

SATURDAY 17 DECEMBER 2022**SAT 00:00 BBC News (w172ykqg1d46dz3)**

The latest five minute news bulletin from BBC World Service.

SAT 00:06 The Real Story (w3ct33pz)

A tough winter for Ukraine as Russia exploits the cold

As the war continues and winter sets in, Russia is targeting Ukraine's energy infrastructure with waves of missile and drone strikes, at times cutting off electricity for millions of civilians. How are the Ukrainian people coping? Does Ukraine's military have enough weaponry and manpower to defeat the Russians? Or could the war become a more drawn-out conflict, with neither side capable of making a decisive breakthrough?

Ritula Shah is joined by a panel of experts:

Natalie Jaresko - Ukraine's minister for finance from 2014 – 2016. Currently chair of the Aspen Institute, Kyiv

Kataryna Wolczuk - Associate fellow of Chatham House think tank's Russia and Eurasia programme and professor of East European Politics at University of Birmingham

Retired Major General Gordon 'Skip' Davis - NATO's Deputy Assistant Secretary General for Defense Investment Division from 2018-2021.

Also featuring : Alexei Sandakov, a resident of Kherson & Andrei Soldatov, a Russian investigative journalist and security expert

Producers: Rumella Dasgupta and Ellen Otzen

(Photo: A Ukrainian armored vehicle is seen on the streets in Bakhmut; Credit : Diego Herrera Carcedo/Anadolu Agency via Getty Images)

SAT 01:00 BBC News (w172ykqg1d46jq7)

The latest five minute news bulletin from BBC World Service.

SAT 01:06 Business Matters (w172ydg725k6fml)

Crypto: Confidence crisis brew as auditing firm halts work

The world's largest cryptocurrency exchange, Binance has revealed that the auditor Mazars has stopped working with it as outflows from platform swelled to \$6 billion following the collapse of FTX earlier in the week.

The website offering digital trading cards showing Donald Trump in guises such as a superhero, astronaut and Nascar driver says the items have already sold out. The announcement drew criticism and mockery, including from Republicans.

And as the month-long FIFA World Cup tournament draws to a close, we evaluate how the competition not only proved to be a tourism boom for host Qatar but also for neighbour – the UAE and in particular – Dubai.

(Its a difficult time for Cryptocurrency. Credit:Getty)

SAT 02:00 BBC News (w172ykqg1d46ngc)

The latest five minute news bulletin from BBC World Service.

SAT 02:06 The Newsroom (w172yl82fsh602r)

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

SAT 02:30 BBC News Summary (w172ykr8h3qx0qr)

The latest two minute news summary from BBC World Service.

SAT 02:32 Stumped (w3ct371n)

Who should Australia fear?

Alison Mitchell, Jim Maxwell and Charu Sharma discuss which Test side should be the most confident going into 2023 and who should be the most worried. South Africa sit second in the table with Sri Lanka third but have England left it too late to make it to the final? They sit in fifth.

The team talk about England winning their first Test series in

Pakistan since 2001, Australia beating the West Indies and the first day of the first Test Match between Bangladesh and India.

After India women inflicted Australia's first defeat in 21 matches, we ask whether this could be a turning point for the side and debate whether it is healthy for the India Women's team to have no permanent head coach.

Plus we hear the second part of our interview with West Indies legend Shivnarine Chanderpaul who tells us the difference between coaching men's and women's cricket and the egos involved.

Photo: Marnus Labuschagne of Australia celebrates making his century during day one of the Second Test Match in the series between Australia and the West Indies at Adelaide Oval on December 08, 2022 in Adelaide, Australia. (Photo by Matt King/Getty Images)

SAT 03:00 BBC News (w172ykqg1d46s6h)

The latest five minute news bulletin from BBC World Service.

SAT 03:06 The Fifth Floor (w3ct3808)

Who is Yevgeny Prigozhin?

Yevgeny Prigozhin is the head of the Russian mercenary group Wagner, a role that he denied until September. Andrei Zakharov of BBC Russian has been investigating the story of Mr Prigozhin for many years, and he shares his insights.

Qatar cultural exchange

As the Arab world's first football World Cup concludes, the BBC's Lina Shaikhouni shares her impressions of the cultural exchanges the event has witnessed, from traditional local dress made up in team colours, to stadiums designed to echo desert tents.

New York's migrant crisis

New York City has extended the state of emergency declared in October to address an "unprecedented humanitarian crisis" over an influx of migrants. Most of the migrants are Venezuelans who spent months making the difficult journey to reach the United States. BBC Mundo's Analía Llorente went to New York to find out why the migrants have come to the city.

The freed Burmese prisoner and his cats

Burmese pro-democracy activist Mya Aye was among thousands of prisoners released a few weeks ago by the military. His return home was welcomed not only by friends and family, but by his 34 cats. BBC Burmese editor Soe Win Than tells us his story.

The endangered saffron fields of Kashmir

The purple fields of saffron that used to blanket the landscape in Indian-administered Kashmir in the harvest season are under threat. The crop has been affected by climate change and modern farming methods. Riyaz Masroor went to the fields to report for BBC Urdu.

(Photo: Yevgeny Prigozhin attends a meeting with foreign investors at Konstantin Palace. Credit: Mikhail Svetlov/Getty Images).

SAT 03:50 Witness History (w3ct3bxj)

Felix Baumgartner's huge leap

In October 2012, skydiver and former Austrian paratrooper Felix Baumgartner was watched live by millions as he ascended into the stratosphere in a helium balloon. He then jumped an estimated 38km from space back to earth.

In doing so, he broke the speed of sound and the highest skydive record that had lasted more than 50 years. Felix tells Dan Hardoon about his big leap.

A Whistledown production for BBC World Service.

(Photo: Felix Baumgartner jumping from space. Credit: Getty Images)

SAT 04:00 BBC News (w172ykqg1d46wym)

The latest five minute news bulletin from BBC World Service.

SAT 04:06 The Reith Lectures (w3ct4l3l)

The four freedoms: Freedom from want

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

communities experience.

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

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

SAT 05:00 BBC News (w172ykqg1d470pr)

The latest five minute news bulletin from BBC World Service.

SAT 05:06 The Newsroom (w172yl82fsh6ch4)

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

SAT 05:30 BBC News Summary (w172ykr8h3qxcz4)

The latest two minute news summary from BBC World Service.

SAT 05:32 Kalki Presents: My Indian Life (w3ct4kg4)

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 (w3ct3k5q)

Qatar World Cup: The pressure of penalties

The World Cup in Qatar is drawing to a close. Penalties and penalty shootouts have provided some of the biggest moments of the tournament. We analyse penalty data from the World Cup and ask what boosts the chance of scoring from the spot, with the help of Ben Lyttleton, author of Twelve Yards: The Art and Psychology of the Perfect Penalty.

Presenter: Ben Carter

Producers: Lucy Proctor and Jon Bithrey

(Harry Kane of England misses a penalty during the FIFA World Cup Qatar 2022 quarter final match between England and France. Credit: Getty Images)

SAT 06:00 BBC News (w172ykqg1d474fw)

The latest five minute news bulletin from BBC World Service.

SAT 06:06 Weekend (w172ykwssdbtgt3)

Peru in political crisis

Talks have been held in Peru to try to resolve a political crisis that's seen a president ousted, deadly street protests calling for his reinstatement, and two members of the new government resign because of the force used against demonstrators. More than twenty people have died in the clashes that have followed the removal from office of President Pedro Castillo.

Also in the programme: America's botched executions; and looking ahead to Tunisian elections.

Joining Julian Worricker to discuss these and other stories are Shiva Rahbaran, an Iranian-born writer and researcher who focusses on issues of freedom and art; and Peter Tatchell, a UK-based human rights and democracy campaigner.

(Photo: Demonstrators blockade a railway track following weeks of protests sparked by the ousting and arrest of former President Pedro, in Peru. CREDIT: REUTERS/Alejandra Orosco)

SAT 07:00 BBC News (w172ykqg1d47860)

The latest five minute news bulletin from BBC World Service.

SAT 07:06 Weekend (w172ykwssdbtlk7)

Talks held in Peru

Authorities in Peru have held high-level talks to try to resolve a deepening political crisis triggered by the ousting of the former president. The Council of State, the body made up of representatives of all branches of power, and church leaders had a three-hour meeting in the capital, Lima.

Also in the programme: Morocco compete for third place at the World Cup; and protests in Iran.

Joining Julian Worricker to discuss these and other stories are Shiva Rahbaran, an Iranian-born writer and researcher who focusses on issues of freedom and art; and Peter Tatchell, a UK-based human rights and democracy campaigner.

(Photo: Protesters opposed to the government take to the streets during the pro-government "March for Peace", in Lima, Peru. CREDIT: EPA/Bienvenido Velasco)

SAT 08:00 BBC News (w172ykgq1d47cy4)

The latest five minute news bulletin from BBC World Service.

SAT 08:06 Weekend (w172ykwssdbtq9c)

Tunisia prepares for elections

Voting is underway in Tunisia where a 161 deputies in a reformed lower house of parliament are being elected. Opposition parties are boycotting the vote, saying President Kais Saied has stripped the new chamber of any independent authority. The vote comes as Tunisians suffer food shortages and dire economic conditions. Mr Saied dissolved the previous parliament in July last year, after months of political stalemate.

Also in the programme: botched executions in America; and George Orwell's 1984 becomes popular in Russia.

Joining Julian Worricker to discuss these and other stories are Shiva Rahbaran, an Iranian-born writer and researcher who focusses on issues of freedom and art; and Peter Tatchell, a UK-based human rights and democracy campaigner.

(Photo: An election worker dips a voter's finger in ink at a polling station during parliamentary election in Tunis, Tunisia December 17, 2022. REUTERS/Zoubeir Souissi)

SAT 08:30 BBC News Summary (w172ykr8h3qxr6j)

The latest two minute news summary from BBC World Service.

SAT 08:32 The Conversation (w3ct37mx)

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

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

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

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

Produced by Alice Gioia

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

SAT 09:00 BBC News (w172ykgq1d47hp8)

The latest five minute news bulletin from BBC World Service.

SAT 09:06 BBC OS Conversations (w3ct418j)

Striking workers

The global economy is shrinking but our costs are rising, and as people around the world find things harder, many are deciding to go on strike for better pay and conditions. Around the world, we are seeing the likes of teachers, nurses, postal and transport workers taking industrial action. We bring together some of those workers to hear about their jobs and why they are taking to the picket lines.

Community nurse in London, Kafeelat Adekunle, and Dr Sami Sedghi, a doctor in Milan, share their experiences. "Patients waiting for too long; patients not getting the right care; nurses not getting the right cash, this shouldn't be happening in a civilised and developed country," Kafeelat tells us. "We never wanted to do this but we've been pushed to the wall."

We introduce Dr Benedicta Yayra Fosu-Mensah, a lecturer at the University of Ghana in Accra, to Regina Fuentes, a teacher in Ohio. They tell us how they often feel undervalued and how being a teacher does not add up when it comes to wages.

We also hear from two railway workers in the United States, Johnny and Deven. Their job allows them to witness wonderful scenery but they say it comes with several negatives and they would not want their children working on the railroad.

(Photo: Members of the Royal College of Nursing (RCN) on the picket line outside St Thomas' Hospital in London as nurses in England, Wales and Northern Ireland take industrial action

over pay. Picture date: Thursday December 15, 2022. Credit: Lucy North/PA Wire)

SAT 09:30 BBC News Summary (w172ykr8h3qxvyn)

The latest two minute news summary from BBC World Service.

SAT 09:32 Pick of the World (w3ct41xt)

'The sketchpad that saved my life'

The parallel lives of two young women, one in India, one in Pakistan, one with a sketchbook, one with a gun - plus the BBC's 100 Women season, now in its tenth year, and a new era in Peru as the country gets its first female leader.

SAT 09:50 Over to You (w3ct3518)

Celebrating 90 years of broadcasting to the world

This weekend sees the WS celebrates a significant birthday - it's become a nonagenarian! For 90 years it has been broadcasting in dozens of languages to audiences counted in the tens of millions all over the globe. We hear your memories of your listening experience and what the service means to you.

Presenter: Rajan Datar

Producer: Howard Shannon

A Whistledown production for the BBC World Service

SAT 10:00 BBC News (w172ykgq1d47mfd)

The latest five minute news bulletin from BBC World Service.

SAT 10:06 Sportshour (w3ct3639)

World Cup final

We preview the World Cup final between Argentina and France in the company of two football journalists. Argentina's Seba Ongarelli and Sara Menai for France.

Plus we hear about some of the more than 130 players taking part in the World Cup but whom represent countries they were not born in. Dr Gijs van Campenhout from the University of Utrecht has been writing about the subject of migrant footballers for many years. So is this a new phenomenon?

Photo: Pyrotechnics explode around a giant Fifa World Cup trophy prior to the semi final match between France and Morocco. Credit: Buda Mendes/Getty Images)

SAT 11:00 BBC News (w172ykgq1d47r5j)

The latest five minute news bulletin from BBC World Service.

SAT 11:06 The Newsroom (w172y182fsh72sx)

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

SAT 11:30 BBC News Summary (w172ykr8h3qy3fx)

The latest two minute news summary from BBC World Service.

SAT 11:32 The Climate Question (w3ct3kzj)

How much does biodiversity matter to climate change?

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

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

Email us: theclimatequestion@bbc.com.

Researcher: Frances Read

Producer: Georgia Coan

Editor: Bridget Harney

SAT 12:00 BBC News (w172ykgq1d47vxn)

The latest five minute news bulletin from BBC World Service.

SAT 12:06 The Documentary (w3ct41vr)

First contact

For thousands of years we have gazed up at the stars and

wondered: is anybody out there? The idea of meeting aliens has been the inspiration for countless books and films; for art and music. But today, thinking about meeting life on, or from, other planets is no longer dismissed as pure make-believe - it is the focus of political consideration and cutting-edge space science. Farrah Jarra presents the story of the fantasy and the reality of preparing for first contact with extra-terrestrials.

SAT 13:00 BBC News (w172ykgq1d47zns)

The latest five minute news bulletin from BBC World Service.

SAT 13:06 Newshour (w172yfcc4kxbjm2)

Tunisia votes in parliamentary election

Tunisians are voting in a parliamentary election that has been boycotted by opposition parties. President Kais Saied dissolved the previous parliament last year when he assumed sweeping powers. We speak to the BBC's Bassam Bounenni in Tunis and Dr Lina Khatib of the Chatham House think-tank. Also on the programme: China's biggest city Shanghai orders most schools to hold classes online as Covid cases soar. And we catch the mood in Buenos Aires as Argentina prepares for its World Cup final clash against France on Sunday. (Image: A Tunisian woman prepares to cast her vote during the first round of the Tunisian parliamentary elections, in a polling station in Tunis, Tunisia, 17 December 2022. EPA-EFE/REX/Shutterstock)

SAT 14:00 BBC News (w172ykgq1d483dx)

The latest five minute news bulletin from BBC World Service.

