

SATURDAY 24 DECEMBER 2022**SAT 00:00 BBC News (w172ykqgdnfzkky)**

The latest five minute news bulletin from BBC World Service.

SAT 00:06 Business Daily (w3ct30tm)

Review of 2022

Business Daily reviews one of the most important 12 months for the world of money and work on record. Big economic news has dominated in 2022. We saw war break out in Europe, record high energy, fuel and food prices, increasing interest rates and in parts of the world total financial meltdown.

We look at how Business Daily reported 2022 and spoke to the people at the very sharp end of how the economy has changed lives over the past 12 months.

We hear from businesses right across the world in sectors struggling with prices rises and increasing costs, from the people trying to escape or rebuild broken economies and from those who are harnessing new technology and an ever changing work environment to make money or push for change.

We also saw many sectors bounce back post-Covid, the return of travel and tourism to many countries, sporting events were once again played to full capacity crowds and festivals, concerts and cinema bounced back as audiences came back and spent their cash.

We also look to the year ahead and what might be in store in 2023.

Presenters: Leanna Byrne and Rahul Tandon
Producer: Izzy Greenfield
Editors: Carmel O'Grady and Helen Thomas

SAT 01:00 BBC News (w172ykqgdnfzpb2)

The latest five minute news bulletin from BBC World Service.

SAT 01:06 Business Matters (w172ydyq7ffvzl7f)

US congress passes \$1.7tn spending bill

What can one-point-seven-trillion-dollars get you? It can get you a functioning US government, for a start. Congress has just given final approval to the huge spending bill, just hours before the government would have had to shut down for lack of funds. The bill incorporates the Biden administration's plans to boost domestic spending. It also supports Ukraine's defence effort and reforms US election law. Republicans have condemned the package as a monstrosity, complaining that it contains wasteful spending commitments without addressing their priorities, such as boosting security on the border with Mexico.

The oil company Shell has agreed to pay nearly 16 million dollars in compensation to communities in Nigeria that were affected by multiple oil spills from pipelines in the Niger Delta. The money will benefit the Nigerian communities of Oruma, Goi and Ikot Ada Udo, that were impacted by four oil spills between 2004 and 2007.

As we reported here yesterday, a "bomb cyclone" - a massive winter storm system is currently expanding across the United States, threatening to upend the travel plans of millions of Americans. Together with snow blizzards and freezing temperatures, local authorities are trying to deal with electricity cuts and protect everyone's Christmas.

(Picture: United States Capitol West Facade with Fountain and Flowers. Picture Credit: Getty Images)

SAT 02:00 BBC News (w172ykqgdnfzt26)

The latest five minute news bulletin from BBC World Service.

SAT 02:06 The Newsroom (w172yl82t1sz4pl)

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

SAT 02:30 BBC News Summary (w172ykr8vd1p5bl)

The latest two minute news summary from BBC World Service.

SAT 02:32 Stumped (w3ct371p)

Gillespie: Shane Warne, the BBL and Men's Ashes

Alison Mitchell, Jim Maxwell and Charu Sharma are joined by Adelaide Strikers Head Coach Jason Gillespie. His side created history by bowling out Sydney Thunder for just 15 runs in the Big Bash. He discusses the future of the BBL and the growth of T20 cricket around the world. He also tells us how he thinks England men will get on in next year's Ashes, pays tribute to his dear friend Shane Warne and shares who inspires him the most as a coach.

Plus we discuss the incredible Test debut of England's 18 year old Rehan Ahmed who became the youngest Test cricketer to take a five-wicket haul on debut.

And Charu Sharma tells us that England's Sophie Ecclestone is the finest spinner right now in women's cricket.

Photo: Jason Gillespie, coach of the Strikers looks on from the dugout during the Big Bash League match between the Perth Scorchers and the Adelaide Striker. (Credit: Getty Images)

SAT 03:00 BBC News (w172ykqgdnfzxtb)

The latest five minute news bulletin from BBC World Service.

SAT 03:06 The Fifth Floor (w3ct3809)

Can saying fool land you in jail?

Last week Istanbul's Mayor Ekrem Imamoglu was sentenced to two years seven months in jail and banned from taking part in politics. It's not clear if his sentence will be ratified by two higher courts, but his crime was to call Turkey's election officials 'fools' after the rerun 2019 mayoral elections, though many believe it has more to do with next year's presidential elections. BBC Monitoring journalist Dilay Yalcin in Istanbul unpicks the story.

Meeting Thailand's leading transgender business mogul Thai transgender businesswoman and transgender advocate Anne Jakkaphong Jakrajutapit has made history as the first trans woman owner of the Miss Universe Organisation. BBC Thai's Tossapol Chaisamritpol has interviewed her about her ambitions for the pageant, and her own life experiences.

Reporting and running BBC Arabic reporter Murad Shishani is often on the road, covering stories from conflict in Gaza to presidential campaigns in Iowa. But wherever he is, he keeps his spirits and energy levels up by running. Murad shares some of those runs with us.

Brazil and K-culture

If you're a fan of K-pop or K-dramas you're not alone. Award-winning films like Parasite, bands like BTS, and Korean dramas like Squid Game are global successes, part of what's been called Hallyu, or Korean Wave. It's a big wave in Brazil, and BBC Brasil's Shin Suzuki decided to take a closer look at the appeal of K-culture. We paired him with BBC Korean's Julie Yoonnyung Lee to fill in the South Korean side of the equation.

BBC 100: Triumph against the odds

Yetunde Olugbenga of BBC Yoruba starts a new series of stories shared by journalists from our language services who've faced big challenges in their lives and careers. They have told their stories in schools in order to encourage and inspire the next generation, as a way of marking the BBC centenary. Yetunde tells us how she overcame sexual harassment from a college lecturer.

(Photo: People gather at Sarachane in support of Ekrem Imamoglu who has been sentenced to prison. Credit :Hakan Akgun /dia image via Getty Images).

SAT 03:50 Witness History (w3ct3bxbk)

Chile mine rescue

On 5 August 2010, 33 miners were trapped underground after a rockfall in the San José copper and gold mine in Chile.

They were rescued 69 days later.

Rachel Naylor speaks to one of the miners, Mario Sepúlveda, who was nicknamed Super Mario by the media.

(Photo: Mario Sepúlveda, in the centre, celebrates being rescued from the mine on 13 October 2010. Credit: Rodrigo Arangua / AFP via Getty Images)

SAT 04:00 BBC News (w172ykqgdn01kg)

The latest five minute news bulletin from BBC World Service.

SAT 04:06 The Reith Lectures (w3ct4l3m)

The four freedoms: Freedom from fear

In the last in a series of four lectures examining what freedom means, the foreign affairs and intelligence expert Dr Fiona Hill, gives her BBC Reith Lecture on freedom from fear. Dr Hill is one of the world's leading experts on Russia, and served as director for European and Russian affairs on President Trump's National Security Council, and in senior intelligence roles for both Presidents Bush and Obama. She will talk about the fear she felt growing up as a teenager in the Cold War and living with the threat of nuclear war. Then, the culture of fear was about the Soviet Union, a largely unknown enemy. Forty years later, have we come full circle? She also analyses Russia's war

in Ukraine, and what it means for the world.

The programme and question-and-answer session is recorded at John Hopkins University in Washington DC in front of an audience. The presenter is Anita Anand.

SAT 05:00 BBC News (w172ykqgdn059l)

The latest five minute news bulletin from BBC World Service.

SAT 05:06 The Newsroom (w172yl82t1szhxx)

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

SAT 05:30 BBC News Summary (w172ykr8vd1pjkz)

The latest two minute news summary from BBC World Service.

SAT 05:32 Kalki Presents: My Indian Life (w3ct4kg5)

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 (w3ct3k5r)

What are the numbers of 2022?

Tim Harford discusses the numbers that help explain some of the biggest stories of the year, including the war in Ukraine, soaring inflation and a breakthrough for women's football.

His guests are Olga Ivshina, correspondent for the BBC Russian service; Chris Giles, economics editor of the Financial Times; Linda Bauld, professor of public health at the University of Edinburgh and Georgina Sturge, author and House of Commons statistician.

Presenter: Tim Harford
Producer: Jon Bithrey
Editor: Simon Watts
Production Coordinator: Brenda Brown
Studio Engineer: James Beard

(Miniature flags of Ukraine bear the names of Ukrainian military who died defending Mariupol./Getty Images)

SAT 06:00 BBC News (w172ykqgdn091q)

The latest five minute news bulletin from BBC World Service.

SAT 06:06 Weekend (w172ykw4nnlmdy)

US storm causes disruption

Around 250 million people in the US and Canada are under severe weather warnings, as an unprecedented winter storm sweeps across North America. From Alaska to Texas, bone-chilling temperatures, blizzards and icy winds have caused widespread disruption.

Also in the programme: China's changing Covid policy; and decreasing polar bear numbers.

Joining Krupa Padhy to discuss these and other stories are Myriam Francois, a Franco-British journalist and film-maker based in London; and Seyi Rhodes television reporter and investigative journalist.

(Photo: People are bundled up against sub-freezing temperatures and blowing snow in Chicago. CREDIT: EPA/TANNEN MAURY)

SAT 07:00 BBC News (w172ykqgdn0dsv)

The latest five minute news bulletin from BBC World Service.

SAT 07:06 Weekend (w172ykw4nnlr52)

What next for female Afghan students?

Predominantly Muslim countries - including Saudi Arabia, Iran, Turkey and the Gulf states - have criticised the decision by the Taliban government in Afghanistan to stop women attending universities. The Saudi foreign ministry said Afghanistan should abide by Islamic principles regarding women's rights.

Also in the programme, reflections on two big stories of the past week: Benin Bronzes returned to Nigeria; and Argentina celebrate World Cup win.

Joining Krupa Padhy to discuss these and other stories are Myriam Francois, a Franco-British journalist and film-maker based in London; and Seyi Rhodes television reporter and investigative journalist.

(Photo: Taliban stand guard outside Kabul University in Kabul, Afghanistan. CREDIT: EPA/STRINGER)

SAT 08:00 BBC News (w172ykgdng0jjz)

The latest five minute news bulletin from BBC World Service.

SAT 08:06 Weekend (w172ykw4nnlvx6)

Women assaulted in prison in Iran

The BBC has been given details of sexual and physical abuse of women detained during recent anti-government protests in Iran. The human rights activist Narges Mohammadi sent a letter from prison to the BBC detailing recent cases of women protesters who had been taken to the notorious Evin prison in Tehran. She said the assault of women has been used as a tool of oppression before by the Iranian authorities, but it has become more widespread during the latest protests.

Also in the programme: Bethlehem prepares for Christmas; and we explore married life amidst the war in Ukraine.

Joining Krupa Padhy to discuss these and other stories are Myriam Francois, a Franco-British journalist and film-maker based in London; and Seyi Rhodes television reporter and investigative journalist.

(Photo: A police motorcycle burns during a protest over the death of Mahsa Amini, in Tehran, Iran. CREDIT: WANA (West Asia News Agency) via REUTERS/File Photo/File Photo)

SAT 08:30 BBC News Summary (w172ykr8vd1pwte)

The latest two minute news summary from BBC World Service.

SAT 08:32 The Dark Is Rising (w3ct4lzs)

5. The Book of Gramarye

It is Christmas Eve and Will has been transported to a different time, 1875. Hawkin risks his life to break a spell and free a tome of ancient knowledge. The book speaks of hidden things - of real magic, of rocks and trees and stars. Listen on headphones for 3D immersive sound. #TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney
Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

SAT 08:50 Sporting Witness (w3ct36gm)

The Mongol Rally: Racing in one of the greatest road trips on Earth

In 2004 the Mongol Rally was created; a global road trip where drivers race over 16,000 km from England to Mongolia. There's no set route and you have to use a car with a tiny engine.

A year later it was introduced to the wider world for the first time and Richard Birch from England took on the challenge with his friends, all in an old Fiat Panda.

Richard tells Vicky Carter about his memories of the journey across Europe, Russia and Asia.

(Photo: Two cars competing in the Mongol Rally in 2004 in Mongolia. Credit: The Adventurists)

SAT 09:00 BBC News (w172ykgdng0n93)

The latest five minute news bulletin from BBC World Service.

SAT 09:06 BBC OS Conversations (w3ct418k)**Ukrainians at Christmas**

Since Russia invaded Ukraine in February, the United Nations estimates that seven thousand civilians have been killed and more than 10,000 people have been injured. For millions of people across Ukraine, air raids, blackouts and cuts to water supplies are a daily reality.

Over the past ten months, we've been hearing from people in the country about their experiences of living through the war and, as Christmas approaches, we wanted to catch-up with some of them.

Marharyta who lives in Vinnitsya tells host James Reynolds that for the whole year she has experienced "a feeling of fear" but "they will never give up." She's joined in conversation with Daniel, Lidia and Yulia, who describes her thoughts whenever a Russian missile passes over her house near Kyiv. They share their feelings about the prospect of Christmas, the challenge of maintaining traditions and the festive music that unites them.

Some eight million people have left Ukraine since the start of the war; and we make contact again with three Ukrainians adjusting to life far from home. Tania, now studying in Spain, describes the fear she experiences every time she sees an aircraft. Sonia, now in the US, tells us about how her three-year-old daughter is struggling to communicate at her new nursery. Viktoriia, who's 13-year-old son is at school in the UK, offers her some advice.

(Photo: Artist Daniel Skripnik working during a blackout in Kyiv. Credit: Daniel Skripnik)

SAT 09:30 BBC News Summary (w172ykr8vd1q0kh)

The latest two minute news summary from BBC World Service.

SAT 09:32 Pick of the World (w3ct41xv)

With the Christmas post, comes hope in Ukraine

Why the postal service brings hope in Ukraine, what next for Iranian protesters? And are we really in a post-Covid world? Plus your news wishes for 2023.

SAT 09:50 Over to You (w3ct35t9)

Ask the controller 2022: Part one

The controller of BBC World Service English, Jon Zilkha, responds to your comments, views and questions - be they favourable or critical, in the first of a two-part special edition of Over to You.

It has been yet another tumultuous year all over the world and the BBC World Service's job has been to reflect that - but also to provide insight and diversion from the current affairs agenda. So how well do you think they are fulfilling that brief?

Presenter: Rajan Datar
Producer: Howard Shannon.
A Whistledown production for BBC World Service

SAT 10:00 BBC News (w172ykgdng0s17)

The latest five minute news bulletin from BBC World Service.

SAT 10:06 Sportshour (w3ct363b)

The secrets of Norway's sporting success

Is there something in the water, in the mountains, in the fjords of Norway that creates super human athletes?

Norway is the most successful Winter Olympic nation of all time yet they had a surprisingly successful Summer Games in Tokyo. Norway won gold on the track in world record time, the fastest Paralympian on earth is Norwegian, they even picked up gold in beach volleyball! They also have one of the most sought after players in men's football in Erling Haaland, and Ada Hegerberg is an icon of the women's game. Norway have just had their first tennis grand slam finalist and boast the reigning chess world champion too.

Another chance to hear Katie Smith as she investigates what we can learn from the secrets of how this small nation famed for its skiing and snow has also found the formula for gold in the summer Games and beyond.

PHOTO: Norway's Karsten Warholm reacts after winning and breaking the world record in the men's 400m hurdles final during the Tokyo 2020 Olympic Games at the Olympic Stadium in Tokyo on August 3, 2021. (Credit: JAVIER SORIANO/AFP via Getty Images)

SAT 11:00 BBC News (w172ykgdng0wsc)

The latest five minute news bulletin from BBC World Service.

SAT 11:06 The Newsroom (w172y182t1t07dr)

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

SAT 11:30 BBC News Summary (w172ykr8vd1q81r)

The latest two minute news summary from BBC World Service.

SAT 11:32 The Climate Question (w3ct3kk0)

Was the 2022 World Cup as green as it seemed?

Back in 2010, FIFA announced that the tiny country of Qatar would host the 2022 World Cup. It would be the first Middle Eastern country to do so. The tournament has seen thousands of fans travel to see it, with millions tuning in around the world. But it hasn't been without controversy.

The event's organisers claimed that it would be the first fully carbon-neutral World Cup. A big new solar park was built, fleets of electric buses were released onto the roads and climate-friendly projects were set up to offset emissions.

Some say that organisers are trying to do the right thing. But others are critical, arguing that emissions have been underestimated and that the carbon-neutral claim is misleading.

This episode dives into the debate and asks if the 2022 World Cup was really as green as it seemed.

Presenters Graihagh Jackson and Luke Jones are joined by: Rumaitha Al Busaidi, Omani football pundit and climate change activist
Khaled Diab, Communications Director at not-for-profit Carbon Market Watch
Zach Banzon, goalkeeper for Kaya FC in the Philippines and "Team Player" for We Play Green
Peter Ball, Journalist, BBC World Service

Producers: Lilly Freeston and Sophie Eastaugh
Researcher: Natasha Fernandes
Production Coordinators: Helena Warwick-Cross and Siobhan Reed
Series Producer: Alex Lewis
Editor: Richard Fenton-Smith
Sound Engineer: Tom Brignell

SAT 12:00 BBC News (w172ykgdng10jh)

The latest five minute news bulletin from BBC World Service.

SAT 12:06 The Documentary (w3ct4lyz)

Nelson Mandela: A legacy in music

Joan Armatrading considers herself privileged to have met Nelson Mandela and to have written and performed a song for him - The Messenger. In this programme she traces Mandela's life through his all-important love of music, from his early days as a keen dancer to his maturity on the world stage as the first fully democratically elected President of South Africa - an event celebrated in music all over the world. In between, during Mandela's struggle against apartheid and his long imprisonment, he inspired astonishing music of protest - some of the best ever to come out of South Africa. The story is told through many of those wonderful tracks, archive from the days of struggle and with the help of South African actor Jack Klaff and South African expert, Dr Wayne Dooling.

(Photo: Former South African president Nelson Mandela in Leeds Monday 30 April 2001. Credit: John Giles/PA)

SAT 13:00 BBC News (w172ykgdng148m)

The latest five minute news bulletin from BBC World Service.

