repeat of broadcast at 10:32 on Sunday]

**MON 01:00 BBC News (w172ykqg1d3r15r)**  
The latest five minute news bulletin from BBC World Service.

**MON 01:06 The Newsroom (w172yl82fsgqct4)**  
The world's Newsroom brings you global events as they happen

**MON 01:30 BBC News Summary (w172ykr8h3qfdg4)**  
The latest two minute news summary from BBC World Service.

**MON 01:32 Discovery (w3ct30cd)**  
Wild inside: The Harbour Porpoise

Prof Ben Garrod and Dr Jess French get under the skin of the harbour porpoise to unravel this enigmatic and shy aquatic mammal's extraordinary survival skills - from it's ability to dive for long periods to accurately echolocating its fast moving prey. They join Rob Deaville, project leader for the Cetacean's Stranding Investigations Programme at ZSL (Zoological Society of London) to open up and examine what makes this animal unique in terms of its anatomy, behaviour and evolutionary history.

**MON 02:00 BBC News (w172ykqg1d3r4xw)**  
The latest five minute news bulletin from BBC World Service.

**MON 02:06 The Newsroom (w172yl82fsgqhk8)**  
The world's Newsroom brings you global events as they happen

**MON 02:30 BBC News Summary (w172ykr8h3qfj68)**  
The latest two minute news summary from BBC World Service.

**MON 02:32 The Climate Question (w3ct3kjr)**  
How much does biodiversity matter to climate change?

The ecosystems of the land and ocean absorb around half our planet warming emissions. But these are being destroyed by human activity. At the same time, climate change is a primary driver of the destruction of these habitats and biodiversity loss. If biodiversity is our strongest natural defence against climate change (as it's been described), what's stopping us from doing more to protect it?

As the big global biodiversity conference (COP15) gets underway in Montreal, Canada, presenters Sophie Eastaugh and Luke Jones are joined by a panel, including Victoria Gill, BBC science correspondent at COP15 in Montreal; Felipe Zapata, a Colombian botanist at UCLA; Marcela Fernandez from conservation NGO Cumbres Blancas; Akanksha Khatri, Head of Nature Action Agenda at the World Economic Forum

Email us: [theclimatquestion@bbc.com](mailto:theclimatquestion@bbc.com).

Researcher: Frances Read  
Producer: Georgia Coan  
Editor: Bridget Harney

**MON 03:00 BBC News (w172ykqg1d3r8p0)**  
The latest five minute news bulletin from BBC World Service.

**MON 03:06 Tech Tent (w3ct4khv)**  
ChatGPT: The AI chatbot everyone is talking to

How do you feel about talking to a computer? New AI chatbot, ChatGPT, passed one million users in just a week but what are its potential uses and limitations. We also hear from tennis icon, Billie Jean King on why she thinks tech will change the way tennis is played. Plus, with Apple extending its self-service repair to a number of European Countries, how do you feel about repairing your iPhone at home? We hear from someone who gave it a go.

(Photo: A man using a laptop talks to a chat bot. Credit: Blue Planet Studio/Getty Images)

**MON 03:30 BBC News Summary (w172ykr8h3qfmyd)**  
The latest two minute news summary from BBC World Service.

**MON 03:32 Pick of the World (w3ct41xs)**  
[Repeat of broadcast at 09:32 on Saturday]

**MON 03:50 Over to You (w3ct35t7)**  
[Repeat of broadcast at 09:50 on Saturday]

**MON 04:00 BBC News (w172ykqg1d3rdf4)**

The latest five minute news bulletin from BBC World Service.

**MON 04:06 The Newsroom (w172y182fsgqr1j)**

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

**MON 04:30 BBC News Summary (w172ykr8h3qfrpj)**

The latest two minute news summary from BBC World Service.

**MON 04:32 The Conversation (w3ct37mx)**

100 Women: Can a frank conversation about sex be a revolutionary act?

Today we are celebrating the 10th anniversary of BBC 100 Women - an initiative that highlights the work of 100 inspiring and influential women from around the world.

Australian activist Chanel Contos started a movement dubbed 'Teach Us Consent'. Thanks to her campaign, consent education will be mandatory in all Australian schools from kindergarten until year 10. It all started in 2021, when Chanel posted a story on Instagram, asking her followers if they or someone they knew had been sexually assaulted at school. Within 24 hours more than 200 people had replied "yes". Now she is educating people about non-consensual condom removal, or stealthing, as well as campaigning to criminalise the act.

Ghanaian writer Nana Darkoa Sekyiamah is the author of *The Sex Lives of African Women*, which has been described as "an astonishing report on the quest for sexual liberation". She is the co-founder of *Adventures from the Bedrooms of African Women*, a website, podcast and festival that publishes and creates content that tells stories of African women's experiences around sex, sexualities, and pleasure.

Produced by Alice Gioia

(Image: (L) Nana Darkoa Sekyiamah, credit Charles Lawson. (R) Chanel Contos, credit Side-Note.)

**MON 05:00 BBC News (w172ykqg1d3rj58)**

The latest five minute news bulletin from BBC World Service.

**MON 05:06 Newsday (w172yf8wtd2s4tp)**

Emergency crews working to ease power shortages in Ukraine

In Ukraine, emergency crews are working to ease power shortages in many parts of the country after the latest wave of Russian attacks, particularly in the Black Sea port of Odessa. We'll have the latest details, and also more information on Ukraine's counter-offensive in the south-east.

In Peru, supporters of the ousted left-wing president Pedro Castillo have clashed with security forces.

Also in the programme, there have also been protests in Bangladesh, where, over the weekend, thousands of people called on the prime minister to resign.

**MON 06:00 BBC News (w172ykqg1d3rmxd)**

The latest five minute news bulletin from BBC World Service.

**MON 06:06 Newsday (w172yf8wtd2s8kt)**

Half a million people left without electricity in Ukraine

Half a million people are left without electricity as Russian missiles target Ukraine's infrastructure. The war continues on various fronts with missiles and artillery playing a significant part. We are live in Ukraine for the latest.

Staying with Russia's war in Ukraine, what fate awaits Russians who have refused to fight in this war? We bring you testimonies of violence and incarceration.

We report on the political turmoil in Peru where protests continue to swell on the streets as angry demonstrators clash with the police and call for new elections.

**MON 07:00 BBC News (w172ykqg1d3rrnj)**

The latest five minute news bulletin from BBC World Service.

**MON 07:06 Newsday (w172yf8wtd2sd9y)**

Ukraine experiences power shortages following Russian missile attacks

In Ukraine, emergency crews are working to ease power shortages in many parts of the country following Russian missile attacks on infrastructure, particularly in the Black Sea port of Odessa. We'll have the latest from Ukraine.

A Libyan intelligence official who was accused of making a bomb which destroyed an American flight over Scotland 34 years ago, has been taken into United States custody.

And after three weeks in space, NASA's Orion Space Capsule successfully splashed back down to Earth, we'll get the latest.

**MON 08:00 BBC News (w172ykqg1d3rwdn)**

The latest five minute news bulletin from BBC World Service.

**MON 08:06 100 Women (w3ct4m3j)**

In conversation with Billie Eilish

At the age of 20, Billie Eilish is the first singer born in the 21st Century to hit number one in the Billboard charts and win an Oscar. She has more than 200 million followers across her social media. We exclusively join her for the last night of her world tour to talk fame, imposter syndrome and identity for BBC 100 Women.

**MON 08:30 BBC News Summary (w172ykr8h3qg7p1)**

The latest two minute news summary from BBC World Service.

**MON 08:32 Business Daily (w3ct30y7)**

Money jobs: Making money on the tables

Ever thought about quitting your job and playing poker for a living? Well, today we find out what it's really like making your living on the tables. This is the latest series from *Business Daily*, all about high value, high transaction jobs you might read about, see on the TV or glamorised in films.

In episode one, Leanna Byrne interviews professional poker player Dara O'Kearney. Dara explains what a day in the life of a professional poker player is really like and warns, if you're playing poker professionally, every player goes through what's known as upswings and downswings.

We also switch sides and find out what it's like working as a croupier in a casino. Stefano Melani works for Centro Formazione Croupier, which trains croupiers for casinos across Italy, somewhere with one of the world's largest gambling sectors. He lets us in on the glamorous and not-so-glamorous side of the casinos.

David Schwartz, an academic and gambling historian based in Las Vegas, Nevada, gives us the macro perspective on the gambling industry, detailing the rise of gambling towns across the world.

Presenter/producer: Leanna Byrne

(Photo: Poker table; Credit: Getty images)

**MON 08:50 Witness History (w3ct3bzs)**

Mongolian revolution

In 1990, a peaceful revolution brought democracy to Mongolia after almost 70 years of Soviet backed rule.

University lecturer Ganbold Davaadorj was one of the lead figures in bringing together the Mongolian people. He went on to be the first deputy prime minister of Mongolia.

He shares his story with Matt Pintus.

(Photo: Protestors occupy Sukhbaatar Square in 1990. Credit: Getty Images)

**MON 09:00 BBC News (w172ykqg1d3s04s)**

The latest five minute news bulletin from BBC World Service.

**MON 09:06 The Newsroom (w172y182fsgbrs5)**

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

**MON 09:30 BBC News Summary (w172ykr8h3qgef5)**

The latest two minute news summary from BBC World Service.

**MON 09:32 The Climate Question (w3ct3kjz)**

[Repeat of broadcast at 02:32 today]

**MON 10:00 BBC News (w172ykqg1d3s3wx)**

The latest five minute news bulletin from BBC World Service.

**MON 10:06 The Cultural Frontline (w3ct37sg)**

[Repeat of broadcast at 22:32 on Saturday]

**MON 10:30 BBC News Summary (w172ykr8h3qgh59)**

The latest two minute news summary from BBC World Service.

**MON 10:32 Kalki Presents: My Indian Life (w3ct4kg3)**

[Repeat of broadcast at 05:32 on Saturday]

**MON 10:50 More or Less (w3ct3k5p)**

[Repeat of broadcast at 05:50 on Saturday]

**MON 11:00 BBC News (w172ykqg1d3s7n1)**

The latest five minute news bulletin from BBC World Service.

**MON 11:06 The Newsroom (w172y182fsgri8f)**

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

**MON 11:30 BBC News Summary (w172ykr8h3qglxf)**

The latest two minute news summary from BBC World Service.

**MON 11:32 The Conversation (w3ct37mx)**

[Repeat of broadcast at 04:32 today]

**MON 12:00 BBC News (w172ykqg1d3scd5)**

The latest five minute news bulletin from BBC World Service.

**MON 12:06 Outlook (w3ct34p9)**

The Palestinian tapes, part 1

Mo'min Swaitat unearthed a vast trove of forgotten Palestinian music. Not only did it hold long-lost recordings of his own Bedouin family, but also a mysterious yellow cassette of protest songs set to an electro-disco beat. Mo'min became captivated by the yellow tape. It would open up a world of underground music from one of the most turbulent times in Palestinian history, the first intifada. But could he track down who'd made it?

Emma Stibbon is an English artist who makes art in extreme environments. She's braved sub-zero temperatures in the Arctic and Antarctica, and for a while, she was in Hawaii living on the edge of Kilauea, one of the world's most active volcanos. (This interview was first broadcast in 2017)

Presenter: Mobeen Azhar

Get in touch: outlook@bbc.com

(Photo: Mo'min Swaitat and the Palestinian tape archive including the intifada cassette. Credit: Picture of Mo'min Swaitat by Alice Austin; the Palestinian tapes by Mo'min Swaitat)

**MON 12:50 Witness History (w3ct3bzs)**

[Repeat of broadcast at 08:50 today]

**MON 13:00 BBC News (w172ykqg1d3sh49)**

The latest five minute news bulletin from BBC World Service.

**MON 13:06 The Newsroom (w172y182fsgtrtp)**

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

**MON 13:30 BBC News Summary (w172ykr8h3qgvdp)**

The latest two minute news summary from BBC World Service.

**MON 13:32 CrowdScience (w3ct3j7x)**

Could my house run out of air?

If your home is drafty, filling in holes and cracks can help tackle rising energy bills, and lower your carbon footprint. But is there a limit to how airtight we should make our homes? That's what CrowdScience listeners Jeff and Angie wondered when weatherproofing their doors and sealing up cracks for the winter. Once every last gap is blocked, will enough air get in for them to breathe properly? How would they know if they've gone too far?