SAT 14:06 Sportsworld (w172ykg383b8sfp)

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

SAT 18:00 BBC News (w172ykgq1d48ldf)

The latest five minute news bulletin from BBC World Service.

SAT 18:06 The Newsroom (w172y182fsh7y0t)

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

SAT 18:30 BBC News Summary (w172ykr8h3qyynt)

The latest two minute news summary from BBC World Service.

SAT 18:32 Kalki Presents: My Indian Life (w3ct4k4g)

[Repeat of broadcast at 05:32 today]

SAT 18:50 Sporting Witness (w3ct36gl)

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

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

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

SAT 19:00 BBC News (w172ykgq1d48q4k)

The latest five minute news bulletin from BBC World Service.

SAT 19:06 The Documentary (w3ct41zh)

The World Service is 90

For 90 years the BBC World Service has been broadcasting in dozens of languages to audiences so huge they are counted in the tens of millions all over the globe. World Service began transmitting on 19 December 1932. It was called the BBC Empire Service, speaking in slow English via crackly short-wave radio to a now-vanished Empire which then ruled a fifth of the globe.

The Second World War saw radio services expand massively, broadcasting in more than 40 languages to listeners hungry for truth and facts they could trust. In every crisis and conflict since, individual voices out of the air have offered news, but also drama, music, education and sometimes hope to their audiences.

In a special 90th anniversary programme, the broadcaster Nick Rankin, who worked for more than 20 years at the BBC, digs into a treasure trove of sound archive and talks to journalists who made and still make the BBC World Service such a remarkable network. With Peter Pallai of Hungarian Section; Seva Novgorodsev MBE, star of BBC Russian Service; Najiba Kasraee, broadcasting to Afghanistan and Elizabeth Ohene

from Focus on Africa.

Sound recordings from Bush House by Robin the Fog and Howlround.

Producer: Monica Whitlock

Image: The BBC Empire Service studio in 1934 (Credit: BBC)

SAT 20:00 BBC News (w172ykqg1d48twp)
The latest five minute news bulletin from BBC World Service.

SAT 20:00 The Arts Hour (w3ct3916)
On Tour in Tirana

At a time when so many of its citizens are leaving, Nikki Bedi is joined on stage by some of the artists and performers helping to shape Albania's cultural future.

In the Culture Cab, movie star and theatre actor Amos Zaharia shows Nikki the controversial site where Tirana's National Theatre used to be, the old Kino studio where propaganda films were once made and Rael Hoxha and the Peter Pan Quartet bring the country's brutal communist history.

There is live music from powerful singer and talent judge Kamela Islamaj. TV satirist Florjan Binaj tackles racism in his comedy set and Rael Hoxha and the Peter Pan Quartet bring the Balkan sound.

Film producer Sabina Kodra and artist Armando Lulaj discuss the latest artistic developments in Tirana and we hear opinions from the live audience.

SAT 21:00 BBC News (w172ykqg1d48ymt)
The latest five minute news bulletin from BBC World Service.

SAT 21:06 Newshour (w172yfcc4kxchl3)
Peru's new president rules out resigning

Peru's president, Dina Boluarte, has ruled out resigning, saying it would solve nothing in the political crisis sparked by the impeachment of her predecessor, Pedro Castillo. She renews her call for Congress to approve early elections, to curb the street protests that have claimed more than twenty lives. We hear the latest.

Also in the programme: We go to Tunisia, where people have been voting in parliamentary elections and we hear why voting turnout was low, and an Iranian actress who starred in an Oscar winning movie has become the latest famous person to be arrested as anti-government protests continue.

(Photo: Peru's President Dina Boluarte speaks during a ceremony in Lima, Peru, December 9, 2022. Credit: Reuters)

SAT 22:00 BBC News (w172ykqg1d492cy)
The latest five minute news bulletin from BBC World Service.

SAT 22:06 The Newsroom (w172yrx619v02fj)
The world's Newsroom brings you global events as they happen

SAT 22:20 Sports News (w172yghcn3y5f7)
BBC Sport brings you all the latest stories and results from around the world.

SAT 22:30 BBC News Summary (w172ykr8h3qzfnb)
The latest two minute news summary from BBC World Service.

SAT 22:32 The Cultural Frontline (w3ct37sh)
Telling stories in times of conflict

Soudade Kaadan's speks to Sana Safi about her new film Nezouh, which tells the story of a young girl and her family caught in the centre of the Syrian conflict as they remain in their besieged hometown of Damascus. It is a story that has personal resonance for Soudade as Damascus was a place that she also once called home. Inspired by a photo of a bomb-damaged house, she began writing the script in 2013. It's a allegorical tale told through the eyes of a young girl, with magical realism, female emancipation and finding hope in chaos at its heart.

Both Sana Safi and Atia Abawi's lives were shaped by the war between Afghanistan and the Soviet Union in the 1980s and the 2001 invasion by the United States and NATO as part of what became known as the War on Terror. Both Sana and Atia have dedicated their careers to telling the story of Afghans. Afghanistan's story is not just one of conflict but also family, tradition, and a rich cultural history. The two writers discuss

how they tell these stories in both journalism and in fiction.

Andrey Kurkov is an author of critically acclaimed and best-selling novels. He has become a de facto voice of Ukraine as he shares his diaries and despatches from Kyiv spread the news of daily life in a warzone. Meanwhile, fellow Ukrainian writer Artem Chapeyev has left behind the writer's desk after signing up to become a private in the Ukrainian army. Andrey and Artem explain to Sana Safi what it is like to be a writer in conflict, whether war is shaping their writing, and what impact they think the war will have on the future of Ukrainian storytelling.

Producer: Sofie Vilcins

(Photo: Still from Nezouh by Soudade Kaadan. Credit: Nezouh ltd/BFI/Film4)

SAT 23:00 BBC News (w172ykqg1d49642)
The latest five minute news bulletin from BBC World Service.

SAT 23:06 Music Life (w3ct30ky)
Songwriting is like keeping a flower alive, with Skin, Nona Hendryx and Paolo Nutini

Skin, Nona Hendryx and Paolo Nutini discuss writing songs in your dreams, knowing when to grab at an idea, why playing piano can take you to places you have no right to go, and fighting on stage.

Skin grew up in a Jamaican family in Brixton, London, and as a child, wanted to be a pianist. She formed Skunk Anansie in 1994 and they became pioneers of the Britrock scene, speaking out against racism, homophobia and sexism. She was also the first Black artist to headline the Pyramid stage at Glastonbury Festival when the band performed there in 1999.

Vocalist, songwriter, producer, author and actress Nona Hendryx was a member of the pioneering girl group Labelle in the 1960s and 1970s. Since then, her avant-garde solo career has taken in everything from hard rock to RnB to house music, and she intends to become a cyborg and still make music.

Following an 8 year absence from the music scene, Scottish singer-songwriter Paolo Nutini is back with his latest project Last Night in the Bittersweet, and pop superstar Lewis Capaldi has declared himself a huge fan.

SUNDAY 18 DECEMBER 2022

SUN 00:00 BBC News (w172ykqg1d499w6)
The latest five minute news bulletin from BBC World Service.

SUN 00:06 BBC OS Conversations (w3ct418j)
[Repeat of broadcast at 09:06 on Saturday]

SUN 00:30 BBC News Summary (w172ykr8h3qzp4l)
The latest two minute news summary from BBC World Service.

SUN 00:32 Kalki Presents: My Indian Life (w3ct4kg4)
[Repeat of broadcast at 05:32 on Saturday]

SUN 00:50 More or Less (w3ct3k5q)
[Repeat of broadcast at 05:50 on Saturday]

SUN 01:00 BBC News (w172ykqg1d49fmb)
The latest five minute news bulletin from BBC World Service.

SUN 01:06 The Science Hour (w3ct3b07)
Fusion milestone

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

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

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

CrowdScience listener David was sanding down a door frame when he began wondering: Why it was that a rough thing like sandpaper is used to make another thing smoother? And furthermore, why does the process produce so much heat?

We try to reduce friction in some cases by using lubricants, whilst at other times like braking at a traffic junction we depend upon friction entirely. Anand Jagatia heads to Edinburgh in Scotland, UK, to meet some true masters of this mysterious force: Curling players. What exactly is friction, and does thinking about it tell us something deeper about the universe?

SUN 02:00 BBC News (w172ykqg1d49kcg)
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SUN 02:06 The Newsroom (w172y182fsh8wzv)
The world's Newsroom brings you global events as they happen

SUN 02:30 BBC News Summary (w172ykr8h3qzxm)
The latest two minute news summary from BBC World Service.

SUN 02:32 Health Check (w3ct32xg)
Liver drug could be repurposed for Covid

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

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

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

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

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

Presenter: Claudia Hammond
Producer: Gerry Holt

SUN 03:00 BBC News (w172ykqg1d49p3l)
The latest five minute news bulletin from BBC World Service.

SUN 03:06 The Documentary (w3ct4lvr)
[Repeat of broadcast at 12:06 on Saturday]

SUN 04:00 BBC News (w172ykqg1d49svq)
The latest five minute news bulletin from BBC World Service.

SUN 04:06 From Our Own Correspondent (w3ct32bd)
The gangs holding Haiti hostage

Pascale Harter introduces dispatches from BBC correspondents and writers in Haiti, Sri Lanka, Morocco and Sweden.

Port au Prince, the Haitian capital, is a city living in fear of the criminal gangs which control many neighbourhoods – and which sometimes go to war with each other. This summer brought a new level of disorder, with hundreds of people killed and abducted, and dozens of women and girls reporting gang rapes, over period of just a few weeks. Orla Guerin reports from Cité Soleil, the neighbourhood at the epicentre of the violence.

Sri Lanka's political crisis might be out of the headlines, but its economic crisis is by no means over. That means slow-spreading hunger and malnutrition – with particular risks to the health of young children and expectant mothers. Archana Shukla saw the danger signs in the green landscapes of Sri Lanka's central highlands.

In the end, the Atlas Lions didn't make it to the World Cup final – after being beaten in a nail-biting semi-final against France. But as James Copnall saw for himself in Casablanca, the team's unexpected success during the tournament sparked a particular

sense of pride and joy in Morocco.

And in the Arctic north of Sweden, Maddy Savage meets members of the Sami indigenous community who've herded reindeer through its frozen forests for millennia. Now they're having to confront not just climate change – as erratic thaws and freezes leave their animals unable to graze – but the use of their lands for sustainable energy projects.

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

SUN 04:30 BBC News Summary (w172ykr8h3r0543)
The latest two minute news summary from BBC World Service.

SUN 04:32 The Cultural Frontline (w3ct37sh)
[Repeat of broadcast at 22:32 on Saturday]

SUN 05:00 BBC News (w172ykgg1d49xlv)
The latest five minute news bulletin from BBC World Service.

SUN 05:06 The Newsroom (w172y182fsh9877)
The world's Newsroom brings you global events as they happen

SUN 05:30 BBC News Summary (w172ykr8h3r08w7)
The latest two minute news summary from BBC World Service.

SUN 05:32 The Documentary (w3ct4lrh)
Asylums of Japan: Makiko's story

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

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

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

SUN 06:00 BBC News (w172ykgg1d4b1bz)
The latest five minute news bulletin from BBC World Service.

SUN 06:06 Weekend (w172ykwssdbxcq6)
Low turnout in Tunisian elections

Two of Tunisia's biggest opposition parties have said President Kais Saied has lost all legitimacy after turnout for elections to a new national assembly was less than nine percent.

Also in the programme: schools in Shanghai move online; and South Africa's ANC holds leadership contest.

Joining Julian Worricker to discuss these and other stories are Kadri Liik, Senior Policy Fellow at the European Council on Foreign Relations; and Alec Russell, Editor of the Financial Times Weekend.

(Photo: Election officials count votes after polls closed during the first round of the Tunisian parliamentary elections. CREDIT: EPA/MOHAMED MESSARA)

SUN 07:00 BBC News (w172ykgg1d4b533)
The latest five minute news bulletin from BBC World Service.

SUN 07:06 Weekend (w172ykwssdbxhgb)
Men's football World Cup final

France will take on Argentina in today's final of the football World Cup in Qatar. It's a match that pits two of the sport's traditional powers against each other, as well as two of the game's great players, Lionel Messi of Argentina and France's Kylian Mbappé.

Also in the programme: Ukraine chooses its Eurovision entry; and ongoing protests in Iran.

Joining Julian Worricker to discuss these and other stories are Kadri Liik, Senior Policy Fellow at the European Council on Foreign Relations; and Alec Russell, Editor of the Financial Times Weekend.

(Photo: An image of Argentina footballer Lionel Messi is

projected on the Obelisco on the eve of the FIFA World Cup 2022 final between Argentina and France. CREDIT: EPA/Raul Martinez)

SUN 08:00 BBC News (w172ykgg1d4b8v7)
The latest five minute news bulletin from BBC World Service.

SUN 08:06 Weekend (w172ykwssdbxm6g)
President Putin meets military chiefs

Russian President Vladimir Putin has met his military chiefs on the same day his forces launched another wave of missiles at Ukraine's infrastructure.

Also in the programme: South Africa's ANC leadership vote; and looking ahead to the World Cup final.

Joining Julian Worricker to discuss these and other stories are Kadri Liik, Senior Policy Fellow at the European Council on Foreign Relations; and Alec Russell, Editor of the Financial Times Weekend.

(Photo: Russian President Vladimir Putin visits the Joint Headquarters of the Russian armed forces. CREDIT: Sputnik/Gavril Grigorov/Kremlin via REUTERS)

SUN 08:30 BBC News Summary (w172ykr8h3r0n3m)
The latest two minute news summary from BBC World Service.

SUN 08:32 The Food Chain (w3ct38nx)
Hard to swallow

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

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

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

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

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

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

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

Producer: Elisabeth Mahy

SUN 09:00 BBC News (w172ykgg1d4bdlc)
The latest five minute news bulletin from BBC World Service.

SUN 09:06 From Our Own Correspondent (w3ct32bd)
[Repeat of broadcast at 04:06 today]

SUN 09:30 BBC News Summary (w172ykr8h3r0rvr)
The latest two minute news summary from BBC World Service.