SAT 13:06 Newshour (w172yfcchv73p6x)

Millions without power in North America

Five million American homes and businesses are without power. We speak to a meteorologist. Also in the program, in France, there have been angry scenes on the streets of Paris where Kurdish demonstrators have again been protesting at the lack of security which they say led to the deaths of three of their community on Friday.

(Photo: A man carrying a child moves in the blizzard. Credit: Getty)

SAT 14:00 BBC News (w172ykgdng180r)

The latest five minute news bulletin from BBC World Service.

SAT 14:06 Sportsworld (w172ygf2b98ywg)

Live sport from around the world with news, interviews and

analysis.

SAT 15:00 A Festival of Nine Lessons and Carols (w3ct4lxd)

Festival of Nine Lessons and Carols 2022

A service of carols, hymns and readings live from the candlelit Chapel of King's College, Cambridge.

2022 programme:

Hymn: Once in royal David's City (Irby, arr. Willcocks)

Bidding Prayer (read by the Dean)

Carol: Up! Good Christen folk, and listen (Piae Cantiones, harm. Woodward)

First lesson: Genesis 3 vv. 8-19 (read by a Chorister)

Carol: The truth from above (Vaughan Williams, arr. Christopher Robinson)

Carol: Adam lay ybounden (Warlock)

Second lesson: Genesis 22 vv. 15-19 (read by a College student)

Carol: Illuminare Jerusalem (Judith Weir)

Third lesson: Isaiah 9 vv. 2, 6-7 (read by a member of College staff)

Carol: O Little town of Bethlehem (Walford Davies)

Hymn: It came upon the midnight clear (Noel, descendant Scott)

Fourth lesson: Isaiah 11 vv. 1-9 (read by the Master over the Choristers)

Carol: Peace on Earth (Errollyn Wallen)

Carol: Sans Day Carol (Trad. Cornish, arr. John Rutter)

Fifth lesson: Luke 1 vv. 26-38 (read by a Fellow)

Carol: An old carol (Quilter)

Carol: Angelus ad Virginem (Matthew Martin) – 2022

Commission

Sixth lesson: Luke 2 vv. 1-7 (read by the Mayor of Cambridge)

Hymn: Unto us is born a Son (Puer nobis, arr. Willcocks)

Carol: In the bleak midwinter (Darke)

Seventh lesson: Luke 2 vv. 8-20 (read by the Director of Music)

Carol: The Shepherds' Cradle Song (Leuner, arr. Macpherson)

Eighth lesson: Matthew 2 vv. 1-12 (read by the Vice-Provost)

Carol: O magnum mysterium (Victoria)

Carol: Tomorrow shall be my dancing day (Gardner)

Ninth lesson: John 1 vv. 1-14 (read by the Provost)

Hymn: O come, all ye faithful (Adeste Fideles, arr. Willcocks)

Collect and Blessing

Hymn: Hark! the herald angels sing (Mendelssohn, arr. Ledger)

Daniel Hyde (Director of Music)

Paul Grealley (Organ Scholar)

The Revd Dr Stephen Cherry (Dean)

The Revd Dr Mary Kells (Chaplain)

For many people listening around the world on radio and online, the Festival of Nine Lessons and Carols marks the beginning of Christmas. The Service is based around nine Bible readings interspersed with carols old and new. They are sung by the distinguished Chapel choir who also lead the congregation in traditional Christmas hymns.

The lessons have remained largely unchanged since the Service began in Cambridge in 1918 but the selection of carols varies from year to year. This year, a number of pieces by significant 20th-century and contemporary composers, such as Peter Warlock, Judith Weir, Errollyn Wallen and Roger Quilter can be heard alongside traditional carols in arrangements by Sir David Willcocks, Christopher Robinson, John Rutter and Philip Ledger. A new work has been commissioned for the Festival every year since 1983. For 2022, Matthew Martin has chosen to set the text of the famous medieval carol 'Angelus ad Virginem'.

SAT 16:30 BBC News Summary (w172ykr8vd1qvsd)

The latest two minute news summary from BBC World Service.

SAT 16:32 The Food Chain (w3ct38ny)

A Ukrainian table at Christmas

Ukrainian cookbook writer Olia Hercules reflects on why it's important to mark this festive season, and the traditional dishes she'll be serving at the Christmas table in London this year.

Ruth Alexander speaks to Olia and her Russian born friend and fellow food writer, Alissa Timoshkina, to discuss how these food traditions have developed and how relatives and friends will be marking Christmas in the war-torn country, ten months on from Russia's invasion.

Ruth also sits down with a Ukrainian family of refugees and their British hosts in Blackburn in the North of England to find out what will be on their Christmas table this year, and what it's like to be separated from loved ones at this time. For Mariya Dmytrenko and her children, Krystina and Artem, and their hosts Brian and Julie Lamb, food has provided opportunities to bond and learn about each other's cultures as they share a home.

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

Presented by Ruth Alexander

Produced by Beatrice Pickup

(Image: Mariya Dmytrenko and her children Krystina and Artem in Brian and Julie Lamb's kitchen in Blackburn England.

Credit: BBC)

SAT 17:00 BBC News (w172ykgqgdn1m84)

The latest five minute news bulletin from BBC World Service.

SAT 17:06 The Documentary (w3ct4lxd)

The people v J Edgar Hoover: Part one

Meet the man who makes presidents wait. J Edgar Hoover built and then ran the FBI for almost five decades. He turned it from a bureaucratic backwater into a premier crime fighting and counterintelligence force. In the process, he arguably became America's most powerful man. He has been dead for 50 years and still his shadow looms over the US. Today's fears of a 'deep state', often expressed by Donald Trump and his supporters - of unaccountable government officials working against the public in their own interest - can be traced back to J Edgar Hoover. His job was to enforce the law but he would not always be bound by it.

(Photo: circa 1945, American criminologist John Edgar Hoover (1895 - 1972), the Director of the FBI (Federal Bureau of Investigation) for 48 years. Credit: MPI/Getty Images)

SAT 18:00 BBC News (w172ykgqgdn1r08)

The latest five minute news bulletin from BBC World Service.

SAT 18:06 The Newsroom (w172y182t1t12mn)

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

SAT 18:30 BBC News Summary (w172ykr8vd1r38n)

The latest two minute news summary from BBC World Service.

SAT 18:32 Kalki Presents: My Indian Life (w3ct4kg5)

[Repeat of broadcast at 05:32 today]

SAT 18:50 Sporting Witness (w3ct36gm)

[Repeat of broadcast at 08:50 today]

SAT 19:00 BBC News (w172ykgqgdn1vrd)

The latest five minute news bulletin from BBC World Service.

SAT 19:06 The Evidence (w3ct4289)

The Evidence

Preparing for the next pandemic

Infectious diseases which cause epidemics and pandemics are on the rise.

Claudia Hammond is joined by an eminent panel of disease detectives, who spell out why the risks are increasing and most importantly, what we can do to predict, prepare and protect ourselves against potentially devastating new outbreaks.

Will the next infectious disease to wreak havoc across the globe again jump from animals, a zoonotic jump across species?

Think SARS, HIV, MERS, Zika, Nipah Virus, Lassa Fever, Ebola, Avian Flu, Swine Flu, Mpox and of course the coronavirus that causes Covid-19.

The panel is unanimous in their plea for recognition that human health is inextricably linked to both animal health and the health of the environment. Without an understanding that we are part of an ecosystem and that climate change and the loss of biodiversity have a direct impact on epidemic and pandemic risk, we'll struggle to keep ourselves safe they say.

Claudia is joined by vet-turned-virologist Marion Koopmans, Professor of Viroscience at Erasmus Medical Centre in the Netherlands and head of the Pandemic and Disaster Preparedness Centre; by Tulio de Oliveira, Professor of Bioinformatics, director of the Centre for Epidemic Response and Innovation (CERI) and the KwaZulu-Natal Research Innovation and Sequencing Platform (KRISP) in South Africa

and Malik Peiris, Professor of Virology at the University of Hong Kong's School of Public Health.

Produced by: Fiona Hill and Elisabeth Tuohy

Studio Engineer: Duncan Hannant

SAT 20:00 BBC News (w172ykgqgdn1zhj)

The latest five minute news bulletin from BBC World Service.

SAT 20:06 The Arts Hour (w3ct3917)

Why Elizabeth Chan made The Holidays a year-round job

The Arts Hour celebrates The Holiday season and whether you're celebrating Christmas, Hanukkah, Kwanzaa, something else or nothing at all, everyone's invited to join Nikki Bedi for festive fun?

She'll be chatting to Elizabeth Chan - The Queen of Christmas - who writes and records ONLY Christmas tunes. (12 albums so far!)

Nikki also hears from Ballet Creole about their Soulful Messiah

and we find out how Arts Hour guests from throughout the year celebrate at this time of year.

(Photo: Elizabeth Chan. Credit: Merry Bright Music)

SAT 21:00 BBC News (w172ykgqgdn237n)

The latest five minute news bulletin from BBC World Service.

SAT 21:06 Newshour (w172yfcchv74n5y)

Taliban ban women from working for aid agencies

The Taliban's war on women continues as they ban women from working for local and international aid agencies in Afghanistan.

The Islamist rulers said female NGO employees had not followed their interpretation of Sharia law by failing to wear the hijab. We'll speak to someone who runs an affected organisation about the impact of the decision.

Also in the programme: As the US and Canada remain in the grip of a once-in-a-generation deep freeze, we'll hear about conditions on an Indian reservation in South Dakota; and we'll be going Downtown with Petula Clarke, aged 90 and still on stage.

Photo shows Afghan women walking along a road in Ghazni Province. Credit: Wakil Kohsar/AFP

SAT 22:00 BBC News (w172ykgqgdn26zs)

The latest five minute news bulletin from BBC World Service.

SAT 22:06 The Newsroom (w172ykr8vd1r38n)

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

SAT 22:20 Sports News (w172yghgqxfqb12)

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

SAT 22:30 BBC News Summary (w172ykr8vd1r38n)

The latest two minute news summary from BBC World Service.

SAT 22:32 The Cultural Frontline (w3ct37sj)

Generations in conversation

This week, as people around the world gather with family, Chibundu Onuzo presents a series of conversations between artists across the generations exploring what unites and divides them.

In the USA it's estimated that nearly a quarter of the population will be 65 or older by the year 2060 with more and more of the country's resources needed to care for them. In Nigeria, a young population of average age 18 is questioning the ability of older politicians to understand their needs. In light of these debates, we listen in on conversations between artists from different generations.

Jewish American novelist Daniel Torday, 43, meets African American writer Monica Brashears, 25. Daniel is the author of Boomer1, a novel exploring intergenerational strife in the Baltimore suburbs and Monica is about to release her debut novel, House of Cotton, a gothic story set in the American South. They talk about their shared anxiety over climate change and the tensions between Gen Z and Baby Boomers.

Two musicians from India, Suhail Yusuf Khan, in his 30s, and Sarvar Sabri who's in his 60s discuss the way their musical tradition is handed down and different approaches to the student teacher relationship.

Plus Australian Aboriginal artists, Mother and daughter Lauren Jarrett, 65, and Melissa Greenwood, 38, talk about their shared artistic practice and how making work helps them address intergenerational trauma within their community.

Producer: Simon Richardson

(Photo: Lauren Jarrett and Melissa Greenwood)

SAT 23:00 BBC News (w172ykqgdng2bqx)

The latest five minute news bulletin from BBC World Service.

SAT 23:06 Music Life (w3ct30kz)

Recording in wintry moments, with Angel Olsen, Julianna Barwick and Marissa Nadler

Angel Olsen, Julianna Barwick and Marissa Nadler discuss going to the movies on Christmas Day, wanting to chill out over the holiday, why they try to not make 'normal' music, creating a rough exterior of your personality, and getting lost in landscapes.

Angel Olsen is a guitarist, singer, and poet from Missouri, USA who sings about romantic crises, life on the road, forgiving yourself for making mistakes, betrayal, and perseverance.

Julianna Barwick is a singer who experiments with loops of her voice to create huge cinematic landscapes. She takes the listener on widescreen psychic journeys; her work is inspired by growing up in a church choir.

Folk and Americana singer, guitarist, and visual artist Marissa Nadler is from Nashville, Tennessee. Her work glides between dreamy folk music, black metal and meditative ambient music, culminating in a sound that is deeply intimate and endlessly creative.

SUNDAY 25 DECEMBER 2022**SUN 00:00 BBC News (w172ykqgdng2gh1)**

The latest five minute news bulletin from BBC World Service.

SUN 00:06 BBC OS Conversations (w3ct418k)

[Repeat of broadcast at 09:06 on Saturday]

SUN 00:30 BBC News Summary (w172ykr8vd1trtf)

The latest two minute news summary from BBC World Service.

SUN 00:32 Kalki Presents: My Indian Life (w3ct4kg5)

[Repeat of broadcast at 05:32 on Saturday]

SUN 00:50 More or Less (w3ct3k5r)

[Repeat of broadcast at 05:50 on Saturday]

SUN 01:00 BBC News (w172ykqgdng2l75)

The latest five minute news bulletin from BBC World Service.

SUN 01:06 The Science Hour (w3ct3b08)

Mosquito pesticide failing

Mosquito pesticide failing - prevention of dengue fever and other diseases at risk.

Dangerous bird flu evolving fast - researchers are learning why bird flu is persisting and spreading fast round the world, and assess the threat to humans.

Drilling for ancient ice in the Antarctic - Roland talks to one of the team drilling kilometres into an ancient, frozen record of past climate.

Martian rock store opens - NASA's Mars Perseverance rover is stashing rock samples future missions could bring back to Earth.

Does your mum's singing make you cringe with embarrassment? Do your dad's jokes make you want to scream - and not with laughter? Or maybe you are the parent driving your offspring round the bend with rules and curfews?

If so, you are not alone. CrowdScience listener Ilixo, age 11, has been wondering why it is that our parents become so annoying as we become teenagers. Is it something that is changing in his brain or are they actually becoming more annoying as they age? Presenter Marnie Chesterton consults our assembled panel of experts to discuss conflict between parents and their offspring.

Developmental psychologist Liane Alampay, from the Ateneo de Manila University, Philippines, describes how the teenage experience varies around the world. Child and educational psychologist Laverne Antrobus in London says the teenage quest for independence is a normal - and necessary - developmental stage for becoming an adult. And Jennifer Lansford, a Research Professor at Duke University who studies parenting and child development, offers insights into the role peers play. Do not despair! - the panel offers tips for how to keep the peace - whether you're an argumentative adolescent or a provoking parent.

Image credit: Shinji Kasai

SUN 02:00 BBC News (w172ykqgdng2pz9)

The latest five minute news bulletin from BBC World Service.

SUN 02:06 The Newsroom (w172y182t1t21lp)

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

SUN 02:30 BBC News Summary (w172ykr8vd1s27p)

The latest two minute news summary from BBC World Service.

SUN 02:32 Health Check (w3ct32xh)

Biggest health stories of the year

It's been another busy year on the BBC's Health Check, where we've brought you the health and science stories that matter to you from around the globe, week in, week out.

In this episode, Claudia Hammond is joined by Dr Ann Robinson to pick out some of the biggest breakthroughs of the year, from major advancements in gene therapy for two debilitating blood conditions, to a huge leap forward on treatment for dementia, and what looks like the conclusion of a long-running medical mystery.

Claudia also hears about new findings on the best way to remember the important things in life – is it writing a list? Tech aides? Or a bit of both? And findings from a new German study on how psychology could be used to help close the gender pay gap.

And we'll look at the current rise in infections in Europe associated with the streptococcus bacteria – why is this happening now and how can you spot the signs of more serious infection?

Presenter: Claudia Hammond

Producer: Gerry Holt

SUN 03:00 BBC News (w172ykqgdng2tqf)

The latest five minute news bulletin from BBC World Service.

SUN 03:06 The Documentary (w3ct4lyz)

[Repeat of broadcast at 12:06 on Saturday]

SUN 04:00 BBC News (w172ykqgdng2ygk)

The latest five minute news bulletin from BBC World Service.

SUN 04:06 From Our Own Correspondent (w3ct32bf)

2022: Strength in a year of storms

Sri Lanka's political crisis erupted in the summer of 2022 after months of rising public anger and concern over its dire economic straits. Before the protests turned violent, Rajini Vaidyanathan had seen how the country's problems could be illuminated by a simple dinner at home – cooked over a wood fire and eaten by the light of a kerosene lamp.

The hillsides of Brazzaville, the capital of the Republic of Congo, are steep, crowded – and often made sodden by tropical rainstorms. After these cloudbursts, houses can be washed away in a matter of moments, as landslides send them collapsing into ravines. Nick Loomis met a team of urban planners trying to stop that happening – and prepare local residents to better flood-proof their homes.

The people of Mosul, in Iraq, have had many years to consider how to keep a city's culture alive during wartime. They've survived overlapping stages of armed conflict – and seen Saddam Hussein, the forces of US-NATO intervention, al Qaeda and the Islamic State group trying to control their town. After so much trauma and war damage, there's still a place for music and poetry, as Leila Molana Allen heard after an ecstatic concert of traditional music.

And from Paris, Hugh Schofield reveals an exclusive release from the ateliers: his natty new presidential-style suit, a sharp narrow-cut number with a definite aura of power. But as he discovered during the French presidential election in 2022, looking like 'a factory-produced Macron boy' was not always the best image to project in other parts of the nation.

Producer: Polly Hope

Editor: Richard Fenton-Smith

Production Co-ordinator: Iona Hammond

SUN 04:30 BBC News Summary (w172ykr8vd1s9qy)

The latest two minute news summary from BBC World Service.

SUN 04:32 The Cultural Frontline (w3ct37sj)

[Repeat of broadcast at 22:32 on Saturday]

SUN 05:00 BBC News (w172ykqgdng326p)

The latest five minute news bulletin from BBC World Service.

