

**SATURDAY 27 AUGUST 2022****SAT 00:00 BBC News (w172ykq6s0x7jfx)**

The latest five minute news bulletin from BBC World Service.

**SAT 00:06 The Real Story (w3ct33pb)**

Nasa's plan to go back to the Moon

Nasa's first step in their plan to send humans back to the surface of the Moon is fast approaching. The programme, called Artemis, is costing tens of billions of dollars and will begin with Artemis I, scheduled to launch on 29 August. The uncrewed mission will send the Orion spacecraft to orbit the Moon. Subsequent missions in the coming years aim to return humans to the Moon's surface for the first time in over 50 years and will include a woman and a person of colour. Nasa sees a return to the Moon as a way to prepare for a mission to Mars. But what exactly are they hoping to learn and what difference will any of it make to all of us back here on Earth?

Paul Henley is joined by a panel of expert guests.  
Producers: Paul Schuster and Ellen Otzen.

**SAT 01:00 BBC News (w172ykq6s0x7n61)**

The latest five minute news bulletin from BBC World Service.

**SAT 01:06 Business Matters (w172ydpzstb7k3d)**

US stock markets down after Powell's interest rate warning

Stock markets in the US ended the week sharply down following tough comments by the head of the country's central bank, the Federal Reserve.

Warner Brothers Discovery has shelved the nearly completed Batgirl movie in a series of cancellations and major changes involving high-profile DC projects.

Moderna said it is suing Pfizer and its German partner BioNTech for patent infringement linked to the development of the first Covid-19 vaccines.

California is to ban the sale of new petrol-only vehicles by 2035, which is aimed at forcing car makers to accelerate the introduction to the market of cleaner vehicles.

(Powell's words sent US stocks into a tailspin. Credit: Getty Images)

**SAT 02:00 BBC News (w172ykq6s0x7ry5)**

The latest five minute news bulletin from BBC World Service.

**SAT 02:06 The Newsroom (w172yl7v5f873kk)**

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

**SAT 02:30 BBC News Summary (w172ykr16rhy46k)**

The latest two minute news summary from BBC World Service.

**SAT 02:32 Stumped (w3ct3710)**

Shadab Khan: 'Babar Azam is the best in the world'

On this week's Stumped with Eleanor Oldroyd, Jim Maxwell and Sumil Gupta, we speak to Pakistan's white-ball vice-captain Shadab Khan ahead of the Asia Cup. The 23-year-old says the tournament is ideal preparation for the T20 World Cup in October and claims that his team-mate and captain Babar Azam has now overtaken India legend Virat Kohli as the world's best batsman across all formats of the game.

Plus the chief executive of Cricket Namibia, Johan Muller tells us about cricket's development and popularity in Namibia during what has been described as a "golden era" for the country.

**SAT 03:00 BBC News (w172ykq6s0x7wp9)**

The latest five minute news bulletin from BBC World Service.

**SAT 03:06 The Fifth Floor (w3ct37zm)**

Russia's colonial past, and present?

The Russian Foreign Minister recently wrote that Russia had 'never stained itself with the bloody crimes of colonialism'. It's not a new theme for Sergei Lavrov but it did surprise many Russian historians. BBC Russian's Grigor Atanesian wrote an article testing Mr Lavrov's claims.

Rural schools in Azerbaijan

A plea by a 13-year-old Azerbaijani schoolgirl has put the spotlight on rural education in the country, with too few schools in some regions and badly maintained buildings. BBC Azerbaijani filmed Zahra walking the 4 kilometre return trip to

her classroom, and editor Könül Khalilova shares the story.

Military service for K-pop superstars

Members of the K-pop band BTS may soon have to complete their military service, but this may not mean they have to stop performing. The band had already been given a 2 year deferral, and parliament is debating radically shortening their service, as Julie Yoonnyung Lee of BBC Korean explains.

Five years of the Rohingya crisis

BBC Bangla has been marking the fifth anniversary of the Rohingya crisis, which sent more than a million refugees from Myanmar into the Cox's Bazar refugee camp. Journalists Akbar Hossain and Shahnewaj Rocky heard from Rohingya refugees and the local Bengali community about their perspectives.

A travelling heart

The embalmed heart of Brazil's first emperor, Dom Pedro I, has arrived in the country as part of celebrations for its bicentenary. Dom Pedro is remembered as a hero who led Brazil's independence from Portugal, but he also allowed slavery to continue. BBC Brasil's Nathalia Passarinho tells us about the man behind the heart.

(Photo: An official of Bukhara Emirate, a Russian protectorate. Credit: Sergey Prokudin-Gorskii/Getty Images)

**SAT 03:50 Witness History (w3ct3bww)**

India's onion election

In January 1980, Indira Gandhi's Congress (I) party was voted into power in India.

Before the election, inflation meant that onions were unaffordable for many Indians and became a big election issue.