SUN 09:32 Outlook (w3ct41fj)
Surviving apartheid to make maritime history

Captain Knowledge Bengu battled racial discrimination to become the first black African ice pilot. Earlier this year he led the voyage to discover Sir Ernest Shackleton's ship Endurance which sank below the Antarctic ice over 100 years ago.

A longer version of this interview was first broadcast in April 2022.

Get in touch: outlook@bbc.com

Presenter: Emily Webb
Producer: June Christie/Troy Holmes

(Photo: Captain Knowledge Bengu, Master of the 'S.A. Agulhas II', and Ice Pilot for the Endurance22 Expedition, Captain Freddie Ligthelm. Credit: Courtesy of African Marine Solutions.)

SUN 10:00 BBC News (w172ykgg1d4bjbh)

The latest five minute news bulletin from BBC World Service.

SUN 10:06 Trending (w3ct4lnj)
Med beds: Miracle cure or misinformation?

The lack of science around 'med beds' - miracle devices with magical healing properties - has not stopped people from shelling out thousands of dollars to buy them. Why have med beds taken off online and who is selling them?

Presenter: Mike Wendling
Producer: Elizabeth Hotson

SUN 10:30 BBC News Summary (w172ykr8h3r0wlv)
The latest two minute news summary from BBC World Service.

SUN 10:32 Heart and Soul (w3ct424b)
The Iran protests

Iran has seen months of protests following the death of 22-year-old Mahsa Amini who was detained by the country's 'morality police' (Gasht-e Ershad) on 16 September, three days after her arrest in Tehran. As women-led protests intensify, with calls for freedom against strict dress codes and mandatory hijab, and demands for regime change, Heart and Soul brings together three Iranian women from different walks of life. The BBC's Faranak Amidi leads the conversation which explores religion, personal faith and the struggle for independence from state-controls on religious practices.

Image: An Iranian flag (Credit: Jasmin Merdan/Getty Images)

SUN 11:00 BBC News (w172ykgg1d4bn2m)
The latest five minute news bulletin from BBC World Service.

SUN 11:06 The Newsroom (w172y182fsh9zq0)
The world's Newsroom brings you global events as they happen

SUN 11:30 BBC News Summary (w172ykr8h3r10c0)
The latest two minute news summary from BBC World Service.

SUN 11:32 The Compass (w3ct4lpt)
How To Be A Former President

How to be a former president: Part three

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

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

SUN 12:00 BBC News (w172ykgg1d4brtr)
The latest five minute news bulletin from BBC World Service.

SUN 12:06 The Documentary (w3ct4lzh)
[Repeat of broadcast at 19:06 on Saturday]

SUN 13:00 BBC News (w172ykgg1d4bwkw)
The latest five minute news bulletin from BBC World Service.

SUN 13:06 Newshour (w172yfcc4kxjfj5)
Excitement ahead of World Cup final in Qatar

The defending champions, France, are poised to play against Argentina, with all eyes on their respective star players Kylian Mbappe and Lionel Messi. We'll hear from both countries and ask what to expect.

Also in the programme: will an EU agreement on carbon trading help to curb climate change?; and why film-maker Steven Spielberg's memories of one of his works, Jaws, are tinged with regret.

(Photo: Argentina fan displays a Lionel Messi shirt inside the stadium in Qatar. Credit: REUTERS/Hannah Mckay)

SUN 14:00 BBC News (w172ykgg1d4c0b0)
The latest five minute news bulletin from BBC World Service.

SUN 14:06 The Forum (w3ct38ff)
Belarus: The crossroads of Eastern Europe

Belarusian lands have seen dramatic upheavals throughout the twentieth century and today, like its neighbour Ukraine to the

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

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

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

SUN 14:50 Over to You (w3ct35t8)
[Repeat of broadcast at 09:50 on Saturday]

SUN 15:00 BBC News (w172ykqg1d4c424)
The latest five minute news bulletin from BBC World Service.

SUN 15:06 Music Life (w3ct30ky)
[Repeat of broadcast at 23:06 on Saturday]

SUN 16:00 BBC News (w172ykqg1d4c7t8)
The latest five minute news bulletin from BBC World Service.

SUN 16:06 The Documentary (w3ct4lzh)
[Repeat of broadcast at 19:06 on Saturday]

SUN 17:00 BBC News (w172ykqg1d4cckd)
The latest five minute news bulletin from BBC World Service.

SUN 17:06 The Documentary (w3ct4lvr)
[Repeat of broadcast at 12:06 on Saturday]

SUN 18:00 BBC News (w172ykqg1d4ch9j)
The latest five minute news bulletin from BBC World Service.

SUN 18:06 Sportsworld (w172ygdq1zm65h)
Live sport from around the world with news, interviews and analysis.

SUN 19:00 BBC News (w172ykqg1d4cm1n)
The latest five minute news bulletin from BBC World Service.

SUN 19:06 The Newsroom (w172yl82fshbyp1)
The world's Newsroom brings you global events as they happen

SUN 19:30 BBC News Summary (w172ykr8h3r1zb1)
The latest two minute news summary from BBC World Service.

SUN 19:32 Heart and Soul (w3ct424b)
[Repeat of broadcast at 10:32 today]

SUN 20:00 BBC News (w172ykqg1d4cqss)
The latest five minute news bulletin from BBC World Service.

SUN 20:06 The History Hour (w3ct39m8)
District Six and daredevils

The forced removal of families who weren't white from District Six, in Cape Town, by the South African apartheid regime and the man who jumped from space back to earth.

Also, stories about a Soviet fashionista, the Nazi occupation of Jersey and the Mongolia Revolution.

(Photo: District Six, circa 1969, in Cape Town. Credit: Getty Images)

Contributors:
Zahra Nordin - who was forced out of District Six in Cape Town in 1977
Chrischené Julius - the manager of Collections, Research and Documentation at the District Six Museum
Jenny Lecoat - the great-niece of Louisa Gould, who hid a

Russian man from Nazis in Jersey
Ganbold Davaadorj - a pro-democracy protestor in Mongolia
Slava Zaitsev - Russian fashion designer
Felix Baumgartner - daredevil

SUN 21:00 BBC News (w172ykqg1d4cvjx)
The latest five minute news bulletin from BBC World Service.

SUN 21:06 Newshour (w172yfcc4kxgdb6)
Argentina win the World Cup

Argentina win the football World Cup in Qatar. Also in the programme: delegates at the UN biodiversity conference COP 15 discuss a draft framework agreement; and the German girls' choir that is changing a thousand-year-old tradition.

(Photo: Lionel Messi holding the trophy surrounded by teammates and Argentine Football supporters after winning the 2022 World Cup. Credit: Shutterstock)

SUN 22:00 BBC News (w172ykqg1d4cz91)
The latest five minute news bulletin from BBC World Service.

SUN 22:06 The Newsroom (w172yrx6l9v2zbn)
The world's Newsroom brings you global events as they happen

SUN 22:20 Sports News (w172yghcn412bb)
BBC Sport brings you all the latest stories and results from around the world.

SUN 22:30 BBC News Summary (w172ykr8h3r2bkf)
The latest two minute news summary from BBC World Service.

SUN 22:32 Outlook (w3ct41fj)
[Repeat of broadcast at 09:32 today]

SUN 23:00 BBC News (w172ykqg1d4d315)
The latest five minute news bulletin from BBC World Service.

SUN 23:06 Trending (w3ct4lnj)
[Repeat of broadcast at 10:06 today]

SUN 23:30 BBC News Summary (w172ykr8h3r2g9k)
The latest two minute news summary from BBC World Service.

SUN 23:32 Pick of the World (w3ct41xt)
[Repeat of broadcast at 09:32 on Saturday]

SUN 23:50 Over to You (w3ct35t8)
[Repeat of broadcast at 09:50 on Saturday]

MONDAY 19 DECEMBER 2022

MON 00:00 BBC News (w172ykqgdnfj21g)
The latest five minute news bulletin from BBC World Service.

MON 00:06 From Our Own Correspondent (w3ct32bd)
[Repeat of broadcast at 04:06 on Sunday]

MON 00:30 BBC News Summary (w172ykr8vd16f9v)
The latest two minute news summary from BBC World Service.

MON 00:32 Heart and Soul (w3ct424b)
[Repeat of broadcast at 10:32 on Sunday]

MON 01:00 BBC News (w172ykqgdnfj5sl)
The latest five minute news bulletin from BBC World Service.

MON 01:06 The Newsroom (w172yl82t1shjdz)
The world's Newsroom brings you global events as they happen

MON 01:30 BBC News Summary (w172ykr8vd16k1z)
The latest two minute news summary from BBC World Service.

MON 01:32 Discovery (w3ct30cf)
Wild Inside: The Alpaca

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

MON 02:00 BBC News (w172ykqgdnfj9jq)
The latest five minute news bulletin from BBC World Service.

MON 02:06 The Newsroom (w172yl82t1shn53)
The world's Newsroom brings you global events as they happen

MON 02:30 BBC News Summary (w172ykr8vd16nt3)
The latest two minute news summary from BBC World Service.

MON 02:32 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

MON 03:00 BBC News (w172ykqgdnfj8v)
The latest five minute news bulletin from BBC World Service.

MON 03:06 Tech Tent (w3ct4khv)
The law catches up with Sam Bankman-Fried

Sam Bankman-Fried is arrested and charged days after telling our reporter Joe Tidy he was confident he would avoid prosecution. We discuss the question Joe asked Sam - has he killed crypto?

Also this week: the dismayed reaction of the global charities that sat on Twitter's now disbanded Trust and Safety Council. As China goes to the World Trade Organisation over the USA's restrictions on its semi-conductor industry, we ask if there is any end in sight to the so-called chip wars. And, the actor Andonis Anthony on what is it like bringing a video game character to life.

(Photo: FTX founder Sam Bankman-Fried (C) is led away handcuffed by officers of the Royal Bahamas Police Force in Nassau, Bahamas, 13 December 2022. Credit: Mario Duncanson/AFP/Getty Images)

MON 03:30 BBC News Summary (w172ykr8vd16sk7)
The latest two minute news summary from BBC World Service.

MON 03:32 Pick of the World (w3ct41xt)
[Repeat of broadcast at 09:32 on Saturday]

MON 03:50 Over to You (w3ct35t8)
[Repeat of broadcast at 09:50 on Saturday]

MON 04:00 BBC News (w172ykqgdnfjk0z)

The latest five minute news bulletin from BBC World Service.

MON 04:06 The Newsroom (w172yl82t1shwnc)

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

MON 04:30 BBC News Summary (w172ykr8vd16x9c)

The latest two minute news summary from BBC World Service.

MON 04:32 The Conversation (w3ct37my)

Excavating the hidden secrets of women in Ancient Egypt

What role did women play in the social and cultural life of Ancient Egypt? Kim Chakanetsa talks to two women uncovering secrets from this incredible civilisation.

Dr Monica Hanna is an Egyptologist and a leading heritage expert. She's the acting dean of the College of Archaeology and Cultural Heritage at the Arab Academy in Aswan. Monica's been awarded for her fight against looting.

Dr Solange Ashby is an Egyptologist at UCLA whose work focuses on Nubia, a region in Northeast Africa split between present-day Egypt and Sudan. Solange's current research explores the role of women in ancient Nubia and she's writing a monograph about the royal women of Kush.

Produced by Alice Gioia and Lorna Treen.

(Image: (L) Dr Monica Hanna, credit Justin Merriman. (R) Dr Solange Ashby, credit courtesy of Dr Solange Ashby).

MON 05:00 BBC News (w172ykqgdnfjns3)

The latest five minute news bulletin from BBC World Service.

MON 05:06 Newsday (w172yf8x5ndk9fj)

Argentina celebrates World Cup win

Lionel Messi has been hailed as possibly the greatest footballer ever after the Argentine captain led the national team to World Cup victory in a breathless final.

The Netherlands is expected to apologise for the slavery of more than 600,000 people from Africa and Asia between the 17th and 19th Centuries.

And Twitter's billionaire owner, Elon Musk, has asked users of his social media platform to vote on his future as its chief executive officer.

MON 06:00 BBC News (w172ykqgdnfjsj7)

The latest five minute news bulletin from BBC World Service.

MON 06:06 Newsday (w172yf8x5ndkf5n)

Argentina beat France on penalties to win World Cup

Argentiniens are celebrating their team's victory in the football World Cup in an outpouring of national pride.

Ukraine's morgues struggle to identify hundreds of bodies unearthed at mass grave sites in areas recaptured from Russian forces.

And Twitter's owner Elon Musk is asking users of the social media platform to vote on his future as its chief executive officer.

MON 07:00 BBC News (w172ykqgdnfjx8c)

The latest five minute news bulletin from BBC World Service.

MON 07:06 Newsday (w172yf8x5ndkjsx)

World Cup final: Lionel Messi named best player

Lionel Messi has been acclaimed as possibly the greatest footballer of all time after the Argentine captain led his team to victory in a breathless World Cup final.

The Netherlands is expected to apologise for the slavery of more than 600,000 people from Africa and Asia between the 17th and 19th Centuries.

And Moscow has launched another wave of drones on the Ukrainian capital, Kyiv.

MON 08:00 BBC News (w172ykqgdnfk10h)

The latest five minute news bulletin from BBC World Service.

MON 08:06 HARDtalk (w3ct32mg)

Ericka Huggins: Do the Black Panthers have lessons for Black Lives Matter?

Stephen Sackur is in in Oakland, California, to speak to Ericka Huggins, an original member of the 1960s Black Panther Party. She experienced violence, imprisonment and vilification in the controversial campaign for black power. Do the Panthers have lessons for the Black Lives Matter movement?

MON 08:30 BBC News Summary (w172ykr8vd17d8w)

The latest two minute news summary from BBC World Service.

MON 08:32 The Documentary (w3ct4lzh)

[Repeat of broadcast at 19:06 on Saturday]

MON 09:00 BBC News (w172ykqgdnfk4rm)

The latest five minute news bulletin from BBC World Service.

MON 09:06 The Newsroom (w172yl82t1sjhd0)

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

MON 09:30 BBC News Summary (w172ykr8vd17j10)

The latest two minute news summary from BBC World Service.

MON 09:32 The Climate Question (w3ct3kk0)

[Repeat of broadcast at 02:32 today]

MON 10:00 BBC News (w172ykqgdnfk8hr)

The latest five minute news bulletin from BBC World Service.

MON 10:06 The Cultural Frontline (w3ct37sh)

[Repeat of broadcast at 22:32 on Saturday]

MON 10:30 BBC News Summary (w172ykr8vd17ms4)

The latest two minute news summary from BBC World Service.

MON 10:32 Kalki Presents: My Indian Life (w3ct4kg4)

[Repeat of broadcast at 05:32 on Saturday]

MON 10:50 More or Less (w3ct3k5q)

[Repeat of broadcast at 05:50 on Saturday]

MON 11:00 BBC News (w172ykqgdnfk7w)

The latest five minute news bulletin from BBC World Service.