SUN 05:06 The Newsroom (w172y182t1t2dv2)

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

SUN 05:30 BBC News Summary (w172ykr8vd1sfh2)

The latest two minute news summary from BBC World Service.

SUN 05:32 The Documentary (w3ct4lyv)

Sweden's green power struggle

In Sweden's far north, indigenous Sami people say their traditional culture and way of life is being threatened by the country's drive to develop carbon-cutting industries. In the Arctic town of Jokkmokk, a controversial new iron-ore mine has been given conditional approval in a reindeer herding area. Supporters of the project argue it is needed to extract materials to build a new green infrastructure in Sweden, and to create new jobs in an area desperate for regeneration. But the mine is opposed by many Sami, including artist and music producer Maxida Máarak. Human rights groups and environmental campaigners also argue it could cause water pollution and threaten biodiversity.

Further south, in Umeå, Sami reindeer herder Elle Merete Omma says growing numbers of wind turbines are limiting access to grazing lands for reindeer in her Sami district. Plus we meet 21-year-old Sami Tik Tok influencer and student Evelina Solsten, who is using her platform to try and ensure Sami culture survives in the face of industrial developments.

The BBC's Maddy Savage hears both sides of the debate, and asks if the Sami should be prepared to adapt their often-idealised traditions in the face of climate and economic shifts.

(Photo: Members of the Sami community hold a Sami flag before marching during a Friday for Future protest in Jokkmokk, northern Sweden, 7 February 2020. Credit: Jonathan Nackstrand /AFP/Getty Images)

SUN 06:00 BBC News (w172ykqgdng35yt)

The latest five minute news bulletin from BBC World Service.

SUN 06:06 Weekend (w172ykw4nnpbj1)

Russian shelling targets Kherson

At least ten people have been killed in the city of Kherson in Ukraine, following shelling by Russian forces. The city was retaken by Ukrainian forces in November.

Also in the programme: The Taliban bans women from working at NGOs in Afghanistan and how plummeting temperatures are affecting Native American communities in South Dakota.

(Picture: Cars burning on a street following a shelling in Kherson, southern Ukraine. Credit: EPA/STATE EMERGENCY SERVICE OF UKRAINE)

SUN 07:00 BBC News (w172ykqgdng39py)

The latest five minute news bulletin from BBC World Service.

SUN 07:06 Weekend (w172ykw4nnpn25)

Taliban ban women from NGO work

The United Nations says it is profoundly concerned that women will be banned from working for non-governmental organisations in Afghanistan. An urgent meeting of the organisation's Humanitarian Country Team is due to take place today.

Also in the programme: We look at how Russia's war in Ukraine could develop in the next year; and we hear from Hollywood director, Ron Howard.

(Picture: Afghan women in Kabul, Afghanistan. Credit: EPA/STRINGER)

SUN 08:00 BBC News (w172ykqgdng3fg2)

The latest five minute news bulletin from BBC World Service.

SUN 08:06 Weekend (w172ykw4nnprt9)

Taliban bans women from working with NGOs

The Taliban has banned women from working for non-governmental organisations in Afghanistan. An urgent meeting

of NGOs is taking place today.

Also in the programme: How Native American communities are being affected by plummeting temperatures in South Dakota; and re-enacting the Christmas nativity story in multi-cultural London.

(Picture: Afghan female students in Kabul, Afghanistan. Credit: EPA/STRINGER)

SUN 08:30 BBC News Summary (w172ykr8vd1ssqg)

The latest two minute news summary from BBC World Service.

SUN 08:32 The Dark Is Rising (w3ct4lzt)

6. The Opening of the Present

It is Christmas Eve 1875 and Hawkin turns to the Dark. Will hasn't a moment to lose and goes back to his own time to find the Third Sign. His family sing carols, oblivious to danger, and Will is able to protect them with a spell before The Rider can strike. But at home on Christmas morning there is a knock at the door. Listen on headphones for 3D immersive sound.
#TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney
Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

SUN 08:50 More or Less (w3ct3k5r)

[Repeat of broadcast at 05:50 on Saturday]

SUN 09:00 BBC News (w172ykgqgdn3k66)

The latest five minute news bulletin from BBC World Service.

SUN 09:06 From Our Own Correspondent (w3ct32bf)

[Repeat of broadcast at 04:06 today]

SUN 09:30 BBC News Summary (w172ykr8vd1sxgl)

The latest two minute news summary from BBC World Service.

SUN 09:32 Outlook (w3ct41fk)

The tip-off and the 30-year treasure hunt

It began with drinks one Sunday when a woman told Reg Mead a story; her father was ploughing a field when he came across a pot full of ancient silver coins. He scooped up what he could and then ploughed the rest into the field. Reg is a metal detectorist and he was instantly hooked. With his friend Richard Miles they set off on a search that would last for 30 years.

This interview was first broadcast in January 2022.

Get in touch: outlook@bbc.com

Presenter: Jo Fidge
Producer: Andrea Kennedy

(Photo: Richard Miles (left) and Reg Mead. Credit: Jamie Graham, JPG Digital Imaging)

SUN 10:00 BBC News (w172ykgqgdn3nyb)

The latest five minute news bulletin from BBC World Service.

SUN 10:06 Trending (w3ct4lnk)

Akon's Wakanda and a crumbling crypto dream

The R'n'B singer Akon has had an incredibly successful music career, with a number of smash hits and legions of fans.

Recently the singer launched two ambitious projects that are inextricably linked.

The first is a cryptocurrency called Akoin that Akon says will provide financial independence for Africans, although some people are dissatisfied after investing in the dream and having nothing to show for it.

The other project is a reported \$6billion futuristically designed metropolis on the coast of Senegal called Akon City.

Together Akoin and Akon City are supposed to represent the future of African life but after several delays will these plans ever take off?

Presenter: Jonathan Griffin
Producers: Borso Tall, Ned Davies
Editor: Flora Carmichael

SUN 10:30 BBC News Summary (w172ykr8vd1t16q)

The latest two minute news summary from BBC World Service.

SUN 10:32 Heart and Soul (w3ct424c)

Christmas with the cooking priest

Fr Leo Patalinghug is not your typical priest. In one hand he holds a cross, in the other a cooking spatula. With his own international TV show, YouTube channel and cookbooks, this apron-wearing minister is on a mission – to share his faith through food.

Growing up on an island in the Philippines, where money was tight, Leo and his family sometimes struggled to put food on the table. It was after moving to the United States that they got a start in life and, from a young age, Leo was always passionate about cooking. But his other great passion in life was his Catholic faith. And when he finally made the decision to enter religious life and become a priest, he was determined to use cooking to tell people about Christ. As he puts it: "I want to change hearts and minds by going through your stomach."

Presenter Colm Flynn travels to Baltimore in the US to meet Fr Leo in his kitchen and at the food van where he and a team of volunteers feed the homeless of their hometown. He explains how he believes Jesus was a foodie, and how a good meal, made with love, can nourish our souls as well as our bodies.

SUN 11:00 BBC News (w172ykgqgdn3spg)

The latest five minute news bulletin from BBC World Service.

SUN 11:06 The Newsroom (w172y182t1t349v)

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

SUN 11:30 BBC News Summary (w172ykr8vd1t4yv)

The latest two minute news summary from BBC World Service.

SUN 11:32 The Compass (w3ct4lyw)

Bhopal

Bhopal: Part one

When one of journalist Rajkumar Keswani's friends dies at the Union Carbide plant after exposure to toxic gas, he decides to investigate. Local government officials dismiss him, but safety reports smuggled to him open his eyes to the potential for disaster. Rajkumar Keswani wrote his first article 40 years ago, warning of the dangers posed by safety lapses and poor maintenance at the chemical plant. During a dogged investigation pitting him against political power, corporate money and the indifference of the media and public opinion, he never gave up.

This cinematic documentary - narrated by Narinder Samra and featuring key witnesses - tells Keswani's courageous story for the first time.

Producer: Neil McCarthy (Death in Ice Valley podcast)

SUN 12:00 BBC News (w172ykgqgdn3xfi)

The latest five minute news bulletin from BBC World Service.

SUN 12:06 The Evidence (w3ct4289)

[Repeat of broadcast at 19:06 on Saturday]

SUN 13:00 BBC News (w172ykgqgdn415q)

The latest five minute news bulletin from BBC World Service.

SUN 13:06 Newshour (w172yfcchv76140)

NGOs suspend operations in Afghanistan

UN agencies and other non-governmental organisations have been told they can no longer employ female staff. Already, some NGOs like the Norwegian Council Refugee have decided to shut down all their operations. Its secretary-general, Jan Egeland, tells us why.

Also in the programme, China announces they'll no longer publish daily case numbers; and the Newshour Christmas Quiz: Tim Franks along with several razor-minded, quick-tongued colleagues will be submitting themselves to the annual brain exercise.

(PHOTO: A student stands at her home in Kabul. Credit: Getty)

SUN 14:00 BBC News (w172ykgqgdn44xv)

The latest five minute news bulletin from BBC World Service.

SUN 14:06 The Forum (w3ct38tg)

Calories: How to fuel a human

Calories are fundamental to the way many of us view food and our own bodies - you'll find them on supermarket shelves, restaurant menus, and in cookbooks. But they didn't start out that way.

Originally coined during the study of steam engines and industrial energy, the term 'calorie' was transformed into a measurement of food as 'fuel' for humans, influencing industrial, public health and even foreign policies for more than 100 years.

It's also spawned a multi-billion dollar diet industry – we learn about the author whose battle with her weight introduced the world to calorie counting.

But should we be paying the calorie so much attention? There are growing concerns that it's a misleading, perhaps even dangerous guide to how our bodies digest food and burn energy.

Bridgett Kendall is joined by Dr Giles Yeo, professor of molecular neuroendocrinology at the University of Cambridge and author of 'Why Calories Don't Count: How we got the science of weight loss wrong'; Adrienne Rose Bitar, a specialist in the history and culture of American food and health at Cornell University, New York, and author of 'Diet and the Disease of Civilization'; and Nick Cullather, professor of history and international studies at Indiana University, Bloomington.

(Picture: A smartphone showing a calorie counting app and surrounded by fresh vegetables, donuts and other snacks on a table. Credit: Getty Images)

SUN 14:50 Over to You (w3ct35f9)

[Repeat of broadcast at 09:50 on Saturday]

SUN 15:00 BBC News (w172ykgqgdn48nz)

The latest five minute news bulletin from BBC World Service.

SUN 15:06 His Majesty The King's Christmas Message (w3ct4xl)

His Majesty the King's Christmas Message

Coverage of His Majesty the King's Christmas message to the Commonwealth.

(Photo: Britain's King Charles. Credit: Jessica Taylor/Reuters)

SUN 15:12 On the Podium (w3ct4lxq)

Best of the guests

What makes a medal winner? How are they different from the rest of us – and how are they the same? Relive the extraordinary human stories behind the medals by hearing from the Olympians and Paralympians who gave us iconic moments at Tokyo 2020. With comedian Eliza Skinner, sports commentator Ed Harry and Paralympian Scout Bassett.

SUN 16:00 BBC News (w172ykgqgdn4df3)

The latest five minute news bulletin from BBC World Service.

SUN 16:06 Sportsworld (w172ykgffllhyk7)

Live sport from around the world with news, interviews and analysis.

SUN 17:00 BBC News (w172ykqgdng4j57)

The latest five minute news bulletin from BBC World Service.

SUN 17:06 The Documentary (w3ct4lxb)

The people v J Edgar Hoover: Part two

Emily Maitlis explores the life and legacy of J Edgar Hoover, who ran the FBI for almost five decades and turned it into a premier crime-fighting and counterintelligence force.

In part two Hoover begins to lose control of the American narrative. When we meet the FBI director this time, he is at the height of his authority, taking on Martin Luther King Jr, a man he called the “most notorious liar” in America. It does not end well, ultimately, for either of them. The balance of power between Hoover's long list of allies and enemies shifts as a complicated new era unfolds, amid plummeting public trust and rising demands for official accountability.

(Photo: circa 1945, American criminologist John Edgar Hoover (1895 - 1972), the Director of the FBI (Federal Bureau of Investigation) for 48 years. Credit: MPI/Getty Images)

SUN 18:00 BBC News (w172ykqgdng4mxc)

The latest five minute news bulletin from BBC World Service.

SUN 18:06 Business Daily (w3ct30tm)

[Repeat of broadcast at 00:06 on Saturday]

SUN 19:00 BBC News (w172ykqgdng4rnh)

The latest five minute news bulletin from BBC World Service.

SUN 19:06 The Newsroom (w172y182t1t438w)

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

SUN 19:30 BBC News Summary (w172ykr8vd1v3xw)

The latest two minute news summary from BBC World Service.

SUN 19:32 Outlook (w3ct41fk)

[Repeat of broadcast at 09:32 today]

SUN 20:00 BBC News (w172ykqgdng4wdm)

The latest five minute news bulletin from BBC World Service.

SUN 20:06 The History Hour (w3ct39m9)

90 years of the BBC World Service

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

Sir Trevor McDonald reflects on the BBC's first black producer, Una Marson, and her legacy in the development of the BBC Caribbean Service.

Also, how the BBC managed to broadcast through the Iron Curtain, Colombia's false positives scandal and the incredible rescue of 33 miners trapped in Chile.

(Photo: Sir Trevor McDonald. Credit: BBC)

Contributors:

Sir Trevor McDonald, Una Marson, Debbie Ransome and Neil Nunes - BBC presenters

Bridget Kendall - the BBC's former Moscow correspondent

Peter Udell - the BBC's former controller of European Services

Jacqueline Castillo - whose brother was a victim of the 'false positives' scandal

Dr Aslan Doukaev - university teacher when the first Chechen war started

Mario Sepulveda - Chilean mine disaster survivor

SUN 21:00 BBC News (w172ykqgdng504r)

The latest five minute news bulletin from BBC World Service.

SUN 21:06 Newshour (w172yfchv77k31)

Humanitarian agencies hold crisis talks on Afghanistan

Humanitarian agencies have been holding crisis talks on the Taliban rule that NGOs in Afghanistan can no longer employ female staff. Also in the programme, China announces they'll no longer publish daily case numbers; and the Newshour Christmas Quiz: Tim Franks along with several razor-minded, quick-tongued colleagues will be submitting themselves to the annual brain exercise. (Photo: Afghan women chant slogans in protest against the closure of universities to women by the Taliban in Kabul, Afghanistan. CREDIT: REUTERS/Stringer)

SUN 22:00 BBC News (w172ykqgdng53ww)

The latest five minute news bulletin from BBC World Service.

SUN 22:06 The Newsroom (w172yrx6y14w3yg)

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

SUN 22:20 Sports News (w172yghgqxf16y5)

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

SUN 22:30 BBC News Summary (w172ykr8vd1vh58)

The latest two minute news summary from BBC World Service.

SUN 22:32 Outlook (w3ct41fk)

[Repeat of broadcast at 09:32 today]

SUN 23:00 BBC News (w172ykqgdng57n0)

The latest five minute news bulletin from BBC World Service.

SUN 23:06 Trending (w3ct4lnk)

[Repeat of broadcast at 10:06 today]

SUN 23:30 BBC News Summary (w172ykr8vd1v1xd)

The latest two minute news summary from BBC World Service.

SUN 23:32 Pick of the World (w3ct41xv)

[Repeat of broadcast at 09:32 on Saturday]

SUN 23:50 Over to You (w3ct35t9)

[Repeat of broadcast at 09:50 on Saturday]

MONDAY 26 DECEMBER 2022**MON 00:00 BBC News (w172ykqgrxr96n9)**

The latest five minute news bulletin from BBC World Service.

MON 00:06 From Our Own Correspondent (w3ct32bf)

[Repeat of broadcast at 04:06 on Sunday]

MON 00:30 BBC News Summary (w172ykr96nbzxp)

The latest two minute news summary from BBC World Service.

MON 00:32 Heart and Soul (w3ct424c)

[Repeat of broadcast at 10:32 on Sunday]

MON 01:00 BBC News (w172ykqgrxr9bdf)

The latest five minute news bulletin from BBC World Service.

MON 01:06 The Newsroom (w172y1835b38p0t)

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

MON 01:30 BBC News Summary (w172ykr96nbzpnt)

The latest two minute news summary from BBC World Service.

MON 01:32 The Documentary (w3ct4m2w)

Happy news of 2022

As 2022 draws to a close, BBC World Service presenter Jackie Leonard takes a look back at the most uplifting, joyous, positive news stories of the year. Jackie will revisit breakthroughs in science and medicine; speak to a US man who saved a family from a burning house; meet a 12-year-old woodworker in Britain who raised thousands of dollars for Ukraine; learn how a long-lost photo album was returned to its family; and more.

MON 02:00 BBC News (w172ykqgrxr9g4k)

The latest five minute news bulletin from BBC World Service.

MON 02:06 The Newsroom (w172y1835b38sry)

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

MON 02:30 BBC News Summary (w172ykr96nbztdy)

The latest two minute news summary from BBC World Service.

MON 02:32 The Climate Question (w3ct3kk1)

How to speak to a climate denier

From climate sceptic to climate campaigner, Sarah Ott grew up in the US surrounded by doubters, listening to out-right deniers. This is the story of what changed her mind.

We also hear people's questions about climate change from Kenya where there's major drought and we speak to BBC Disinformation reporter Marco Silva on dealing with climate misinformation.

Presenter Neal Razzell is joined by:

Sarah Ott, teacher and former sceptic

Marco Silva, BBC Climate Disinformation Reporter

Michael Kaloki, journalist in Kenya

With thanks also to Sander van der Linden, Professor of Social Psychology at the University of Cambridge, UK

Email us: theclimatequestion@bbc.com

Producer: Mora Morrison

Researcher: Richard Tisdale

Production Coordinator: Siobhan Reed & Sophie Hill

Series Producer: Alex Lewis

Editor: Bridget Harney

Sound engineer: Graham Puddfoot

MON 03:00 BBC News (w172ykqgrxr9kwp)

The latest five minute news bulletin from BBC World Service.