With Covid-19 making us more aware than ever of the importance of good ventilation, CrowdScience investigates how to make your home cosy and energy-efficient without sacrificing fresh air in the process. And we find out how, in hotter climates, you can carefully tap into your drafts, to reduce energy-intensive air conditioning.

With contributions from Kimble Smith, Professor Nicola Carslaw, Dr Iain Walker, Marion Baeli and Dr Yashkumar Shukla.

Presented by Marnie Chesterton

Produced by Cathy Edwards for the BBC World Service

**MON 14:00 BBC News (w172ykqg1d3slwf)**

The latest five minute news bulletin from BBC World Service.

**MON 14:06 Newshour (w172yfcc4kww4tq)**

The Russian soldiers refusing to fight

Family members of Russian soldiers detained for saying they would no longer take part in the invasion of Ukraine have told the BBC of the abuse their loved ones have been subjected to. We speak to an organisation helping deserters escape the Kremlin's reach.

Also in the program: the Iranian regime carries out a second public execution linked to the ongoing anti-government protests; and has a US lab made a key breakthrough in nuclear fusion?

(Photo: Mobilised Russian troops have been locked in cellars and basements for refusing to fight in Ukraine. Credit: The Insider)

**MON 15:00 BBC News (w172ykqg1d3sqmk)**

The latest five minute news bulletin from BBC World Service.

**MON 15:06 100 Women (w3ct4m3j)**

[Repeat of broadcast at 08:06 today]

**MON 15:30 BBC News Summary (w172ykr8h3qh2wy)**

The latest two minute news summary from BBC World Service.

**MON 15:32 World Business Report (w3ct3g0c)**

Corruption scandal grips European Parliament

A Greek MEP has been arrested as part of a growing investigation into bribery within the European Parliament, which has also resulted in more than \$600,000 being seized.

Also on the programme, lengthy power cuts are bringing parts of Zimbabwe to a standstill. But elsewhere: have US scientists unlocked the secret to cleaner, greener nuclear energy?

(Picture: The European Parliament building in Strasbourg, France. Credit: Getty Images.)

**MON 16:00 BBC News (w172ykqg1d3svcp)**

The latest five minute news bulletin from BBC World Service.

**MON 16:06 BBC OS (w172yg1xxwg77qr)**

Ukraine war: Russian soldiers

The BBC's Russia Editor Steve Rosenberg has heard accounts from Russian servicemen and their relatives which suggest some soldiers refusing to fight in Ukraine have been locked up in cellars and subjected to violence. Steve talks about their stories and explains what it has been like to report from Moscow during the Ukraine war.

Our BBC Persian colleague tells us about a second execution in Iran linked to the anti-government protests.

With the rise of K-pop music globally, there has also been a growing phenomenon of hyper realistic avatars in girl bands. Our reporter tells us about this new, digital trend, idolising singers who are all presented as perfect, slim, ageless.

(Photo: A newly-mobilised Russian reservist practices shooting during a training on a range in Donetsk Region, Russian-controlled Ukraine, October 4, 2022. Credit: Alexander Ermochenko/Reuters)

**MON 17:00 BBC News (w172ykqg1d3sz3t)**

The latest five minute news bulletin from BBC World Service.

**MON 17:06 BBC OS (w172yg1xxwg7cgw)**

Mongolia protests

We explain why demonstrators in Mongolia have been protesting in temperatures well below freezing for over a week now.

The BBC's Russia Editor Steve Rosenberg has heard accounts from Russian servicemen and their relatives which suggest some soldiers refusing to fight in Ukraine have been locked up in cellars and subjected to violence. Steve talks about their stories and explains what it has been like to report from Moscow during the Ukraine war.

We speak to our BBC Persian colleague about a second execution linked to the anti-government protests in Iran.

With the rise of K-pop music globally, there has also been a growing phenomenon of hyper realistic avatars in girl bands. Our reporter tells us about this new, digital trend, idolising singers who are all presented as perfect, slim, ageless.

(Photo: Police officers stand guard outside the Government Palace as protesters take part in a demonstration against soaring inflation and government corruption on Sukhbaatar Square, in Ulaanbaatar, Mongolia December 5, 2022. Credit: B. Rentsendorj/Reuters)

**MON 18:00 BBC News (w172ykqg1d3t2vy)**

The latest five minute news bulletin from BBC World Service.

**MON 18:06 Outlook (w3ct34p9)**

[Repeat of broadcast at 12:06 today]

**MON 18:50 Witness History (w3ct3bzs)**

[Repeat of broadcast at 08:50 today]

**MON 19:00 BBC News (w172ykqg1d3t6m2)**

The latest five minute news bulletin from BBC World Service.

**MON 19:06 The Newsroom (w172y182fsgsk7g)**

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

**MON 19:30 BBC News Summary (w172ykr8h3qhkmg)**

The latest two minute news summary from BBC World Service.

**MON 19:32 Sport Today (w3ct417n)**

2022/12/12 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 (w172ykqg1d3tbc6)**

The latest five minute news bulletin from BBC World Service.

**MON 20:06 The Climate Question (w3ct3kjz)**

[Repeat of broadcast at 02:32 today]

**MON 20:30 BBC News Summary (w172ykr8h3qhpml)**

The latest two minute news summary from BBC World Service.

**MON 20:32 Discovery (w3ct30cf)**

Wild Inside: The Alpaca

Alpacas may have been domesticated for thousands of years but their native lands are the steep hostile mountains of South America where they continue to thrive far from the modern luxuries of animal husbandry. Prof Ben Garrod and Dr Jess French delve deep inside this hardy herbivore to unravel the anatomy and physiology that's secured the success of this extraordinary member of the camelid family of camels, llamas and vicuñas.

**MON 21:00 BBC News (w172ykqg1d3tg3b)**

The latest five minute news bulletin from BBC World Service.

**MON 21:06 Newshour (w172yfcc4kwx01m)**

Iran executes second protester

Long: Iran executes second prodemocracy demonstrator as Germany slams the execution; also in the programme top EU officials accused of receiving bribes to push the agendas of a Gulf state; Russians growing disillusion with the Ukraine war and are we close to harnessing the power of stars?

(Photo: Executed Iranian protester, Majidreza Rahnava. Credit: IHRIGHTS)

**MON 22:00 BBC News (w172ykqg1d3tkvg)**

The latest five minute news bulletin from BBC World Service.

**MON 22:06 The Newsroom (w172yxr6l9tjxx1)**

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

**MON 22:20 Sports News (w172yghgn3gnwr)**

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

**MON 22:30 BBC News Summary (w172ykr8h3qhy3v)**

The latest two minute news summary from BBC World Service.

**MON 22:32 World Business Report (w3ct3g2m)**

Energy demand surges in Europe as cold snap hits

As temperatures fall below zero in several European countries, gas reserves across the continent are put to the test. We discuss the repercussions cold weather is having in prices in Europe, the UK and the US.

Also in the programme, we look at how the tech war between China and the US over advanced semiconductors is rapidly heating up.

(Picture: Snow in London. Picture credit: Reuters)

**MON 23:00 BBC News (w172ykqg1d3tpll)**

The latest five minute news bulletin from BBC World Service.

**MON 23:06 100 Women (w3ct4m3j)**

[Repeat of broadcast at 08:06 today]

**MON 23:30 BBC News Summary (w172ykr8h3qj1vz)**

The latest two minute news summary from BBC World Service.

**MON 23:32 The Conversation (w3ct37mx)**

[Repeat of broadcast at 04:32 today]

**TUESDAY 13 DECEMBER 2022**

**TUE 00:00 BBC News (w172ykqg1d3ttbq)**

The latest five minute news bulletin from BBC World Service.

**TUE 00:06 The History Hour (w3ct39m7)**

[Repeat of broadcast at 20:06 on Sunday]

**TUE 01:00 BBC News (w172ykqg1d3ty2v)**

The latest five minute news bulletin from BBC World Service.

**TUE 01:06 Business Matters (w172ydg725jtv06)**

FTX founder Sam Bankman-Fried arrested in Bahamas

The arrest comes after the US filed criminal charges against former CEO of disgraced crypto firm. We hear the latest about the collapse of the \$32bn company.

As temperatures fall in the US and Europe, we take a look at the growing demand of natural gas and the impact it's having on prices.

Also in the programme, we explore the ecosystems of innovation that brought us transistors, the devices that changed everything.

And the tech war between China and the US over advanced semiconductors is rapidly heating up with new players joining the row. Join us to find out they are.

Sam Fenwick discusses these and more business news throughout the programme with two guests on opposite sides of the world: Peter Morici, an economist at the University of Maryland, and Sushma Ramachandran, an independent business journalist in New Delhi.

(Picture: The logo of FTX is seen at the entrance of the FTX Arena in Miami, Florida, US. Picture credit: Reuters)

**TUE 02:00 BBC News (w172ykqg1d3v1tz)**

The latest five minute news bulletin from BBC World Service.

**TUE 02:06 The Newsroom (w172y182fsgtdgc)**

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

**TUE 02:30 BBC News Summary (w172ykr8h3qjf3c)**

The latest two minute news summary from BBC World Service.

**TUE 02:32 The Documentary (w3ct4lrh)**

Asylums of Japan: Makiko's story

Journalist Makiko Segawa who had a terrifying experience when she was sent to a psychiatric hospital when she was a young woman meets other people who have been caught up in the country's controversial mental health system. She hears harrowing stories before challenging the authorities about what's being done to change methods and Japanese attitudes towards mental health.

Presenter: Makiko Segawa  
Producer: Ashley Byrne and Makiko Segawa  
A Made in Manchester production for BBC World Service

(Photo: Tokio Ito, finally enjoying his freedom after 45 years in a Japanese mental health facility. Credit: Makiko Segawa)

#### **TUE 03:00 BBC News (w172ykqg1d3v5l3)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 03:06 Outlook (w3ct34p9)**

[Repeat of broadcast at 12:06 on Monday]

#### **TUE 03:50 Witness History (w3ct3bzs)**

[Repeat of broadcast at 08:50 on Monday]

#### **TUE 04:00 BBC News (w172ykqg1d3v9b7)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 04:06 The Newsroom (w172yl82fsgtmym)**

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

#### **TUE 04:30 BBC News Summary (w172ykr8h3qjnlm)**

The latest two minute news summary from BBC World Service.

#### **TUE 04:32 In the Studio (w3ct3jjz)**

Lang Lang

Sean Rafferty spends time in the company of the pianist Lang Lang, one of the most famous classical musicians in the world today. He has had a hugely creative, successful and glamorous career, performing all over the world and collaborating with musicians from Herbie Hancock to Sir Simon Rattle.

But during his private time, Lang Lang has spent 20 years of deep study and personal reflection on the music of Johann Sebastian Bach. Bach's Goldberg Variations is the musical peak that many major pianists have attempted to scale over the course of time.

Sean meets Lang Lang at the piano, where he plays and talks about his personal journey towards performing and recording J.S. Bach's Goldberg Variations – one of the most mysterious, complex and rewarding pieces in all music. Along the way, Sean meets Lang Lang's wife, Gina Alice, as they perform an informal duet, and Lang Lang opens up about the very personal struggles he faced as a child prodigy, and talks about how the power of music now inspires his work and commitment to young people and music education.

Image: Lang Lang (Credit: Simon Webb)

#### **TUE 05:00 BBC News (w172ykqg1d3vf2c)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 05:06 Newsday (w172yf8wtd2w1qs)**

Former Libyan intelligence official appears in court over Lockerbie bombing

A former Libyan intelligence official has appeared in court in the US, accused of making the bomb that blew up a PanAm aeroplane over Scotland in 1988. The father of a young man killed in the attack will join us.

The founder of the collapsed cryptocurrency exchange, FTX, has been arrested in the Bahamas, after US prosecutors filed criminal charges. We'll get the latest.

In Peru, two more protesters have died as violent demonstrations over the ousting of the former president show no sign of dying down.

#### **TUE 06:00 BBC News (w172ykqg1d3vjth)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 06:06 Newsday (w172yf8wtd2w5gx)**

US court charges a Libyan man with Lockerbie bombing

A US court charges a Libyan man with making the bomb that killed an entire planeload of people over Lockerbie in nineteen

eighty eight. We'll hear from a victim's father.

The founder of the collapsed cryptocurrency exchange, FTX, has been arrested in the Bahamas.

Estonia's foreign minister talks to us about international support for Ukraine.