MON 11:06 The Newsroom (w172yl82t1sjqw8)

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

MON 11:30 BBC News Summary (w172ykr8vd17rj8)

The latest two minute news summary from BBC World Service.

MON 11:32 The Conversation (w3ct37my)

[Repeat of broadcast at 04:32 today]

MON 12:00 BBC News (w172ykqgdnfkj00)

The latest five minute news bulletin from BBC World Service.

MON 12:06 Outlook (w3ct34pb)

My friend was a serial killer and I had to stop him

Amy Loughren was working as a critical care nurse at a hospital in New Jersey, US, when she befriended a new colleague, Charles Cullen. The two became very close, working most of their shifts together and supporting each other practically and emotionally. But in October 2003 Cullen was abruptly fired from his job. Amy was shown evidence by police that he had been withdrawing deadly medicines with alarming frequency, and was being investigated for the murder of a patient. It was the beginning of a horrifying set of revelations, and Amy would have to help bring her friend to justice.

Get in touch: outlook@bbc.com

Presenter: Jo Fidgen

Producer: Rebecca Vincent

(Photo: Amy Loughren. Credit: Netflix)

MON 12:50 Witness History (w3ct3bzt)

Una Marson and the BBC Caribbean Service

To mark the 90th anniversary of the BBC World Service, we trace the development of the Caribbean Service.

Its beginnings go back to the early 1940s when the BBC's first black producer, Una Marson was employed.

She created Caribbean Voices, which gave future Nobel laureates such as Derek Walcott their first international platform.

In 1969, one of the UK's best known newsreaders, Sir Trevor McDonald, left Trinidad to join the BBC Caribbean Service as a producer.

He reflects on its legacy. Produced and presented by Josephine McDermott.

Archive recording of West Indies Calling from 1943, is used courtesy of the Imperial War Museum. Una Marson's poem Black Burden is used courtesy of Peepal Tree Press and the BBC Caribbean Service archive material was provided by the Alma Jordan Library, The University of the West Indies.

(Photo: Sir Trevor McDonald and Una Marson. Credit: BBC)

MON 13:00 BBC News (w172ykqgdnfkmr4)

The latest five minute news bulletin from BBC World Service.

MON 13:06 The Newsroom (w172yl82t1sjzcj)

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

MON 13:30 BBC News Summary (w172ykr8vd1800j)

The latest two minute news summary from BBC World Service.

MON 13:32 CrowdScience (w3ct3j7y)

What is friction?

CrowdScience listener David was playing snooker in Thailand when he started thinking how such a smooth ball was dependent on the rough green baize of the table to bring it to a stop. Would it be possible to play snooker at all in a completely frictionless universe?

Sometimes friction produces heat. Could we ever control it completely?

We try to reduce friction in some cases by using lubricants, whilst at other times like braking at a traffic junction we depend upon friction entirely. Anand Jagatia heads to Edinburgh in Scotland, UK, to meet some true masters of this mysterious entity: players of the winter sport Curling. What exactly is friction, and does thinking about it tell us something deeper about the universe?

Taking part:

Jennifer Dodds, Team GB Olympic Gold medalist
Dave Lieth, Head of performance services, British Curling
Susan Perkin, Professor of Physical Chemistry, University of Oxford
Roger Lewis, Professor of Mechanical Engineering, University of Sheffield

Presented by Anand Jagatia
Produced by Alex Mansfield

With thanks to David for his question.

[Image: curling. Credit: Getty Images]

MON 14:00 BBC News (w172ykqgdnfkrrh8)

The latest five minute news bulletin from BBC World Service.

MON 14:06 Newshour (w172yfchv6n9fk)

International agreement reached to protect biodiversity

Countries have agreed a landmark deal that aims to protect a third of the planet's lands and seas by 2030. The deal - clinched after marathon talks at a UN biodiversity summit in Canada - comes as ecosystems face increasing pressure from human activity. It aims to try to halt the extinction of species, ensure resources are used sustainably, and better protect indigenous people's rights. Campaign groups have hailed the deal as historic but some African countries objected to the text and how it was adopted.

Also in the programme, in the wake of an electrifying football World Cup final, will there be a lasting legacy for Qatar and countries in the region?

And we report on the difficulty of putting names to many of the victims of the war in Ukraine.

(Photo credit: Getty Images)

MON 15:00 BBC News (w172ykqgdnfk7d)

The latest five minute news bulletin from BBC World Service.

MON 15:06 HARDtalk (w3ct32mg)

[Repeat of broadcast at 08:06 today]

MON 15:30 BBC News Summary (w172ykr8vd187hs)

The latest two minute news summary from BBC World Service.

MON 15:32 World Business Report (w3ct3g0d)

World Cup Win: Can it boost Argentina's economy?

Argentina beat France in the final of the World Cup in Qatar. Could the win bring with it significant economic benefits that could improve their GDP and economy?

European Union energy ministers meet in Brussels to try to agree a cap on gas prices with opinion on what to do split across the bloc.

As the cost of living continues to soar, will tight household budgets affect Christmas spending on the global toy market which topped \$100 billion dollars for the first time ever, last year.

MON 16:00 BBC News (w172ykqgdnfkzzj)

The latest five minute news bulletin from BBC World Service.

MON 16:06 BBC OS (w172yg1y94s0dbl)

World Cup final: Argentina fans react

On the day after Argentina's exhilarating victory over France we find out more about Argentina's iconic striker Lionel Messi and hear from fans in Argentina and France for their thoughts on what many are calling the "greatest World Cup final ever".

Elsewhere the BBC's Eastern Europe correspondent, Sarah Rainsford, has heard powerful accounts from people in Ukraine who are using DNA testing to identify dead family members. We hear from her about these stories, and she explains the identification process and the impact it's having on relatives who are dealing with the trauma of the war.

We unpick why more than 6,000 complaints have been made to the UK's press regulator regarding Jeremy Clarkson's column about the Duchess of Sussex for the Sun newspaper with our Media and Arts Correspondent David Sillito. In an article published in the newspaper on Friday, Clarkson wrote he "hated [Meghan]" on a cellular level.

The BBC's Climate Editor Justin Rowlett explains more about the COP15 UN biodiversity summit and why the deal countries have reached to protect a third of the planet by 2030 is being described as such a landmark one.

MON 17:00 BBC News (w172ykqgdnf13qn)

The latest five minute news bulletin from BBC World Service.

MON 17:06 BBC OS (w172yg1y94s0j2q)

The UK's Rwanda asylum plan

We hear from the BBC's Lebo Diseko who has spoken to asylum seekers in Rwanda. She explains the latest UK court approval of plan to send asylum seekers to Rwanda.

The BBC's Climate Editor Justin Rowlett explains more about the COP15 UN biodiversity summit and why the deal countries have reached to protect a third of the planet by 2030 is being described as such a landmark one.

A boat carrying at least 150 Rohingya refugees is still adrift around the Andaman Sea in South East Asia after two weeks without power. Priyali Sur an independent journalist and the founder of The Azadi Project, a nonprofit that works for refugees, explains how she was able to speak to people on the boat, and what their living conditions are currently like.

Elsewhere we hear from people in the Netherlands and Dutch voices around the world, after the country has apologised for its historical involvement in slavery.

And on the day following Argentina's exhilarating victory over France we find out more about Argentina's iconic striker Lionel Messi and hear from fans in Argentina and France for their thoughts on what many are calling the "greatest World Cup final ever".

MON 18:00 BBC News (w172ykqgdnf17gs)

The latest five minute news bulletin from BBC World Service.

MON 18:06 Outlook (w3ct34pb)

[Repeat of broadcast at 12:06 today]

MON 18:50 Witness History (w3ct3bzt)

[Repeat of broadcast at 12:50 today]

MON 19:00 BBC News (w172ykqgdnf16cx)

The latest five minute news bulletin from BBC World Service.

MON 19:06 The Newsroom (w172y182t1skpv9)

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

MON 19:30 BBC News Summary (w172ykr8vd18qh9)

The latest two minute news summary from BBC World Service.

MON 19:32 Sport Today (w3ct417p)

2022/12/19 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 (w172ykqgdnf1gz1)

The latest five minute news bulletin from BBC World Service.

MON 20:06 The Climate Question (w3ct3kk0)

[Repeat of broadcast at 02:32 today]

MON 20:30 BBC News Summary (w172ykr8vd18v7f)

The latest two minute news summary from BBC World Service.

MON 20:32 Discovery (w3ct30cg)

Tooth and Claw: Komodo dragon

With nicknames like 'prehistoric monster' and 'living dinosaur', the Komodo dragon has been well and truly judged by its cover. Its gigantic size, razor sharp teeth and deadly attacking power has earned it a vicious reputation. But beneath the scales of this solitary beast are fascinating tales of rapid healing, decoy nests, and virgin births. And as climate change threatens its native Indonesia, can this hostile reptile adapt to living in closer quarters? Adam Hart and guests dig into how a lonely life may be putting the Komodo dragon at risk...

Deni Purwandana, program co-ordinator for the Komodo Survival Program in Komodo National Park, and Dr Chris Michaels, team leader of Reptiles and Amphibians at London Zoo.

MON 21:00 BBC News (w172ykqgdnf1q5)

The latest five minute news bulletin from BBC World Service.

MON 21:06 Newshour (w172yfchv6p4ng)

Capitol riot panel recommends charges against Trump

A US House of Representatives committee has voted unanimously to recommend that criminal charges should be brought against the former president Donald Trump over the assault on Capitol Hill almost two years ago. The Democratic-led panel wants the Justice Department to prosecute Mr Trump on charges including inciting an insurrection, obstruction of official proceedings, and conspiring to defraud the US government. The recommendation is non-binding and the Justice Department itself will decide whether to pursue any prosecutions.

Also in the programme: The Dutch Premier issues a landmark apology for his country's role in slavery; and a new deal to protect the world's ecosystems. How historic is it?

(Photo: The US House Select Committee investigating the January 6 Attack on the Capitol announces criminal referrals against former President Donald Trump being sent to the Justice Department. Credit: Reuters/Evelyn Hockstein)

MON 22:00 BBC News (w172ykqgdnf1qg9)

The latest five minute news bulletin from BBC World Service.

MON 22:06 The Newsroom (w172yrs6y149qhw)

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

MON 22:20 Sports News (w172yghgxf7thl)

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

MON 22:30 BBC News Summary (w172ykr8vd192qp)

The latest two minute news summary from BBC World Service.

MON 22:32 World Business Report (w3ct3g2n)

Epic Games to pay more than \$500 million fine

The Federal Trade Commission has accused Epic Games, the maker of video game Fortnite, of illegally collecting data on children without parental consent, as required by the US law.

Epic Games will pay more than \$500 million as part of the settlement to the FTC, which is the biggest pay out in its history.

The games company said, "We accepted this agreement because we want Epic to be at the forefront of consumer protection and provide the best experience for our players." We share the underlying principles of fairness, transparency and privacy that the FTC enforces, and the practices referenced in the FTC's complaints are not how Fortnite operates."

(Picture: This illustration picture shows a person logging into Epic Games' Fortnite on their smartphone in Los Angeles on August 14, 2020. Picture Credit: Getty Images).

MON 23:00 BBC News (w172ykqgdnf1v6f)

The latest five minute news bulletin from BBC World Service.

MON 23:06 HARDtalk (w3ct32mg)

[Repeat of broadcast at 08:06 today]

MON 23:30 BBC News Summary (w172ykr8vd196gt)

The latest two minute news summary from BBC World Service.

MON 23:32 The Conversation (w3ct37my)

[Repeat of broadcast at 04:32 today]

TUESDAY 20 DECEMBER 2022**TUE 00:00 BBC News (w172ykqgdnf1y6k)**

The latest five minute news bulletin from BBC World Service.

TUE 00:06 The History Hour (w3ct39m8)

[Repeat of broadcast at 20:06 on Sunday]

TUE 01:00 BBC News (w172ykqgdnf1m2pp)

The latest five minute news bulletin from BBC World Service.

TUE 01:06 Business Matters (w172ydg7ffv1zm1)

Could Argentina's World Cup glory help boost its economy?

According to research from the University of Surrey in the UK, the country which wins the competition tends to enjoy an increase in exports.

(Picture: LUSAIL CITY, QATAR - DECEMBER 18: Lionel Messi of Argentina and team celebrate after winning the FIFA World Cup Qatar 2022 Final match between Argentina and France at Lusail Stadium on December 18, 2022 in Lusail City, Qatar. Picture Credit: Getty Images).

TUE 02:00 BBC News (w172ykqgdnf1m6ft)

The latest five minute news bulletin from BBC World Service.

TUE 02:06 The Newsroom (w172y182t1slk26)

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

TUE 02:30 BBC News Summary (w172ykr8vd19kq6)

The latest two minute news summary from BBC World Service.

TUE 02:32 The Documentary (w3ct41yv)

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 Märak. 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)

TUE 03:00 BBC News (w172ykqgdnfmb5y)

The latest five minute news bulletin from BBC World Service.

TUE 03:06 Outlook (w3ct34pb)

[Repeat of broadcast at 12:06 on Monday]

TUE 03:50 Witness History (w3ct3bzt)

[Repeat of broadcast at 12:50 on Monday]

TUE 04:00 BBC News (w172ykqgdnfmfy2)

The latest five minute news bulletin from BBC World Service.

TUE 04:06 The Newsroom (w172yl82t1slskg)

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

TUE 04:30 BBC News Summary (w172ykr8vd19t6g)

The latest two minute news summary from BBC World Service.

TUE 04:32 In the Studio (w3ct3jk0)

Žygimantas Kudirka: Slam messiah

Žygimantas Kudirka is Lithuania's leading spoken-word artist and agent provocateur. A prolific writer and creative artist, he has won Europe's Best Slam Poet as well as multiple hip-hop awards, blending satire and social critique with dystopian and futurist themes.

Žygimantas, who goes by the alias MC Messiah, is shaking up the scene with a new libretto for the opera Brave New Body, teaming up with avant-garde composer Arturas Bumšteinas. Kudirka's texts play with the idea of the human body as a machine, not without his trademark satire, and sets them to the sutartinė, an ancient polyphonic form found in Lithuania which has Unesco status.

Is it possible to combine centuries-old traditional music with hyper-modern dystopian themes? We sit in on rehearsals with the Lietuva Song and Dance Ensemble leading up to the opera's premiere, commissioned by the Operomanija festival in Vilnius.