MON 03:06 Tech Tent (w3ct4kxh)

The Tech Tent Christmas quiz

The technology news team review the year in the form of a quiz. Paul Carter and Liv McMahon take on Nick Kwek and Alasdair Keane to see who remembers most about the best - and worst - tech news moments of 2022. And all four face the ultimate test: can they tell which is the genuine Christmas story, loved for decades - and which has been conjured up in an instant by AI?

MON 03:30 BBC News Summary (w172ykr96nbzy52)

The latest two minute news summary from BBC World Service.

MON 03:32 Pick of the World (w3ct41xv)

[Repeat of broadcast at 09:32 on Saturday]

MON 03:50 Over to You (w3ct35t9)

[Repeat of broadcast at 09:50 on Saturday]

MON 04:00 BBC News (w172ykqgrxr9pmt)

The latest five minute news bulletin from BBC World Service.

MON 04:06 The Newsroom (w172y1835b39186)

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

MON 04:30 BBC News Summary (w172ykr96nc01x6)

The latest two minute news summary from BBC World Service.

MON 04:32 The Conversation (w3ct37mz)

Women with a passion for wine

Kim Chakanetsa talks to a multi-award winning wine expert from France and a young sommelier from Kenya who was part of the first all-female team to take part in the World Wine Blind Tasting Championships 2022.

Pascaline Lepeltier was studying for a PhD in Philosophy when she switched to work in a restaurant and pursue her interest in wine. She went on to become the only woman to have been named “Un des Meilleurs Ouvriers de France - Sommellerie”, and also in 2018, Best French Sommelier. She has a passion for championing organic, natural and biodynamic wines and is beverage director at the New York restaurant Chambers.

Melissa Mwende is a Kenyan born and raised sommelier and wine educator. After working as a wine ambassador for a brand in South Africa she opened a small wine shop outside Nairobi and works as a wine consultant. She wants people to learn about fantastic wines produced across the African continent.

Produced by Jane Thurlow

(Image: (L) Pascaline Lepeltier, credit Cedric Angeles. (R) Melissa Mwende, courtesy Melissa Mwende.)

MON 05:00 BBC News (w172ykqgrxr9tcy)

The latest five minute news bulletin from BBC World Service.

MON 05:06 Newsday (w172yf8xjqbg1c)

<p>Dozens of Chinese warplanes cross Taiwan</p> <p>Taiwan's defence ministry has detected 71 Chinese aircraft and seven Chinese warships around the island.</p> <p>At least 35 people are now known to have died in the severe Arctic freeze gripping much of North America.</p> <p>And China's Covid-19 surge raises odds of a new mutation.</p> <p>MON 06:00 BBC News (w172ykqgrxr9y42) The latest five minute news bulletin from BBC World Service.</p> <p>MON 06:06 Newsday (w172yf8xjxbksh) Dozens dead as big freeze grips North America</p> <p>At least 38 people are now known to have died in the severe Arctic freeze gripping much of North America.</p> <p>China is seeing Covid spreading unabated across the country, with cities and provinces reporting hundreds of thousands of daily infections.</p> <p>And it is now 100 days since unprecedented anti-government protests began in Iran.</p> <p>MON 07:00 BBC News (w172ykqgrxb1w6) The latest five minute news bulletin from BBC World Service.</p> <p>MON 07:06 Newsday (w172yf8xjxbpjm) 'Bomb cyclone' storm hits US</p> <p>At least 38 deaths have now been linked to a severe Arctic freeze that continues to pummel the US and Canada.</p> <p>Several groups providing aid in Afghanistan have suspended their operations, after the Taliban ruled women could no longer work for non-governmental organisations with immediate effect.</p> <p>And China stops publishing daily Covid figures amid reports of an explosion in cases.</p> <p>MON 08:00 BBC News (w172ykqgrxb5mb) The latest five minute news bulletin from BBC World Service.</p> <p>MON 08:06 HARDtalk (w3ct32g5) Gregory Doran: Why does Shakespeare still captivate us?</p> <p>Stephen Sackur is in Stratford-upon-Avon, interviewing Gregory Doran, artistic director emeritus of the Royal Shakespeare Company. More than 400 years after his death, Shakespeare's words and stories live on, transcending languages and borders. Why do we continue to make much ado about Shakespeare?</p> <p>MON 08:30 BBC News Summary (w172ykr96nc0jwq) The latest two minute news summary from BBC World Service.</p> <p>MON 08:32 The Dark Is Rising (w3ct4lzv) 7. The Besieging</p> <p>Christmas Day. The snowfall is intense as Will walks. The Dark has surrounded the church. Will fights back and discovers a Fourth Sign. On the journey home, a rook leads Will to a man freezing in the snow. Listen on headphones for 3D immersive sound. #TheDarkIsRising</p> <p>Will Stanton: Noah Alexander John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey Stephen Stanton: Simon Bubb Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue The Walker/Hawkin: Toby Jones Narrator: Simon McBurney The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan Merriman: Paul Rhys Maggie Barnes/Mary Stanton: Natasha Stone The Lady/Miss Greythorne: Harriet Walter Herne: Miles Yekini The chorister: Vinay Singh Radio announcer: Samuel West</p> <p>Soundscape design: Gareth Fry Music: Josh Sneesby Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens</p> <p>Adapted for audio by Robert Macfarlane and Simon McBurney Dramaturg: James Yeatman</p>	<p>Director: Simon McBurney Producers: Catherine Bailey and Tim Bell</p> <p>A Complicité and Catherine Bailey Production for BBC World Service Commissioned by Simon Pitts</p> <p>MON 08:50 Witness History (w3ct3bzy) Creating ciabatta bread</p> <p>In 1982, rally driver Arnaldo Cavallari created ciabatta bread in Adria, in northern Italy.</p> <p>His family owned a flour mill and he wanted to invent a loaf to rival the French baguette.</p> <p>Rachel Naylor speaks to his close friend and fellow baker, Marco Vianello.</p> <p>(Photo: Ciabatta. Credit: Getty Images)</p> <p>MON 09:00 BBC News (w172ykqgrxb9cg) The latest five minute news bulletin from BBC World Service.</p> <p>MON 09:06 The Newsroom (w172y1835b39mzv) The world's Newsroom brings you global events as they happen</p> <p>MON 09:30 BBC News Summary (w172ykr96nc0nmv) The latest two minute news summary from BBC World Service.</p> <p>MON 09:32 The Climate Question (w3ct3kk1) [Repeat of broadcast at 02:32 today]</p> <p>MON 10:00 BBC News (w172ykqgrxbf3l) The latest five minute news bulletin from BBC World Service.</p> <p>MON 10:06 The Cultural Frontline (w3ct37sj) [Repeat of broadcast at 22:32 on Saturday]</p> <p>MON 10:30 BBC News Summary (w172ykr96nc0scz) The latest two minute news summary from BBC World Service.</p> <p>MON 10:32 Kalki Presents: My Indian Life (w3ct4kg5) [Repeat of broadcast at 05:32 on Saturday]</p> <p>MON 10:50 More or Less (w3ct3k5r) [Repeat of broadcast at 05:50 on Saturday]</p> <p>MON 11:00 BBC News (w172ykqgrxbjvq) The latest five minute news bulletin from BBC World Service.</p> <p>MON 11:06 The Newsroom (w172y1835b39wh3) The world's Newsroom brings you global events as they happen</p> <p>MON 11:30 BBC News Summary (w172ykr96nc0x43) The latest two minute news summary from BBC World Service.</p> <p>MON 11:32 The Conversation (w3ct37mz) [Repeat of broadcast at 04:32 today]</p> <p>MON 12:00 BBC News (w172ykqgrxbnlv) The latest five minute news bulletin from BBC World Service.</p> <p>MON 12:06 Outlook (w3ct34pc) I was 71 when I first heard my father's voice</p> <p>Margaret Ann Harris' father died when she was only 17 months old. She had lots of photographs of him, but no memories of her dad or the sound of his voice. Decades later, when Margaret Ann had become a parent and grandparent herself, the Baltimore Sun's librarian Paul McCardell found a couple of dusty tapes featuring a festive World War Two radio show. The programme was a compilation of music, song and messages to loved ones listening back home, made by American soldiers stationed in England for Christmas of 1943. When Paul managed to get it to air again some 70 years later, Margaret Ann Harris received an unexpected Christmas gift: she heard her father's voice for the first time.</p> <p>When someone you love dies we often cling their memory and keep them alive through their photos. Visual artist Lebohang Kganye went one step further after the death of her mother. After flicking through some old photo albums of her mum as a</p>	<p>young woman, she created a beautiful way to be close to her again. Lebohang decided to recreate the scenes, and superimpose images of herself dressed in her mum's clothes onto the old photos. (This interview was first broadcast in 2019)</p> <p>Nicole Paris and Ed Cage are a beatboxing father and daughter duo. Ed remembers beatboxing to his wife's belly when she was pregnant with Nicole. From there, their shared love for the sound has only grown, even embarking on a tour together. (This interview was first broadcast in 2016.)</p> <p>Get in touch: outlook@bbc.com</p> <p>Presenter: Emily Webb</p> <p>(Photo: Margaret Ann Harris with her father Sergeant Cody Wolf. Credit: Courtesy of Margaret Ann Harris)</p> <p>MON 12:50 Witness History (w3ct3bzy) [Repeat of broadcast at 08:50 today]</p> <p>MON 13:00 BBC News (w172ykqgrxbshz) The latest five minute news bulletin from BBC World Service.</p> <p>MON 13:06 The Newsroom (w172y1835b3b3zc) The world's Newsroom brings you global events as they happen</p> <p>MON 13:30 BBC News Summary (w172ykr96nc14mc) The latest two minute news summary from BBC World Service.</p> <p>MON 13:32 CrowdScience (w3ct3j7z) Why are my parents so annoying?</p> <p>Does your mum's singing make you cringe with embarrassment? Do your dad's jokes make you want to scream - and not with laughter? Or maybe you are the parent driving your offspring round the bend with rules and curfews?</p> <p>If so, you are not alone. CrowdScience listener Ilxo, age 11, has been wondering why it is that our parents become so annoying as we become teenagers. Is it something that is changing in his brain or are they actually becoming more annoying as they age? Presenter Marnie Chesterton consults our assembled panel of experts to discuss conflict between parents and their offspring.</p> <p>Developmental psychologist Liane Alampay, from the Ateneo de Manila University, Philippines, describes how the teenage experience varies around the world. Child and educational psychologist Laverne Antrobus in London says the teenage quest for independence is a normal - and necessary - developmental stage for becoming an adult. And Jennifer Lansford, a Research Professor at Duke University who studies parenting and child development, offers insights into the role peers play. Do not despair! - the panel offers tips for how to keep the peace - whether you're an argumentative adolescent or a provoking parent.</p> <p>Producer: Lorna Stewart</p> <p>(Photo: Teenager putting fingers in ear while parent tries to talk to them. Credit: Getty Images)</p> <p>MON 14:00 BBC News (w172ykqgrxbx33) The latest five minute news bulletin from BBC World Service.</p> <p>MON 14:06 Newshour (w172yfccw3jfg1d) Dozens killed by the Arctic freeze in North America</p> <p>Dozens killed by the Arctic freeze in the North America; also in the programme the International Rescue Committee suspends its Afghan operations because of the Taliban ban on women working for NGOs; and Israeli philosopher Omri Boehm on the one state solution.</p> <p>(Photo: Vehicles left stranded by storm in Buffalo, New York State. Credit: Reuters)</p> <p>MON 15:00 BBC News (w172ykqgrxc9v7) The latest five minute news bulletin from BBC World Service.</p> <p>MON 15:06 HARDtalk (w3ct32g5) [Repeat of broadcast at 08:06 today]</p> <p>MON 15:30 BBC News Summary (w172ykr96nc1d3m) The latest two minute news summary from BBC World Service.</p>
---	--	---

MON 15:32 World Business Report (w3ct3g0f)

Mo Ibrahim - founder of one of Africa's first mobile phone companies

Mo Ibrahim talks to Rahul Tandon about the challenges he faced setting up Celtel mobile phone company in Africa. He explains how he used scratchcards to provide people with a pay as you go service, why he sold the business and the development of the mobile phone industry. Mo Ibrahim also talks about setting up his own Foundation to support governance and leadership in Africa and why he thinks the continent needs to develop its own natural resources.

Photo by HOLLIE ADAMS/AFP via Getty Images

MON 16:00 BBC News (w172ykqgrxrc4lc)

The latest five minute news bulletin from BBC World Service.

MON 16:06 BBC OS (w172ygl1n2s2jyf)

Ukrainians at Christmas

We catch up with Ukrainians we've spoken to over the last 10 months, who share their feelings about Christmas celebrations in a time of war.

We hear from Americans whose Christmas plans were ruined by the weekend's massive winter storm.

We talk about the impact of the ban by Taliban rulers in Afghanistan on women working for non-governmental organisations.

We find out about the killing of a lawyer in Nigeria who was allegedly shot by a police officer.

(Photo: People sing Christmas carols in Kyiv metro station, Ukraine - 25 Dec 2022. Credit: ROMAN PILIPEY/EPA-EFE/REX/Shutterstock)

MON 17:00 BBC News (w172ykqgrxrc8bh)

The latest five minute news bulletin from BBC World Service.

MON 17:06 BBC OS (w172ygl1n2f2snpc)

Dozens dead in North America winter storm

A state governor says the severe winter storm that has swept across North America has left the city of Buffalo, New York, looking like a war zone. We speak to a reporter in Buffalo, hear from people whose Christmas plans have been ruined by the storm, and we explain what effect extreme cold has on the human body.

We look back at 100 days of anti-government protests in Iran and hear views by Iranians on the developments.

We catch up with Ukrainians we've spoken to over the last 10 months, who share their feelings about Christmas celebrations in a time of war.

We hear about Rohingya refugees who have reached Indonesia after spending a month at sea.

(Photo: Vehicles are left stranded on the road following a winter storm that hit the Buffalo region on Main St. in Amherst, New York, U.S., December 25, 2022. Credit: Brendan McDermid/Reuters)

MON 18:00 BBC News (w172ykqgrxrcd2m)

The latest five minute news bulletin from BBC World Service.

MON 18:06 Outlook (w3ct34pc)

[Repeat of broadcast at 12:06 today]

MON 18:50 Witness History (w3ct3b2v)

[Repeat of broadcast at 08:50 today]

MON 19:00 BBC News (w172ykqgrxrchtr)

The latest five minute news bulletin from BBC World Service.

MON 19:06 The Newsroom (w172y1835b3bvg4)

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

MON 19:30 BBC News Summary (w172ykr96nc1w34)

The latest two minute news summary from BBC World Service.

MON 19:32 Sport Today (w3ct417q)

2022/12/26 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 (w172ykqgrxrcmkw)

The latest five minute news bulletin from BBC World Service.

MON 20:06 The Climate Question (w3ct3kk1)

[Repeat of broadcast at 02:32 today]

MON 20:30 BBC News Summary (w172ykr96nc1zv8)

The latest two minute news summary from BBC World Service.

MON 20:32 Discovery (w3ct30ch)

Tooth and Claw: African Wild Dog

As a great African predator and a hot-spot on safari, it is hard to believe that only last century, the African wild dog was considered vermin. It's beautiful coat of painted strokes makes it undeniably distinctive. Yet out in the field, this animal is hard to find. Yes, it camouflages easily against the landscape, but years of persecution, bounties and unintentional trappings means it's now one of the most endangered mammals on the planet. Revelations about its reliance on the pack for protection, predation and parenting means every dog matters in its bid for survival. So how can we further stop numbers dwindling? Adam Hart and guests investigate the tools and tales of the magnificent painted wolf.

Dr Dani Rabaiotti, zoologist at the Zoological Society of London, and David Kuvawoga and Jealous Mpofu, conservationists at Painted Dog Conservation in Zimbabwe.

MON 21:00 BBC News (w172ykqgrxrcrb0)

The latest five minute news bulletin from BBC World Service.

MON 21:06 Newshour (w172yfccw3jg989)

Iran protests: unrest hits 100 days

A hundred days after they began, the longest running anti-government protests in Iran since the 1979 Islamic revolution have shaken the regime, but at a heavy cost to the people. More than 500 protesters, including 69 children, have been killed, according to the Human Rights Activists' News Agency (HRANA). We have a report from BBC Persian's Parham Ghobadi. Also on the programme: China announces it is dropping its requirement for travellers arriving in the country to go into quarantine. And we get the latest from Buffalo, the city worst hit by the winter storm that swept across the northeast United States. (Image credit: Getty)

MON 22:00 BBC News (w172ykqgrxrcw24)

The latest five minute news bulletin from BBC World Service.

MON 22:06 The Newsroom (w172yxr79vg2w3q)

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

MON 22:20 Sports News (w172yghh35r0z3f)

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

MON 22:30 BBC News Summary (w172ykr96nc27bj)

The latest two minute news summary from BBC World Service.

MON 22:32 World Business Report (w3ct3g2p)

Mo Ibrahim - founder of one of Africa's first mobile phone companies

Mo Ibrahim talks to Rahul Tandon about the challenges he faced setting up Celtel mobile phone company in Africa. He explains how he used scratchcards to provide people with a pay as you go service, why he sold the business and the development of the mobile phone industry. Mo Ibrahim also talks about setting up his own Foundation to support governance and leadership in Africa and why he thinks the continent needs to develop its own natural resources.

Photo by HOLLIE ADAMS/AFP via Getty Images

MON 23:00 BBC News (w172ykqgrxrczt8)

The latest five minute news bulletin from BBC World Service.

MON 23:06 HARDtalk (w3ct32g5)

[Repeat of broadcast at 08:06 today]

MON 23:30 BBC News Summary (w172ykr96nc2c2n)

The latest two minute news summary from BBC World Service.

MON 23:32 The Conversation (w3ct37mz)

[Repeat of broadcast at 04:32 today]

TUESDAY 27 DECEMBER 2022**TUE 00:00 BBC News (w172ykqgrxrd3kd)**

The latest five minute news bulletin from BBC World Service.