#### **TUE 07:00 BBC News (w172ykqg1d3vnm)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 07:06 Newsday (w172yf8wtd2w971)**

Founder of collapsed cryptocurrency exchange FTX is arrested in Bahamas

The founder of the collapsed cryptocurrency exchange, FTX, has been arrested in the Bahamas, after US prosecutors filed criminal charges. We'll get the latest.

Also in the programme, the FIFA World Cup semifinals get underway later today.

Four Members of the European Parliament have been arrested in what has been branded the biggest corruption scandal the EU parliament has ever seen. We'll hear more on this.

#### **TUE 08:00 BBC News (w172ykqg1d3vs9r)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 08:06 People Fixing The World (w3ct3j3f)**

Board games fixing the world

Can playing board games help us fix real-world problems?

All around the world, people play board games for fun. But in recent years, a new generation of designers have been creating games with a social purpose - to enable understanding about complex problems like climate change, inequality and deforestation, and collaboratively design strategies to solve them.

We look at how a group of researchers from Switzerland are creating custom-made board games that help resolve environmental disputes, led by Professor Claude Garcia from ETH Zurich and Bern University of Applied Sciences. Local farmers, businesspeople and government officials play their own roles in the games – which have helped them find compromises that protect the natural world in Indonesia and the Congo Basin.

And in London, we also get a first-look at Daybreak, a new cooperative board game designed by Matteo Menapace and Matt Leacock, who designed Pandemic - a game that helped people understand the spread of coronavirus. In Daybreak, they've used the best scientific advice to design a game where you work together to try to stop climate change in its tracks.

Presenter: Myra Anubi  
Reporters: Lizzy McNeill and Zoe Gelber  
Producer: William Kremer  
Series producer: Tom Colls  
Sound mix: Hal Haines  
Editor: Penny Murphy

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

Image: The Daybreak board game

#### **TUE 08:30 BBC News Summary (w172ykr8h3qk414)**

The latest two minute news summary from BBC World Service.

#### **TUE 08:32 Business Daily (w3ct3178)**

Money jobs: Cashing or crashing with crypto

Crypto is a tricky business. Chances are, you know someone or know of someone who's made a bit of money with crypto, and that you're not too far removed from someone who's lost money too.

This is episode two in the latest series from Business Daily, all about high value, high transaction jobs you might read about, see on the TV or glamorised in films.

In this episode, Leanna Byrne asks author, speaker and content creator Layah Heilpern what it's really like investing in Bitcoin. Abhishek Sachdev, chief executive of Vedanta Hedging, a traditional trader tells us why he's ring-fenced some of his personal investment fund for crypto trading and Matt Brighton, a property investor, tells us he learned some hard lessons trading crypto.

We also find out that trading isn't the only way to get involved in the crypto market. Solicitor Charlotte Hill, works at the

international law firm Pennington Manches Cooper has been taking on a ballooning caseload coming out of the crypto space.

Presenter/producer: Leanna Byrne  
Image: Bitcoin logo; Credit: Getty

#### **TUE 08:50 Witness History (w3ct3c49)**

The Nazi occupation of Jersey

Shopkeeper Louisa Gould risked her life to hide a Russian prisoner who had escaped from the Nazis during the German occupation of Jersey in World War Two.

She was later betrayed and died in Ravensbrück, a concentration camp, in 1945.

Vicky Carter speaks to her great-niece Jenny Lecoat.

(Photo: Louisa Gould. Credit: Courtesy of the Channel Islands Occupation Society (Jersey) Collection held at Jersey Archive)

#### **TUE 09:00 BBC News (w172ykqg1d3vx1w)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 09:06 The Newsroom (w172y182fsgv7p8)**

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

#### **TUE 09:30 BBC News Summary (w172ykr8h3qk8b8)**

The latest two minute news summary from BBC World Service.

#### **TUE 09:32 The Documentary (w3ct4lrh)**

[Repeat of broadcast at 02:32 today]

#### **TUE 10:00 BBC News (w172ykqg1d3w0t0)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 10:06 The Arts Hour (w3ct3915)**

[Repeat of broadcast at 20:06 on Saturday]

#### **TUE 11:00 BBC News (w172ykqg1d3w4k4)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 11:06 The Newsroom (w172y182fsgvh5j)**

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

#### **TUE 11:30 BBC News Summary (w172ykr8h3qkhtj)**

The latest two minute news summary from BBC World Service.

#### **TUE 11:32 In the Studio (w3ct3jjz)**

[Repeat of broadcast at 04:32 today]

#### **TUE 12:00 BBC News (w172ykqg1d3w898)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 12:06 Outlook (w3ct353v)**

The Palestinian tapes, part 2

In 2020, Mo'min Swaitat unearthed a treasure trove of lost Palestinian music in an abandoned building. Out of thousands of dusty cassettes there was one that caught his eye: a bright yellow tape, completely unmarked except for a handwritten label that said 'Intifada.' Mo'min loved the music and a series of clues led him to Hanan Awwad, an elderly Palestinian woman living in occupied East Jerusalem. In this episode, Hanan tells the story of how her brother Riad made the Intifada tape. There was disco, protest and poetry, but the consequences would be dangerous. Through an underground network of music lovers, Riad's songs would survive and eventually end up with Mo'min.

Palestinian tapes parts 1 & 2 production credits:

Presenter: Mobeen Azhar  
Producer: Maryam Maruf  
Editor: Munazza Khan  
Sound design: Joel Cox  
Mix: Giles Aspen  
With thanks to Diana Alghoul for translation support

Get in touch: [outlook@bbc.com](mailto:outlook@bbc.com)

(Photo: Montage of Riad, Hanan, Mo'min & the Palestinian tape archive including the intifada cassette. Credit: Alice Austin, Hanan Awwad and Mo'min Swaitat).

#### **TUE 12:50 Witness History (w3ct3c49)**

[Repeat of broadcast at 08:50 today]



**TUE 13:00 BBC News (w172ykqg1d3wd1d)**

The latest five minute news bulletin from BBC World Service.

**TUE 13:06 The Newsroom (w172y182fsgvqns)**

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

**TUE 13:30 BBC News Summary (w172ykr8h3qkr9s)**

The latest two minute news summary from BBC World Service.

**TUE 13:32 Discovery (w3ct30cf)**

[Repeat of broadcast at 20:32 on Monday]

**TUE 14:00 BBC News (w172ykqg1d3whsj)**

The latest five minute news bulletin from BBC World Service.

**TUE 14:06 Newshour (w172yfcc4kwz1qt)**

Bankman-Fried charged with fraud

The US Securities and Exchange Commission has charged the founder of the collapsed cryptocurrency exchange, FTX, with defrauding customers of billions of dollars. This follows the arrest of Sam Bankman-Fried in the Bahamas.

Also in the programme: South Africa's Ramaphosa awaits vote on future; gene editing hens.

(Picture: FTX CEO Sam Bankman-Fried poses for a picture, in an unspecified location, in this undated handout picture, obtained by Reuters on July 5, 2022.)

**TUE 15:00 BBC News (w172ykqg1d3wmjn)**

The latest five minute news bulletin from BBC World Service.

**TUE 15:06 People Fixing The World (w3ct3j3f)**

[Repeat of broadcast at 08:06 today]

**TUE 15:30 BBC News Summary (w172ykr8h3qkzt1)**

The latest two minute news summary from BBC World Service.

**TUE 15:32 World Business Report (w3ct3g9d)**

FTX founder arrested, charged

Sam Bankman-Fried, the founder of failed trading platform FTX, is facing fraud charges and investigation by US authorities.

As the IMF announces a \$3 billion bailout package for Ghana, we hear what it will mean for the country's faltering economy.

Also, a look at the challenges facing Christmas market traders in the UK.

(Picture: Sam Bankman-Fried. Credit: Getty Images.)

**TUE 16:00 BBC News (w172ykqg1d3wr8s)**

The latest five minute news bulletin from BBC World Service.

**TUE 16:06 BBC OS (w172yg1xxwgb4mv)**

Fusion energy breakthrough

A major breakthrough has been announced by US scientists in the race to recreate nuclear fusion, a potential source of near-limitless clean energy.

We bring you the latest news from the press conference, and hear more about the breakthrough from a fusion scientist.

Also on the programme, we head to South Africa, where members of parliament in South Africa are discussing potential impeachment proceedings against President Cyril Ramaphosa.

And the US authorities have filed eight separate criminal charges against the founder of the collapsed cryptocurrency exchange, FTX. Sam Bankman-Fried is accused of wire fraud, money laundering and conspiracy to defraud the United States among other things. We hear the latest updates on the trial.

We go to Peru, where at least seven people have now died in clashes with the security forces since protests erupted over the impeachment of Pedro Castillo last Wednesday. We hear from people living there.

(Photo: The interior of the target chamber at LLNL, where nuclear fusion takes place. Credit: Philip Saltonstall)

**TUE 17:00 BBC News (w172ykqg1d3ww0x)**

The latest five minute news bulletin from BBC World Service.

**TUE 17:06 BBC OS (w172yg1xxwgb8cz)**

Striking healthcare workers

On the programme this week we're going to be looking at the huge number of strikes happening around the world at the moment - and speaking to people involved. In many countries nurses, doctors and other health care workers are taking part in a growing wave of strikes and protest. We hear from two medical workers, a doctor and a nurse, who will be going on strike in the coming weeks.

Also on the programme: A major breakthrough has been announced by US scientists in the race to recreate nuclear fusion, a potential source of near-limitless clean energy. We bring you the latest news from the press conference, and hear more about the breakthrough from a fusion scientist.

And, the US authorities have filed eight separate criminal charges against the founder of the collapsed cryptocurrency exchange, FTX. Sam Bankman-Fried is accused of wire fraud, money laundering and conspiracy to defraud the United States among other things. He was arrested in the Bahamas on Monday and is expected to be extradited to the US. We hear the latest updates on the trial.

(Photo: Nurses are to take strike action in the UK in December 2022 Credit: PA Media)

**TUE 18:00 BBC News (w172ykqg1d3wzs1)**

The latest five minute news bulletin from BBC World Service.

**TUE 18:06 Outlook (w3ct353v)**

[Repeat of broadcast at 12:06 today]

**TUE 18:50 Witness History (w3ct3c49)**

[Repeat of broadcast at 08:50 today]

**TUE 19:00 BBC News (w172ykqg1d3x3j5)**

The latest five minute news bulletin from BBC World Service.

**TUE 19:06 The Newsroom (w172y182fsgwg4k)**

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

**TUE 19:30 BBC News Summary (w172ykr8h3qlgsk)**

The latest two minute news summary from BBC World Service.

**TUE 19:32 Sport Today (w3ct4ld5)**

2022/12/13 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 (w172ykqg1d3x789)**

The latest five minute news bulletin from BBC World Service.

**TUE 20:06 The Documentary (w3ct4lrh)**

[Repeat of broadcast at 02:32 today]

**TUE 20:30 BBC News Summary (w172ykr8h3ql1jp)**

The latest two minute news summary from BBC World Service.

**TUE 20:32 Digital Planet (w3ct31zf)**

Shopee in Thailand – is it safe?

One of the biggest platforms in South East Asia, which is as popular as Google, YouTube and Facebook, has stopped bank transfer payments. Users have reported money missing from their accounts – the transactions should have been secured with a one-time passcode but according to social media they were processed without permission. Shopee have now stopped customers from linking their accounts to the platform directly. The company also denies they were hacked and that they had taken the decision to stop bank transfers last month. It also says that the customers were probably victims of phishing scams. The BBC's Tossapol Chaisarnitpol has been covering the story and joins us from the Bangkok Bureau.

Facial recognition plans dropped in Sao Paulo – for now  
Plans for the controversial facial recognition surveillance system in Sao Paulo have been scrapped – at least for now. Twenty thousand cameras, half of which had facial recognition capabilities, were to be erected across the city – making it one of the largest facial recognition rollouts in the world. Much opposition from civil liberty groups – who claim that the system would allow the city authorities to track people's activities on social media with the data they gathered through the cameras – has forced this announcement. However, many people fear this

may just be a postponement. Angelica Mari explains more.

3D printed violins

Imagine printing a violin in library for just \$7US? That's what Dr. Mary-Elizabeth Brown, the Director of Montreal-based AVIVA Young Artists Program, has managed to do. The instrument at this cost is suitable for a young child to play, and full size instruments can be 3D printed but with industrial printers, not ones we have at home or in local libraries. Dr. Brown is on the show to explain the technology behind the printing and why she is determined to make learning musical instruments much more accessible.