Indira Gandhi used the issue to appeal to voters during her campaign which would help to secure her victory that year.

Reena Stanton-Sharma speaks to Suda Pai, a former professor of political science at Jawaharlal Nehru University.

Image: Vendor Pushing Cart With Onions On Road. Credit: Venkataramana Allam / EyeEm

**SAT 04:00 BBC News (w172ykq6s0x80ff)**

The latest five minute news bulletin from BBC World Service.

**SAT 04:06 The Real Story (w3ct33pb)**

[Repeat of broadcast at 00:06 today]

**SAT 05:00 BBC News (w172ykq6s0x845k)**

The latest five minute news bulletin from BBC World Service.

**SAT 05:06 The Newsroom (w172yl7v5f87gsy)**

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

**SAT 05:30 BBC News Summary (w172ykr16rhyhfy)**

The latest two minute news summary from BBC World Service.

**SAT 05:32 Dear Daughter (w3ct42gd)**

Birds and bees

"Nothing is off limits." Daisy on how she will talk to her daughter about sex: smashing taboos and overcoming old-fashioned attitudes.

Episode 13 letter writer: Daisy

Listen online at [bbcworldservice.com/deardaughter](https://bbcworldservice.com/deardaughter)

**SAT 05:50 More or Less (w3ct3k52)**

Kenya's Election Rounding Error

When the official figures were announced in Kenya's presidential election, it looked like the total percentage share of the vote for each candidate came to more than 100%. As this should not be possible, many wondered if up to 142,000 votes might be miscounted. We explore what turns out to be a simple mathematical misunderstanding of the numbers.

Reporters: Beverly Ochieng, Peter Mwai and Charlotte McDonald.  
Producer: Charlotte McDonald

(Kenyan woman casts her ballot at a polling station during Kenya's general election August 9 2022. Credit: Luis Tato/Getty Images)

**SAT 06:00 BBC News (w172ykq6s0x87xp)**

The latest five minute news bulletin from BBC World Service.

**SAT 06:06 Weekend (w172ykwkj13vi8x)**

US stocks take a nosedive

Stock markets in the United States have fallen sharply after the head of the US central bank warned of more tough times to come.

Also, we get the latest on the devastating floods in Pakistan, which have killed more than 900 people.

Plus, the pharmaceutical firm Moderna files a lawsuit alleging its rivals, Pfizer and BioNTech, copied its coronavirus vaccine technology.

And why are thousands of fish dying in a river between Poland and Germany?

Joining Julian Worricker to discuss these and other issues are Alex von Tunzelmann, a British historian, film and TV scriptwriter, and author; and Dipo Faloyin, an author and senior editor at VICE News in London.

(Image: Stock Market Data. Credit: Getty Images)

**SAT 07:00 BBC News (w172ykq6s0x8cnt)**

The latest five minute news bulletin from BBC World Service.

**SAT 07:06 Weekend (w172ykwkj13vq11)**

President Macron visits Algeria

We hear about President Macron's visit to Algeria to mend ties and secure more gas supplies.

Also, a warning of tough times ahead for the US economy from the head of the central bank, the Federal Reserve, prompts a sharp fall in share prices on Wall Street.

And we discuss why men still aren't doing a fair share of domestic housework.

Joining Julian Worricker to discuss these and other issues are Alex von Tunzelmann, a British historian, film and TV scriptwriter, and author; and Dipo Faloyin, an author and senior editor at VICE News in London.

(Image: French President Emmanuel Macron (L) and Algeria's President Abdelmadjid Tebboune meeting in Algiers. Credit: LUDOVIC MARIN/AFP via Getty Images)

**SAT 08:00 BBC News (w172ykq6s0x8hdy)**

The latest five minute news bulletin from BBC World Service.

**SAT 08:06 Weekend (w172ykwkj13vts5)**

Pakistan braces as floods worsen

Officials in Pakistan say people living near rivers should move urgently to higher ground, as the country's flood emergency worsens. We get the latest on the devastating floods which have killed more than 900 people.

Also, the pharmaceutical firm Moderna files a lawsuit alleging its rivals, Pfizer and BioNTech, copied its coronavirus vaccine technology.

And why Chinese censors are changing the endings of Hollywood films.

Joining Julian Worricker to discuss these and other issues are Alex von Tunzelmann, a British historian, film and TV scriptwriter, and author; and Dipo Faloyin, an author and senior editor at VICE News in London.

(Image: Pakistani flood victims wade through flood water following flash flood in Mirpur Khas town, in southern Sindh province, Pakistan. Credit: AHMED ALI/Anadolu Agency via Getty Images)

**SAT 08:30 BBC News Summary (w172ykr16rhyhpb)**

The latest two minute news summary from BBC World Service.