TUE 00:06 The History Hour (w3ct39m9)

[Repeat of broadcast at 20:06 on Sunday]

TUE 01:00 BBC News (w172ykqgrxrd79j)

The latest five minute news bulletin from BBC World Service.

TUE 01:06 Business Matters (w172ydg7sq5d46w)

An introduction to cryptocurrency

Cryptocurrency has had a difficult year - with the collapse of FTX which was once valued at more than \$30bn, unsettling the wider industry, sparking bankruptcy filings at other firms and further declines in crypto values. Rahul Tandon is joined by Peter Morici in the United States and Mehmal Sarfraz in Pakistan to look at the year Crypto has had - in the first of our week-long series on crypto, running across World Business Report and Business Matters.

Elsewhere we look at the snowstorms hitting the US, and discuss China and Covid in 2022.

PHOTO CREDIT: REUTERS/Dado Ruvic/File Photo

TUE 02:00 BBC News (w172ykqgrxrdc1n)

The latest five minute news bulletin from BBC World Service.

TUE 02:06 The Newsroom (w172y1835b3cpp1)

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

TUE 02:30 BBC News Summary (w172ykr96nc2qb1)

The latest two minute news summary from BBC World Service.

TUE 02:32 The Documentary (w3ct4m0y)

Escape from the Taliban: Point of no return

Sana Safi returns to the story of two Afghan women judges who have had to go into hiding after the Taliban takeover - and are now preparing to be evacuated for a second time.

Through encrypted networks and messages, Sana gets unprecedented access to the secretive operatives trying to get the women and their families out of the country.

It is a race against time as they now journey to the point of no return.

Producer: Paul Connolly
Editor: Simon Watts
Production co-ordinator(s): Sophie Hill & Siobhan Reed

(Photo: A group of women, lawyers and judges who fled Afghanistan following the Taliban takeover meet Greek President Katerina Sakellaropoulou, Athens, 12 October, 2021. Credit: Panayotis Tzamaros/Getty Images)

TUE 03:00 BBC News (w172ykqgrxrdgss)

The latest five minute news bulletin from BBC World Service.

TUE 03:06 Outlook (w3ct34pc)

[Repeat of broadcast at 12:06 on Monday]

TUE 03:50 Witness History (w3ct3b2v)

[Repeat of broadcast at 08:50 on Monday]

TUE 04:00 BBC News (w172ykqgrxrdl1x)

The latest five minute news bulletin from BBC World Service.

TUE 04:06 The Newsroom (w172y1835b3cy59)

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

TUE 04:30 BBC News Summary (w172ykr96nc2yt9)

The latest two minute news summary from BBC World Service.

TUE 04:32 In the Studio (w3ct3jk1)

The artist's muse

Looking back over a year of In The Studio, we consider the role of the artist's muse. Why does one subject suggest itself above all others, how does an artist then go about incorporating that subject into their work, and what, if any, are the pressures they feel?

From Nitin Sawhney's latest work marking the 60th anniversary of Benjamin Britten's War Requiem; through Sally Beamish, whose Proms composition was inspired by bees; to Yuri Herrera's historical novel about Mexican leader Benito Juárez, and Stephen Page, whose aboriginal-heritage inspired his dance work for Sydney Festival; to Elizabeth McGovern, who took Ava Gardner as her muse for her latest theatrical performance. We explore how each of these artists used their muse to create a work of art.

Presenter: Laura Hubber
Producer: Mohini Patel for the BBC World Service

TUE 05:00 BBC News (w172ykqgrxrdq91)
The latest five minute news bulletin from BBC World Service.

TUE 05:06 Newsday (w172yf8xjqxfhyg)
Death toll rises as big freeze grips North America

Winter storms across the United States are now known to have killed at least sixty people. President Biden has approved an emergency declaration allowing federal support for New York state, where the city of Buffalo has borne the brunt of the Arctic conditions.

And activists fight to save a teenage boy sentenced to death in Iran.

TUE 06:00 BBC News (w172ykqgrxrdv15)
The latest five minute news bulletin from BBC World Service.

TUE 06:06 Newsday (w172yf8xjqxfqpl)
South Korea vows to establish military drone unit

South Korea's president says he will strengthen the country's military and surveillance capabilities after North Korea flew five unmanned drones in the South's airspace on Monday.

Buffalo in New York state has borne the brunt of winter storms in the United States. Twenty-seven bodies have been recovered in the city with more expected to be found as cars are dug from the snow.

And international efforts to save a teenage boy sentenced to death in Iran.

TUE 07:00 BBC News (w172ykqgrxrdys9)
The latest five minute news bulletin from BBC World Service.

TUE 07:06 Newsday (w172yf8xjqxfllf)
South Korea criticises its response to North Korean drones

South Korea's president says he will strengthen the country's military and surveillance capabilities after North Korea flew five unmanned drones in the South's airspace on Monday. Yoon Suk-yeol said the incident showed his country's military readiness and training had been lacking.

And a multi-disciplinary team at the Open University are finding ways to extract water from lunar rock, with the idea that this could provide the basis for a continued human presence on the moon.

TUE 08:00 BBC News (w172ykqgrxrf2jf)
The latest five minute news bulletin from BBC World Service.

TUE 08:06 People Fixing The World (w3ct3j3h)
Micro-homes and sobercoins

A charity in the UK is building temporary wooden homes with just three small rooms.

The idea is to give people who've been sleeping rough or living in hostels a step on to the housing ladder.

We visit some of these 'micro-homes' in England and hear about a community of 'tiny homes' in Los Angeles.

Plus, we visit a project in Belgium that's trying to persuade young people to drink alcohol in moderation.

They've created 'sobercoins' which party-goers are given if they turn up at events sober – which they can then use to buy alcoholic drinks.

Presenter: Myra Anubi
Reporter/producers: Caroline Bayley and Richard Kenny
Series producer: Tom Colls
Sound mix: Hal Haines
Editor: Penny Murphy

Email: peoplefixingtheworld@bbc.co.uk

Image: Eamonn and his micro-home

TUE 08:30 BBC News Summary (w172ykr96nc3fst)
The latest two minute news summary from BBC World Service.

TUE 08:32 The Dark Is Rising (w3ct4lzw)
8. The Coming of the Cold

The Dark grips the country in unnatural frost, as deepening snow traps people indoors. Will needs the Fifth Sign, the Sign of Fire. Meanwhile, the frozen man Will rescued from the snow says the Dark is calling. Listen on headphones for 3D immersive sound. #TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney
Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

TUE 08:50 Witness History (w3ct3c4c)
Inventing Chicken Manchurian

Chef Nelson Wang created his signature dish Chicken Manchurian in 1975. It was the birth of modern Indo-Chinese cuisine which went on to become hugely popular around the world.

He went on to open China Garden, a Chinese restaurant in Mumbai that would draw in Bollywood's glitterati.

Nelson's son Edward Wang, who is also a chef, speaks to Reena Stanton-Sharma.

(Photo: Chicken Manchurian. Credit: Paul Yeung/South China Morning Post via Getty Images)

TUE 09:00 BBC News (w172ykqgrxrf68k)
The latest five minute news bulletin from BBC World Service.

TUE 09:06 The Newsroom (w172y1835b3djwy)
The world's Newsroom brings you global events as they happen

TUE 09:30 BBC News Summary (w172ykr96nc3kjy)
The latest two minute news summary from BBC World Service.

TUE 09:32 The Documentary (w3ct4m0y)
[Repeat of broadcast at 02:32 today]

TUE 10:00 BBC News (w172ykqgrxrfb0p)
The latest five minute news bulletin from BBC World Service.

TUE 10:06 The Arts Hour (w3ct3917)
[Repeat of broadcast at 20:06 on Saturday]

TUE 11:00 BBC News (w172ykqgrxrftrt)

The latest five minute news bulletin from BBC World Service.

TUE 11:06 The Newsroom (w172y1835b3dsd6)
The world's Newsroom brings you global events as they happen

TUE 11:30 BBC News Summary (w172ykr96nc3tl6)
The latest two minute news summary from BBC World Service.

TUE 11:32 In the Studio (w3ct3jk1)
[Repeat of broadcast at 04:32 today]

TUE 12:00 BBC News (w172ykqgrxrfkhy)
The latest five minute news bulletin from BBC World Service.

TUE 12:06 Outlook (w3ct353x)
The famous love songs written about me

As a model Pattie Boyd was the face of 1960s swinging London, but it was when she met and married George Harrison at the height of Beatlemania that she became even more famous. She tells us about the break-up of that marriage, and how she is still moved by the beauty of the songs George wrote about her, including Something. She went on to inspire more music when she met and married guitar legend Eric Clapton, including the hit song Layla — based on the Persian poem Layla and Majnun. Pattie tells Emily Webb how after both of her marriages ended she lost all sense of her own identity, and that photography helped her find it again. She has released a book of some of her most iconic photographs called Pattie Boyd: My Life in Pictures.

The clip of The Beatles' concert at Shea Stadium came from Apple Corps Ltd and the clip of Kenny Everett interviewing George Harrison came from Radio London.

Get in touch: outlook@bbc.com

Presenter: Emily Webb
Producer: June Christie

(Photo: George & Pattie Rose Garden. Credit: Pattie Boyd Archive)

TUE 12:50 Witness History (w3ct3c4c)
[Repeat of broadcast at 08:50 today]

TUE 13:00 BBC News (w172ykqgrxrfp82)
The latest five minute news bulletin from BBC World Service.

TUE 13:06 The Newsroom (w172y1835b3f0wg)
The world's Newsroom brings you global events as they happen

TUE 13:30 BBC News Summary (w172ykr96nc41jg)
The latest two minute news summary from BBC World Service.

TUE 13:32 Discovery (w3ct30ch)
[Repeat of broadcast at 20:32 on Monday]

TUE 14:00 BBC News (w172ykqgrxrf106)
The latest five minute news bulletin from BBC World Service.

TUE 14:06 Newshour (w172yfccw3jjbyh)
China races to curb rising COVID-19 cases

China distributes Pfizer medicine as it tackles rising COVID-19 cases; also in the programme Taiwan extends military service for men, and removing anti-personnel mines from the Lebanese-Israeli borders.

(Photo: A medic gives an elderly patient an IV drip in a Beijing hospital. Credit: Reuters)

TUE 15:00 BBC News (w172ykqgrxrfxb)
The latest five minute news bulletin from BBC World Service.

TUE 15:06 People Fixing The World (w3ct3j3h)
[Repeat of broadcast at 08:06 today]

TUE 15:30 BBC News Summary (w172ykr96nc490q)
The latest two minute news summary from BBC World Service.

TUE 15:32 World Business Report (w3ct3g9g)

China is starting to get back to normal

After three years of closed borders, China will effectively re-open on 8 January to those with work and study visas, and those seeking to visit family. The country has largely abandoned its zero-Covid policy - partly due to protests from fed-up citizens and partly because of the impact on the economy.

In the US many people are still in danger as the deadly snow storm dubbed as the blizzard of the century is battering parts of North America and Canada. At least 28 people have died in western New York state. Local authorities are warning people to stay home.

The war in Ukraine is affecting many people across the world. Even as the Russian offense continues - we take a look at the impact on Ukraine's rich businessmen, the so-called oligarchs, who wielded enormous influence and power in the country. They have lost billions - and with them much of their clout.

(Picture: China, Shanghai, people queuing up at hypermarket. Picture Credit: Getty Images)

TUE 16:00 BBC News (w172ykqgrxrg1hg)

The latest five minute news bulletin from BBC World Service.

TUE 16:06 BBC OS (w172yg1ynf2wfvj)

US winter storm

We get the latest from America after some New York State residents have been trapped in their cars for more than two days as the area, particularly Buffalo, faces the brunt of a brutal winter storm which has stretched from Canada to Mexico.

We hear a conversation between Ukrainians who were forced to flee their country due to the invasion and who are now living abroad, as they reflect on what the new year may bring and how life had changed for them in the past few months.

Our correspondent also explains why a high-level Ethiopian government team is in Mekelle, the capital of the northern Tigray region, for the first time in two years.

(Photo: Residents in western New York state are battling against fierce blizzard conditions. Credit: Getty Images)

TUE 17:00 BBC News (w172ykqgrxrg57l)

The latest five minute news bulletin from BBC World Service.

TUE 17:06 BBC OS (w172yg1ynf2wkln)

Kosovo: Serbia puts troops on high alert

The Serbian army says it is at its "highest level of combat readiness" after tensions between the country and Kosovo continue to escalate. President Aleksandar Vucic has said he will "take all measures to protect our people and preserve Serbia". Our correspondent Guy de Launey explains what this could mean for the two countries and for Europe.

We hear a conversation between Ukrainians who were forced to flee their country due to the invasion and who are now living abroad, as they reflect on what the new year may bring and how life had changed for them in the past few months.

A local weather reporter in Canada gives us the latest on the brutal winter storm currently battering parts of North America. We also hear from a reporter in Buffalo in New York state, which has faced the brunt of the cold. At least 28 people are believed to have died from the storm in the state, with some residents left trapped in their cars for more than two days.

(Photo - Kosovo's Security Force. Credit: Reuters)

TUE 18:00 BBC News (w172ykqgrxrg8zq)

The latest five minute news bulletin from BBC World Service.

TUE 18:06 Outlook (w3ct353x)

[Repeat of broadcast at 12:06 today]

TUE 18:50 Witness History (w3ct3c4c)

[Repeat of broadcast at 08:50 today]

TUE 19:00 BBC News (w172ykqgrxrgdqv)

The latest five minute news bulletin from BBC World Service.

TUE 19:06 The Newsroom (w172yl835b3frc7)

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

TUE 19:30 BBC News Summary (w172ykr96nc4s07)

The latest two minute news summary from BBC World Service.

TUE 19:32 Sport Today (w3ct4ld7)

2022/12/27 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 (w172ykqgrxrgjz)

The latest five minute news bulletin from BBC World Service.

TUE 20:06 The Documentary (w3ct4m0y)

[Repeat of broadcast at 02:32 today]

TUE 20:30 BBC News Summary (w172ykr96nc4wrc)

The latest two minute news summary from BBC World Service.

TUE 20:32 Digital Planet (w3ct31zh)

The Tech of 2022

We're looking back on the technology year that was 2022. We go firstly to Ukraine to look at the booming tech industry before the war and discuss how that is doing now. Also how the cybersecurity declaration signed in Africa is already leading to the beginnings of a legal and regulatory framework across the continent. There was trouble for visually impaired patients using an implant to improve their sight - with some of the hardware becoming obsolete and finally the amazing popularity of flight tracking apps.

The programme is presented by Gareth Mitchell with expert commentary from Ghislaine Boddington, Angelica Mari and Bill Thompson.

Studio Manager: Donald MacDonald

Producers: Ania Lichtarowicz and Alun Beach

(Image: Getty Images)

TUE 21:00 BBC News (w172ykqgrxrgn73)

The latest five minute news bulletin from BBC World Service.

TUE 21:06 Newshour (w172yfccw3jk65d)

China: rush to book travel as borders reopen

People in China are rushing to book overseas travel after Beijing said it would reopen its borders next month. It follows an announcement on Monday that ended almost three years of strict quarantine rules for arrivals. The easing of travel rules in China comes as the country battles a new wave of infections, with reports of hospitals being overwhelmed. Also on the programme: over 60 people are now known to have died in the United States after a monster winter storm battered North America. And we look at the rise in popularity of non-alcoholic drinks in the United Kingdom. (Image: taken in Shanghai, 27 Dec 2022. ALEX PLAVEVSKI/EPA-EFE/REX/Shutterstock)

TUE 22:00 BBC News (w172ykqgrxrgz7)

The latest five minute news bulletin from BBC World Service.

TUE 22:06 The Newsroom (w172yrx79vg5s0t)

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

TUE 22:20 Sports News (w172yghh35r3w0j)

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

TUE 22:30 BBC News Summary (w172ykr96nc547m)

The latest two minute news summary from BBC World Service.

TUE 22:32 World Business Report (w3ct3gcq)

Travel rush as China reopens borders

China has announced it will drop international travel restrictions after almost three years, prompting a surge in Chinese citizens booking overseas trips. That's despite reports of hospitals 'overflowing' with Covid cases.

We'll have the latest on Russia's decision to ban oil sales to countries which adopted a price cap.

It's also Crypto Week here at World Business Report; and following the demise of FTX earlier this year, we're looking at the thorny issue of regulation.

(Picture: Government staff disinfect an airport in Wuhan.

Credit: Getty Images.)

TUE 23:00 BBC News (w172ykqgrxrgwqc)

The latest five minute news bulletin from BBC World Service.

TUE 23:06 People Fixing The World (w3ct3j3h)

[Repeat of broadcast at 08:06 today]

TUE 23:30 BBC News Summary (w172ykr96nc57zr)

The latest two minute news summary from BBC World Service.

TUE 23:32 In the Studio (w3ct3jk1)

[Repeat of broadcast at 04:32 today]

WEDNESDAY 28 DECEMBER 2022

WED 00:00 BBC News (w172ykqgrxrh0gh)

The latest five minute news bulletin from BBC World Service.

WED 00:06 The Arts Hour (w3ct3917)

[Repeat of broadcast at 20:06 on Saturday]

WED 01:00 BBC News (w172ykqgrxrh46m)

The latest five minute news bulletin from BBC World Service.

WED 01:06 Business Matters (w172ydq7sq5h13z)

Crypto Week: Time to regulate?

It's been another year of ups and downs for cryptocurrencies. In the second episode of our week-long series, we ask whether it's time to control how - and by who - they are used. This edition features an interview with Urban Anghern, the CEO of Switzerland's financial regulator.

Elsewhere on the programme, we explore China's decision to reopen its borders in early 2023; and hear from a US-based ice-breaking business about the recent extreme weather.

(Picture: A Bitcoin ATM next to a row of traditional bank ATMs in Istanbul, Turkey. Credit: Getty Images.)