The programme is presented by Gareth Mitchell with expert commentary from Angelica Mari.

Studio Manager: Bob Nettles

Producer: Ania Lichtarowicz

(Image: Getty Images)

**TUE 21:00 BBC News (w172ykqg1d3xc0f)**

The latest five minute news bulletin from BBC World Service.

**TUE 21:06 Newshour (w172yfcc4kwzwyq)**

US-based lab successfully extracts power from nuclear fusion

US-based lab successfully extracts energy from nuclear fusion; also in the programme a French court found eight people guilty of the Nice terror attack of 2016; and we hear from a Ukrainian man who was imprisoned and tortured by Russian forces in Kherson.

(Photo: Technicians access the target chamber interior for inspection and maintenance at the National Ignition Facility (NIF), in California. Credit: Reuters)

**TUE 22:00 BBC News (w172ykqg1d3xgrk)**

The latest five minute news bulletin from BBC World Service.

**TUE 22:06 The Newsroom (w172yxr6l9tmg4)**

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

**TUE 22:20 Sports News (w172yghcen3kksv)**

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

**TUE 22:30 BBC News Summary (w172ykr8h3qlv0y)**

The latest two minute news summary from BBC World Service.

**TUE 22:32 World Business Report (w3ct3gcn)**

Will investors in Crypto currency exchange FTX get their money back?

Investors in failed Crypto trading platform FTX face a long wait to see if will get any of their money back.

Protests continue in Peru almost a week after former President Pedro Castillo was imprisoned after his attempt to dissolve the Congress, we take a look at the economic impact of prolonged protests.

Is Morocco's success at the World Cup likely to lead to boom in business into the country?

(Picture: A representation of virtual currency Bitcoin and U.S. One Dollar banknote Credit:Reuters.)

**TUE 23:00 BBC News (w172ykqg1d3x1hp)**

The latest five minute news bulletin from BBC World Service.

**TUE 23:06 People Fixing The World (w3ct3j3f)**

[Repeat of broadcast at 08:06 today]

**TUE 23:30 BBC News Summary (w172ykr8h3qly52)**

The latest two minute news summary from BBC World Service.

**TUE 23:32 In the Studio (w3ct3jjz)**

[Repeat of broadcast at 04:32 today]

**WEDNESDAY 14 DECEMBER 2022****WED 00:00 BBC News (w172ykqg1d3xq7t)**

The latest five minute news bulletin from BBC World Service.

**WED 00:06 The Arts Hour (w3ct3915)**  
[Repeat of broadcast at 20:06 on Saturday]

**WED 01:00 BBC News (w172ykqg1d3xtzy)**  
The latest five minute news bulletin from BBC World Service.

**WED 01:06 Business Matters (w172ydg725jxqx9)**  
Major breakthrough in nuclear fusion energy announced

Physicists have pursued the technology for decades as it promises a potential source of near-limitless clean energy. They say there is still some way to go before fusion powers homes.

As China eases covid restrictions we discuss plans by U-S vaccine maker Moderna to enter the Chinese market.

We find out if any of the investors in the crypto exchange FTX will get their money back.

And what sort of money will Morocco make after its success in the World Cup.

Sam Fenwick discusses these and more business news throughout the programme with two guests on opposite sides of the world: Frank Tsai Editor of the Shanghai Review in China and Shannon Najmabadi a reporter at the Colorado Sun in the United States.

(Picture: The interior of the target chamber at LLNL, where nuclear fusion takes place. Credit: Philip Saltonstall)

**WED 02:00 BBC News (w172ykqg1d3xyr2)**  
The latest five minute news bulletin from BBC World Service.

**WED 02:06 The Newsroom (w172y82fsgx9cg)**  
The world's Newsroom brings you global events as they happen

**WED 02:30 BBC News Summary (w172ykr8h3qmb0g)**  
The latest two minute news summary from BBC World Service.

**WED 02:32 The Compass (w3ct4lpt)**  
How To Be A Former President

How to be a former president: Part three

Giles Edwards looks inside the private clubs of former world leaders to see how they are still trying to influence global politics.

(Photo: Helen Clark speaks at a 2022 meeting of the Global Leadership Foundation)

**WED 03:00 BBC News (w172ykqg1d3y2h6)**  
The latest five minute news bulletin from BBC World Service.

**WED 03:06 Outlook (w3ct353v)**  
[Repeat of broadcast at 12:06 on Tuesday]

**WED 03:50 Witness History (w3ct3c49)**  
[Repeat of broadcast at 08:50 on Tuesday]

**WED 04:00 BBC News (w172ykqg1d3y67b)**  
The latest five minute news bulletin from BBC World Service.

**WED 04:06 The Newsroom (w172y82fsgxjvq)**  
The world's Newsroom brings you global events as they happen

**WED 04:30 BBC News Summary (w172ykr8h3qmkhq)**  
The latest two minute news summary from BBC World Service.

**WED 04:32 The Fake Paralympians (w3ct2gz2)**  
4. Probe

There are allegations the cheating went wider within intellectual disability sport, and that it wasn't just the gold-winning Spanish basketball team. An investigator for the International Paralympic Committee reveals what he found, and discusses specific accusations he heard about another of the basketball teams.

The probe has shocking consequences for intellectual disability sport: a total ban from the Paralympic Games. Dan has a heart-to-heart with his mum and dad about the impact on his budding swimming career.

And Dan speaks to the man who was in charge of the

International Paralympic Committee when it took the decision that has overshadowed Dan's life ever since.

Presenter: Dan Pepper  
Series Producer: Simon Maybin

(Photo credit: EPA)

**WED 05:00 BBC News (w172ykqg1d3y9zg)**  
The latest five minute news bulletin from BBC World Service.

**WED 05:06 Newsday (w172yf8wtd2yymw)**  
In a major breakthrough US scientists say they have recreated nuclear fusion

We're live in Casablanca, as Morocco prepares for an historic World Cup semi final in just a few hours, the first African and Arab country to get within touching distance of the greatest prize in football. We'll bring you all the excitement and the atmosphere from here.

We'll also hear about an astonishing development in the search for clean energy.

Also in the programme, we look at how a court in the Bahamas has denied bail to the founder of the collapsed cryptocurrency exchange, FTX, who's been accused of one of the biggest financial frauds in US history.

**WED 06:00 BBC News (w172ykqg1d3yfq1)**  
The latest five minute news bulletin from BBC World Service.

**WED 06:06 Newsday (w172yf8wtd2z2d0)**  
US scientists make breakthrough step towards producing clean energy

As Morocco prepares for an historic World Cup semi final in just a few hours, it's the first African and Arab country to get to within touching distance of the greatest prize in football. We'll bring you all the latest as we are live in Casablanca.

US scientists make a positive step towards producing clean energy, the new technology called nuclear fusion could be a game changer.

Also we'll hear from China, where a spike in Covid cases is occurring after social restrictions were relaxed.

**WED 07:00 BBC News (w172ykqg1d3ykgq)**  
The latest five minute news bulletin from BBC World Service.

**WED 07:06 Newsday (w172yf8wtd2z644)**  
Morocco prepares for an historic World Cup semi final

We're live in Casablanca, as Morocco prepares for an historic World Cup semi final in just a few hours, making it the first African and Arab country to get to within touching distance of the greatest prize in football.

A court in Georgia has begun to hear evidence on whether to release the country's former president, Mikheil Saakashvili from jail on humanitarian grounds. Mr Saakashvili returned to Georgia after eight years of political exile but was subsequently arrested on longstanding abuse of office charges.

Also in the programme we look at a scientific breakthrough which includes a new type of personalised vaccine to treat cancer. The experimental therapy is based on mRNA technology and appears to offer protection against one particular type of aggressive skin cancer.

**WED 08:00 BBC News (w172ykqg1d3yp6v)**  
The latest five minute news bulletin from BBC World Service.

**WED 08:06 HARDtalk (w3ct32ry)**  
Oleksandra Matviichuk and Yan Rachinsky: Fighting for civil rights

Stephen Sackur is in Oslo to talk to two of the three joint winners of this year's Nobel Peace Prize. Oleksandra Matviichuk is the head of the Center for Civil Liberties in Ukraine. Yan Rachinsky is chairman of the human rights group Memorial in Russia. The third winner, pro-democracy activist Ales Bialiatski, is a political prisoner in Belarus. What can civil society activism achieve in the face of authoritarian aggression?

Image: Yan Rachinsky (L) and Oleksandra Matviichuk (R)  
(Credit: NTB/Haakon Mosvold Larsen via Reuters)

**WED 08:30 BBC News Summary (w172ykr8h3qn1h7)**  
The latest two minute news summary from BBC World Service.

**WED 08:32 Business Daily (w3ct31cs)**  
Money jobs: The truth about trading

We all love a good financial film, we might not all fully understand what's going on the whole time, but they're always really intense with a make or break ending, but is working as a markets trader really like that?

This is the latest episode from our Business Daily's series on high value, high transaction jobs you might read about, see on the TV or glamorised in films.

In episode three Leanna Byrne looks at how some of the most famous financial films depict working as a commodities trader and compares that with what a real life commodities trader, Warren Goldstein, tells us about working in the industry. If, even as you read this, you're thinking hang on what's a commodity trader? Don't worry, Katie McGarrigle, show host for Options Trading Concepts Live on the tastylive network, is our jargon buster for this episode.

Presenter/producer: Leanna Byrne  
Image: Traders on the floor; Credit: Getty

**WED 08:50 Witness History (w3ct3c6k)**  
Returning to District Six

When Zahra Nordien was forced out of District Six in Cape Town in 1977, she vowed to one day return.

She was one of the 60,000 people who were forcibly removed from the neighbourhood because of the racist South African apartheid government.

What seemed like a pipe dream became a reality when Zahra set up the District Six Working Committee campaigning to get former residents into newly rebuilt homes.

In 2013 her elderly mother moved back into District Six with Zahra, more than three decades after they were expelled.

Zahra tells Reena Stanton-Sharma about her ongoing fight for restitution.

(Photo: Cape Town, South Africa in the 1970s. Credit: Gallo Images / Juhan Kuus)

**WED 09:00 BBC News (w172ykqg1d3ysyz)**  
The latest five minute news bulletin from BBC World Service.

**WED 09:06 The Newsroom (w172y82fsgy4lc)**  
The world's Newsroom brings you global events as they happen

**WED 09:30 BBC News Summary (w172ykr8h3qn57c)**  
The latest two minute news summary from BBC World Service.

**WED 09:32 The Compass (w3ct4lpt)**  
[Repeat of broadcast at 02:32 today]

**WED 10:00 BBC News (w172ykqg1d3yxq3)**  
The latest five minute news bulletin from BBC World Service.

**WED 10:06 The Reith Lectures (w3ct4l3l)**  
The four freedoms: Freedom from want

Author and musician Darren McGarvey gives the third of four BBC Reith Lectures on the theme of liberty, addressing "Freedom from want." McGarvey argues that the present system is not working for many but that it is incumbent on citizens to confront that and rise to the challenge of what inequality means. Individuals, he says, need to take personal responsibility and reject the apathy which many working-class communities experience.

The lecture and question-and-answer session is recorded in Glasgow in front of an audience. The presenter is Anita Anand.

(Photo: Darren McGarvey attends the Mid90s screening, 04 April, 2019 in London, England. Credit: Eamonn M. McCormack/Getty Images)

**WED 11:00 BBC News (w172ykqg1d3z1g7)**  
The latest five minute news bulletin from BBC World Service.

**WED 11:06 The Newsroom (w172y82fsgyd2m)**  
The world's Newsroom brings you global events as they happen

**WED 11:30 BBC News Summary (w172ykr8h3qndqm)**  
The latest two minute news summary from BBC World Service.

**WED 11:32 The Fake Paralympians (w3ct2gz2)**  
[Repeat of broadcast at 04:32 today]

**WED 12:00 BBC News (w172ykqg1d3z56c)**  
The latest five minute news bulletin from BBC World Service.

**WED 12:06 Outlook (w3ct3y9f)**  
Watergate's "lady lawyer" – facing sexism and scandal

Lawyer Jill Wine-Banks was in her 20s when she got the case of a lifetime – to join a team of special prosecutors investigating the Watergate cover-up. In 1973, it was America's biggest corruption scandal and it involved President Richard Nixon himself. As the only woman on the team, Jill stood out and was referred to disparagingly as the "Watergate girl" or the "mini-skirted lawyer." Unfazed, Jill excelled at her job – facing top White House aides in court and taking them down, including the dramatic moment when she caught out Nixon's own secretary in a lie. But as Jill was making history, she was also dealing with a failing marriage and an explosive secret. Her memoir is called *The Watergate Girl: My fight for truth and justice against a criminal president*.