Presenter John Beauchamp

Producer: John Beauchamp and Bartosz Panek

A Free Range and Overcoat Media co-production for BBC World Service

Image: Žygimantas Kudirka (Credit: Paulius Žižlauskas)

TUE 05:00 BBC News (w172ykqgdnfmkp6)

The latest five minute news bulletin from BBC World Service.

TUE 05:06 Newsday (w172yf8x5ndn6bm)

Live news, business and sport from around the world.

TUE 06:00 BBC News (w172ykqgdnfmpfb)

The latest five minute news bulletin from BBC World Service.

TUE 06:06 Newsday (w172yf8x5ndnb2r)

Congressional committee recommends Trump charges

Members of a US Congressional committee have recommended that criminal charges be brought against Donald Trump for his role in the events of Jan 6th 2021 when protesters stormed the Capitol building.

A court in the UK gives the government the go ahead to proceed with its controversial policy of deporting asylum seekers to Rwanda.

For weeks now we have brought you disturbing accounts of violence on the streets of Iran as protesters clash with security forces, now the BBC has evidence of torture taking place.

TUE 07:00 BBC News (w172ykqgdnfmt5g)

The latest five minute news bulletin from BBC World Service.

TUE 07:06 Newsday (w172yf8x5ndnftw)

US congressional committee recommends criminal charges against Trump

Members of a US congressional committee have recommended that criminal charges be brought against Donald Trump for his role in the events of 6 Jan 2021, when protesters stormed the US Capitol building.

Also in the programme, Harvey Weinstein, the jailed former movie mogul whose assaults prompted the Me-Too movement has been convicted of further sexual assaults.

And Argentina football team are home after the World Cup win.

TUE 08:00 BBC News (w172ykqgdnfmxxl)

The latest five minute news bulletin from BBC World Service.

TUE 08:06 People Fixing The World (w3ct3j3g)

Grannies fixing the world

In many communities grandmothers have a great influence on their families and communities.

In Senegal we visit a project using grandmothers to give vital health information to adolescent girls and is also empowering them to influence men to stop practices like female genital mutilation.

We also tell the story of the Granny Cloud, a team of volunteer grandmothers from all over the world, who used the internet to reach out to some of the world's poorest children.

Presenter: Myra Anubi
Reporter/Producer: Farhana Haider
Series producer: Tom Colls
Sound mix: Annie Gardiner
Editor: Penny Murphy

Email: peoplefixingtheworld@bbc.co.uk

Image: Grandmothers and girls from The Grandmother Project, Senegal.

TUE 08:30 BBC News Summary (w172ykr8vd1b95z)

The latest two minute news summary from BBC World Service.

TUE 08:32 The Dark Is Rising (w3ct4lzn)

1. Midwinter Eve

This night will be bad. Tomorrow will be beyond all imagining. December 20, the day before Will's 11th birthday, and all he wants is snow. But something is not right. On his way to Dawson's Farm, a hunched old man scuttles into trees, the animals are disturbed. And then Will receives a present. It is a Sign. 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 (w3ct3c4b)

The BBC broadcasting through the Iron Curtain

It is the 90th anniversary of the BBC World Service. Broadcasting to countries behind the Iron Curtain without a free or independent media between 1947 and 1991 was arguably the service's finest hour.

The corporation was on the front line of the information war as the BBC's former Moscow correspondent Bridget Kendall recalls.

Programmes such as the German Service's Letters Without Signatures created a sense of community among isolated East Germans who could not air their views publicly at home.

Meanwhile, Peter Udell, the former controller of European Services, had the challenge of trying to overcome the Soviet censors. Produced and presented by Josephine McDermott.

Archive recordings of former employees in the BBC Oral History Collection were used courtesy of Sussex University.

(Photo: A West Berlin policeman looks at an East German watchtower at night, 1961. Credit: Getty Images)

TUE 09:00 BBC News (w172ykqgdnfn1nq)

The latest five minute news bulletin from BBC World Service.

TUE 09:06 The Newsroom (w172yl82t1smd93)

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

TUE 09:30 BBC News Summary (w172ykr8vd1bdy3)

The latest two minute news summary from BBC World Service.

TUE 09:32 The Documentary (w3ct4lyv)

[Repeat of broadcast at 02:32 today]

TUE 10:00 BBC News (w172ykqgdnfn5dv)

The latest five minute news bulletin from BBC World Service.

TUE 10:06 The Arts Hour (w3ct3916)

[Repeat of broadcast at 20:06 on Saturday]

TUE 11:00 BBC News (w172ykqgdnfn94z)

The latest five minute news bulletin from BBC World Service.

TUE 11:06 The Newsroom (w172yl82t1simmse)

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

TUE 11:30 BBC News Summary (w172ykr8vd1bnfc)

The latest two minute news summary from BBC World Service.

TUE 11:32 In the Studio (w3ct3jk0)

[Repeat of broadcast at 04:32 today]

TUE 12:00 BBC News (w172ykqgdnfn5dx3)

The latest five minute news bulletin from BBC World Service.

TUE 12:06 Outlook (w3ct353w)

Guns, guards, snarling dogs: A child migrant's story

Javier Zamora travelled alone from El Salvador to the US when he was just nine years old.

He had been living with relatives after his parents migrated to the US, but longed to be in his mother's arms. His parents hired a 'coyote', or people smuggler, to bring him across the borders, but the trip went wrong. Javier was abandoned by the coyote, and found himself reliant on strangers for survival as he journeyed for two months by bus, boat, and on foot, nearly dying in the Sonoran Desert. Javier is now a poet in the US, whose work explores the trauma of that experience, and what it means to be an undocumented migrant.

Presenter: Jo Fidgeon
Producer: Rebecca Vincent

Get in touch: outlook@bbc.com

(Photo: Javier Zamora. Credit: Gerardo Del Valle)

TUE 12:50 Witness History (w3ct3c4b)

[Repeat of broadcast at 08:50 today]

TUE 13:00 BBC News (w172ykqgdnfnjn7)

The latest five minute news bulletin from BBC World Service.

TUE 13:06 The Newsroom (w172y82t1smw8m)

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

TUE 13:30 BBC News Summary (w172ykr8vd1bwxm)

The latest two minute news summary from BBC World Service.

TUE 13:32 Discovery (w3ct30cg)

[Repeat of broadcast at 20:32 on Monday]

TUE 14:00 BBC News (w172ykqgdnfnnde)

The latest five minute news bulletin from BBC World Service.

TUE 14:06 Newshour (w172yfcchv6r6bn)

Nazi typist guilty of complicity in 10,500 murders

A 97 year old German woman has been given a two-year suspended sentence for complicity in the murder of more than ten thousand people during the Second World War.

Irmgard Furchner, 97, was taken on as a teenaged typist for the commander of a Nazi concentration camp between 1943 and 1945. With the generation who lived through the war increasingly passing on, could this be one of the last trials we see from this period of history?

Also in the programme: President Putin says Russia's borders need to be strengthened, as do social controls inside the country; and huge crowds mass in the Argentinian capital Buenos Aires, for a victory parade by the country's World Cup winning footballers.

(Photo shows Irmgard Furchner, a former secretary for an SS commander of a Stutthof concentration camp, in a courtroom in Itzehoe, northern Germany, on October 19, 2021. Credit: AFP)

TUE 15:00 BBC News (w172ykqgdnfn4h)

The latest five minute news bulletin from BBC World Service.

TUE 15:06 People Fixing The World (w3ct3j3g)

[Repeat of broadcast at 08:06 today]

TUE 15:30 BBC News Summary (w172ykr8vd1c4dw)

The latest two minute news summary from BBC World Service.

TUE 15:32 World Business Report (w3ct3g9f)

Japan makes moves to control inflation.

Japan makes moves to control inflation by announcing an unexpected change to its controversial yield curve control policy.

NHS nurses in England, Wales and Northern Ireland are on strike for the second time in less than a week in protest over their pay.

Fast fashion retailer Primark is opening its latest store in America today - in Downtown Brooklyn, New York. The company have big plans for expansion in the US over the next year.

TUE 16:00 BBC News (w172ykqgdnfnwmm)

The latest five minute news bulletin from BBC World Service.

TUE 16:06 BBC OS (w172yg1y94s397p)

Argentina football champions parade

Hundreds of thousands of Argentine football fans have gathered in Buenos Aires, to salute a victory parade by their World Cup winning football team. We hear from fans in the crowd.

Also in the programme: China's top health official says he believes China is experiencing the first of three expected waves of Covid infections this winter. We hear about the latest outbreak from our China Media Analyst.

And, we head to Pakistan, where torrential monsoon rains from June until October triggered the most severe flooding in the country's recent history, washing away villages and leaving millions of people in need of immediate, lifesaving support. We hear from three people living in the affected region.

(Photo: Argentina fans are seen ahead of the victory parade Credit: Reuters/Agustin Marcarian)

TUE 17:00 BBC News (w172ykqgdnfp0mr)

The latest five minute news bulletin from BBC World Service.

TUE 17:06 BBC OS (w172yg1y94s3dzt)

Argentina football champions parade

Hundreds of thousands of Argentine football fans have gathered in Buenos Aires, to salute a victory parade by their World Cup winning football team. We hear from fans in the crowd.

And Chinese authorities are rushing to boost the number of intensive care beds and health workers and increase medication supplies as Covid-19 surges through the country. We'll get the latest on the Covid situation in China.

And, we head to Pakistan, where torrential monsoon rains from June until October triggered the most severe flooding in the country's recent history, washing away villages and leaving millions of people in need of immediate, lifesaving support. We hear from three people living in the affected region.

(Photo: Banner of Argentina's Lionel Messi and former player Diego Maradona is seen ahead of the victory parade Credit: Reuters/Agustin Marcarian)

TUE 18:00 BBC News (w172ykqgdnfp4cw)

The latest five minute news bulletin from BBC World Service.

TUE 18:06 Outlook (w3ct353w)

[Repeat of broadcast at 12:06 today]

TUE 18:50 Witness History (w3ct3c4b)

[Repeat of broadcast at 08:50 today]

TUE 19:00 BBC News (w172ykqgdnfp840)

The latest five minute news bulletin from BBC World Service.

TUE 19:06 The Newsroom (w172y82t1snlrd)

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

TUE 19:30 BBC News Summary (w172ykr8vd1cmdd)

The latest two minute news summary from BBC World Service.

TUE 19:32 Sport Today (w3ct4ld6)

2022/12/20 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 (w172ykqgdnfp4cw)

The latest five minute news bulletin from BBC World Service.

TUE 20:06 The Documentary (w3ct4lyv)

[Repeat of broadcast at 02:32 today]

TUE 20:30 BBC News Summary (w172ykr8vd1cr4j)

The latest two minute news summary from BBC World Service.

TUE 20:32 Digital Planet (w3ct31zg)

Eight million SIMs blocked in Ghana

More than 8 million unregistered SIM cards have been blocked in Ghana. The Ministry of Communications and Digitisation set a final deadline for mobile phone users to link their SIM card to their identification cards and now those who have not been able to register cannot use their SIMS. Opposition parties and civil liberties groups are protesting as the SIM needs to be registered with the biometric Ghana Card. The scheme has been full of delays, but it looks as though the government is standing firm this time. BBC reporter in Accra Thomas Naadi is on the show.

Heart attack on a chip

Researchers at the University of Southern California have developed a "heart attack on a chip" to ultimately test new drugs and even personalise medicines. Prof Megan McCain and Dr Megan Rexius-Hall speak to Gareth about how the chip can monitor oxygen imbalances that happen in the heart during an attack. The heart muscle doesn't regenerate as well as other tissue in the body, meaning patients are often tired and do not recover to the previous levels of fitness. The chip will allow researchers to watch a 'heart attack' as it happens, which isn't possible in animals, and see how damage is being done. They hope to be able to monitor and see how the cells on the chip respond to different concentrations of oxygen as this too cannot be studied in animals or humans.

The end of hard copy games?

Nowadays, video games are getting so big, that you can't even fit them onto a CD anymore! In fact physical copies of the latest Call of Duty Game - Modern Warfare II, were essentially links to download the game, which is a massive 130 gigabytes! Our gaming reporter Chris Berrow has been finding out if it really is the end of physical games.

The programme is presented by Gareth Mitchell with expert commentary from Bill Thompson.

Producer: Ania Lichtarowicz
Studio Manager: Michael Millham

(Photo: SIM cards. Credit: Getty Images)

TUE 21:00 BBC News (w172ykqgdnfp8m8)

The latest five minute news bulletin from BBC World Service.

TUE 21:06 Newshour (w172yfcchv6s1kk)

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

TUE 22:00 BBC News (w172ykqgdnfp8m8)

The latest five minute news bulletin from BBC World Service.

TUE 22:06 The Newsroom (w172ykr8vd1c4dw)

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

TUE 22:20 Sports News (w172yghgqxfbqdp)

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

TUE 22:30 BBC News Summary (w172ykr8vd1czms)

The latest two minute news summary from BBC World Service.

TUE 22:32 World Business Report (w3ct3gcp)

Wells Fargo faces record \$3.7bn fine over mismanagement

The United States Consumer Financial Protection Bureau acts after widespread mismanagement of car loans, mortgages and bank accounts.

Japan set to control inflation by announcing an unexpected change to its controversial yield curve control policy.

And hundreds of nurses stage a second day of strike action over pay in England and Wales.

Picture: A Wells Fargo bank branch in New York, New York Credit: EPA/JUSTIN LANE.

TUE 23:00 BBC News (w172ykqgdnfp8j3)

The latest five minute news bulletin from BBC World Service.

TUE 23:06 People Fixing The World (w3ct3j3g)

[Repeat of broadcast at 08:06 today]

TUE 23:30 BBC News Summary (w172ykr8vd1d3cx)

The latest two minute news summary from BBC World Service.

TUE 23:32 In the Studio (w3ct3j3k)

[Repeat of broadcast at 04:32 today]

WEDNESDAY 21 DECEMBER 2022**WED 00:00 BBC News (w172ykqgdnfpvvn)**

The latest five minute news bulletin from BBC World Service.

WED 00:06 The Arts Hour (w3ct3916)

[Repeat of broadcast at 20:06 on Saturday]

WED 01:00 BBC News (w172ykqgdnfpzls)

The latest five minute news bulletin from BBC World Service.

WED 01:06 Business Matters (w172ydg7ffvpwj4)

US House committee votes to release Donald Trump's tax records to the public

Trump tax returns will be made public after a vote by US House committee.

Japan's central bank catches markets off guard by making a move to tackle inflation.