**SAT 08:32 The Conversation (w3ct37m8)**

Women growing grain

Most of us rely on farmers to produce our food and rising costs for farmers are leading to spiralling food prices. It's in part down to huge increases in the cost of fuel and fertiliser, shortages of labour and the pressures of a changing climate. Kim Chakanetsa talks to two women farmers from Australia and the UK about their love for the land, the responsibility of running a family farm and how they deal with the pressure.

Katrina Sasse is an Australian cereal farmer and 2017 Nuffield Australia Scholar. She works on her large family farm and has a smaller bit of land herself. She questioned why, when addressing the shortage of farmers, nothing was focused on the capacity of farm daughters to become farmers. As part of her Nuffield research she travelled the world to interview farmers about the structural and cultural issues within agriculture that need to change for the gender gap to close.

Sarah Bell manages her family's mixed arable farm in the English Midlands along with her husband and parents. Unusually she's the one who's running the family farm despite having a brother – but he didn't want to go into farming. She also runs a consultancy business to agricultural food industry businesses and other farmers two days a week to supplement the farm income. She jokes there are more men called Mark on boards in the grain trade than there are women. Her key principle is 'farm profitably and tread lightly'.

Produced by Jane Thurlow

(Image: (L) Katrina Sasse, credit: Kim Storey. (R) Sarah Bell, credit: Sonara Studios Oakham Rutland.)

#### SAT 09:00 BBC News (w172ykq6s0x8m52)

The latest five minute news bulletin from BBC World Service.

#### SAT 09:06 BBC OS Conversations (w3ct417w)

Ukrainians six months on since the start of war

August 24 is always a significant date for Ukraine, as it marks official independence from the Soviet Union in 1991. This year, however, it also marked six months since Russia invaded the country. Russian officials initially predicted a short campaign but the fighting shows no sign of ending soon. The human cost has been immense – thousands of lives have been lost on both sides.

Three women share what it is like to have family members involved directly in the war. Two have partners fighting on the frontline but Anna's husband is not a soldier: He is a surgeon. Along with other colleagues, he has been held in captivity by the Russians.

Host James Reynolds revisits two mothers who escaped with their children to Germany and Switzerland near the start of the war. They tell us how they are faring and keeping in touch with loved ones back home.

We also hear messages from a Ukrainian military sniper, a 20-year-old volunteer military interpreter and a former US marine who is now one of thousands of volunteer fighters in the country.

Meanwhile, a Russian woman in Riga describes the impact of the war on her family and a Russian man living in Moscow calling for truce.

(Photo: A local resident picks up food from the fridge near his house, destroyed by yesterday's Russian military strike, as Russia's attack on Ukraine continues, in Chaplyne, Dnipropetrovsk region, Ukraine August 25, 2022. Credit: Dmytro Smolienko/Reuters)

#### SAT 09:30 BBC News Summary (w172ykr16rhzyzf)

The latest two minute news summary from BBC World Service.

#### SAT 09:32 Pick of the World (w3ct41x5)

Why Japan wants young people to drink more alcohol

The pick of the BBC World Service chosen by digital audiences: Japan's drive to help the country's bars sell more alcohol, plus up close in Ukraine's drone war with Russia, the one-handed concert pianist and what exactly is Hinduphobia?

#### SAT 09:50 Over to You (w3ct35sm)

The story of award-winning podcast Dear Daughter

The series Dear Daughter came out of a listener's desire to write letters to her young child. We hear the story of how this award-winning and highly emotional podcast was born. Plus, after a recent mauling, a listener comes to the defence of Music Life - in part at least.

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

#### SAT 10:00 BBC News (w172ykq6s0x8qx6)

The latest five minute news bulletin from BBC World Service.

#### SAT 10:06 Sportshour (w172yg8nkg2f2cn2)

Bikes will change the world

Cyclist Luis Angel Mate, who has already planted 100 trees, tells us why he will plant a tree for every kilometre he's in a breakaway group in this year's Vuelta a España. The pledge will be matched by race organisers and his team Euskaltel - Euskadi. Mate has seen first hand the damage that wild fires can do after his home town was badly affected last year. It will be particularly poignant when he rides through the town on the 12th stage of this year's race. He's been explaining his passion for the environment and how he believes "bikes will save the world".

US golfer Morgan Hoffmann was diagnosed with a form of Muscular Dystrophy, a condition that causes his muscles to weaken, back in 2017. Since then he has been on a journey of self discovery that has seen him make a home in the mountains of Costa Rica. Hoffmann explains what he has discovered and how he has adapted his lifestyle and diet in an attempt to manage his condition. He now intends to open a retreat in order to help others. In the meantime the now 32-year old who recently played a number of tournaments, hasn't ruled out a return to professional golf too

Arsenal legend Paul Davis talks about his new book Arsenal and After. The book covers the midfielder's career on and off the pitch and once his playing days were over. We hear about the importance of black role models to his success and how he was affected by racism inside and outside of the game. We also hear about what has changed and what significant issue still remain. Plus the incident Davis believes cost him his chance to play for England.