Presenter: Jo Fidgeon  
Producer: Maryam Maruf

Get in touch: outlook@bbc.com

(Photo: Jill Wine-Banks outside the White House in November 1973, after her cross-examination of President Nixon's secretary, Rose Mary Woods. Credit: Bettmann Archive/Getty Images)

**WED 12:50 Witness History (w3ct3c6k)**  
[Repeat of broadcast at 08:50 today]

**WED 13:00 BBC News (w172ykqg1d3z8yh)**  
The latest five minute news bulletin from BBC World Service.

**WED 13:06 The Newsroom (w172yl82fsgymkw)**  
The world's Newsroom brings you global events as they happen

**WED 13:30 BBC News Summary (w172ykr8h3qnn6w)**  
The latest two minute news summary from BBC World Service.

**WED 13:32 Digital Planet (w3ct31zf)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 14:00 BBC News (w172ykqg1d3zdpn)**  
The latest five minute news bulletin from BBC World Service.

**WED 14:06 Newshour (w172yfcc4kx1ymx)**  
Son sues Meta over father's killing in Ethiopia

Facebook's algorithm helped fuel the viral spread of hate and violence during Ethiopia's civil war, a legal case alleges. Abraham Meareg, the son of an Ethiopian academic shot dead after being attacked in Facebook posts, is among those bringing the case against Meta. We speak to his lawyer. Also on the programme: more than 120 people have been killed following the worst floods in years in the capital of the Democratic Republic of Congo, Kinshasa. And we look ahead to Morocco's historic World Cup semi-final against France. (File image: a destroyed tank in Kasagita town, Afar region, Ethiopia, February 25, 2022. REUTERS/Tiksa Negeri)

**WED 15:00 BBC News (w172ykqg1d3zjfr)**  
The latest five minute news bulletin from BBC World Service.

**WED 15:06 HARDtalk (w3ct32ry)**  
[Repeat of broadcast at 08:06 today]

**WED 15:30 BBC News Summary (w172ykr8h3qnnwq4)**  
The latest two minute news summary from BBC World Service.

**WED 15:32 World Business Report (w3ct3gfx)**  
EU corruption scandal: What we know

Three people have appeared in court in Brussels charged with corruption offences relating to their work at the European Parliament.

In Britain, hundreds of thousands of key workers are on strike. It's mostly over pay, which has failed to keep pace with the heightened rate of inflation.

(Picture: The European Union flag. Credit: Getty Images.)

**WED 16:00 BBC News (w172ykqg1d3zn5w)**  
The latest five minute news bulletin from BBC World Service.

**WED 16:06 BBC OS (w172yg1xxwgf1jy)**  
Striking teachers around the world

The World Cup semi-finals get underway today as Morocco take on France. We'll hear what the mood is like in Morocco, France and Qatar ahead of the game.

The BBC's correspondent in Ukraine, Hugo Bachega, will talk about Wednesday morning's Russian attack on the capital city of Kyiv.

Hugo, who heard the loud blasts speaks about Ukraine's response as the country battles with repeated attacks on its energy infrastructure.

In China, we speak to Kerry Allen and a local journalist on the changing Covid policy as infection rates soar in Beijing.

We'll run a conversation on teachers' strike and hear from teachers in the US and Ghana on their demands and how the strike impacts students.

**WED 17:00 BBC News (w172ykqg1d3zry0)**  
The latest five minute news bulletin from BBC World Service.

**WED 17:06 BBC OS (w172yg1xxwgf592)**  
World Cup 2022: Morocco v France

The World Cup semi-finals get underway today as Morocco take on France. We'll hear what the mood is like in Morocco, France and Qatar ahead of the game.

The BBC's correspondent in Ukraine, Hugo Bachega, will talk about Wednesday morning's Russian attack on the capital city of Kyiv.

Hugo, who heard the loud blasts speaks about Ukraine's response as the country battles with repeated attacks on its energy infrastructure.

In China, we speak to Kerry Allen and a local journalist on the changing Covid policy as infection rates soar in Beijing.

We'll run a conversation on teachers' strike and hear from teachers in the US and Ghana on their demands and how the strike impacts students.

**WED 18:00 BBC News (w172ykqg1d3zwp4)**  
The latest five minute news bulletin from BBC World Service.

**WED 18:06 Outlook (w3ct3y9f)**  
[Repeat of broadcast at 12:06 today]

**WED 18:50 Witness History (w3ct3c6k)**  
[Repeat of broadcast at 08:50 today]

**WED 19:00 BBC News (w172ykqg1d400f8)**  
The latest five minute news bulletin from BBC World Service.

**WED 19:06 The Newsroom (w172yl82fsgzc1n)**  
The world's Newsroom brings you global events as they happen

**WED 19:30 BBC News Summary (w172ykr8h3qpcpn)**  
The latest two minute news summary from BBC World Service.

**WED 19:32 Sport Today (w3ct4lgt)**  
2022/12/14 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 (w172ykqg1d4045d)**  
The latest five minute news bulletin from BBC World Service.

**WED 20:06 The Compass (w3ct4lpt)**  
[Repeat of broadcast at 02:32 today]

**WED 20:30 BBC News Summary (w172ykr8h3qphfs)**  
The latest two minute news summary from BBC World Service.

**WED 20:32 Health Check (w3ct32xg)**  
Liver drug could be repurposed for Covid

We've grown used to hearing about potential new treatments for Covid-19 – well here's another. Researchers in Britain have, by chance, discovered that a tablet used to treat liver disease for decades could be repurposed to stop Covid-19 in its tracks.

The drug appears to shut a crucial 'doorway' the virus uses to get into our cells – and scientists are excited about its potential to tackle different variants and provide a low-cost weapon in the pandemic. We hear how researchers used a combination of 'mini organs', animals and humans to show how it could work – and what needs to happen next to confirm the findings.

The BBC's Anna Holligan reports from the cycle-friendly Netherlands on an innovative new bike donation scheme that is being used to break down barriers and improve mental health for refugees and in deprived communities.

And Claudia Hammond's guest this week is Dr Graham Easton, a family doctor and professor of clinical communication skills at Queen Mary University of London. He delves into new research that suggests short bursts of vigorous activity could reduce risk of death and finds out which Olympic sports are most likely to cause injuries. Spoiler: It's not the more traditional ones...

(Picture: Liver organoid – or 'mini-liver' – infected with SARS-CoV-2 (red indicates the virus). Photo credit: Teresa Brevini).

Presenter: Claudia Hammond  
Producer: Gerry Holt

**WED 21:00 BBC News (w172ykqg1d407xj)**  
The latest five minute news bulletin from BBC World Service.

**WED 21:06 Newshour (w172yfcc4kx2svt)**  
Peru declares a state of emergency

Peru declares a state of emergency to contain demonstrations demanding dissolution of Congress. Also in the programme, the EU corruption scandal: we speak to one of the European parliament's vice presidents ... and we hear about the newly discovered snake clitorises.

(Photo: Peruvian police officers walk beside protesters demanding the dissolution of the Congress. Credit: Reuters)

**WED 22:00 BBC News (w172ykqg1d40cnn)**  
The latest five minute news bulletin from BBC World Service.

**WED 22:06 The Newsroom (w172yrx6l9tqcq7)**  
The world's Newsroom brings you global events as they happen

**WED 22:20 Sports News (w172yghcn3ngpy)**  
BBC Sport brings you all the latest stories and results from around the world.

**WED 22:30 BBC News Summary (w172ykr8h3qpqy1)**  
The latest two minute news summary from BBC World Service.

**WED 22:32 World Business Report (w3ct3gj5)**  
Mass industrial action threatens to grind the UK to a halt

More workers are expected to take industrial action, as demands grow for better working conditions and pay increases to keep up with rising prices. But the winter of discontent isn't just being felt in the UK. Workers in the US are jeopardizing profits of some big businesses there.

Dock workers at the Port of LA are on strike but are in dispute about wages. A situation that's caused it to lose its crown as the busiest port in the northern hemisphere. We look at the impact its having on business.

And while Morocco might not have been winners on the football pitch tonight their economy has been boosted by their run in the World Cup. (Picture: A view of an empty station during the strike over pay, job security and working conditions in London, United Kingdom. Credit: Getty Images.)

**WED 23:00 BBC News (w172ykqg1d40hds)**  
The latest five minute news bulletin from BBC World Service.

**WED 23:06 HARDtalk (w3ct32ry)**

[Repeat of broadcast at 08:06 today]

**WED 23:30 BBC News Summary (w172ykr8h3qvpv5)**

The latest two minute news summary from BBC World Service.

**WED 23:32 The Fake Paralympians (w3ct2gz2)**

[Repeat of broadcast at 04:32 today]

#### THURSDAY 15 DECEMBER 2022

**THU 00:00 BBC News (w172ykqg1d40m4x)**

The latest five minute news bulletin from BBC World Service.

**THU 00:06 The Documentary (w3ct4lyy)**

[Repeat of broadcast at 12:06 on Saturday]

**THU 01:00 BBC News (w172ykqg1d40qx1)**

The latest five minute news bulletin from BBC World Service.

**THU 01:06 Business Matters (w172ydg725k0mtd)**

Growing demand for better welfare as workers down tools and strike

It's a December to remember for many as workers in South Africa, Australia and South Korea down tools to demand for better welfare.

US central bank, the Federal Reserve, has increased interest rates by half a percentage point to try and cope with price inflation caused, in part, by higher wages.

Sam Fenwick is joined throughout the programme by Hayley Woodin, Executive Editor of Business in Vancouver a weekly magazine and Jasper Kim, Law Professor at Ewha University in Seoul, Korea and expert in international business law. (Picture: A view of an empty station during the strike in London, United Kingdom. Credit: Getty Images.)

**THU 02:00 BBC News (w172ykqg1d40vn5)**

The latest five minute news bulletin from BBC World Service.

**THU 02:06 The Newsroom (w172yl82fsh068k)**

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

**THU 02:30 BBC News Summary (w172ykr8h3qq6xk)**

The latest two minute news summary from BBC World Service.

**THU 02:32 Assignment (w3ct304n)**

Hungary's Power Dilemma

Paks, a small Hungarian town on the bank of the River Danube has prospered from its nuclear power station, built by the Soviet Union in the mid-1980s. Hungary has prospered too. Paks provides some 40 per cent of the country's power requirements. But the four reactors are now approaching the end of their lives and are slated for retirement in 2032; so, in 2014 agreement was reached with Russia to build two more, with the help of a Russian loan worth several billion Euros, Russian engineers, and a small army of Ukrainian welders.

But the invasion of Ukraine by the Russian army in February 2022 has thrown these plans into disarray. Construction has begun, in the sense that bulldozers have been clearing the ground. But the project is already delayed, and there are those who believe that the new reactors will never be built. As Nick Thorpe discovers, people who thought they had a job for life in Paks are worried about their future and the future of a town whose lively shops and restaurants owe everything to the nuclear industry. Now the centre-piece of prime minister Viktor Orban's energy empire, Paks may soon become the country's rustbelt.

**THU 03:00 BBC News (w172ykqg1d40zd9)**

The latest five minute news bulletin from BBC World Service.

**THU 03:06 Outlook (w3ct3y9f)**

[Repeat of broadcast at 12:06 on Wednesday]

**THU 03:50 Witness History (w3ct3c6k)**

[Repeat of broadcast at 08:50 on Wednesday]

**THU 04:00 BBC News (w172ykqg1d4134f)**

The latest five minute news bulletin from BBC World Service.

**THU 04:06 The Newsroom (w172yl82fsh0frt)**

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

**THU 04:30 BBC News Summary (w172ykr8h3qqgdt)**

The latest two minute news summary from BBC World Service.

**THU 04:32 The Food Chain (w3ct38nx)**

Hard to swallow

Can you imagine what you would miss if you lost the ability to eat?

Swallowing is something most of us take for granted, but around 8% of the general population are believed to experience some difficulty swallowing – known as dysphagia.