<p>And</p> <p>What impact will the Taliban government's decision to close universities for women have on the economy ?</p> <p>Devina Gupta discusses these and other business news stories with the Editor of National and Strategic Affairs at The Print website in India Jyoti Malhotra, and Walter Todd, the President and chief investment officer of US based Greenwood Capital.</p> <p>(Photo: House Ways and Means Committee Member Republican Kevin Brady speaks to reporters about former President Donald Trump's tax returns on Capitol Hill in Washington, U.S. Credit Reuters)</p> <p>WED 02:00 BBC News (w172ykqgdnfq3bx) The latest five minute news bulletin from BBC World Service.</p> <p>WED 02:06 The Newsroom (w172yl82t1spfz9) The world's Newsroom brings you global events as they happen</p> <p>WED 02:30 BBC News Summary (w172ykr8vd1dgm9) The latest two minute news summary from BBC World Service.</p> <p>WED 02:32 The Compass (w3ct4lyw) Bhopal</p> <p>Bhopal: Part one</p> <p>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.</p> <p>This cinematic documentary - narrated by Narinder Samra and featuring key witnesses - tells Keswani's courageous story for the first time.</p> <p>Producer: Neil McCarthy (Death in Ice Valley podcast)</p> <p>WED 03:00 BBC News (w172ykqgdnfq731) The latest five minute news bulletin from BBC World Service.</p> <p>WED 03:06 Outlook (w3ct353w) [Repeat of broadcast at 12:06 on Tuesday]</p> <p>WED 03:50 Witness History (w3ct3c4b) [Repeat of broadcast at 08:50 on Tuesday]</p> <p>WED 04:00 BBC News (w172ykqgdnfqbv5) The latest five minute news bulletin from BBC World Service.</p> <p>WED 04:06 The Newsroom (w172yl82t1sppgk) The world's Newsroom brings you global events as they happen</p> <p>WED 04:30 BBC News Summary (w172ykr8vd1dq3k) The latest two minute news summary from BBC World Service.</p> <p>WED 04:32 The Fake Paralympians (w3ct2gz3) 5. Court</p> <p>A criminal case is brought against the so-called fake Paralympians and the team's organisers. The prosecutor gives the inside take on the legal process and an outcome that left many frustrated.</p> <p>And Dan hears about the man accused of being the mastermind behind the scam and his surprising back story. Will he explain himself and apologise to the victims?</p> <p>Presenter: Dan Pepper Series Producer: Simon Maybin</p> <p>(Photo credit: EPA)</p> <p>WED 05:00 BBC News (w172ykqgdnfqg19) The latest five minute news bulletin from BBC World Service.</p>	<p>WED 05:06 Newsday (w172yf8x5ndr37q) Congressional inquiry wants to see criminal charges against Trump</p> <p>In Washington a congressional committee believes that Donald Trump should face criminal charges for his role in the Jan 6th assault on the Capitol building. We'll have the latest on this.</p> <p>And Harvey Weinstein has been convicted of further counts of rape and sexual assault, the movie producer is already in jail following convictions for sexual assault in 2020. These further convictions mean he is likely to spend the rest of his life in jail.</p> <p>Also in the programme, the Argentinian football team return home following their triumph at the World Cup finals in Qatar.</p> <p>WED 06:00 BBC News (w172ykqgdnfq1bf) The latest five minute news bulletin from BBC World Service.</p> <p>WED 06:06 Newsday (w172yf8x5ndr6zv) Ukraine's President Zelensky to meet with Biden in the US</p> <p>Reports say that he is on his way to Washington for a diplomatic visit. President Volodymyr Zelensky of Ukraine hasn't left his homeland since Russia invaded in February.</p> <p>Also in the programme, we look at the care given to Ukrainian orphans evacuated from their homeland and explore the debate about how best to care for them.</p> <p>And, new immigration rules in Sweden are creating problems for employers, who are struggling to find workers.</p> <p>WED 07:00 BBC News (w172ykqgdnfq2k) The latest five minute news bulletin from BBC World Service.</p> <p>WED 07:06 Newsday (w172yf8x5ndrbqz) Ukraine's President Zelensky to make his way to the United States</p> <p>The Ukrainian President Volodymyr Zelensky is on his way to the United States in his first trip abroad since the Russian invasion. He says the diplomatic visit will boost the defence capabilities of Ukraine.</p> <p>Also in the programme, we explore whether mining iron ore is bad for the environment. Sweden's indigenous Sami herders will have to live with a current mining project in their region.</p> <p>And we'll take a look at Covid-19 levels in China. There seems to be plenty of people affected by the disease, but official figures show only a few deaths.</p> <p>WED 08:00 BBC News (w172ykqgdnfq1tp) The latest five minute news bulletin from BBC World Service.</p> <p>WED 08:06 HARDtalk (w3ct32lh) Semyon Bychkov: Artists speaking out against Putin</p> <p>Stephen Sackur speaks to one of the world's great conductors, Semyon Bychkov. Born in the Soviet Union, exiled from Russia, and a fierce critic of Vladimir Putin's war in Ukraine, does he fear the fall out for artists when nationalism and politics take centre stage?</p> <p>WED 08:30 BBC News Summary (w172ykr8vd1f632) The latest two minute news summary from BBC World Service.</p> <p>WED 08:32 The Dark Is Rising (w3ct4lzp) 2. Midwinter Day</p> <p>Will awakes in a different time, centuries before his own. Where a familiar farm stood there is a huge forest, blanketed in snow. The Rider, a terrifying agent of the Dark, tries to kidnap him but Will is rescued by a white horse and taken to a pair of carved oak doors set on a hillside. 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 Yekinni</p>	<p>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>WED 08:50 Witness History (w3ct3c6l) Colombia's 'false positives' killings</p> <p>In 2008, it was revealed that Colombia's army had been executing civilians and pretending they were rebels killed in the country's ongoing civil war. At least 4,600 innocent people were murdered in this way. They became known as the 'false positives'.</p> <p>Ben Henderson speaks to Jacqueline Castillo, whose brother was one of the victims, and Carlos Mora, who was ordered to execute civilians when he was a soldier.</p> <p>(Photo: Families of 'false positives' victims. Credit: Juancho Torres/Anadolu Agency via Getty Images)</p> <p>WED 09:00 BBC News (w172ykqgdnfqykt) The latest five minute news bulletin from BBC World Service.</p> <p>WED 09:06 The Newsroom (w172yl82t1sq966) The world's Newsroom brings you global events as they happen</p> <p>WED 09:30 BBC News Summary (w172ykr8vd1f9v6) The latest two minute news summary from BBC World Service.</p> <p>WED 09:32 The Compass (w3ct4lyw) [Repeat of broadcast at 02:32 today]</p> <p>WED 10:00 BBC News (w172ykqgdnfr29y) The latest five minute news bulletin from BBC World Service.</p> <p>WED 10:06 The Reith Lectures (w3ct4l3m) The four freedoms: Freedom from fear</p> <p>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.</p> <p>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.</p> <p>WED 11:00 BBC News (w172ykqgdnfr622) The latest five minute news bulletin from BBC World Service.</p> <p>WED 11:06 The Newsroom (w172yl82t1sqjgg) The world's Newsroom brings you global events as they happen</p> <p>WED 11:30 BBC News Summary (w172ykr8vd1fkbg) The latest two minute news summary from BBC World Service.</p> <p>WED 11:32 The Fake Paralympians (w3ct2gz3) [Repeat of broadcast at 04:32 today]</p> <p>WED 12:00 BBC News (w172ykqgdnfr9t6) The latest five minute news bulletin from BBC World Service.</p> <p>WED 12:06 Outlook (w3ct3y9g) Olympic gymnast and representative of life on Earth</p>
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Cathy Rigby popularised gymnastics in the US, gracing the covers of magazines after her performances at the 1968 and 1972 Olympics. She became the first American woman to win a medal at the 1970 World Artistic Gymnastics Championships. She excelled even though she was battling with eating disorders that she would only conquer years later when she switched tumbling through the air as a gymnast for a Broadway role as the flying, free-spirited, Peter Pan. But where her legacy will live on longest is in space. Her image was selected to travel on a Voyager space probe to show other life forms the human body.

During this interview, Cathy speaks frankly about her battle with eating disorders. If you need support following anything you've heard in this episode there's information at bbc.com/actionline

Get in touch: outlook@bbc.com

Presenter: Mobeen Azhar
Producer: Patrick Kiteley

(Photo: Stroboscopic image of Cathy Rigby on the balance beam. Credit: Phillip Leonian, from the Leonian Charitable Trust)

WED 12:50 Witness History (w3ct3c6l)
[Repeat of broadcast at 08:50 today]

WED 13:00 BBC News (w172ykqgdnfrkb)
The latest five minute news bulletin from BBC World Service.

WED 13:06 The Newsroom (w172yl8211sg5q)
The world's Newsroom brings you global events as they happen

WED 13:30 BBC News Summary (w172ykr8vd1fstq)
The latest two minute news summary from BBC World Service.

WED 13:32 Digital Planet (w3ct31zg)
[Repeat of broadcast at 20:32 on Tuesday]

WED 14:00 BBC News (w172ykqgdnfrk9g)
The latest five minute news bulletin from BBC World Service.

WED 14:06 Newshour (w172yfcchv6v37r)
Zelensky to meet Biden in Washington

President Zelensky will meet President Biden in Washington later on his first trip abroad since Russia invaded. The US has confirmed it will supply Ukraine with a Patriot missile system, significantly increasing the country's air defence capability.

Hundreds of young women in Afghanistan have been stopped from entering university campuses, a day after the Taliban suspended higher education for female students. We hear from a student and UN Special Rapporteur on the situation of human rights in Afghanistan.

And why the army can't pretend to fill the gaps in Britain's healthcare system caused by striking ambulance workers today.

WED 15:00 BBC News (w172ykqgdnfrp1l)
The latest five minute news bulletin from BBC World Service.

WED 15:06 HARDtalk (w3ct32lh)
[Repeat of broadcast at 08:06 today]

WED 15:30 BBC News Summary (w172ykr8vd1g19z)
The latest two minute news summary from BBC World Service.

WED 15:32 World Business Report (w3ct3gfy)
Counting the cost for countries who send support and aid to Ukraine.

Ukrainian President Zelensky heads to Washington seeking financial aid.

As Covid cases surge in China, how one business is coping.

In the past decade, betting kiosks have spread throughout Cameroon, especially popping up around universities and other places where young people congregate. And it's been fuelled by the World Cup.

WED 16:00 BBC News (w172ykqgdnfrssq)
The latest five minute news bulletin from BBC World Service.

WED 16:06 BBC OS (w172yg1y94s664s)
Women banned from university in Afghanistan

How do Afghan women feel now the Taliban has banned them from university education? We hear from women who can no longer attend.

We have the latest as the Ukrainian president, Volodymyr Zelensky, arrives in Washington where he will meet US President Joe Biden.

And what is pickleball? We explain more about America's fastest growing sport.

(Photo: Kabul University in Kabul, Afghanistan, 21 December 2022. Credit: Stringer/EPA-EFE/REX/Shutterstock)

WED 17:00 BBC News (w172ykqgdnfrxjv)
The latest five minute news bulletin from BBC World Service.

WED 17:06 BBC OS (w172yg1y94s69wx)
Zelensky in Washington: Ukraine's leader heads to US for first foreign trip

We'll have the latest as Ukrainian President Volodymyr Zelensky arrives in Washington where he will meet US President Joe Biden.

How do Afghan women feel now the Taliban has banned them from university education? We'll be hearing from women who can no longer attend.

And what is pickleball? We'll explain more about America's fastest growing sport.

WED 18:00 BBC News (w172ykqgdnfs18z)
The latest five minute news bulletin from BBC World Service.

WED 18:06 Outlook (w3ct3y9g)
[Repeat of broadcast at 12:06 today]

WED 18:50 Witness History (w3ct3c6l)
[Repeat of broadcast at 08:50 today]

WED 19:00 BBC News (w172ykqgdnfs513)
The latest five minute news bulletin from BBC World Service.

WED 19:06 The Newsroom (w172yl8211srnhh)
The world's Newsroom brings you global events as they happen

WED 19:30 BBC News Summary (w172ykr8vd1g19h)
The latest two minute news summary from BBC World Service.

WED 19:32 Sport Today (w3ct4lgg)
2022/12/21 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 (w172ykqgdnfs8s7)
The latest five minute news bulletin from BBC World Service.

WED 20:06 The Compass (w3ct4lyw)
[Repeat of broadcast at 02:32 today]

WED 20:30 BBC News Summary (w172ykr8vd1gn1m)
The latest two minute news summary from BBC World Service.

WED 20:32 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

WED 21:00 BBC News (w172ykqgdnfsdjc)
The latest five minute news bulletin from BBC World Service.

WED 21:06 Newshour (w172yfcchv6vygn)
Zelensky thanks 'ordinary Americans' as he meets Biden

Ukraine's President Volodymyr Zelensky is meeting US President Joe Biden at the White House. Mr Zelensky says he's in the US to "thank the American people, the president and the congress for their much-needed support".

Also in the programme: Hundreds of young women in Afghanistan have been stopped from entering university campuses, a day after the Taliban suspended higher education for female students. We'll hear from two of them. We also go to northern Sweden where reindeer herders are opposing plans to invest in green technology.

(Photo: In their first moments together, Mr Biden tells Mr Zelensky that the United States backs "just peace" for Ukraine, telling the Ukrainian leader that his country continues to "impress the world". Credit: Getty Images)

WED 22:00 BBC News (w172ykqgdnfsj8h)
The latest five minute news bulletin from BBC World Service.

WED 22:06 The Newsroom (w172yrx6yl4hjb2)
The world's Newsroom brings you global events as they happen

WED 22:20 Sports News (w172yghgqxfm9s)
BBC Sport brings you all the latest stories and results from around the world.

WED 22:30 BBC News Summary (w172ykr8vd1gwjw)
The latest two minute news summary from BBC World Service.

WED 22:32 World Business Report (w3ct3gj6)
Biden announces \$1.85 billion military aid to Ukraine

The Biden administration has announced \$1.85bn in new lethal aid for Ukraine, including the Patriot air defence system.

Ukraine's president Volodymyr Zelensky calls the Patriot missile defence system a "very important step to create secure airspace over Ukraine".

He says it will "significantly" strengthen the country's defence.

(Picture: US President Joe Biden welcomes Ukraine's President Volodymyr Zelensky on the South Lawn of the White House, in Washington, DC on December 21, 2022. Picture Credit: Getty Images).

WED 23:00 BBC News (w172ykqgdnfsn0m)
The latest five minute news bulletin from BBC World Service.

WED 23:06 HARDtalk (w3ct32lh)
[Repeat of broadcast at 08:06 today]

WED 23:30 BBC News Summary (w172ykr8vd1h090)
The latest two minute news summary from BBC World Service.