Photo: Luis Angel Mate of Spain and Team Euskaltel - Euskadi competes through gravel road in Ubeda, Spain. (Credit: Tim de Waele/Getty Images)

#### SAT 11:00 BBC News (w172ykq6s0x8vnb)

The latest five minute news bulletin from BBC World Service.

#### SAT 11:06 The Newsroom (w172yl7v5f8868q)

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

#### SAT 11:30 BBC News Summary (w172ykr16rh26xq)

The latest two minute news summary from BBC World Service.

#### SAT 11:32 WorklifeIndia (w3ct3jct)

Can India afford freebie culture?

Political parties in India, the largest democracy in the world, often try to win over voters by offering them free gifts such as television sets, mixers and grinders, electricity, and food rations. The list is long, and the trend not new, but a fierce debate over freebies is now raging in the country, especially after the issue reached the Supreme Court.

It's a complex debate in a country where hundreds of millions of people still live below the poverty line. Can India really draw the line between welfare schemes, subsidies and freebies? Many experts point out that irrational freebies are doled out from public funds and put state finances under tremendous financial stress. Others say many of these schemes are life-changing interventions for the poor.

What is the way forward, and what can be done to ensure political parties are more mindful when making these promises? In this edition of WorklifeIndia, we discuss whether India can afford a freebie culture.

Presenter: Devina Gupta  
Contributors: Yamini Aiyar, president and chief executive, Centre for Policy Research; NR Bhanumurthy, vice chancellor, Dr BR Ambedkar School of Economics University; Mitali Nikore, development economist, founder, Nikore Associates

#### SAT 12:00 BBC News (w172ykq6s0x8zdg)

The latest five minute news bulletin from BBC World Service.

#### SAT 12:06 The Documentary (w3ct2zv)

Parcels of CARE

Seventy-five years ago, when aching hunger dominated people's lives in post-war Europe, a food parcel seemed like a miracle. Particularly when it had come all the way across the Atlantic from the United States. And there's one type of parcel that changed people's lives across continents: The CARE parcel.

In 1945, the American relief organisation CARE, set out to ease the suffering of starving Europeans after World War Two. It developed into an extraordinary relief programme with a unique concept – a person to person approach where American individuals could name a recipient.

Surprisingly Germany, the former enemy, was also blessed with this kindness. American journalist Susan Stone finds out why and the legacy it left.

Travelling back in time, she unpacks the parcels' past: The friendships they sparked, the nations they shaped and the acts of charity they inspired.

She also looks beyond the image of America as a benevolent country and discovers how the (seemingly innocent and well-meant) food parcels were drawn into the complexities of the Cold War. As we hear, even young girls played their part within global politics – or could be affected by it, such as Cynthia in America and Maria in Poland, whose friendship developed through CARE parcels.

Susan reveals why CARE parcels are still remembered today, what made the organisation so successful and hears the story behind a tin of lard unopened for 60 years after it had been shipped to Europe.

Presenter: Susan Stone  
Producer: Sabine Schereck  
Readers: Jim Frank, Thomas Baecker, Neil McCaul, Christine Kavanagh

(Photo: A family carrying a CARE parcel. Credit: CARE/www.care.de)

Archive kindly granted by  
CARE - for the Charlie Cheese commercial and President Truman handing CARE a check for \$1500  
National Archives, US - for the US Newsreel 'United News', including President Truman's speech after WW2 announcing that Germany has surrendered

#### SAT 13:00 BBC News (w172ykq6s0x934l)

The latest five minute news bulletin from BBC World Service.

#### SAT 13:06 Newshour (w172yfc3w6pcn2w)

Warning of flood "mega disaster" in Pakistan

There's been little let up in the rains in Pakistan and the government has told people to take refuge on higher ground; also, we discuss how the war in Ukraine has affected Russia's international status; and why a British musician has started a project to share income with fans who contribute ideas for his material.

(Photo: Displaced people wait to get food and other assistance after fleeing their flood-hit homes Credit: Sabir Mazhar/Anadolu Agency via Getty Images)

#### SAT 14:00 BBC News (w172ykq6s0x96wq)

The latest five minute news bulletin from BBC World Service.

#### SAT 14:06 Sportsworld (w172ygjvzr39wxh)

Live Sporting Action

Lee James presents coverage of another bumper Saturday of action in the Premier League, where he'll be joined by the former Arsenal, Chelsea and England defender Anita Asante and the former Liverpool, Tottenham Hotspur and United States of America goalkeeper Brad Friedel to build up to live commentary of Liverpool and Bournemouth at Anfield, where last year's runners up will be looking for their first win of the season.

We'll also be live at Old Trafford to discuss day three of the second Test match between England and South Africa, as well as reflecting on qualifying for Sunday's Belgian Formula One Grand Prix.