WED 02:00 BBC News (w172ykqgrxrh7yr)

The latest five minute news bulletin from BBC World Service.

WED 02:06 The Newsroom (w172yl835b3gl4)

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

WED 02:30 BBC News Summary (w172ykr96nc5m74)

The latest two minute news summary from BBC World Service.

WED 02:32 The Compass (w3ct4lyx)

Bhopal

Bhopal: Part two

Rajkumar Keswani uncovers a web of nepotism between Union Carbide, government officials and journalists. His newspaper articles warning of the dangers at the chemical plant go ignored. But he perseveres, as far as the Supreme Court. After he's tried every channel, his worst fears come to pass.

WED 03:00 BBC News (w172ykqgrxrhcpw)

The latest five minute news bulletin from BBC World Service.

WED 03:06 Outlook (w3ct353x)

[Repeat of broadcast at 12:06 on Tuesday]

WED 03:50 Witness History (w3ct3c4c)

[Repeat of broadcast at 08:50 on Tuesday]

WED 04:00 BBC News (w172ykqgrxrhg0)

The latest five minute news bulletin from BBC World Service.

WED 04:06 The Newsroom (w172yl835b3gv2d)

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

WED 04:30 BBC News Summary (w172ykr96nc5vqd)

The latest two minute news summary from BBC World Service.

WED 04:32 The Fake Paralympians (w3ct2gz4)

6. Fallout

After years in the wilderness, athletes with a learning disability are back at the London 2012 Paralympics - and Dan is among them. There are new tests designed to stop cheating. Do they work? And why, 21 years on from the basketball scandal, are there still fewer medals for intellectual impairment athletes than there were at Sydney 2000?

Plus Dan catches up one last time with Ray, the genuinely disabled captain of the infamous Spanish basketball team. The scandal has taken a big toll on his life.

Presenter: Dan Pepper
Series Producer: Simon Maybin
Editor: Emma Rippon

(Photo credit: EPA)

WED 05:00 BBC News (w172ykqgrxrhmf64)

The latest five minute news bulletin from BBC World Service.

WED 05:06 Newsday (w172yf8xjxqj7vk)

Live news, business and sport from around the world.

WED 06:00 BBC News (w172ykqgrxrhqy8)

The latest five minute news bulletin from BBC World Service.

WED 06:06 Newsday (w172yf8xjxqjclp)

Civilians in Ukrainian city of Kherson told to leave as Russian bombardments intensify

Civilians in the Ukrainian city of Kherson have been told to leave to save their lives as Russian bombardments intensify in the region.

We'll get a report on the exodus from Kherson that has become a flash point on the front line, only weeks after it was liberated.

Also in the programme, the Serbian army has been put on its highest level of readiness as tensions with Kosovo escalate.

WED 07:00 BBC News (w172ykqgrxrhvdp)

The latest five minute news bulletin from BBC World Service.

WED 07:06 Newsday (w172yf8xjxqjhbtt)

Civilians in the Ukrainian city of Kherson have been told to leave to save their lives

Civilians in the Ukrainian city of Kherson have been told to leave to save their lives as Russian bombardments intensify.

We'll get a report on the exodus from Kherson that has become a flashpoint on the front line, only weeks after it was liberated.

Also in the programme, a deadly blizzard in the US has killed more than 60 people, we'll hear from a resident in the city of Buffalo, which has nearly half of the confirmed deaths.

WED 08:00 BBC News (w172ykqgrxrhzfj)

The latest five minute news bulletin from BBC World Service.

WED 08:06 HARDtalk (w3ct32g9)

Tova Friedman: Learning from history

Stephen Sackur speaks to Tova Friedman, one of the youngest survivors of Auschwitz. Never has it felt more important to remember the lessons of one of history's greatest crimes, the Nazi genocide of the Jews. Europe is again witnessing a war of aggression, anti-Semitism is on the rise in many countries, and surveys of young people reveal alarming ignorance of the Holocaust. Now in her eighties, Tova Friedman has written a memoir and taken to social media to tell her story. Is the world listening?

WED 08:30 BBC News Summary (w172ykr96nc6bpx)

The latest two minute news summary from BBC World Service.

WED 08:32 The Dark Is Rising (w3ct4lzx)

9. Hawk in the Dark

Will is terrified. The thunderous knocking on the door can only mean one thing – it is The Rider, ready to attack. The Walker has been emboldened by the Dark and summons ice candles which bring a terrible chill, even as they burn. Will discovers the awful truth of The Walker's identity. Listen on headphones for 3D immersive sound. #TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney
Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

WED 08:50 Witness History (w3ct3c6m)

Malta's bread strike

In February 1977 the bakers of Malta went on an unprecedented strike.

It sent shock waves through the Maltese people who couldn't imagine life without their favourite food... bread.

Before long the military was guarding bakeries, the panicked population had created a bread black market and local prisoners were enlisted to bake for the public.

Forty-five years later Maltese cultural historian Noel Buttigieg shares his memories of the time, with Anoushka Mutanda-Dougherty.

(Photo: A queue outside of a bakery during the 1977 strike.
Credit: Noel Buttigieg)

WED 09:00 BBC News (w172ykqgrxjr35n)

The latest five minute news bulletin from BBC World Service.

WED 09:06 The Newsroom (w172yl835b3hft1)

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

WED 09:30 BBC News Summary (w172ykr96nc6gg1)

The latest two minute news summary from BBC World Service.

WED 09:32 The Compass (w3ct4lyx)

[Repeat of broadcast at 02:32 today]

WED 10:00 BBC News (w172ykqgrxjrj6xs)

The latest five minute news bulletin from BBC World Service.

WED 10:06 The Documentary (w3ct4lyz)

[Repeat of broadcast at 12:06 on Saturday]

WED 11:00 BBC News (w172ykqgrxjrjbnx)

The latest five minute news bulletin from BBC World Service.

WED 11:06 The Newsroom (w172yl835b3hp99)

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

WED 11:30 BBC News Summary (w172ykr96nc6py9)

The latest two minute news summary from BBC World Service.

WED 11:32 The Fake Paralympians (w3ct2gz4)

[Repeat of broadcast at 04:32 today]

WED 12:00 BBC News (w172ykqgrxjrjgfl)

The latest five minute news bulletin from BBC World Service.

WED 12:06 Outlook (w3ct3y9h)

Anick and Destin, the miracle conjoined twins of DR Congo

Born in a remote village, the successful operation to separate conjoined twins Anick and Destin was a first for the Democratic Republic of Congo in 2017. After giving birth to the twins, naturally, in a rural medical centre, their mother Claudine Mukhena realised the girls' only chance for survival lay a day's journey away, at a hospital in the regional centre of Vanga. With her husband Zaiko, she undertook a perilous day-long journey on dirt roads, the whole family crowded on one motorbike, to get her daughters treatment. At Vanga hospital the family met Dr Junior Mudji, who organised the pioneering operation to separate the twins at Kinshasa hospital, 300 miles away. Against difficult odds, the twins survived, and their story travelled around the world. Then all contact with the family was lost.

Now Dr Junior Mudji and Claudine Mukhena, together with Jo Lamb of medical aviation charity MAF, tell the remarkable story of Anick and Destin's birth, their separation — and their lives since then.

Get in touch: outlook@bbc.com

Producer: Laura Thomas
Presenter: Emily Webb

(Photo: Anick and Destin. Credit: Jaclyn Reiersen, MAF)

WED 12:50 Witness History (w3ct3c6m)

[Repeat of broadcast at 08:50 today]

WED 13:00 BBC News (w172ykqgrxjrj155)

The latest five minute news bulletin from BBC World Service.

WED 13:06 The Newsroom (w172yl835b3hxsk)

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

WED 13:30 BBC News Summary (w172ykr96nc6yfk)

The latest two minute news summary from BBC World Service.

WED 13:32 Digital Planet (w3ct3lzh)

[Repeat of broadcast at 20:32 on Tuesday]

WED 14:00 BBC News (w172ykqgrxjrjpx9)

The latest five minute news bulletin from BBC World Service.

WED 14:06 Newshour (w172yfccw3jm7v1)

Recently-liberated Kherson shelled by Russian forces

Recently-liberated Kherson shelled by Russian forces; also in the programme the Iranian families seeking justice for jailed protesters; we ask is the Philippines heading towards a food crisis? A new blood test could detect Alzheimer's early; and the final chapter of a London bookshop.

(Cars burn on a street in Kherson after a Russian military strike, December 24, 2022. Credit: Reuters)

WED 15:00 BBC News (w172ykqgrxjrjtnf)

The latest five minute news bulletin from BBC World Service.

WED 15:06 HARDtalk (w3ct32g9)

[Repeat of broadcast at 08:06 today]

WED 15:30 BBC News Summary (w172ykr96nc75xt)

The latest two minute news summary from BBC World Service.

WED 15:32 World Business Report (w3ct3gfh)

Chinese tourists flock to travel websites

After three years of closed borders, China will effectively re-open on January 8th to those with work and study visas, and those seeking to visit their family and have holidays abroad. Thousands of travellers from China are likely to boost the multi-billion dollar travel business soon.

Multi-billionaire Elon Musk has sold another 22 million shares, worth \$3.58bn (£2.9bn), in the electric car maker Tesla. Investors have been concerned that demand for the company's electric cars may slow, as the economy weakens, higher borrowing costs discourage buyers and other companies boost their electric vehicle offerings.

Throughout this week on World Business Report on the BBC World Service, we're looking at all things crypto. It's a hugely complex area, with supporters of cryptocurrencies claiming that it banks the unbanked, and democratises financial services - while critics say cryptocurrencies have no intrinsic value, are

hugely volatile - and actually not that useful for every day purchases.

(Picture: Young handsome Asian man making order from the digital menu on smartphone in restaurant. Credit: Getty Images)

WED 16:00 BBC News (w172ykqgrxrjydk)

The latest five minute news bulletin from BBC World Service.

WED 16:06 BBC OS (w172yg1ynf2zbrm)

Ukraine war: Shelling of Kherson

A BBC team in southern Ukraine has seen hundreds of people fleeing continued shelling of Kherson -- the city liberated from Russian forces only last month. We speak to a resident who is still in the city. We also turn to our regular BBC expert Vitaly Shevchenko -- himself Ukrainian -- to hear his personal insights and reflections ten months on since the start of the conflict.

Taiwan is the latest place to announce restrictions on visitors from China where Covid infections and deaths continue to rise. We look at the situation in China and elsewhere in the region.

We speak to a couple in the Philippines who run an organisation called "Art Relief Mobile Kitchen" to help feed people in times of natural disasters.

India's sports minister says the country is "seriously" considering a bid to host the 2036 Olympic Games. We hear what Indians think about the idea.

(Photo: Cars burn on a street after a Russian military strike, amid Russia's attack of Ukraine, in Kherson, Ukraine December 24, 2022. Credit: Ukrainian Presidential Press Service/Handout via REUTERS)

WED 17:00 BBC News (w172ykqgrxrk24p)

The latest five minute news bulletin from BBC World Service.

WED 17:06 BBC OS (w172yg1ynf2zgghr)

Philippines: Hot meals in disaster zones

We speak to a couple in the Philippines who run an organisation called "Art Relief Mobile Kitchen" and cook hot meals for people in times of natural disasters.

BBC team in southern Ukraine has seen hundreds of people fleeing continued shelling of Kherson -- the city liberated from Russian forces only last month. We speak to a resident who is still in the city.

Taiwan is the latest place to announce restrictions on visitors from China where Covid infections and deaths continue to rise. We look at the situation in China and elsewhere in the region.

(Photo: Precious Leano and Alex Baluyut. Credit: Luis Liwanag)

WED 18:00 BBC News (w172ykqgrxrk5wt)

The latest five minute news bulletin from BBC World Service.

WED 18:06 Outlook (w3ct3y9h)

[Repeat of broadcast at 12:06 today]

WED 18:50 Witness History (w3ct3c6m)

[Repeat of broadcast at 08:50 today]

WED 19:00 BBC News (w172ykqgrxrk9my)

The latest five minute news bulletin from BBC World Service.

WED 19:06 The Newsroom (w172y1835b3jn8b)

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

WED 19:30 BBC News Summary (w172ykr96nc7nxb)

The latest two minute news summary from BBC World Service.

WED 19:32 Sport Today (w3ct4lgh)

2022/12/28 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 (w172ykqgrxrkd2)

The latest five minute news bulletin from BBC World Service.

WED 20:06 The Compass (w3ct4lyx)

[Repeat of broadcast at 02:32 today]

WED 20:30 BBC News Summary (w172ykr96nc7sng)

The latest two minute news summary from BBC World Service.

WED 20:32 Health Check (w3ct32xj)

Can you knit away your worries?

Many people say that knitting or crochet helped ease their anxiety during the Covid-19 lockdowns. Claire Anketell set up free Yarn for Mental Health courses in Northern Ireland last year and Gemma McAdam says crochet helped to reduce her stress levels and she's now making blankets.

Esther Rutter's book This Golden Fleece: A Journey through Britain's Knitted History aims to unpick what textiles mean to us - including how they became part of the treatment for mental health problems. Learning a skill by following a pattern, connecting with other people and being distracted from everyday worries tick some of the boxes which we associate with wellbeing. But it's hard to pin down exactly which elements can boost our mood. Dr Sarah McKay author of The Woman's Brain Book: the Neuroscience of Health, Hormones and Happiness assesses whether we need hard evidence to carry on casting on.

The charity Fine Cell Work has been teaching prisoners embroidery, needlepoint and quilting for 25 years. CEO Victoria Gillies says the idea is to rehabilitate prisoners and ex-prisoners as they sew high-quality elaborate cushions and footstools. We hear about the difference it's made to stitchers like Ben.

Presenter: Claudia Hammond

Producer: Paula McGrath

WED 21:00 BBC News (w172ykqgrxrkk46)

The latest five minute news bulletin from BBC World Service.

WED 21:06 Newshour (w172yfccw3jn32h)

Zelensky hails Ukraine as symbol for the world

A special report from Kherson in Southern Ukraine as Russian forces step up mortar and artillery attacks on the recently liberated city. Newshour speaks to a Ukrainian government advisor.

Also in the programme: Italy imposes restrictions on Chinese travellers; and unrest in Kosovo.

(Picture: A Ukrainian service member attends a military exercise session near the border with Belarus, amid Russia's attack on Ukraine, in Zhytomyr region, Ukraine December 27, 2022. Credit: REUTERS/Viacheslav Ratynskiy)

WED 22:00 BBC News (w172ykqgrxrknwb)

The latest five minute news bulletin from BBC World Service.

WED 22:06 The Newsroom (w172yrx79vg8nxx)

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

WED 22:20 Sports News (w172yghh35r6rxm)

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

WED 22:30 BBC News Summary (w172ykr96nc814q)

The latest two minute news summary from BBC World Service.

WED 22:32 World Business Report (w3ct3gj7)

How China reopening will hit global travel

The US is the latest country to enhance testing requirements for arrivals, after Beijing announced plans to reopen international travel in and out of China. We explore whether the 'great reopening' will affect global travel markets for better or worse.

Also on the programme, after a tough year for Elon Musk, one analyst tells us why it's far from the end of the road for Tesla.

(Picture: An official surveys the departures board at Shanghai Pudong International Airport. Credit: Getty Images.)

WED 23:00 BBC News (w172ykqgrxrksmg)

The latest five minute news bulletin from BBC World Service.

WED 23:06 HARDtalk (w3ct32g9)

[Repeat of broadcast at 08:06 today]

WED 23:30 BBC News Summary (w172ykr96nc84wv)

The latest two minute news summary from BBC World Service.

WED 23:32 The Fake Paralympians (w3ct2gz4)

[Repeat of broadcast at 04:32 today]

THURSDAY 29 DECEMBER 2022

THU 00:00 BBC News (w172ykqgrxrkxcl)

The latest five minute news bulletin from BBC World Service.

THU 00:06 The Documentary (w3ct4lyz)

[Repeat of broadcast at 12:06 on Saturday]

THU 01:00 BBC News (w172ykqgrxr13q)

The latest five minute news bulletin from BBC World Service.

THU 01:06 Business Matters (w172ydg7sq5ky12)

What happens when China's borders open?

The end of China's strict Covid travel rules has come as a relief to passengers and the tourism industry - but concerns have been raised about the spread of the virus. We look at what it could all mean for the global economy.

Also on the programme, a look back at 2022 in film - and why it's been The Year of the Sequel.

(Picture: Health workers share leaflets with cleaners in Nantong city, Jiangsu province, China. Credit: Getty Images.)

THU 02:00 BBC News (w172ykqgrxr14vv)

The latest five minute news bulletin from BBC World Service.

THU 02:06 The Newsroom (w172y1835b3khh7)

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

THU 02:30 BBC News Summary (w172ykr96nc8j47)

The latest two minute news summary from BBC World Service.

THU 02:32 Assignment (w3ct304q)

Fighting 'fat-phobia' in Brazil

As in many countries, obesity in Brazil is a major issue with one in four Brazilians now classified as obese and more than half the population overweight. But rather than focusing just on trying to lower this rate by promoting exercise and healthier ways of eating, campaigners and some city councils are successfully implementing changes, which accept that high rates of obesity are probably here to stay and society should adapt to this.

These changes include schools buying bigger chairs and desks, hospitals buying bigger beds and MRI machines and theatres offering wider seats. Brazilian lawyers are starting to make legal challenges, particularly against discrimination in the workplace. Women are holding plus sized beauty contests to celebrate their larger bodies. Schools are hosting discussion clubs where they talk about how body shapes are perceived by their peers and wider society.

Even so, campaigners say there is a long way to go for bigger bodies to be culturally accepted in Brazil and overcoming what is known as "gordofobia" – belittling or discriminating against people who are larger than average. Camilla Mota travels to the south-eastern coastal city of Vitoria to meet a plus size influencer and a lawyer campaigning to stop discrimination and trying to make the city more tolerant. She then flies 1500km north to another port city, Recife, where some changes have now taken place. Is this transformation away from the stereotypical "body beautiful" only skin deep or the shape of things to come across the western world?