WED 23:32 The Fake Paralympians (w3ct2gz3)
[Repeat of broadcast at 04:32 today]

THURSDAY 22 DECEMBER 2022

THU 00:00 BBC News (w172ykqgdnfsrrr)
The latest five minute news bulletin from BBC World Service.

THU 00:06 The Documentary (w3ct4lvr)
[Repeat of broadcast at 12:06 on Saturday]

THU 01:00 BBC News (w172ykqgdnfswhw)

The latest five minute news bulletin from BBC World Service.

THU 01:06 Business Matters (w172ydg7ffvssf7)

Volodymyr Zelensky: 'Ukraine will never surrender'

Ukraine's President Volodymyr Zelensky told the US Congress that American financial packages to help Ukraine are an investment in global security.

He said that many Ukrainians will be celebrating by candlelight "because there will be no electricity".

The US has announced more support for Ukraine, including a Patriot missile defence system.

(Picture: WASHINGTON, DC - DECEMBER 21: President of Ukraine Volodymyr Zelensky addresses a joint meeting of Congress in the House Chamber of the U.S. Capitol on December 21, 2022 in Washington, DC. Picture Credit: Getty Images).

THU 02:00 BBC News (w172ykqgdnf080)

The latest five minute news bulletin from BBC World Service.

THU 02:06 The Newsroom (w172y182t1ssbwd)

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

THU 02:30 BBC News Summary (w172ykr8vd1hcjd)

The latest two minute news summary from BBC World Service.

THU 02:32 Assignment (w3ct304p)

Spain's flamenco on the edge

To many, the passionate music and dance known as flamenco is an important marker of Spanish identity, and perhaps even synonymous with it. So much so, that Unesco has recognised the art form as part of the world's Intangible Cultural Heritage. Yet its place within the country of its birth is both more complicated – and more precarious - than this might suggest.

During the Covid lockdowns, a third of all flamenco venues closed down, and with many yet to reopen, training opportunities for new artists remain in short supply. The pandemic has also exacerbated the struggle of many singers and dancers to make ends meet. Meanwhile, to the outrage of purists, other practitioners see a future in fusing traditional flamenco with new, more commercially viable genres, such as pop and hip-hop. Still others see flamenco as a stereotype, and unhelpful to their country's modern image.

The BBC's Madrid correspondent Guy Hedgecoe takes us on a colourful journey, reflecting on flamenco's intriguing origins among the downtrodden folk culture of southern Spain, its difficult present, and its possibly uncertain future.

Presenter: Guy Hedgecoe

Producer: Mike Gallagher

THU 03:00 BBC News (w172ykqgdnf404)

The latest five minute news bulletin from BBC World Service.

THU 03:06 Outlook (w3ct3y9g)

[Repeat of broadcast at 12:06 on Wednesday]

THU 03:50 Witness History (w3ct3c6l)

[Repeat of broadcast at 08:50 on Wednesday]

THU 04:00 BBC News (w172ykqgdnf7r8)

The latest five minute news bulletin from BBC World Service.

THU 04:06 The Newsroom (w172y182t1sslc)

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

THU 04:30 BBC News Summary (w172ykr8vd1hm0n)

The latest two minute news summary from BBC World Service.

THU 04:32 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)

THU 05:00 BBC News (w172ykqgdnfthcd)

The latest five minute news bulletin from BBC World Service.

THU 05:06 Newsday (w172yf8x5ndv04t)

Ukraine's President Volodymyr Zelensky speaks to US Congress

Out of Ukraine for the first time since Russia's invasion began, President Volodymyr Zelensky addresses its biggest financial backer of his country's war effort. We'll have the latest.

Meanwhile Russia plans a massive expansion of its armed forces, we'll take you through the implications for the war in Ukraine.

Also in the programme, we'll hear about concerns in the Dominican Republic about a cholera outbreak in neighbouring Haiti travelling over the border.

THU 06:00 BBC News (w172ykqgdnfth7j)

The latest five minute news bulletin from BBC World Service.

THU 06:06 Newsday (w172yf8x5ndv3wy)

Ukrainian president Volodymyr Zelenskyy speaks to US Congress

The Ukrainian president Volodymyr Zelenskyy received a standing ovation and loud applause when he spoke to a joint session of the US Congress in his first trip overseas since the start of the Russian invasion.

Israel's prime minister-designate Benjamin Netanyahu has formed a new government seen as the most right wing in the country's history, we'll hear more from our Middle East correspondent.

Also in the programme, how are increasing property prices affecting the housing market in China? We'll get the latest.

THU 07:00 BBC News (w172ykqgdnftlzn)

The latest five minute news bulletin from BBC World Service.

THU 07:06 Newsday (w172yf8x5ndv7n2)

President Biden tells Ukrainian president that the United States will stick by Ukraine

President Biden has told the Ukrainian President Zelensky that the United States will stick by Ukraine "for as long as it takes" in its war with Russia. It's president Zelensky's first trip abroad since the Russian invasion.

Meanwhile Russia plans a massive expansion of its armed forces, we'll take you through the implications for the war in Ukraine.

Also in the programme, the former boss of failed cryptocurrency exchange FTX has landed in New York from the Bahamas where he faces fraud charges.

THU 08:00 BBC News (w172ykqgdnftqqs)

The latest five minute news bulletin from BBC World Service.

THU 08:06 The Inquiry (w3ct39v2)

Who is the true Zulu King?

Misuzulu ka Zwelithini was officially crowned King of the Zulu Nation in October after the death of his father. King Zwelithini died of Covid complications after ruling for fifty years.

It has set off a royal feud as members of the large Zulu royal family contest King Misuzulu's right to the throne.

Succession to the Zulu throne has been beset by violence for over a century. This time, the battle is in the courtroom.

In this week's Inquiry we ask, who is the true Zulu King?

Presenter: Audrey Brown

Producer: Louise Clarke-Rowbotham

Editor: Tara McDermott

Technical Producer: Craig Boardman

Production Coordinator: Brenda Brown

(Zulu King Misuzulu kaZwelithini at his coronation ceremony in Durban, South Africa. Credit: Darren Stewart/Getty Images)

THU 08:30 BBC News Summary (w172ykr8vd1j305)

The latest two minute news summary from BBC World Service.

THU 08:32 The Dark Is Rising (w3ct4ljq)

3. The Sign-Seeker

Will learns of his task: To find the six Signs of the Light before the Dark destroys them. He discovers an unexpected power and learns he is an Old One, whose duty is to fight the rising strength of the Dark across the centuries. 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 (w3ct3c22)

Grozny siege

In December 1994, Russian forces began the siege of Chechnya's capital Grozny.

Dr Aslan Doukaev was a university teacher when the first Chechen war started.

In this programme first broadcast in 2010 he tells Ed Butler about surviving months of conflict.

(Photo: Russian soldier during the siege of Grozny. Credit: Getty Images)

THU 09:00 BBC News (w172ykqgdnftvgx)

The latest five minute news bulletin from BBC World Service.

THU 09:06 The Newsroom (w172y182t1st639)

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

THU 09:30 BBC News Summary (w172ykr8vd1j6r9)

The latest two minute news summary from BBC World Service.

THU 09:32 Assignment (w3ct304p)

[Repeat of broadcast at 02:32 today]

THU 10:00 BBC News (w172ykqgdnft71)

The latest five minute news bulletin from BBC World Service.

THU 10:06 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)

THU 10:50 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)

THU 11:00 BBC News (w172ykqgdnf2z5)

The latest five minute news bulletin from BBC World Service.

THU 11:06 The Newsroom (w172yl82t1stflk)

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

THU 11:30 BBC News Summary (w172ykr8vd1jg7k)

The latest two minute news summary from BBC World Service.

THU 11:32 The Food Chain (w3ct38ny)

[Repeat of broadcast at 04:32 today]

THU 12:00 BBC News (w172ykqgdnf6q9)

The latest five minute news bulletin from BBC World Service.

THU 12:06 Outlook (w3ct34x3)

Unrepeated: Damo Suzuki's improvisations in music and life

Vocalist Damo Suzuki was born in Japan in 1950, but his desire to explore the world saw him move to Sweden as a teenager. He spent the next few years busking in an improvised style on the streets of various European towns and cities. A chance encounter in Munich with the pioneering German band Can led to him being asked to join them as their new vocalist, and he appeared on stage that same day. But Damo left Can when they were at their peak, shunning fame for a simpler life bringing up a family and working as a hotel receptionist. Later, facing the same cancer that killed his father, he made a radical return to music, and credits it with saving his life.

Get in touch: outlook@bbc.com

Presenter: Jo Fidge
Producer: Patrick Kiteley

(Photo: Damo Suzuki performs on stage at The Harley, Sheffield. Credit: Gary Wolstenholme/Redferns)

THU 12:50 Witness History (w3ct3c22)

[Repeat of broadcast at 08:50 today]

THU 13:00 BBC News (w172ykqgdnfvbgf)

The latest five minute news bulletin from BBC World Service.

THU 13:06 The Newsroom (w172yl82t1stp2t)

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

THU 13:30 BBC News Summary (w172ykr8vd1jppq)

The latest two minute news summary from BBC World Service.

THU 13:32 Health Check (w3ct32xh)

[Repeat of broadcast at 20:32 on Wednesday]

THU 14:00 BBC News (w172ykqgdnfv6k)

The latest five minute news bulletin from BBC World Service.

THU 14:06 Newshour (w172yfcchv6y04v)

Zelensky's US visit: what difference could it make to the war in Ukraine?

Ukraine's President Volodymyr Zelensky is en route back to Ukraine after visiting the United States for his first overseas trip since his country was invaded by Russia in February. In Washington he held talks with President Joe Biden and told US lawmakers that Ukraine was "alive and kicking" and would never surrender. Biden announced more support for Ukraine, including a Patriot missile defence system. We look at what difference this could make to the war. Also on the programme: a new government seen as the most right-wing in Israel's history has been agreed, sealing Benjamin Netanyahu's return to power. And we look at the uncertain future of flamenco in Spain. (Image: Ukrainian President Volodymyr Zelensky delivers an address to a joint meeting of the United States Congress in the House of Representatives chamber on Capitol Hill in Washington DC, USA, 21 December 2022. Photo by ERIC LEE/EPA-EFE/REX/Shutterstock)

THU 15:00 BBC News (w172ykqgdnfvkyp)

The latest five minute news bulletin from BBC World Service.

THU 15:06 The Inquiry (w3ct39v2)

[Repeat of broadcast at 08:06 today]

THU 15:30 BBC News Summary (w172ykr8vd1jy72)

The latest two minute news summary from BBC World Service.

THU 15:32 World Business Report (w3ct3g4x)

Tanzania opens new dam to help power issues

Officials from Egypt and Tanzania are inaugurating the new Julius Nyerere Hydropower dam. The dam has a capacity of 2,115 MW and is set to become the largest in East Africa, and Africa's fourth largest. It was built at a cost of US\$3 Billion. The inauguration will see the first filling of the dam along the Rufiji River.

Elsewhere Germany - Europe's largest economy - is burning more coal than it has done for a while. It now generates more than a third of its electricity from coal-fired power plants.

Plus El Gordo gets underway in Spain. It's the world's biggest lottery - with the equivalent of almost 2 and a half billion dollars up for grabs.

PHOTO CREDIT: Ascent Xmedia. 515966943

THU 16:00 BBC News (w172ykqgdnfvppt)

The latest five minute news bulletin from BBC World Service.

THU 16:06 BBC OS (w172yg1y94s931w)

Taliban arrest women protesting university ban

Security forces in Afghanistan have arrested several women as protests continue against the new ban by the Taliban on women attending universities. Our BBC Afghan reporter joins us to talk through what's been happening.

We also play a conversation, recorded before the announcement, between three women who have been on the programme in the past. One is in Afghanistan and two are in Europe. They tell us what they've been up to since we last heard from them.

And we hear the thoughts of Israelis and Palestinians on Benjamin Netanyahu's new government. It's seen as the most right-wing ever agreed in Israel's history.

(Photo: Afghan women chant slogans in protest against the closure of universities to women by the Taliban in Kabul, Afghanistan, December 22, 2022. Credit: Reuters/Stringer)

THU 17:00 BBC News (w172ykqgdnfvtfy)

The latest five minute news bulletin from BBC World Service.

THU 17:06 BBC OS (w172yg1y94s96t0)

Israel's new government

A new government seen as the most right-wing in Israel's history has been agreed, sealing Benjamin Netanyahu's return to power. His coalition contains far-right parties, including one whose leader was once convicted of anti-Arab racism. Our correspondent gives us the latest on the story. We also hear the thoughts of Israelis and Palestinians on the new government.

Also, security forces in Afghanistan have arrested several women as protests continue against the new ban by the Taliban on women attending universities. Our BBC Afghan reporter joins us to talk through what's been happening.

And we play a conversation, recorded before the announcement, between three women who have been on the programme in the past. One is in Afghanistan and two are in Europe. They tell us what they've been up to since we last heard from them.

(Photo: File image of Benjamin Netanyahu in Jerusalem November 13, 2022. Credit: Reuters/Ronen Zvulun/File Photo)

THU 18:00 BBC News (w172ykqgdnfv62)

The latest five minute news bulletin from BBC World Service.

THU 18:06 Outlook (w3ct34x3)

[Repeat of broadcast at 12:06 today]

THU 18:50 Witness History (w3ct3c22)

[Repeat of broadcast at 08:50 today]

THU 19:00 BBC News (w172ykqgdnfw1y6)

The latest five minute news bulletin from BBC World Service.

THU 19:06 The Newsroom (w172yl82t1svdki)

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

THU 19:30 BBC News Summary (w172ykr8vd1kf6l)

The latest two minute news summary from BBC World Service.

THU 19:32 Sport Today (w3ct4l9y)

2022/12/22 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 (w172ykqgdnfw5pb)

The latest five minute news bulletin from BBC World Service.

THU 20:06 Assignment (w3ct304p)

[Repeat of broadcast at 02:32 today]

THU 20:30 BBC News Summary (w172ykr8vd1kjyq)

The latest two minute news summary from BBC World Service.

THU 20:32 Science In Action (w3ct36b3)

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

Image credit: Shinji Kasai

Producer: Roland Pease
Assistant Producer: Sophie Ormiston

THU 21:00 BBC News (w172ykqgdnfw9fg)

The latest five minute news bulletin from BBC World Service.

THU 21:06 Newshour (w172yfcchv6yver)

Israel set for its most right-wing cabinet

Israel to have its most right-wing government; also in the programme why did the Taleban ban girls from universities; and nepotism in Hollywood.