Plus, we'll be live in New York to build up to the final tennis Grand Slam of the year – the US Open at Flushing Meadows.

Image: Sadio Mane of Liverpool beats Jack Stacey of AFC Bournemouth during the Premier League match between Liverpool FC and AFC Bournemouth at Anfield on March 07, 2020 in Liverpool, United Kingdom. (Photo by Alex Livesey - Danehouse/Getty Images)

#### SAT 18:00 BBC News (w172ykq6s0x9pw7)

The latest five minute news bulletin from BBC World Service.

#### SAT 18:06 The Newsroom (w172yl7v5f891hm)

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

#### SAT 18:30 BBC News Summary (w172ykr16rj024m)

The latest two minute news summary from BBC World Service.

World Service Listings for 27 August – 2 September 2022		Page 3 of 17
<p><b>SAT 18:32 Dear Daughter (w3ct42gd)</b> [Repeat of broadcast at 05:32 today]</p> <p><b>SAT 18:50 Sporting Witness (w3ct36fy)</b> Coaching the world's best tennis players</p> <p>Rick Macci was one of Serena and Venus Williams' first tennis coaches. He flew across America to see them play in Compton in Los Angeles when they were still children. He speaks to Uma Doraiswamy about the moment he knew they were going to be world number ones and dominate the sport.</p> <p>(Photo: Rick Macci with Venus Williams and her father Richard. Credit: Getty Images)</p> <p><b>SAT 19:00 BBC News (w172ykq6s0x9tmc)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 19:06 BBC Proms on the World Service (w3ct43bz)</b> Pianist Yuja Wang with the Oslo Philharmonic</p> <p>Sibelius's awe-inspiring panorama of Finnish forests opens a concert with one of Europe's great orchestras and an acclaimed soloist who's said that she 'feels like a rock star' when playing at the Proms. Liszt may have been the most feted piano virtuoso of the 19th century but the spectacular pyrotechnics of his playing sometimes obscured the fact that he was also an extremely innovative composer. Ever the perfectionist, he worked on his First Concerto for a quarter of a century before settling on its final, highly individual form in the 1850s. It has remained a favourite of audiences - as well as a proving-ground for pianists - ever since.</p> <p>BBC presenter Andrew McGregor and pianist Keval Shah introduce the concert.</p> <p>Broadcast programme: Jean Sibelius - Tapiola Franz Liszt - Piano Concerto No. 1 in E flat major</p> <p>Performers: Yuja Wang - piano Oslo Philharmonic Orchestra Klaus Mäkelä - conductor</p> <p>(Photo: Yuja Wang at BBC Proms 2022. Credit: Chris Christodoulou/BBC)</p> <p><b>SAT 20:00 BBC News (w172ykq6s0x9ych)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 20:06 The Arts Hour (w3ct390k)</b> Actor and director Sharon Horgan: Working without ego</p> <p>Nikki Bedi hears from Irish actor, writer and director Sharon Horgan, whose new Apple TV+ show is Bad Sisters.</p> <p>The Ghanaian-American director Nana Mensah tells Nikki about her new movie, Queen of Glory, in which she stars and also wrote.</p> <p>Plus, we hear from Carl Bradshaw, one of the stars of the iconic Jamaican film, The Harder They Come.</p> <p>The musician Rebecca Lucy Taylor, also known as Self Esteem, performs and talks about female authenticity and ambition.</p> <p>Australian director Amiel Courtin-Wilson discusses his extraordinary documentary, Man on Earth, which follows the last week in a man's life.</p> <p>American documentary maker Immy Humes talks about her new book, The Only Woman, in which she has collated archive photographs of lone women in majority, male environments, ranging from 1862 to now. Each photo reflects on the visibility and tokenism of women.</p> <p>And there's music from the Ukrainian harpist Alina Bzhezhinska and the Hip Harp collective.</p> <p>Plus South African film critic Guy Lodge joins Nikki in the studio.</p> <p>Producer: Paul Waters</p> <p>(Photo: Sharon Horgan. Credit: Angela Weiss/AFP via Getty Images)</p> <p><b>SAT 21:00 BBC News (w172ykq6s0xb23m)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 21:06 Newshour (w172yfc3w6pdm1x)</b></p>	<p>Tens of thousands flee floods in Pakistan</p> <p>Tens of thousands of people have fled their homes in northern Pakistan following weeks of deadly flooding. We speak to Pakistan's climate minister Sherry Rahman.</p> <p>Also in the programme: the head of Ukraine's atomic energy agency on the situation at the Zaporizhzhia nuclear power plant; and Serbia and Kosovo settle border dispute.</p> <p>(Picture: Pakistan Navy Soldiers rescue people from a flooded area in Dadu District, Sindh province, Pakistan. Photo by WAQAR HUSSAIN/EPA-EFE/REX/Shutterstock)</p> <p><b>SAT 22:00 BBC News (w172ykq6s0xb5vr)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 22:06 Music Life (w3ct30k9)</b> I'm always singing out of tune, with ANOHNi, Hannah Peel, Hayden Thorpe and Purity Ring's Megan James</p> <p>ANOHNi, Hannah Peel, Hayden Thorpe and Purity Ring's Megan James discuss questions including what their music might sound like in an alternate universe.</p> <p>Hayden Thorpe is the frontman from the now disbanded Wild Beasts, and has moved to the north of England where his solo albums are inspired by the nature that surrounds him. UK-born singer, songwriter, and visual artist ANOHNi has had an eclectic career as a solo artist and as a member of the Mercury Prize-winning Antony and the Johnsons. She's also been nominated for an Academy Award, and creates thought-provoking music that ask questions of those in power, gender imbalances, and climate change. Megan James is a member the duo Purity Ring. Formed in Edmonton, Canada, they are known for their crystal clear synth sounds, hypnotic melodies, and corporeal, metaphorical lyrics. Hannah Peel is a composer, producer, and radio broadcaster born in Northern Ireland and raised in the North of England. Her music explores electronic, classical, and traditional sounds, and is often inspired by science and nature.