In this programme, Ruth Alexander talks to one of the estimated hundreds of millions of people who have struggled with swallowing food and drink, and to those who are trying to make the condition better understood.

She speaks to California-based Sonia Blue, who lost the ability to swallow after having surgery; chef Niamh Condon, in Cork, Ireland; and Professor Bronwyn Hemsley, head of speech pathology at the University of Technology Sydney, Australia.

Always seek advice from a qualified health care professional with any questions you may have regarding a medical condition.

If you would like to get in touch with the show, please email: thefoodchain@bbc.co.uk

(Picture: Pureed apple on a spoon. Credit: Getty Images/BBC)

Producer: Elisabeth Mahy

**THU 05:00 BBC News (w172ykqg1d416wk)**

The latest five minute news bulletin from BBC World Service.

**THU 05:06 Newsday (w172yf8wtd31vjz)**

Biden: US is 'all in' on Africa's future

President Biden has announced billions of dollars in new funding for Africa at a summit of dozens of heads of state in Washington.

Hungary's parliament has agreed to extend the life-span of four Russian-built nuclear power plant reactors.

And French football fans have been celebrating their country's progress to the World Cup final after France beat Morocco two-nil.

**THU 06:00 BBC News (w172ykqg1d41bnp)**

The latest five minute news bulletin from BBC World Service.

**THU 06:06 Newsday (w172yf8wtd31z93)**

NHS nurses in historic strike

The biggest nursing strike in the history of Britain's public health service begins today. Tens of thousands of nurses in England, Wales and Northern Ireland are taking part, arguing they are underpaid and undervalued.

The government of Peru has declared a 30-day nationwide state of emergency, as supporters of the ousted president, Pedro Castillo, continue to block some of the country's main roads and airports.

And a court in California has sentenced a former Twitter manager to three-and-a-half years in jail for spying on behalf of Saudi Arabia.

**THU 07:00 BBC News (w172ykqg1d41gct)**

The latest five minute news bulletin from BBC World Service.

**THU 07:06 Newsday (w172yf8wtd32317)**

NHS nurses strike for 19% pay rise

The biggest nursing strike in the history of Britain's public health service begins today. Tens of thousands of nurses in England, Wales and Northern Ireland are taking part, arguing they are underpaid and undervalued. The UK government says their demand for a 19 percent pay rise is unaffordable.

And French football fans have been celebrating their country's progress to the World Cup final. On Sunday, they will face Argentina in the final.

**THU 08:00 BBC News (w172ykqg1d4113y)**

The latest five minute news bulletin from BBC World Service.

**THU 08:06 The Inquiry (w3ct39v1)**

Why is Lebanon falling apart?

Lebanon is experiencing one of the world's worst-ever economic disasters.

Its currency has lost 90 per cent of its value, 80 per cent of the population is now in poverty, and inflation is in triple figures.

Some people are resorting to armed robbery of the banks who are denying them full access to their own savings.

The political system is deadlocked too - with no President and only a caretaker government to try to pull the country back from the brink.

And cholera – an entirely preventable disease - has returned for the first time in 30 years.

So how did Lebanon fall so far, so fast? This week on The Inquiry we're asking: Why is Lebanon falling apart?

Presented by Anna Foster

Produced by Ravi Naik

Researcher Christopher Blake

Editor Tara McDermott

Technical producer Craig Boardman

Broadcast Coordinator Brenda Brown

(a demonstrator waves the Lebanese flag in front of riot police during a protest in Beirut, Lebanon 2020. Credit: Reuters/Goran Tomasevic)

**THU 08:30 BBC News Summary (w172ykr8h3qqydb)**

The latest two minute news summary from BBC World Service.

**THU 08:32 Business Daily (w3ct312r)**

Money jobs: The reality for realtors

This is episode four of our Business Daily series all about high value, high transaction jobs you might read about, see on the TV or glamorised in films. And in this episode Leanna Byrne looks at the reality for those people who's job is to sell or rent some of the most expensive homes in the world.

If you're a fan of Selling Sunset or Million Dollar Listing, with the estate agents as slick as the homes they're selling, then you're going to love this episode because it lifts the lid on what it's really like to do these jobs.

Leanna speaks to Hong Kong estate agent Letizia G Casalino, director of Real Estate of OKAY.com about the market there, and why realtors in Hong Kong are expected to do a lot more than just sell. Vivian Chong is a real estate agent in Singapore and tells us about some very exclusive properties and Anna Klenkar, is a real estate agent with Compass, and she's been making TikToks all about the realities of the New York property market.

Presenter/producer: Leanna Byrne

Image: Contract signing; Credit: Juan Manuel Brest

**THU 08:50 Witness History (w3ct3c21)**

Soviet fashionista

Slava Zaitsev was the first designer to create high fashion collections in the Soviet Union.

He tells Dina Newman about the challenges he faced working under communism.

This programme was first broadcast in 2018.

(Photo: A sketch of a dress designed by Slava Zaitsev. Credit: Slava Zaitsev)

**THU 09:00 BBC News (w172ykqg1d41pw2)**

The latest five minute news bulletin from BBC World Service.

**THU 09:06 The Newsroom (w172yl82fsh11hg)**

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

**THU 09:30 BBC News Summary (w172ykr8h3qr24g)**

The latest two minute news summary from BBC World Service.

**THU 09:32 Assignment (w3ct304n)**

[Repeat of broadcast at 02:32 today]

**THU 10:00 BBC News (w172ykqg1d41tm6)**

The latest five minute news bulletin from BBC World Service.

**THU 10:06 The Forum (w3ct38tf)**

Belarus: The crossroads of Eastern Europe

Belarusian lands have seen dramatic upheavals throughout the twentieth century and today, like its neighbour Ukraine to the south, Belarus finds itself on the cusp, in between the countries of the European Union on one side and Putin's Russia on the other. While Belarus often features in the news, its history is less well known. So how far back does the story of Belarus go? How was its sense of national identity forged? And how did it survive the traumas and repressions that it has been subjected to by various invaders and imperial powers?

Three historians of Eastern Europe join Bridget Kendall to answer these questions:  
Dr. Nelly Bekus, Lecturer at the University of Exeter who studies post-Soviet nations;  
Dr. Natalya Chernyshova, Senior Lecturer in modern history at Winchester University who researches the 20th century in Belarus and beyond;  
and Dr. Andrej Kotljarchuk, Senior Lecturer at Uppsala University in Sweden who focuses on the Second World War in Eastern Europe.

(Photo: Mir Castle in Belarus, a UNESCO World Heritage Site. Credit: tbralnina/Getty Images)

**THU 10:50 Sporting Witness (w3ct36gl)**

Nicol David: How to be a number 1 squash player for 9 years

Malaysian Nicol David talks to Uma Doraiswamy about the moment she became world number 1 in squash and how she stayed there for 9 years in a row. When she first started playing, her racquet was bigger than she was. Through her hard work and perseverance, she dominated the game winning titles and trophies throughout her career.

(Photo: Nicol David of Malaysia during the Women's Squash Singles Final at the Asian Games in August 2018. Credit: Getty Images)

**THU 11:00 BBC News (w172ykqg1d41ych)**

The latest five minute news bulletin from BBC World Service.

**THU 11:06 The Newsroom (w172yl82fsh18zq)**

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

**THU 11:30 BBC News Summary (w172ykr8h3qr9mq)**

The latest two minute news summary from BBC World Service.

**THU 11:32 The Food Chain (w3ct38nx)**

[Repeat of broadcast at 04:32 today]

**THU 12:00 BBC News (w172ykqg1d4223g)**

The latest five minute news bulletin from BBC World Service.

**THU 12:06 Outlook (w3ct34x2)**

The illegal nude that made me a security expert

Mia Landsem grew up loving video games and martial arts. Things were tough for her at school - bullies ganged up on her. But things got even worse when she realised her ex-boyfriend had taken a photo of them having sex and shared it online. Suddenly, it was there for the whole internet to see. But Mia fought back, becoming a cyber security expert to help others going through the same thing and also campaigned to change Norwegian law. She tells her story to Mobeen Azhar.

Every year the Italian tenor Andrea Bocelli puts on a concert in his hometown of Lajatico, in Tuscany. This year he was joined on stage by a special choir made up of child refugees who've fled war in Ukraine. Reporter Colm Flynn went to meet him and one of the Ukrainian families taking part in the show.

Get in touch: outlook@bbc.com

(Photo: Mia Landsem at her computer. Credit: Frode Sunde/TV 2 Norway)

**THU 12:50 Witness History (w3ct3c21)**

[Repeat of broadcast at 08:50 today]

**THU 13:00 BBC News (w172ykqg1d425vl)**

The latest five minute news bulletin from BBC World Service.

**THU 13:06 The Newsroom (w172yl82fsh1jgz)**

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

**THU 13:30 BBC News Summary (w172ykr8h3qrk3z)**

The latest two minute news summary from BBC World Service.

**THU 13:32 Health Check (w3ct32xg)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 14:00 BBC News (w172ykqg1d429lq)**

The latest five minute news bulletin from BBC World Service.

**THU 14:06 Newshour (w172yfcc4kx4vk0)**

UK nurses begin strike

Nurses in the UK have gone on strike demanding higher pay amid a cost of living crisis. The UK is currently in the midst of a wave of industrial action involving tens of thousands of people from a whole range of sectors.

Also in the programme: There's been a steep rise in deforestation in Brazil's tropical savannah region; and find out why South Korea has a poor record on gender equality.

(Picture: Nurses on the picket line outside a London hospital. Credit: Lucy North/PA Wire)

**THU 15:00 BBC News (w172ykqg1d42fbv)**

The latest five minute news bulletin from BBC World Service.

**THU 15:06 The Inquiry (w3ct39v1)**

[Repeat of broadcast at 08:06 today]

**THU 15:30 BBC News Summary (w172ykr8h3qrsm7)**

The latest two minute news summary from BBC World Service.

**THU 15:32 World Business Report (w3ct3g4w)**

Possible red card for European Super League

Former Real Madrid President Ramon Calderon speaks to Roger Hearing after Uefa and Fifa receive significant backing in their battle to block the creation of a European Super League. The European Court of Justice's Advocate General said the rules of football's European and world governing bodies were "compatible with EU competition law". A final ruling will be made by a 15-member Grand Chamber next spring.

Tens of thousands of nurses in the state-run National Health Service are staging a strike in Northern Ireland, Wales and England in a dispute about pay. We find out why and whether there's a wider difference between public and private sector pay deals.

Plus airports close in Peru as a result of the protests there.

Picture credit: Getty Images - Visionhaus / Contributor  
Editorial #: 1317284495

**THU 16:00 BBC News (w172ykqg1d42k2z)**

The latest five minute news bulletin from BBC World Service.

**THU 16:06 BBC OS (w172yg1xxwhgy1)**

Nursing strike in the UK

Nurses in England, Wales and Northern Ireland have started a nationwide strike in the largest action of its kind in NHS history. We explain the pay dispute and hear what members of the public think about the strike action.

We talk about the tensions between ethnic Serbs and Albanians in Kosovo and get messages from people living in the region.

Authorities in India say at least 31 people have died and several others hospitalised in India's Bihar state after drinking toxic alcohol. We speak to our reporter and hear reaction from Indians.

The BBC's Chief International Correspondent Lyse Doucet joins the programme to talk about the main developments in the Ukraine war and other major news stories of the year.

(Photo: Members of the Royal College of Nursing (RCN) on the picket line outside St Thomas' Hospital in London as nurses in England, Wales and Northern Ireland take industrial action over pay. Picture date: Thursday December 15, 2022. Credit: Lucy North/PA Wire)

**THU 17:00 BBC News (w172ykqg1d42nv3)**

The latest five minute news bulletin from BBC World Service.

**THU 17:06 BBC OS (w172yg1xxwgj265)**

Harry and Meghan on Netflix

In their Netflix programme, Prince Harry and Meghan Markle have given details of the extent of the breakdown in their relationship with the British royal family. Prince Harry said his brother William, the heir to the British throne, screamed and shouted at him - at a tense meeting about his and Meghan's role in the royal family. We look at the reaction in the UK and around the world.

The follow-up to the film Avatar from 2009 has received mixed reviews from critics. We ask Avatar superfans what they think about The Way of the Water.

The BBC's Chief International Correspondent Lyse Doucet joins the programme to talk about the main developments in the Ukraine war and other major news stories of the year.