Presenter: Camilla Mota

Producer: Bob Howard

THU 03:00 BBC News (w172ykqgrxr18lz)

The latest five minute news bulletin from BBC World Service.

THU 03:06 Outlook (w3ct3y9h)

[Repeat of broadcast at 12:06 on Wednesday]

THU 03:50 Witness History (w3ct3c6m)

[Repeat of broadcast at 08:50 on Wednesday]

THU 04:00 BBC News (w172ykqgrxrlc3)

The latest five minute news bulletin from BBC World Service.

THU 04:06 The Newsroom (w172y1835b3kqzh)

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

THU 04:30 BBC News Summary (w172ykr96nc8rmh)

The latest two minute news summary from BBC World Service.

THU 04:32 The Food Chain (w3ct38nz)

Cooking with love

Why hold on to an old clay pot, a worn-out metal spoon, or a plain glass bowl?

Earlier this year, we made a programme celebrating old and cherished cookware and received a huge response from World Service listeners.

So, in this edition, Ruth Alexander hears your stories of the poignance that can be found in the most unassuming kitchen utensil, and explores a few other tales we've uncovered of cooking with love.

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

Producer: Elisabeth Mahy
Researcher: Siobhan O'Connell

THU 05:00 BBC News (w172ykqgrxrlj37)

The latest five minute news bulletin from BBC World Service.

THU 05:06 Newday (w172yf8xjxqm4rn)

Covid testing for visitors from China

European Union health officials are meeting to decide on a coordinated response after China announced it was easing its foreign travel restrictions next week despite rising Covid cases. The United States, as well as several of China's Asian neighbours, are imposing Covid testing for Chinese visitors.

And according to a new study, information on food packaging that indicates the level of planet-heating gases emitted during production can persuade consumers against carbon-heavy meal options.

THU 06:00 BBC News (w172ykqgrxrlmvc)

The latest five minute news bulletin from BBC World Service.

THU 06:06 Newday (w172yf8xjxqm8hs)

Chinese Visitors: US requires negative Covid test

The United States has become the latest country to require mandatory Covid tests for Chinese visitors from the fifth of January. This came as China announced it would reopen its borders despite the explosion of infections that followed the dismantling of Beijing's zero-Covid policy.

The United Nations has suspended some of its aid programmes in Afghanistan following the ban by the Taliban on female NGO workers. The UN and major aid groups said women's participation in aid delivery was not negotiable.

And a new Israeli government is set to be sworn in today, which will be the most religious and hard-line in the country's history.

THU 07:00 BBC News (w172ykqgrxrlrlh)

The latest five minute news bulletin from BBC World Service.

THU 07:06 Newday (w172yf8xjxqmd7x)

US to impose Covid-19 tests for travellers from China

European Union health officials are meeting today to decide on a co-ordinated response after China announced it was easing its foreign travel restrictions despite its rising Covid cases. The United States, as well as several of China's Asian neighbours, are imposing Covid testing for Chinese visitors.

A new Israeli government is set to be sworn in today, which will be the most religious and hard-line in the country's history.

And the school in Texas, where every student is a teenage mother.

THU 08:00 BBC News (w172ykqgrxrlwbm)

The latest five minute news bulletin from BBC World Service.

THU 08:06 The Inquiry (w3ct39t1)

How do you live to be 100?

There was a time when living to 100 seemed impossible, but not any longer.

Can the process of ageing be slowed or even reversed? Do those who have already lived to 100 hold the secrets that will help us all live longer?

While science tries to find the answers to living a long and healthy life, societies with ageing populations, such as Japan, are finding new ways to help their older population live active and connected lives.

On the Inquiry this week, Charmain Cozier asks, how do we live to 100?

Presenter: Charmaine Cozier

Produced by: Louise Clarke-Rowbotham and Ravi Naik

Editor: Tara McDermott

(Chocolate 100th Birthday Cake. Credit: Getty images)

THU 08:30 BBC News Summary (w172ykr96nc97m0)

The latest two minute news summary from BBC World Service.

THU 08:32 The Dark Is Rising (w3ct4lzy)

10. The King of Fire and Water

Will's sister is missing. He searches through driving rain and melting snow to find her, as a road becomes a river. The great white horse again comes to his aid and, when lightning strikes, a ship rises bearing a long-dead king. Listen on headphones for 3D immersive sound. #TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney

Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

THU 08:50 Witness History (w3ct3c23)

Inventing instant noodles

In August 1958, the Japanese entrepreneur, Momofuku Ando, came up with the idea of a brand new food product that would change the eating habits of people across the world.

In 2018, Ashley Byrne spoke to Yukitaka Tsutsui, an executive for the company founded by Ando, about the birth of the Instant Noodle.

A Made in Manchester production for BBC World Service.

(Photo: Momofuku Ando holding noodles. Credit: Getty Images)

THU 09:00 BBC News (w172ykqgrxrm02r)

The latest five minute news bulletin from BBC World Service.

THU 09:06 The Newsroom (w172y1835b3lbq4)

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

THU 09:30 BBC News Summary (w172ykr96nc9cc4)

The latest two minute news summary from BBC World Service.

THU 09:32 Assignment (w3ct304q)

[Repeat of broadcast at 02:32 today]

THU 10:00 BBC News (w172ykqgrxrm3tw)

The latest five minute news bulletin from BBC World Service.

THU 10:06 The Forum (w3ct38th)

The Cynics: Counter-culture from Ancient Greece

Today's counter-culture and alternative movements question mainstream norms, such as putting too much value on material possessions. The Cynics, practical philosophers of ancient Greece and Rome, also rejected conventional desires to seek wealth, power and fame. They were not your usual kind of philosophers: rather than lecturing or writing about their ideas, they acted out their beliefs by denying themselves worldly possessions and tried to live as simply as possible. Their leader, Diogenes of Sinope, allegedly slept in a ceramic jar on the streets of Athens and ate raw meat like a dog, flouting convention to draw attention to his ideas.

So who were the Cynics? How influential was their movement? What made it last some 900 years? And why does the term 'cynicism' have a different meaning today?

Bridget Kendall is joined by three eminent scholars of Greek philosophy:
Dr. William Desmond, Senior Lecturer in Ancient Classics at Maynooth University in Ireland and author of several books on the Cynics;
Dr. Elena Cagnoli Fieconi, Lecturer in Ancient Philosophy at University College London;
and Mark Usher, Professor of Classical Languages and Literature at the University of Vermont and author of new Cynic translations into English.

(Image: The meeting of Alexander and Diogenes, detail from a tapestry, Scotland. Credit: DEA/S. Vannini/Getty Images)

THU 10:50 Sporting Witness (w3ct36gn)

The Maccabiah Games

The first Maccabiah Games, a multi-sport event for Jewish athletes, were held in 1932.

They now take place every four years in Israel.

Rachel Naylor speaks to Carina Benninga, who won a gold medal in 1989, as captain of the Dutch hockey team.

(Photo: Carina Benninga, top row, second from left, and the Dutch hockey team at the Maccabiah Games in 1989. Credit: Carina Benninga)

THU 11:00 BBC News (w172ykqgrxrm710)

The latest five minute news bulletin from BBC World Service.

THU 11:06 The Newsroom (w172y1835b3ll6d)

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

THU 11:30 BBC News Summary (w172ykr96nc9lvd)

The latest two minute news summary from BBC World Service.

THU 11:32 The Food Chain (w3ct38nz)

[Repeat of broadcast at 04:32 today]

THU 12:00 BBC News (w172ykqgrxrmcb4)

The latest five minute news bulletin from BBC World Service.

THU 12:06 Outlook (w3ct34x4)

Young hearts run free: The life and soul of Candi Staton

If you've listened closely to the lyrics of the disco anthem Young Hearts Run Free, you'll know that the joyous melody belies the pain and hardship of the words. The song was written for and about Candi Staton. She's been called the First Lady of Southern Soul, a disco diva; she's also known for her gospel work, and for a new generation she is the Queen of House. Her career started early, as a teenager, singing gospel at a time when racial segregation in the US was still enshrined in law. In seven decades in the music industry, Candi has received four Grammy nominations for her work.

Please note this episode contains a frank discussion about shocking and violent racism. This includes references to strongly racist language, and extreme physical abuse

Candi's 31st album, Back to My Roots, will be released in 2023.

Get in touch: outlook@bbc.com

Presenter: Emily Webb
Producer: Andrea Kennedy

(Picture: Candi Staton. Credit: Alan Mercer)

THU 12:50 Witness History (w3ct3c23)
[Repeat of broadcast at 08:50 today]

THU 13:00 BBC News (w172ykqgrxrmh28)
The latest five minute news bulletin from BBC World Service.

THU 13:06 The Newsroom (w172yl835b3ltpn)
The world's Newsroom brings you global events as they happen

THU 13:30 BBC News Summary (w172ykr96nc9vbn)
The latest two minute news summary from BBC World Service.

THU 13:32 Health Check (w3ct32xj)
[Repeat of broadcast at 20:32 on Wednesday]

THU 14:00 BBC News (w172ykqgrxrmltd)
The latest five minute news bulletin from BBC World Service.

THU 14:06 Newshour (w172yfccw3jq4rp)
Russia fires dozens of missiles at Ukrainian cities

Cities across Ukraine have been targeted by a wave of Russian missile strikes, in one of the largest bombardments since the war began.

At least three people - including a 14-year-old girl - were taken to hospital after explosions hit the capital Kyiv and blasts were also heard in the cities of Kharkiv, Odesa, and Lviv.

We hear from the head of Ukrainian military intelligence about his thoughts on the current situation.

Also in the programme: As Israel's most right-wing government is sworn in - we discuss what impact it will have at home and abroad; and with American states tightening their abortion rules - we hear from a school in Texas for teenage mothers.

(Photo shows a house destroyed by a Russian missile strike in Kyiv, Ukraine on 29 December 2022. Credit: Press service of the State Emergency Service of Ukraine/Reuters)

THU 15:00 BBC News (w172ykqgrxrmqkj)
The latest five minute news bulletin from BBC World Service.

THU 15:06 The Inquiry (w3ct39t1)
[Repeat of broadcast at 08:06 today]

THU 15:30 BBC News Summary (w172ykr96ncb2tx)
The latest two minute news summary from BBC World Service.

THU 15:32 World Business Report (w3ct3g4y)
China's reopening sparks concern abroad

A number of countries mull bringing back mandatory Covid testing for visitors coming from China as a wave of coronavirus infections spreads across the world's second economy. We hear the latest from our correspondent in Hong Kong.

Also in the programme, we go back to one of the big stories of 2022: the impact of the war in Ukraine on the global supply of grain. We explore what has changed for the industry as well as the expectations for 2023. And we also look at Japan's latest attempt to persuade more young people to move out of the city and into the countryside.

(Picture: A passenger airplane lands in Beijing Capital International Airport in Beijing, China. Picture credit: EPA)

THU 16:00 BBC News (w172ykqgrxrmv9n)
The latest five minute news bulletin from BBC World Service.

THU 16:06 BBC OS (w172yg1ynf327nq)
Russia fires dozens of missiles across Ukraine

Russia has launched a major missile attack from air and the sea on Ukrainian cities. Residents of a number of cities including Kharkiv, Odesa, Lviv and the capital Kyiv rushed to shelters as air raid sirens sounded. We hear from people who share their experiences of the attacks.

At least 19 people have been killed in a huge fire at a casino

hotel in Cambodia. We hear more from our reporter.

Violent protests have broken out in Bolivia following the arrest of a powerful opposition politician. We explain why Luis Fernando Camacho, the right-wing governor of Santa Cruz, has been arrested.

We catch up with three Sri Lankans who share what life has been like since they spoke to us earlier in the year during the mass protests over the dramatic fuel shortages in their country.

(Photo: A local resident Yana stands with a friend next to her mother's house damaged during a Russian missile strike, amid Russia's attack on Ukraine, in Kyiv, Ukraine December 29, 2022. Credit: Valentyn Ogirenko/Reuters)

THU 17:00 BBC News (w172ykqgrxrmz1s)
The latest five minute news bulletin from BBC World Service.

THU 17:06 BBC OS (w172yg1ynf32cdv)
Sri Lanka's economic crisis

We catch up with three Sri Lankans who share what life has been like since they spoke to us earlier in the year during mass protests over the dramatic fuel shortages and price rises in their country.

Russia has launched a major missile attack from air and the sea on Ukrainian cities. Residents of a number of cities including Kharkiv, Odesa, Lviv and the capital Kyiv rushed to shelters as air raid sirens sounded. We hear from people who share their experiences of the attacks.

Violent protests have broken out in Bolivia following the arrest of a powerful opposition politician. We explain why Luis Fernando Camacho, the right-wing governor of Santa Cruz, has been arrested.

(Photo: People buy vegetables, rations and other essentials for their daily living at a local market in Colombo, Sri Lanka, 25 August 2022. Credit by CHAMILA KARUNARATHNE/EPA-EFE/REX/Shutterstock)

THU 18:00 BBC News (w172ykqgrxrm2sx)
The latest five minute news bulletin from BBC World Service.

THU 18:06 Outlook (w3ct34x4)
[Repeat of broadcast at 12:06 today]

THU 18:50 Witness History (w3ct3c23)
[Repeat of broadcast at 08:50 today]

THU 19:00 BBC News (w172ykqgrxrm6k1)
The latest five minute news bulletin from BBC World Service.

THU 19:06 The Newsroom (w172yl835b3mk5f)
The world's Newsroom brings you global events as they happen

THU 19:30 BBC News Summary (w172ykr96ncbktf)
The latest two minute news summary from BBC World Service.

THU 19:32 Sport Today (w3ct4l9z)
2022/12/29 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 (w172ykqgrxrm95)
The latest five minute news bulletin from BBC World Service.

THU 20:06 Assignment (w3ct304q)
[Repeat of broadcast at 02:32 today]

THU 20:30 BBC News Summary (w172ykr96ncbpbk)
The latest two minute news summary from BBC World Service.

THU 20:32 Science In Action (w3ct36b4)
The James Webb Space Telescope: The first six months

Nasa's James Webb Space Telescope has produced amazing images, and amazing science, in its first five months. Roland Pease hears from one of the leading astronomers on the JWST programme, Dr Heidi Hammel, as well as other experts on what they are already learning about the first galaxies in the Universe, the birthplaces of stars, the strange behaviour of some

other stars, and the first view of Neptune's rings in over 30 years.

Producer: Roland Pease
Assistant producer: Sophie Ormiston

Image: An image from the James Webb Space Telescope (Credit: Nasa via PA)

THU 21:00 BBC News (w172ykqgrxrng19)
The latest five minute news bulletin from BBC World Service.

THU 21:06 Newshour (w172yfccw3jqzzl)
Pelé dies at 82

Pelé, one of the greatest footballers of all time, has died in Brazil at the age of 82, prompting tributes from around the world.

Also in the programme: the most hardline government in Israel's history has been sworn in. The coalition, led by Benjamin Netanyahu for a record sixth time as prime minister, includes ultra Orthodox Jewish and nationalist parties; and the British fashion designer Vivienne Westwood - a key figure in the rebellious punk movement of the 1970s - has died in London.

(Photo: Pelé, the Brazilian football legend, seen here during a visit to London in his new job as the Brazil Minister for Sport in 1995. Credit: BBC)

THU 22:00 BBC News (w172ykqgrxrnsk)
The latest five minute news bulletin from BBC World Service.

THU 22:06 The Newsroom (w172yrx79vgckv0)
The world's Newsroom brings you global events as they happen

THU 22:20 Sports News (w172yghh35r9ntq)
BBC Sport brings you all the latest stories and results from around the world.

THU 22:30 BBC News Summary (w172ykr96ncby1t)
The latest two minute news summary from BBC World Service.

THU 22:32 World Business Report (w3ct3g76)
Crypto: Is it a man's world?

Figures from the global crypto research and training platform Crypto Head suggest that around just 5 per cent of entrepreneurs in the field are women, and they're lagging behind when it comes to investing in crypto too. According to a survey by broadcaster CNBC and Mometric, twice as many men as women are likely to invest in cryptocurrency. So why does this 21st century financial instrument have such a 20th century problem?

(Picture: Young woman touching screen on futuristic digital display. Picture Credit: Getty Images)

THU 23:00 BBC News (w172ykqgrxrmjkk)
The latest five minute news bulletin from BBC World Service.

THU 23:06 The Inquiry (w3ct39t1)
[Repeat of broadcast at 08:06 today]

THU 23:30 BBC News Summary (w172ykr96nc1sy)
The latest two minute news summary from BBC World Service.

THU 23:32 The Food Chain (w3ct38nz)
[Repeat of broadcast at 04:32 today]

FRIDAY 30 DECEMBER 2022

FRI 00:00 BBC News (w172ykqgrxrm8p)
The latest five minute news bulletin from BBC World Service.

FRI 00:06 The Forum (w3ct38th)
[Repeat of broadcast at 10:06 on Thursday]

FRI 00:50 Sporting Witness (w3ct36gn)
[Repeat of broadcast at 10:50 on Thursday]

FRI 01:00 BBC News (w172ykqgrxrm9t)

The latest five minute news bulletin from BBC World Service.

FRI 01:06 Business Matters (w172ydq7sq5nty5)

Pele: Brazilian football legend dies aged 82

In 2012, at the age of 72, he travelled the world working on his brand with Misha Sher from Mediacom, one of the world's biggest marketing agencies.

(Picture: Athlete cheering Picture Credit: Getty Images)

FRI 02:00 BBC News (w172ykqgrxrp1ry)

The latest five minute news bulletin from BBC World Service.

FRI 02:06 The Newsroom (w172yl835b3nddb)

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

FRI 02:30 BBC News Summary (w172ykr96ncf1b)

The latest two minute news summary from BBC World Service.