</p> <p><b>SAT 23:00 BBC News (w172ykq6s0xb9lw)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SAT 23:06 The Newsroom (w172yrwz9ym19ng)</b> The world's Newsroom brings you global events as they happen</p> <p><b>SAT 23:20 Sports News (w172ygh738wzdn5)</b> BBC Sport brings you all the latest stories and results from around the world.</p> <p><b>SAT 23:30 BBC News Summary (w172ykr16rj0nw8)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SAT 23:32 The Cultural Frontline (w3ct37rv)</b> Global artists at the Edinburgh Festivals</p> <p>This week we hear from some of the international artists who've been taking part at this year's Edinburgh Festivals. It's the world's biggest arts festival, which is celebrating its 75th anniversary.</p> <p>Aboriginal Australian William Barton is an award winning composer, vocalist, multi-instrumentalist and one of the country's leading didgeridoo players. His music has been performed from the Beijing Olympics to Westminster Abbey in London and he tells Tina Dabeley about the language of this ancient traditional instrument and how he blends it with European classical music.</p> <p>Scottish writer Uma Nada-Rajah's play Exodus is set against the backdrop of a UK Conservative party leadership contest. In Uma's all female version, we met a would be Prime Minister who's staging a photo opportunity under the white cliffs of Dover to launch her anti-immigration policy, when a body washes up. Uma Nada-Rajah told Kate Molleson about the inspiration behind her topical satire.</p> <p>In the 1994 Rwandan genocide, an estimated 800,000 ethnic Tutsis and moderate Hutus were killed by dominant Hutu forces in 100 days.</p> <p>For her piece, The Book of Life, Rwandan playwright and director Odile Gakire Katese, known as Kiki Katese, tells the story of that conflict through the letters of ordinary Rwandans. She tells us why she feels that the arts can help to bring reconciliation to the country.</p> <p>Circus Abyssinia is the first all Ethiopian Circus troupe. Created by two brothers, Bibi and Bichu, their latest show, called Tulu, is inspired by the Ethiopian runner Derartu Tulu. She won the 10,000 meters in the 1992 Barcelona Olympics,</p>	<p>the first black African woman to win Olympic gold. Bibi and Bichu spoke to The Cultural Frontline's Andrea Kidd and explained why they wanted to portray her story through circus skills.</p> <p>(Photo: An aerial silk performer from Circus Abyssinia. Credit: David Rubene Photography)</p> <p><b>SUNDAY 28 AUGUST 2022</b></p> <p><b>SUN 00:00 BBC News (w172ykq6s0xbfc0)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 00:06 BBC OS Conversations (w3ct417w)</b> [Repeat of broadcast at 09:06 on Saturday]</p> <p><b>SUN 00:30 BBC News Summary (w172ykr16rj0smd)</b> The latest two minute news summary from BBC World Service.</p> <p><b>SUN 00:32 Dear Daughter (w3ct42gd)</b> [Repeat of broadcast at 05:32 on Saturday]</p> <p><b>SUN 00:50 More or Less (w3ct3k52)</b> [Repeat of broadcast at 05:50 on Saturday]</p> <p><b>SUN 01:00 BBC News (w172ykq6s0xbk34)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>SUN 01:06 The Science Hour (w3ct39zl)</b> Surprises from a Martian Lake Bed</p> <p>The Jezero Crater on Mars was targeted by Nasa's Perseverance rover because from orbit, there was strong evidence it had at some point contained a lake. When the Mars 2020 mission landed, it didn't take long to spot rocks protruding from the bottom that looked for all the world like sedimentary rocks – implying they were laid down from the liquid water and maybe perhaps even contain signs of past life. This week, the science team have published some of their analysis from the first 9 months of the mission. And, as Principal Scientist Kenneth Farley of Caltech tells Science In Action, the geology is clearly more complex, as it turns out they are igneous, perhaps resulting from subsequent volcanic activity.</p> <p>Back on earth, Shane Cronin of the University of Auckland has been digging into the legend of the Kuwea volcano in Vanuatu. Folk tales have long talked of an inhabited island that once disappeared beneath the sea. Over the years some have linked these and the submarine caldera with an eruption that occurred in 1452, yet the evidence has been debated. But the Hunga-Tonga eruption earlier this year has shifted Shane's perception of the evidence. As he describes, he now suspects the 1452 eruption was as much as 5-7 times bigger in magnitude, and likely preceded by smaller eruptions that could fit with some of the legends surrounding the story.</p> <p>This type of evidence, interpreted from the testimony of those who live there, is increasingly being employed in conservation studies. Heidi Ma of ZSL in London and colleagues this week declared in Royal Society Open Science, the Dugong – a relative of the manatee - is now functionally extinct in Chinese waters, but they reached this conclusion from interviewing hundreds of individuals in fishing communities along that coast. And very few of them had ever seen one.</p> <p>When CrowdScience listener Eric spotted a few gnats flying around on a milder day in mid-winter, he was really surprised - as surely insects die off in the cold? It got him wondering where the gnats had come from and how they'd survived the previous cold snap. So he asked CrowdScience to do some bug investigation.</p> <p>Presenter Marnie Chesterton takes up the challenge and heads out into the British countryside – currently teeming with buzzes and tiny beasts - to learn about the quite amazing array of tactics these small creatures use to survive the arduous days of cold.</p> <p>She hears how some insects change their chemical structure to enhance their frost resistance whilst others hunker down in warmer microclimates or rely on their community and food stocks to keep them warm. Marnie also asks how climate change might be affecting insect over-wintering behaviour - and its implications for the lives of these crucially important organisms.</p> <p>(Image: Jezero Crater. Credit: Getty Images)</p> <p><b>SUN 02:00 BBC News (w172ykq6s0xbnv8)</b></p>
Supported by <a href="https://bbc.co.uk/programmes/">bbc.co.uk/programmes/</a>		