We talk about the protests in Turkey against the sentencing of the mayor of Istanbul, who is a strong rival to President Erdogan.

(Photo: Britain's Prince Harry and his wife Meghan, Duchess of Sussex, leave after the National Service of Thanksgiving held at St Paul's Cathedral as part of celebrations marking the Platinum Jubilee of Britain's Queen Elizabeth, in London, Britain, June 3, 2022. Credit: Dylan Martinez/File Photo/Reuters)

**THU 18:00 BBC News (w172ykqg1d42sl7)**

The latest five minute news bulletin from BBC World Service.

**THU 18:06 Outlook (w3ct34x2)**

[Repeat of broadcast at 12:06 today]

**THU 18:50 Witness History (w3ct3c21)**

[Repeat of broadcast at 08:50 today]

**THU 19:00 BBC News (w172ykqg1d42xhc)**

The latest five minute news bulletin from BBC World Service.

**THU 19:06 The Newsroom (w172yl82fsh27yr)**

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

**THU 19:30 BBC News Summary (w172ykr8h3qs8lr)**

The latest two minute news summary from BBC World Service.

**THU 19:32 Sport Today (w3ct4l9x)**

2022/12/15 GMT

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

**THU 20:00 BBC News (w172ykqg1d4312h)**

The latest five minute news bulletin from BBC World Service.

**THU 20:06 Assignment (w3ct304n)**

[Repeat of broadcast at 02:32 today]

**THU 20:30 BBC News Summary (w172ykr8h3qsdwb)**

The latest two minute news summary from BBC World Service.

**THU 20:32 Science In Action (w3ct36b2)**

Fusion milestone

Fusion milestone - the science behind the headlines. Laser fusion expert Kate Lancaster walks us through the technology that produced energy gain at the US's National Ignition Facility NIF

Whirlwinds on Mars

What the sounds of a dust devil passing over NASA's Mars Perseverance Rover tells us about the Martian atmosphere

75 years of the transistor electronics revolution - where next for Moore's Law?

December 16th 1947 was the day the first ever transistor device passed an electrical current. Trillions are made every day these days, powering our interconnected world. Roland recalls meeting some of the pioneers for the 50th anniversary, including Gordon Moore, and hears from Berkeley Dean of engineering Tsu-Jae King Liu how the revolution will continue for another 25 years.

**THU 21:00 BBC News (w172ykqg1d434tm)**

The latest five minute news bulletin from BBC World Service.

**THU 21:06 Newshour (w172yfcc4kx5prx)**

"My patients have been shot in their hands, legs and face"- Iranian doctor

On the third month of demonstrations in Iran, 400 people are estimated to have died. Many more have been wounded. Newshour gets through to a doctor from inside Iran who describes the severity of the injuries of his patients.

Also in the programme: thousands of people gather in Istanbul protesting at the conviction of one of President Recep Tayipp Erdogan's most prominent political rival months before the presidential elections, and we explore why South Korea has the worse gender pay gap than any other wealthy nation country.

(Photo: A protester with red paint on her face, resembling blood splatters and bloody handprints during a rally in solidarity with Iranian protests, in Berlin, Germany. Credit: CLEMENS BILAN/EPA).

**THU 22:00 BBC News (w172ykqg1d438kr)**

The latest five minute news bulletin from BBC World Service.

**THU 22:06 The Newsroom (w172yrx6l9tt8mb)**

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

**THU 22:20 Sports News (w172yghcn3rcm1)**

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

**THU 22:30 BBC News Summary (w172ykr8h3qsmv4)**

The latest two minute news summary from BBC World Service.

**THU 22:32 World Business Report (w3ct3g74)**

Stock markets volatile after Bank of England raises interest rates

The Bank of England has increased interest rates again -- for the ninth time in a row -- as part of efforts to counter inflation. The basic rate is going up by half of one per cent -- to three and a half per cent. Meanwhile the European Central Bank has also increased its main interest rate by 0.5% to 2.5% - following Wednesday's rise by the US Federal Reserve. It all leads to stock market falls over the world - we explain why.

Plus we're in the US where Washington DC could soon become the largest city in the country to introduce free bus travel.

Photo credit: John Walton/PA Wire

**THU 23:00 BBC News (w172ykqg1d43d9w)**

The latest five minute news bulletin from BBC World Service.

**THU 23:06 The Inquiry (w3ct39v1)**

[Repeat of broadcast at 08:06 today]

**THU 23:30 BBC News Summary (w172ykr8h3qsr18)**

The latest two minute news summary from BBC World Service.

**THU 23:32 The Food Chain (w3ct38nx)**

[Repeat of broadcast at 04:32 today]

**FRIDAY 16 DECEMBER 2022****FRI 00:00 BBC News (w172ykqg1d43j20)**

The latest five minute news bulletin from BBC World Service.

**FRI 00:06 The Forum (w3ct38tf)**

[Repeat of broadcast at 10:06 on Thursday]

**FRI 00:50 Sporting Witness (w3ct36gl)**

[Repeat of broadcast at 10:50 on Thursday]

**FRI 01:00 BBC News (w172ykqg1d43mt4)**

The latest five minute news bulletin from BBC World Service.

**FRI 01:06 Business Matters (w172ydq725k3jqh)**

The problem with pay

In the UK, some Nurses in the Government-funded National Health Service are the latest group to take action over pay. The Royal College of Nursing wants a 19 percent pay rise and says below inflation increases are compromising care by making it hard to attract and retain nurses. But the government says that's not affordable. It's the latest in a series of strikes and we look at how the public and private sectors across the world are tackling the issue of fair pay.

Elsewhere we hear from Qatar, and ask what the World Cup has meant for the country's future.

Plus Avatar - which opens this weekend in cinemas around the globe. Just how important is it for the future of cinema?

Devina Gupta is joined by James Mayger in Beijing and Gaby Castro in Uruguay.

Photo credit: Stefan Rousseau/PA Wire

**FRI 02:00 BBC News (w172ykqg1d43rk8)**

The latest five minute news bulletin from BBC World Service.

**FRI 02:06 The Newsroom (w172yl82fsh335n)**

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

**FRI 02:30 BBC News Summary (w172ykr8h3qt3tn)**

The latest two minute news summary from BBC World Service.

**FRI 02:32 World Football in Qatar (w3ct3hr4)**

Looking ahead to the World Cup final

Will Lionel Messi finally lift the World Cup trophy? We look ahead to France v Argentina and hear from Messi's former team-mate Pablo Zabaleta. Mani Djazmi and Pat Nevin are joined by L'Equipe journalist Loïc Tanzi and Argentinean broadcaster Francisco Cánepa ahead of the final. And, as a bonus for podcast listeners, World Cup winner Cesc Fabregas explains what it was like to get his hands on the most famous trophy in football.

Picture on website: Pyrotechnics explode around a giant FIFA World Cup trophy prior to the semi final match between France and Morocco. (Photo by Buda Mendes/Getty Images)

**FRI 03:00 BBC News (w172ykqg1d43w9d)**

The latest five minute news bulletin from BBC World Service.

**FRI 03:06 Outlook (w3ct34x2)**

[Repeat of broadcast at 12:06 on Thursday]

**FRI 03:50 Witness History (w3ct3c21)**

[Repeat of broadcast at 08:50 on Thursday]

**FRI 04:00 BBC News (w172ykqg1d4401j)**

The latest five minute news bulletin from BBC World Service.

**FRI 04:06 The Newsroom (w172yl82fsh3bnx)**

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

**FRI 04:30 BBC News Summary (w172ykr8h3qtc9x)**

The latest two minute news summary from BBC World Service.

**FRI 04:32 Heart and Soul (w3ct424b)**

The Iran protests

Iran has seen months of protests following the death of 22-year-old Mahsa Amini who was detained by the country's 'morality police' (Gash-e Ershad) on 16 September, three days after her arrest in Tehran. As women-led protests intensify, with calls for freedom against strict dress codes and mandatory hijab, and demands for regime change, Heart and Soul brings together three Iranian women from different walks of life. The BBC's Faranak Amidi leads the conversation which explores religion, personal faith and the struggle for independence from state-controls on religious practices.

Image: An Iranian flag (Credit: Jasmin Merdan/Getty Images)

**FRI 05:00 BBC News (w172ykqg1d443sn)**

The latest five minute news bulletin from BBC World Service.

**FRI 05:06 Newsday (w172yf8wtd34rg2)**

Ukraine says Russia planning major ground offensive

The Ukrainian government says it believes Russia is planning to launch a large ground offensive against it early in the New Year.

A landslide that engulfed a campsite close to the Malaysian capital, Kuala Lumpur, is now known to have killed at least 13 people.

And Twitter has closed the accounts of a number of journalists working for high-profile outlets including CNN, the New York Times and the Washington Post.

**FRI 06:00 BBC News (w172ykqg1d447js)**

The latest five minute news bulletin from BBC World Service.

**FRI 06:06 Newsday (w172yf8wtd34w66)**

Ukraine: 'Russia preparing large-scale offensive'

The Ukrainian government says it believes Russia is planning to launch a large ground offensive against it early in the New Year. President Volodymyr Zelensky and senior officials have warned against complacency, despite recent Russian military setbacks.

At least 13 people have been killed by a landslide that struck a campsite in Selangor state, on the outskirts of the Malaysian capital, Kuala Lumpur.

And Morocco prepares to face Croatia, hoping to finish third in this World Cup.

**FRI 07:00 BBC News (w172ykqg1d44c8x)**

The latest five minute news bulletin from BBC World Service.

**FRI 07:06 Newsday (w172yf8wtd34zyb)**

ANC to elect party leader

South Africa's governing African National Congress (ANC) opens its national conference shortly, during which President Cyril Ramaphosa hopes to be re-elected as party leader. Mr Ramaphosa escaped an impeachment inquiry in parliament earlier this week. His main leadership rival will be the former health minister, Zweli Mkhize, who has also been the subject of corruption allegations.

And Twitter has closed the accounts of a number of journalists working for high-profile outlets including CNN, the New York Times and the Washington Post. Most had written about the takeover of the firm by Elon Musk.

**FRI 08:00 BBC News (w172ykqg1d44h11)**

The latest five minute news bulletin from BBC World Service.

**FRI 08:06 HARDtalk (w3ct32gx)**

Wes Streeting: Is Britain ready for a new government?

British nurses are striking, and the health service is in trouble. Stephen Sackur speaks to Wes Streeting, a rising star of the UK's Labour party and their shadow health secretary. Does Labour have a credible plan to fix public services and save the UK from a winter of economic discontent?

**FRI 08:30 BBC News Summary (w172ykr8h3qtv9f)**

The latest two minute news summary from BBC World Service.

**FRI 08:32 Business Daily (w3ct30sq)**

Money jobs: Inside the auction house

It's the last episode in our five-part Business Daily series all about high value, high transaction jobs you might read about, see on the TV or glamorised in films. In episode five Leanna Byrne interviews some of the oldest and most well-known auction houses in the world.

Bruno Vinciguerra, chief executive of Bonhams, tells us how auctioneers determine what's worth auctioning off and what's not.

Jenny Lok, head of business development and operations at Poly Auction Hong Kong, tells us what the day in the life of an auctioneer is really like.

And Kelly Crow, staff reporter for The Wall Street Journal, gives an insight into who's buying all of this really expensive stuff?

Presenter / Producer: Leanna Byrne

Image: Jenny Lok; Credit: Poly Auction Hong Kong

**FRI 08:50 Witness History (w3ct3bxj)**

Felix Baumgartner's huge leap

In October 2012, skydiver and former Austrian paratrooper Felix Baumgartner was watched live by millions as he ascended into the stratosphere in a helium balloon. He then jumped an estimated 38km from space back to earth.

In doing so, he broke the speed of sound and the highest skydive record that had lasted more than 50 years. Felix tells Dan Hardoon about his big leap.

A Whistledown production for BBC World Service.

(Photo: Felix Baumgartner jumping from space. Credit: Getty Images)

**FRI 09:00 BBC News (w172ykgg1d44ls5)**

The latest five minute news bulletin from BBC World Service.

**FRI 09:06 The Newsroom (w172yl82fsh3ydk)**

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

**FRI 09:30 BBC News Summary (w172ykr8h3qtz1k)**

The latest two minute news summary from BBC World Service.