FRI 02:32 World Football (w3ct3hr6)

Roy Hodgson: Liverpool, England and returning home

In the second part of our interview with Roy Hodgson, he reflects on troubled times at Liverpool and England. He also talks about the retirement, the role of luck in football, and the joy of his ending his career by going full circle and returning to Crystal Palace.

Picture on website: Roy Hodgson at Goodison Park (Photo by CLIVE BRUNSKILL/POOL/AFP via Getty Images)

FRI 03:00 BBC News (w172ykqgrxrp5j2)

The latest five minute news bulletin from BBC World Service.

FRI 03:06 Outlook (w3ct34x4)

[Repeat of broadcast at 12:06 on Thursday]

FRI 03:50 Witness History (w3ct3c23)

[Repeat of broadcast at 08:50 on Thursday]

FRI 04:00 BBC News (w172ykqgrxrp986)

The latest five minute news bulletin from BBC World Service.

FRI 04:06 The Newsroom (w172yl835b3nmwl)

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

FRI 04:30 BBC News Summary (w172ykr96ncnj1)

The latest two minute news summary from BBC World Service.

FRI 04:32 Heart and Soul (w3ct424d)

Thich Nhat Hanh's censored legacy

Mindfulness has become a buzzword in the wellness industry. It has roots in Buddhism, and Vietnamese monk Thich Nhat Hanh was often credited for popularising it.

During his lifetime, Thich Nhat Hanh built Plum Village monasteries and meditation centres across the globe – but he couldn't do it in his home country.

The Zen master was an anti-Vietnam War activist, and was even nominated for the Nobel Peace Prize by Martin Luther King. But he was banished from his country for almost four decades because of his activism. Even today, Plum Village is still not allowed to establish a formal presence in Vietnam.

The BBC's Grace Tsoi has visited Plum Village, Thailand to talk to Vietnamese practitioners who have to cross borders to join the meditation retreats. We will find out why they are interested in Thich Nhat Hanh's teachings, and what they know about the Zen master's turbulent history.

FRI 05:00 BBC News (w172ykqgrxrp0b)

The latest five minute news bulletin from BBC World Service.

FRI 05:06 Newsday (w172yf8xjxqq1nr)

Pele: Brazil's footballing legend dies at 82

Brazil declares three days of mourning to mark the death of football legend Pele; we have reaction from around the world on the legacy O Rei - the king - leaves behind.

The United Nations says it is sending a top official to Afghanistan to try to convince the Taliban to end its ban on

female aid workers.

Prosecutors in Bolivia request a six-month pre-trial detention of opposition leader Luis Fernando Camacho.

FRI 06:00 BBC News (w172ykqgrxrpjrg)

The latest five minute news bulletin from BBC World Service.

FRI 06:06 Newsday (w172yf8xjxqq5dw)

Brazil mourns for Pele - the football icon and sporting hero

Pele, the greatest footballer of all time in the eyes of millions around the world has died aged 82 - tributes have been pouring in from around the world.

A court in military-ruled Myanmar has convicted the country's deposed leader Aung San Suu Kyi of corruption and jailed her for a further seven years.

And Nigerians are reacting to the shocking murder of a female lawyer is gunned down by a serving police officer... he's being charged with the alleged murder.

FRI 07:00 BBC News (w172ykqgrxrpnhl)

The latest five minute news bulletin from BBC World Service.

FRI 07:06 Newsday (w172yf8xjxqq950)

Pele - footballing genius and global icon - has died

The greatest footballer of all time in the eyes of millions around the world, has died - we get the perspective from Brian Winter who literally wrote the book on Pele.

In other news, what needs to be done to restrict the spread of Covid 19 from Chinese travellers - we speak to an epidemiologist.

And another icon has also passed away - British Fashion designer Vivienne Westwood who brought modern punk into the mainstream.

FRI 08:00 BBC News (w172ykqgrxrp7q)

The latest five minute news bulletin from BBC World Service.

FRI 08:06 HARDtalk (w3ct1n6t)

Neil deGrasse Tyson: Trust in science

Stephen Sackur speaks to Neil deGrasse Tyson, astrophysicist and director of the Hayden Planetarium at the American Museum of National History in New York. He is one of America's most popular scientists and shares his fascination with space with millions of Americans. But here on Earth, science is under pressure, from Covid to climate change. Is trust in science dwindling?

FRI 08:30 BBC News Summary (w172ykr96ncd4j3)

The latest two minute news summary from BBC World Service.

FRI 08:32 The Dark Is Rising (w3ct4lzz)

11. The Hunt Rides

Will is pursued by the tornado of the Dark and prepares for the final battle. He flies with Merriman on the great white horse to where Herne the ancient hunter is waiting. Herne summons his hounds – a pack of huge white animals ghostly in the half-light. Listen on headphones for 3D immersive sound.
#TheDarkIsRising

Will Stanton: Noah Alexander
John Smith/Paul Stanton/Mr Beaumont: Thomas Arnold
Bus Conductor/Jamaican Old One/James Stanton: Danny Bailey
Stephen Stanton: Simon Bubb
Mrs Stanton/Mrs Pettigrew/Dr Armstrong: Amanda Hadingue
The Walker/Hawkin: Toby Jones
Narrator: Simon McBurney
The Rider/Mr Mithothin/Mr Stanton/Farmer Dawson: Tim McMullan
Merriman: Paul Rhys
Maggie Barnes/Mary Stanton: Natasha Stone
The Lady/Miss Greythorne: Harriet Walter
Herne: Miles Yekinni
The chorister: Vinay Singh
Radio announcer: Samuel West

Soundscape design: Gareth Fry
Music: Josh Sneesby
Original songs by Johnny Flynn, Luisa Gerstein and Héloïse Tunstall-Behrens

Adapted for audio by Robert Macfarlane and Simon McBurney
Dramaturg: James Yeatman

Director: Simon McBurney
Producers: Catherine Bailey and Tim Bell

A Complicité and Catherine Bailey Production for BBC World Service
Commissioned by Simon Pitts

FRI 08:50 Witness History (w3ct3bxl)

The birth of the Slow Food Movement

In 1986, thousands of people gathered in the middle of Rome to protest against the opening of Italy's first McDonalds fast food restaurant. One of the opponents to the opening of McDonalds was journalist Carlo Petrini.

Soon after, he founded a new organisation called the Slow Food Movement. Its main aim was to protect traditional foods and cooking.

He has been sharing his story with Matt Pintus.

(Photo: Carlo Petrini. Credit: Slow Food International)

FRI 09:00 BBC News (w172ykqgrxrpwzv)

The latest five minute news bulletin from BBC World Service.

FRI 09:06 The Newsroom (w172yl835b3p7m7)

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

FRI 09:30 BBC News Summary (w172ykr96ncd887)

The latest two minute news summary from BBC World Service.

FRI 09:32 Tech Tent (w3ct4khy)

Tech predictions for 2023

Zoe Kleinman and Joe Tidy invite the BBC's tech experts in Africa, Asia, America and Europe to make their predictions for how tech will shape 2023. From gaming to chip wars, and VR to AI they tell you what to look out for in the year ahead, wherever in the world you are.

FRI 10:00 BBC News (w172ykqgrxrp0qz)

The latest five minute news bulletin from BBC World Service.

FRI 10:06 BBC Correspondents' Look Ahead (w3ct4m1l)

BBC Correspondents' Look Ahead to 2023

Razia Iqbal asks some of the BBC's top correspondents from around the world to gaze into their crystal balls and predict what 2023 might have in store. This time last year Russian troops were massing on the Ukrainian border but little did we know how quickly war would begin and how bravely the people of Ukraine would defend their country. But how will the war play out in 2023? Can either side allow it to endlessly drag on? What ramifications will the reversal of the zero Covid policy in China be? Can Cyril Ramaphosa survive as South African president next year in the wake of a corruption scandal? Will protests in Iran become the new norm or will 2023 see a return to the status quo?

So many big questions, but luckily we have some of the BBC's best minds on hand to provide plenty of answers.

Presenter: Razia Iqbal
Panel: Andrew Harding, Lyse Doucet, Sarah Smith, Stephen McDonnell, Steve Rosenberg and Yogita Limaye.
Producers: Ben Carter and Matt Toulson
Production Co-ordinator: Janet Staples
Editor: Lizzi Watson

Image: Hands holding 2023, Credit: Getty Images

FRI 11:00 BBC News (w172ykqgrxrp4h3)

The latest five minute news bulletin from BBC World Service.

FRI 11:06 The Newsroom (w172yl835b3ph3h)

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

FRI 11:30 BBC News Summary (w172ykr96ncdhrh)

The latest two minute news summary from BBC World Service.

FRI 11:32 World Football (w3ct3hr6)

[Repeat of broadcast at 02:32 today]

FRI 12:00 BBC News (w172ykqgrxrp877)

The latest five minute news bulletin from BBC World Service.

FRI 12:06 The Fifth Floor (w3ct380b)

Memorable interviews from 2022

In a year packed with big news stories, who are the interviewees whose stories have stayed with our language service colleagues?

BBC Ukrainian's Zhanna Bezpiatchuk tells the story of the teenager forced to flee his home in Borodianska, who now dreams of becoming a journalist.

BBC Pashto's Shazia Haya shares the story of a mother of daughters now denied their secondary school education. Parham Ghobadi from BBC Persian led the coverage of the death in mysterious circumstances of 16-year-old Nika Shakarami during the Iranian protests.

Olga Ivshina takes us on a tawl of the BBC Russian inbox where she discovered a plea for help, which she immediately responded to.

BBC Africa's Bella Sheegow explains why reporting on the assassination of female Somali politician Amina Mohamed Abdi had such an impact on her.

BBC Indian languages' Nitin Srivastava tells us about a tea picker in Assam whose livelihood is dwindling because of climate change.

And BBC Brasil's Nathalia Passarinho remembers her interviews at COP27 in Egypt, where Brazil announced a huge shift in environmental policy.

(Photo: Damage of Russian bombing of Borodiansk. Credit: Nicola Marfisi/AGE/Universal Images Group via Getty Images)

FRI 12:50 Witness History (w3ct3bxl)

[Repeat of broadcast at 08:50 today]

FRI 13:00 BBC News (w172ykqgrxqcze)

The latest five minute news bulletin from BBC World Service.

FRI 13:06 The Newsroom (w172yl835b3pqlr)

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

FRI 13:30 BBC News Summary (w172ykr96ncdr7r)

The latest two minute news summary from BBC World Service.

FRI 13:32 Science In Action (w3ct36b4)

[Repeat of broadcast at 20:32 on Thursday]

FRI 14:00 BBC News (w172ykqgrxqhgh)

The latest five minute news bulletin from BBC World Service.

FRI 14:06 Newshour (w172yfccw3jt1ns)

Fears China Covid cases may overwhelm health facilities

Spain and Israel have become the latest countries to announce mandatory covid testing for travellers from China, as fears in China grow that the rapid rise in cases may overwhelm healthcare facilities.

Yet Chinese government figures on Friday recorded only five thousand new infections across the whole of the country.

Also in the programme: A new verdict in Myanmar means that the pro-democracy leader Aung San Suu Kyi is likely to spend the rest of her life in jail; and we hear about the story behind ABBA's hit song "Chiquitita" and how it's helped children for more than 40 years.

(Photo shows people walking with their luggage at Chengdu Shuangliu International Airport amid a wave of the COVID-19 infections. Credit: Tingshu Wang/Reuters)

FRI 15:00 BBC News (w172ykqgrxmqgm)

The latest five minute news bulletin from BBC World Service.

FRI 15:06 HARDtalk (w3ct1n6t)

[Repeat of broadcast at 08:06 today]

FRI 15:30 BBC News Summary (w172ykr96ncdzr0)

The latest two minute news summary from BBC World Service.

FRI 15:32 World Business Report (w3ct3fvx)

Global stocks head for worst year since 2008

As we approach the end of 2022, we take a look at what has been a bumpy year for the stock markets. With the three major US indices set for their biggest yearly losses since the 2008 financial crisis, we explore what 2023 can bring for financial investors.

The war in Ukraine had a strong impact in many industries, and commodities weren't an exception. We review what the conflict meant for key metals like investors' favourite safe haven—gold.

And on the day after his death we remember the legacy of one of football's biggest legends: Pele.

(Picture: A trader working with boards of stock price information on the floor of the New York Stock Exchange in New York. Picture credit: EPA)

FRI 16:00 BBC News (w172ykqgrxrqr6r)

The latest five minute news bulletin from BBC World Service.

FRI 16:06 BBC OS (w172yglynf354kt)

Tributes to Pelé

Brazil has declared three days of mourning for Pelé - for many, the world's greatest ever footballer - who has died in São Paulo at the age of 82. Pelé's wake will be held on Monday at the Santos Football club - for many years, his home stadium.

Tributes to the footballer have been pouring in from around the world. We hear from people sharing their memories of Pelé and from those who met him or saw him play.

We also look back at the life of the British fashion designer Vivienne Westwood who died in London this week.

And we talk to our South Asia Editor Anbarasan Ethirajan about Sri Lanka's economic crisis and what it was like to cover mass protests earlier this year.

(Photo: An image of Brazilian soccer legend Pele is displayed on the South American Football Confederation building, in Luque, Paraguay December 29, 2022. Credit: Cesar Olmedo/REUTERS)

FRI 17:00 BBC News (w172ykqgrxrqyyw)

The latest five minute news bulletin from BBC World Service.

FRI 17:06 BBC OS (w172yglynf3589y)

Pelé death: Three days of mourning in Brazil

We hear tributes from around the world to Pelé and speak to people who met him or saw him play. Brazil has declared three days of mourning to mark the death of the footballer who died in São Paulo at the age of 82. We speak to our reporter in São Paulo.

We talk about the controversial British-American media personality, Andrew Tate, who has been detained in Romania as part of a human trafficking and rape investigation.

And we talk to our South Asia Editor Anbarasan Ethirajan about Sri Lanka's economic crisis and what it was like to cover mass protests earlier this year.

(Photo: Bouquet of flowers reading "Eternal Pele" is seen with other flowers at the Vila Belmiro stadium as fans of Brazilian soccer legend Pele mourn his death, in Santos, Brazil, December 30, 2022. Credit: Amanda Perobelli/Reuters)

FRI 18:00 BBC News (w172ykqgrxrqzq0)

The latest five minute news bulletin from BBC World Service.

FRI 18:06 The Fifth Floor (w3ct380b)

[Repeat of broadcast at 12:06 today]

FRI 18:50 Witness History (w3ct3bxl)

[Repeat of broadcast at 08:50 today]

FRI 19:00 BBC News (w172ykqgrxr3g4)

The latest five minute news bulletin from BBC World Service.

FRI 19:06 The Newsroom (w172yl835b3qg2j)

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

FRI 19:30 BBC News Summary (w172ykr96ncfgqj)

The latest two minute news summary from BBC World Service.

FRI 19:32 Sport Today (w3ct4l5g)

2022/12/30 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 (w172ykqgrxr768)

The latest five minute news bulletin from BBC World Service.

FRI 20:06 Tech Tent (w3ct4khy)

[Repeat of broadcast at 09:32 today]

FRI 20:30 BBC News Summary (w172ykr96ncflgn)

The latest two minute news summary from BBC World Service.

FRI 20:32 CrowdScience (w3ct3j80)

Bullying Parrots and Glacial Cocktails

Over the past 12 months, CrowdScience has travelled the world, from arctic glacierscapes to equatorial deserts, to answer listeners' science queries. Sometimes, the team come across tales that don't quite fit with the quest in hand, but still draw a laugh, or a gasp. In this show, Marnie Chesterton revisits those stories, with members of the CrowdScience crew.

Alex the Parrot was a smart bird, with an impressive vocabulary and the ability to count and do basic maths. He was also intimidating and mean to a younger parrot, Griffin, who didn't have the same grasp of the English language. Scientist Irene Pepperberg shares the consequence of this work-place bullying.

Take a tour of the disaster room at ICPAC, the IGAD Climate Prediction and Applications Centre (ICPAC) based in Nairobi, Kenya. It's a new building where scientists keep watch for weird new weather and passes that information to 11 East African countries. Viola Otieno is an Earth Observation (EO) Expert and she explained how they track everything from cyclones to clouds of desert locust.

Malcolm MacCallum is curator of the Anatomical Museum at Edinburgh University in Scotland, which holds a collection of death masks and skull casts used by the Edinburgh Phrenological Society. Phrenology was a pseudoscience, popular in the 1820s, where individuals attempted to elucidate peoples' proclivities and personalities by the shape of their heads. We see what the phrenologists had to say about Sir Isaac Newton and the "worst pirate" John Tardy.

While recording on Greenland's icesheet, the CrowdScience team were told by Professor Jason Box about "party ice." 40,000 year old glacial ice is a superior garnish for your cocktail than normal freezer ice, apparently. This starts a quest for the perfect Arctic cocktail.

Presented by Marnie Chesterton

Produced by Marnie Chesterton, featuring producers Florian Bohr, Sam Baker and Ben Motley

(Photo:)

FRI 21:00 BBC News (w172ykqgrxrbyd)

The latest five minute news bulletin from BBC World Service.

FRI 21:06 Newshour (w172yfccw3jtwwp)

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

FRI 22:00 BBC News (w172ykqgrxrpgj)

The latest five minute news bulletin from BBC World Service.

FRI 22:06 The Newsroom (w172yrx79vgggr3)

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

FRI 22:20 Sports News (w172yghh35rdkqt)

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

FRI 22:30 BBC News Summary (w172ykr96ncftyx)

The latest two minute news summary from BBC World Service.

FRI 22:32 World Business Report (w3ct3fy5)

First broadcast 30/12/2022 22:32 GMT

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

FRI 23:00 BBC News (w172ykqgrxrifn)

The latest five minute news bulletin from BBC World Service.

FRI 23:06 HARDtalk (w3ct1n6t)

[Repeat of broadcast at 08:06 today]

FRI 23:30 BBC News Summary (w172ykr96ncfyq1)

The latest two minute news summary from BBC World Service.

FRI 23:32 World Football (w3ct3hr6)

[Repeat of broadcast at 02:32 today]