The latest five minute news bulletin from BBC World Service.

**SUN 02:06 The Newsroom (w172yl7v5f8b0gn)**

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

**SUN 02:30 BBC News Summary (w172ykr16rj113n)**

The latest two minute news summary from BBC World Service.

**SUN 02:32 Health Check (w3ct32wt)**

Deaths cut with recommended Ebola treatments

In the week that a case of Ebola has been confirmed in the Democratic Republic of Congo, the WHO calls for support to help at-risk countries to make lifesaving drugs available in case the virus spreads.

The UK researchers who saved many thousands of lives with Covid treatments are now testing antivirals against monkeypox.

And New Scientist's medical writer Clare Wilson explains how long Covid lingers in our bodies - and why thinking hard makes you tired.

Presenter: Claudia Hammond  
Producer: Erika Wright

(Image: Health workers helping an Ebola patient outside an isolation tent, Beni, Democratic Republic of Congo. Credit: Fiston Mahamba / SOPA Images / LightRocket via Getty Images)

**SUN 03:00 BBC News (w172ykq6s0xbsld)**

The latest five minute news bulletin from BBC World Service.

**SUN 03:06 The Documentary (w3ct2zvj)**

[Repeat of broadcast at 12:06 on Saturday]

**SUN 04:00 BBC News (w172ykq6s0xbxhj)**

The latest five minute news bulletin from BBC World Service.

**SUN 04:06 From Our Own Correspondent (w3ct329r)**

Deadly landslides in the Republic of Congo

Pascale Harter presents stories from Congo-Brazzaville, Germany, Chile and Thailand.

Nick Loomis visits the hillsides of the Republic of Congo, where residents are defending their homes against soil erosion.

Turning down the heat and dimming the lights, Jenny Hill meets a Bavarian mayor preparing for potential energy shortages this winter.

Will Chileans vote to approve or reject a new constitution on 4th September? Jane Chambers finds opposing views in Santiago.

Plus, can a new model of elephant tourism benefit villagers and elephants in Thailand? Mark Stratton spends time with the Karen hill tribe of Om Koi, who've released their elephants into the jungle.

Presenter: Pascale Harter  
Production Coordinator: Gemma Ashman  
Producer: Diane Richardson  
Editor: Hugh Levinson

(Image: People walk on a street partially destroyed during a flood caused by torrential rains in Brazzaville, Republic of Congo. Credit: Guy-Gervais Kitina/AFP via Getty Images)

**SUN 04:30 BBC News Summary (w172ykr16rj18lx)**

The latest two minute news summary from BBC World Service.