**FRI 09:32 Tech Tent (w3ct4khw)**

The law catches up with Sam Bankman-Fried

Sam Bankman-Fried is arrested and charged days after telling our reporter Joe Tidy he was confident he would avoid prosecution. We discuss the question Joe asked Sam - has he killed crypto?

Also this week: the dismayed reaction of the global charities that sat on Twitter's now disbanded Trust and Safety Council. As China goes to the World Trade Organisation over the USA's restrictions on its semi-conductor industry, we ask if there is any end in sight to the so-called chip wars. And, the actor Andonis Anthony on what is it like bringing a video game character to life.

**FRI 10:00 BBC News (w172ykgg1d44qj9)**

The latest five minute news bulletin from BBC World Service.

**FRI 10:06 The Real Story (w3ct33pz)**

A tough winter for Ukraine as Russia exploits the cold

As the war continues and winter sets in, Russia is targeting Ukraine's energy infrastructure with waves of missile and drone strikes, at times cutting off electricity for millions of civilians. How are the Ukrainian people coping? Does Ukraine's military have enough weaponry and manpower to defeat the Russians? Or could the war become a more drawn-out conflict, with neither side capable of making a decisive breakthrough?

Ritula Shah is joined by a panel of experts:

Natalie Jaresko - Ukraine's minister for finance from 2014 – 2016. Currently chair of the Aspen Institute, Kyiv

Kataryna Wolczuk - Associate fellow of Chatham House think tank's Russia and Eurasia programme and professor of East European Politics at University of Birmingham

Retired Major General Gordon 'Skip' Davis - NATO's Deputy Assistant Secretary General for Defense Investment Division from 2018-2021.

Also featuring : Alexei Sandakov, a resident of Kherson & Andrei Soldatov, a Russian investigative journalist and security expert

Producers: Rumella Dasgupta and Ellen Otzen

(Photo: A Ukrainian armored vehicle is seen on the streets in Bakhmut; Credit : Diego Herrera Carcedo/Anadolu Agency via Getty Images)

**FRI 11:00 BBC News (w172ykgg1d44v8f)**

The latest five minute news bulletin from BBC World Service.

**FRI 11:06 The Newsroom (w172yl82fsh45wt)**

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

**FRI 11:30 BBC News Summary (w172ykr8h3qv6jt)**

The latest two minute news summary from BBC World Service.

**FRI 11:32 World Football in Qatar (w3ct3hr4)**

[Repeat of broadcast at 02:32 today]

**FRI 12:00 BBC News (w172ykgg1d44z0k)**

The latest five minute news bulletin from BBC World Service.

**FRI 12:06 The Fifth Floor (w3ct3808)**

Who is Yevgeny Prigozhin?

Yevgeny Prigozhin is the head of the Russian mercenary group Wagner, a role that he denied until September. Andrei Zakharov of BBC Russian has been investigating the story of Mr Prigozhin for many years, and he shares his insights.

Qatar cultural exchange

As the Arab world's first football World Cup concludes, the BBC's Lina Shaikhouni shares her impressions of the cultural exchanges the event has witnessed, from traditional local dress made up in team colours, to stadiums designed to echo desert tents.

New York's migrant crisis

New York City has extended the state of emergency declared in October to address an "unprecedented humanitarian crisis" over an influx of migrants. Most of the migrants are Venezuelans who spent months making the difficult journey to reach the United States. BBC Mundo's Analia Llorente went to New York to find out why the migrants have come to the city.

The freed Burmese prisoner and his cats

Burmese pro-democracy activist Mya Aye was among thousands of prisoners released a few weeks ago by the military. His return home was welcomed not only by friends and family, but by his 34 cats. BBC Burmese editor Soe Win Than tells us his story.

The endangered saffron fields of Kashmir

The purple fields of saffron that used to blanket the landscape in Indian-administered Kashmir in the harvest season are under threat. The crop has been affected by climate change and modern farming methods. Riyaz Masroor went to the fields to report for BBC Urdu.

(Photo: Yevgeny Prigozhin attends a meeting with foreign investors at Konstantin Palace. Credit: Mikhail Svetlov/Getty Images).

**FRI 12:50 Witness History (w3ct3bxj)**

[Repeat of broadcast at 08:50 today]

**FRI 13:00 BBC News (w172ykgg1d452rp)**

The latest five minute news bulletin from BBC World Service.

**FRI 13:06 The Newsroom (w172yl82fsh4fd2)**

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

**FRI 13:30 BBC News Summary (w172ykr8h3qvg12)**

The latest two minute news summary from BBC World Service.

**FRI 13:32 Science In Action (w3ct36b2)**

[Repeat of broadcast at 20:32 on Thursday]

**FRI 14:00 BBC News (w172ykgg1d456ht)**

The latest five minute news bulletin from BBC World Service.

**FRI 14:06 Newshour (w172yfcc4kx7rg3)**

Russia attacks Ukraine's power and water

Russia has launched a new wave of missile strikes against civilian targets across Ukraine. From the city of Kharkiv, a young mother tells Newshour about the "endless torture" of war and about life with no power or water.

Also in the programme: As cocaine production grows worldwide, we have a report from Europe's smuggling gateway; and why Elon Musk has banned some US journalists from Twitter.

(Photo: People shelter in a subway station during an air raid alert in Kyiv Ukraine, 16 December 2022. A wave of Russian missile attacks on 16 December targeted the Ukrainian capital Kyiv and other parts of the country. Russian troops on 24

February entered Ukrainian territory, starting a conflict that has provoked destruction and a humanitarian crisis. Credit: Oleg Petrasyuk /EPA-EFE/REX/Shutterstock)

**FRI 15:00 BBC News (w172ykgg1d45b7y)**

The latest five minute news bulletin from BBC World Service.

**FRI 15:06 HARDtalk (w3ct32gx)**

[Repeat of broadcast at 08:06 today]

**FRI 15:30 BBC News Summary (w172ykr8h3qvpjb)**

The latest two minute news summary from BBC World Service.

**FRI 15:32 World Business Report (w3ct3fzv)**

Chinese companies open their books to US regulators

Roger Hearing has the latest as more than 200 Chinese companies open their books to US regulators, to avoid being kicked off the US stock market. The Head of Gas, Coal and Power markets at the International Energy Agency joins World Business Report to explain why global coal consumption is set to rise to an all-time high in 2022, and former US President Donald Trump launches a series of NFTs in the style of digital trading cards.

(Image: US dollar and Chinese yuan, credit: Getty Images)

**FRI 16:00 BBC News (w172ykgg1d45g02)**

The latest five minute news bulletin from BBC World Service.

**FRI 16:06 BBC OS (w172yg1xxwglvc4)**

Berlin aquarium explosion

A giant aquarium containing a million litres of water in the lobby of Radisson Blu in Berlin has burst, flooding the hotel and nearby streets. The vast majority of the fish died. We speak to two hotel guests who witnessed the explosion.

We ask South Africans what they think about President Ramaphosa who – after escaping an impeachment inquiry in parliament – now hopes to be re-elected as party leader in the national conference of the governing ANC.

And we continue our week covering workers across the world on strike. Today we hear from a train conductor and a track maintenance worker in the US.

Ahead of Sunday's final between Argentina and France, the president of football's governing body, FIFA, Gianni Infantino says the Qatar tournament has been "the best World Cup ever". We ask our correspondent Shaimaa Khalil in Doha what the fans have been telling her.

(Photo: A fire fighter checks the damaged entrance of a hotel after a burst and leak of the AquaDom aquarium in Berlin, Germany, 16 December 2022. Credit: FILIP SINGER/EPA-EFE/REX/Shutterstock)

**FRI 17:00 BBC News (w172ykgg1d45kr6)**

The latest five minute news bulletin from BBC World Service.

**FRI 17:06 BBC OS (w172yg1xxwglz38)**

World Cup 2022 final: Messi v Mbappe

Argentina's Lionel Messi will go head-to-head with France's Kylian Mbappe in Sunday's World Cup final in Qatar. We speak to fans from France and Argentina about their superstars and what they hope will happen.

Russia has launched a new wave of missile strikes against energy targets across Ukraine. We speak to our correspondent in the country.

A new report has found that more than a third of executions in the US this year were botched or highly problematic. We find out more from a reporter in Washington.

And we continue our week covering workers across the world on strike. Today we hear from a train conductor and a track maintenance worker in the US.

(Photo: Lionel Messi of PSG celebrates with Kylian Mbappe after scoring a goal during the UEFA Champions League group H match between Paris Saint-Germain and Maccabi Haifa in Paris, France, 25 October 2022. Credit: CHRISTOPHE PETIT TESSON/EPA-EFE/REX/Shutterstock )

**FRI 18:00 BBC News (w172ykgg1d45phb)**

The latest five minute news bulletin from BBC World Service.

**FRI 18:06 The Fifth Floor (w3ct3808)**

[Repeat of broadcast at 12:06 today]

**FRI 18:50 Witness History (w3ct3bxi)**

[Repeat of broadcast at 08:50 today]

**FRI 19:00 BBC News (w172ykqg1d45t7g)**

The latest five minute news bulletin from BBC World Service.

**FRI 19:06 The Newsroom (w172y182fsh54vv)**

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

**FRI 19:30 BBC News Summary (w172ykr8h3qw5hv)**

The latest two minute news summary from BBC World Service.

**FRI 19:32 Sport Today (w3ct4l5d)**

2022/12/16 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 (w172ykqg1d45xzl)**

The latest five minute news bulletin from BBC World Service.

**FRI 20:06 Tech Tent (w3ct4khw)**

[Repeat of broadcast at 09:32 today]

**FRI 20:30 BBC News Summary (w172ykr8h3qw97z)**

The latest two minute news summary from BBC World Service.

**FRI 20:32 CrowdScience (w3ct3j7y)**

What is friction?

CrowdScience listener David was playing snooker in Thailand when he started thinking how such a smooth ball was dependent on the rough green baize of the table to bring it to a stop. Would it be possible to play snooker at all in a completely frictionless universe?

Sometimes friction produces heat. Could we ever control it completely?

We try to reduce friction in some cases by using lubricants, whilst at other times like braking at a traffic junction we depend upon friction entirely. Anand Jagatia heads to Edinburgh in Scotland, UK, to meet some true masters of this mysterious entity: players of the winter sport Curling. What exactly is friction, and does thinking about it tell us something deeper about the universe?

Taking part:

Jennifer Dodds, Team GB Olympic Gold medallist

Dave Lieth, Head of performance services, British Curling

Susan Perkin, Professor of Physical Chemistry, University of Oxford

Roger Lewis, Professor of Mechanical Engineering, University of Sheffield

Presented by Anand Jagatia

Produced by Alex Mansfield

With thanks to David for his question.

[Image: curling. Credit: Getty Images]

**FRI 21:00 BBC News (w172ykqg1d461qq)**

The latest five minute news bulletin from BBC World Service.

**FRI 21:06 Newshour (w172yfec4kx8lp0)**

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

**FRI 22:00 BBC News (w172ykqg1d465gv)**

The latest five minute news bulletin from BBC World Service.

**FRI 22:06 The Newsroom (w172yrx6l9tx5jf)**

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

**FRI 22:20 Sports News (w172yghcn3v8j4)**

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

**FRI 22:30 BBC News Summary (w172ykr8h3qwr7)**

The latest two minute news summary from BBC World Service.

**FRI 22:32 World Business Report (w3ct3fy3)**

Auditor withdraws from working with crypto company as customers scramble to pull funds

World's largest cryptocurrency exchange, Binance has revealed that the auditor Mazars has stopped working with it following \$6bn withdrawals this week.

Earlier in the week, Binance experienced over \$1bn worth of redemptions as fears mounted over the future of the crypto market.

As the month-long FIFA World Cup tournament draws to a close, we evaluate how the competition not only proved to be a tourism boom for host Qatar but also for neighbour – the UAE and in particular – Dubai.

(Binance is the world's largest cryptocurrency exchange. Credit: Reuters)

**FRI 23:00 BBC News (w172ykqg1d4696z)**

The latest five minute news bulletin from BBC World Service.

**FRI 23:06 HARDtalk (w3ct32gx)**

[Repeat of broadcast at 08:06 today]

**FRI 23:30 BBC News Summary (w172ykr8h3qwnhc)**

The latest two minute news summary from BBC World Service.

**FRI 23:32 World Football in Qatar (w3ct3hr4)**

[Repeat of broadcast at 02:32 today]