(Photo: Israeli Prime-minister Benjamin Netanyahu. Credit: Reuters)

THU 22:00 BBC News (w172ykqgdndfwf5l)

The latest five minute news bulletin from BBC World Service.

THU 22:06 The Newsroom (w172yrx6y14lf75)

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

THU 22:20 Sports News (w172yghgqxfj6w)

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

THU 22:30 BBC News Summary (w172ykr8vd1ksfz)

The latest two minute news summary from BBC World Service.

THU 22:32 World Business Report (w3ct3g75)

Bomb cyclone storm coming to the US and Canada

Up to 55 miles per hour winter winds and very cold weather is set to affect millions across the US this week, just as they try to meet up with their families over Christmas. Freezing temperatures and strong storms threaten to wreak havoc on holiday travel plans. We can only hope that Santa will make it!

A private Russian military company The Wagner Group has now been accused by the US government of buying rockets and missiles from North Korea for use in Ukraine – charges it denies. So what is this company? Is it a commercial entity or just an arm of the Russian state?

Plus the disgraced founder of the collapsed cryptocurrency exchange, FTX, has appeared in a court in New York where he faces multi-billion dollar fraud charges.

(Picture: Snow fall. Picture Credit: Getty Images)

THU 23:00 BBC News (w172ykqgdndfwjxq)

The latest five minute news bulletin from BBC World Service.

THU 23:06 The Inquiry (w3ct39v2)

[Repeat of broadcast at 08:06 today]

THU 23:30 BBC News Summary (w172ykr8vd1kx63)

The latest two minute news summary from BBC World Service.

THU 23:32 The Food Chain (w3ct38ny)

[Repeat of broadcast at 04:32 today]

FRIDAY 23 DECEMBER 2022**FRI 00:00 BBC News (w172ykqgdndfwnnv)**

The latest five minute news bulletin from BBC World Service.

FRI 00:06 The Forum (w3ct38tg)

[Repeat of broadcast at 10:06 on Thursday]

FRI 00:50 Sporting Witness (w3ct36gm)

[Repeat of broadcast at 10:50 on Thursday]

FRI 01:00 BBC News (w172ykqgdndfwsdz)

The latest five minute news bulletin from BBC World Service.

FRI 01:06 Business Matters (w172ydg7ffvpbb)

Bomb cyclone bringing severe winter weather to the US and Canada

Up to 55 miles per hour winter winds and very cold weather is set to affect millions across the US this week, just as they try to meet up with their families over Christmas. Freezing temperatures and strong storms threaten to wreak havoc on holiday travel plans. We can only hope that Santa will make it!

Hospitals in China appear to be filling up amid concerns about a fresh Covid wave hitting the country, the World Health Organization says. Official Chinese figures show no-one died of

Covid on Wednesday but there is scepticism about the disease's real impact.

And which song is going to be the official Christmas Number 1 in the UK?

(Picture: Snow fall. Picture Credit: Getty Images)

FRI 02:00 BBC News (w172ykqgdndfwx53)

The latest five minute news bulletin from BBC World Service.

FRI 02:06 The Newsroom (w172yl82t1sw7sh)

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

FRI 02:30 BBC News Summary (w172ykr8vd1l8fh)

The latest two minute news summary from BBC World Service.

FRI 02:32 World Football (w3ct3hr5)

In conversation with Roy Hodgson: From Sweden to the San Siro

The former Inter Milan, Liverpool and England coach Roy Hodgson remembers his early career.

In the first of two special programmes he recalls playing in South Africa during the apartheid era, revolutionising the game in Sweden, finding success with the Swiss national team, and getting a dream move to Italy's Serie A.

Picture on website: Roy Hodgson applauds the fans after a match between Crystal Palace and Watford. (Sebastian Frej/MB Media/Getty Images)

FRI 03:00 BBC News (w172ykqgdndfx0x7)

The latest five minute news bulletin from BBC World Service.

FRI 03:06 Outlook (w3ct34x3)

[Repeat of broadcast at 12:06 on Thursday]

FRI 03:50 Witness History (w3ct3c22)

[Repeat of broadcast at 08:50 on Thursday]

FRI 04:00 BBC News (w172ykqgdndfx4nc)

The latest five minute news bulletin from BBC World Service.

FRI 04:06 The Newsroom (w172yl82t1sw8r)

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

FRI 04:30 BBC News Summary (w172ykr8vd1lhr)

The latest two minute news summary from BBC World Service.

FRI 04:32 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.

FRI 05:00 BBC News (w172ykqgdndfx8dh)

The latest five minute news bulletin from BBC World Service.

FRI 05:06 Newsday (w172yf8x5ndxx1x)

US Capitol: Donald Trump accused of 'multi-part conspiracy'

The US Congressional report on the deadly assault on the Capitol last year has accused Donald Trump of a multi-part conspiracy to overturn the result of the 2020 elections.

Oleksandra Matviichuk from Ukraine's Centre for Civil Liberties gives her take on sharing the 2022 Nobel Peace Prize.

And Manchester United faces League One Charlton in the quarter-finals of the Carabao Cup.

FRI 06:00 BBC News (w172ykqgdndfxd4m)

The latest five minute news bulletin from BBC World Service.

FRI 06:06 Newsday (w172yf8x5ndy0t1)

Donald Trump accused of multi-part conspiracy

The congressional panel investigating last year's attack on the US Capitol has accused former President Donald Trump of a "multi-part conspiracy" to overturn his election defeat three months earlier.

Plunging temperatures have placed millions of people across the United States and Canada under weather alerts.

And Turkey increases the minimum wage by 55%.

FRI 07:00 BBC News (w172ykqgdndfxhwr)

The latest five minute news bulletin from BBC World Service.

FRI 07:06 Newsday (w172yf8x5ndy4k5)

January 6 panel accuses Trump of 'multi-part conspiracy'

The US Congressional report on the deadly assault on the Capitol last year has accused Donald Trump of a multi-part conspiracy to overturn the result of the 2020 elections. The full report comes just days after the panel recommended the Justice Department bring criminal charges against the former president.

Plunging temperatures have placed millions of people across the United States and Canada under weather alerts.

And passengers flying into the UK face the prospect of long queues at the border as passport officers begin eight days of strikes.

FRI 08:00 BBC News (w172ykqgdndfxmmw)

The latest five minute news bulletin from BBC World Service.

FRI 08:06 HARDtalk (w3ct32gy)

Hardtalk in 2022

Passion, pain, tension, denial. This past year we've seen it all. Stephen Sackur presents excerpts from some of our most powerful interviews concerning matters of war and peace, human rights (in particular women's rights), freedom of expression and freedom of information.

FRI 08:30 BBC News Summary (w172ykr8vd1lzx8)

The latest two minute news summary from BBC World Service.

FRI 08:32 The Dark Is Rising (w3ct4lzz)

4. The Walker on the Old Way

On an ancient path Will tries his powers for the first time and the Dark appears - in the form of a farm girl who casts a spell. He is powerless to resist as she takes the prized Signs, laughing. 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 (w3ct3bxx)
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)

FRI 09:00 BBC News (w172ykqgdnfxrd0)
The latest five minute news bulletin from BBC World Service.

FRI 09:06 The Newsroom (w172yl82t1sx30d)
The world's Newsroom brings you global events as they happen

FRI 09:30 BBC News Summary (w172ykr8vd1m3nd)
The latest two minute news summary from BBC World Service.

FRI 09:32 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?

FRI 10:00 BBC News (w172ykqgdnfxw44)
The latest five minute news bulletin from BBC World Service.

FRI 10:06 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.

FRI 11:00 BBC News (w172ykqgdnfxzw8)
The latest five minute news bulletin from BBC World Service.

FRI 11:06 The Newsroom (w172yl82t1sxbhn)
The world's Newsroom brings you global events as they happen

FRI 11:30 BBC News Summary (w172ykr8vd1mc4n)
The latest two minute news summary from BBC World Service.

FRI 11:32 World Football (w3ct3hr5)
[Repeat of broadcast at 02:32 today]

FRI 12:00 BBC News (w172ykqgdnfy3md)
The latest five minute news bulletin from BBC World Service.

FRI 12:06 The Fifth Floor (w3ct3809)

Can saying fool land you in jail?

Last week Istanbul's Mayor Ekrem İmamoğlu 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 Jakrajutatip 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 Saraçhane in support of Ekrem İmamoğlu who has been sentenced to prison. Credit :Hakan Akgun /dia image via Getty Images).

FRI 12:50 Witness History (w3ct3bxx)
[Repeat of broadcast at 08:50 today]

FRI 13:00 BBC News (w172ykqgdnfy7cj)
The latest five minute news bulletin from BBC World Service.

FRI 13:06 The Newsroom (w172yl82t1sxkzx)
The world's Newsroom brings you global events as they happen

FRI 13:30 BBC News Summary (w172ykr8vd1mlmx)
The latest two minute news summary from BBC World Service.

FRI 13:32 Science In Action (w3ct36b3)
[Repeat of broadcast at 20:32 on Thursday]

FRI 14:00 BBC News (w172ykqgdnfy3n)
The latest five minute news bulletin from BBC World Service.

FRI 14:06 Newshour (w172yfcchv70x1y)
January 6 committee issues final report

The report by the US Congressional committee investigating the deadly assault on the Capitol last year has been published in full. It accuses the former president, Donald Trump, of a conspiracy to overturn the result of the 2020 elections and recommends barring him from public office.

French police have arrested a man in his sixties after a shooting in central Paris left three people dead.

And we hear from the frontline in eastern Ukraine from a young soldier.

(Photo credit: EPA)

FRI 15:00 BBC News (w172ykqgdnfygvs)
The latest five minute news bulletin from BBC World Service.

FRI 15:06 HARDtalk (w3ct32gy)
[Repeat of broadcast at 08:06 today]

FRI 15:30 BBC News Summary (w172ykr8vd1mv45)

The latest two minute news summary from BBC World Service.

FRI 15:32 World Business Report (w3ct3fww)
World Business Report: grain special

In this in-depth special programme, we look at the continuing impact to the world's food supply of the ongoing conflict in Ukraine. Despite the fact a grain deal was brokered by Turkey six months ago, 13 million people are still facing severe hunger according to Unicef. We speak to Unicef's Deputy Regional Director for Eastern and Southern Africa, Rania Dagash about this.

Ukraine's Deputy Infrastructure Minister Yurii Vaskov explains how it's far from simple getting grain ships to leave the war-torn country, which is one of the world's largest producers.

Bilal Muftuoglu, agricultural specialist at Argus, gives us a full analysis of global grain prices across this year - and provides a forecast for 2023.

(Image: Cargo ship on the background of grain. Transportation of grain by sea - stock photo. Image credit: Getty Images)

FRI 16:00 BBC News (w172ykqgdnfyllx)
The latest five minute news bulletin from BBC World Service.

FRI 16:06 BBC OS (w172yg1y94sczyz)
Arctic winter storm hits US and Canada

Plunging temperatures are causing havoc across the US and Canada. The arctic winter storm has brought damaging winds and freezing temperatures that can quickly lead to frostbite. We hear from a meteorologist in the US, and how people are coping with the arctic conditions.

We continue to hear from Afghanistan, where there have been protests against the ban on women attending universities. The Taliban have also expelled female teachers from some schools.

And men will be able to compete in artistic swimming in the next Olympics for the first time. We speak to an athlete about the sport.

(Photo: This map image shows the surface air temperature anomalies forecasted for December 23, 2022. Credit: ASA Earth Observatory image by Joshua Stevens, using GEOS-5 data from the Global Modelling and Assimilation Office at NASA)

FRI 17:00 BBC News (w172ykqgdnfyqc1)
The latest five minute news bulletin from BBC World Service.

FRI 17:06 BBC OS (w172yg1y94sd3q3)
Arctic winter storm hits US and Canada

Plunging temperatures are causing havoc across the US and Canada. The arctic winter storm has brought damaging winds and freezing temperatures that can quickly lead to frostbite. We hear from a meteorologist in the US, and how people are coping with the arctic conditions.

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And men will be able to compete in artistic swimming in the next Olympics for the first time. We speak to an athlete about the sport.

(Photo: People arrive at terminal 3 during a winter storm at Toronto Pearson International Airport in Mississauga, Ontario, Canada December 23, 2022. Credit: Reuters/Carlos Osorio)

FRI 18:00 BBC News (w172ykqgdnfyv35)
The latest five minute news bulletin from BBC World Service.

FRI 18:06 The Fifth Floor (w3ct3809)
[Repeat of broadcast at 12:06 today]

FRI 18:50 Witness History (w3ct3bxx)
[Repeat of broadcast at 08:50 today]

FRI 19:00 BBC News (w172ykqgdnfyv9)
The latest five minute news bulletin from BBC World Service.

FRI 19:06 The Newsroom (w172yl82t1sy9gp)
The world's Newsroom brings you global events as they happen

FRI 19:30 BBC News Summary (w172ykr8vd1nb3p)

The latest two minute news summary from BBC World Service.

FRI 19:32 Sport Today (w3ct4l5f)

2022/12/23 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 (w172ykqgdnfz2lf)

The latest five minute news bulletin from BBC World Service.

FRI 20:06 Tech Tent (w3ct4khx)

[Repeat of broadcast at 09:32 today]

FRI 20:30 BBC News Summary (w172ykr8vd1nfvf)

The latest two minute news summary from BBC World Service.

FRI 20:32 CrowdScience (w3ct3j7z)

Why are my parents so annoying?

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.

Producer: Lorna Stewart

(Photo: Teenager putting fingers in ear while parent tries to talk to them. Credit: Getty Images)

FRI 21:00 BBC News (w172ykqgdnfz6bk)

The latest five minute news bulletin from BBC World Service.

FRI 21:06 Newshour (w172yfcchv71r8v)

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

FRI 22:00 BBC News (w172ykqgdnfzb2p)

The latest five minute news bulletin from BBC World Service.

FRI 22:06 The Newsroom (w172yrx6yl4pb48)

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

FRI 22:20 Sports News (w172yghgqxfmf3z)

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

FRI 22:30 BBC News Summary (w172ykr8vd1nvc2)

The latest two minute news summary from BBC World Service.

FRI 22:32 World Business Report (w3ct3fy4)

First broadcast 23/12/2022 22:32 GMT

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

FRI 23:00 BBC News (w172ykqgdnfzftt)

The latest five minute news bulletin from BBC World Service.

FRI 23:06 HARDtalk (w3ct32gy)

[Repeat of broadcast at 08:06 today]

FRI 23:30 BBC News Summary (w172ykr8vd1nt36)

The latest two minute news summary from BBC World Service.

FRI 23:32 World Football (w3ct3hr5)

[Repeat of broadcast at 02:32 today]