**SUN 04:32 The Cultural Frontline (w3ct37rv)**

[Repeat of broadcast at 23:32 on Saturday]

**SUN 05:00 BBC News (w172ykq6s0xc12n)**

The latest five minute news bulletin from BBC World Service.

**SUN 05:06 The Newsroom (w172yl7v5f8bcq1)**

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

**SUN 05:30 BBC News Summary (w172ykr16rj1dc1)**

The latest two minute news summary from BBC World Service.

**SUN 05:32 The Documentary (w3ct43dg)**

What are we searching for? Part 1

What are people looking for online within the world's major war zones? By examining internet search data, Ben Arogundade discovers the surprising stories of how, from the tiniest villages under attack to major cities hosting thousands of refugees, people are navigating their difficult circumstances and managing to live in the spaces between conflicts.

(Photo: A protest outside the Myanmar embassy in Bangkok, Thailand, in February 2021. Credit: Kan Sangtong/Shutterstock)

**SUN 06:00 BBC News (w172ykq6s0xc4ts)**

The latest five minute news bulletin from BBC World Service.

**SUN 06:06 Weekend (w172ykwkj13yh60)**

US intelligence risk assessment of documents at Trump home

The US director of national intelligence is to lead a review of potential security risks from the classified material recovered from Donald Trump's Florida home. We get the view of James Clapper, former US national intelligence chief.

Also, we'll get the latest on the devastating floods in Pakistan, which have now killed more than a thousand people.

And as Serena Williams prepares to play at her final major tennis tournament, what has made her such a great champion? We hear from American former professional tennis player Pam Shriver.

Joining Julian Worricker to discuss these and other issues are Rachel Kyte, dean of The Fletcher School at Tufts University in the US and the first woman to hold the position and also a former UN special representative on sustainability; and Misha Glenny, journalist and writer, and rector of the Institute for Human Sciences in Vienna and author.

(Image: Director of National Intelligence (DNI) Avril Haines testifies before the US Senate Intelligence Committee. Credit: Kevin Dietsch/Getty Images)

**SUN 07:00 BBC News (w172ykq6s0xc8kx)**

The latest five minute news bulletin from BBC World Service.

**SUN 07:06 Weekend (w172ykwkj13yly4)**

Pakistan appeals for help

Pakistan appeals to the international community for aid as the flood crisis worsens.

Also, the EU claims a diplomatic victory in the Balkans as Serbia and Kosovo resolve a dispute over the movement of citizens across their border. We hear from the US envoy for the region.

And the outgoing UK prime minister, Boris Johnson, keeping comedians busy at the world's largest arts festival in Edinburgh.

Joining Julian Worricker to discuss these and other issues are Rachel Kyte, dean of The Fletcher School at Tufts University in the US and the first woman to hold the position and also a former UN special representative on sustainability; and Misha Glenny, journalist and writer, and rector of the Institute for Human Sciences in Vienna and author.

(Image: Displaced people wade through a flooded area in Peshawar, Khyber Pakhtunkhwa, Pakistan. Credit: Hussain Ali/Anadolu Agency via Getty Images)

**SUN 08:00 BBC News (w172ykq6s0xcdb1)**

The latest five minute news bulletin from BBC World Service.

**SUN 08:06 Weekend (w172ykwkj13yqp8)**

Serbia and Kosovo settle dispute

The EU claims a diplomatic victory in the Balkans as Serbia and Kosovo resolve a dispute over the movement of citizens across their border.

Also, one of tennis's greats prepares to play her last tournament, the US Open in New York.

And what the American computer scientist Margaret Hamilton did for mankind.

Joining Julian Worricker to discuss these and other issues are Rachel Kyte, dean of The Fletcher School at Tufts University in the US and the first woman to hold the position and also a former UN special representative on sustainability; and Misha Glenny, journalist and writer, and rector of the Institute for Human Sciences in Vienna and author.

(Image: NATO soldiers greet a truck driver near the town of Zubin Potok. Credit: ARMEND NIMANI/AFP via Getty Images)

**SUN 08:30 BBC News Summary (w172ykr16rj1rlf)**

The latest two minute news summary from BBC World Service.

**SUN 08:32 The Food Chain (w3ct38n8)**

Running a restaurant with your relatives

Running a restaurant is hard enough, but what if there's family involved? In this episode, Felicity Hannah explores the highs and the lows of family-run eateries; their history, food culture, family dynamics and how they deal with the cut and thrust of business.

She heads to Liverpool in the UK, to Europe's oldest Chinatown, where she meets Terry and Theresa Lim, the owners of the city's oldest Chinese restaurant. And she pays a visit to a local Italian establishment, to meet brother and sister Paolo and Maria Cillo who, with their other siblings and extended family, are building a burgeoning family food empire in the city.

It's an interesting time for these two restaurants. Italian and Chinese are two of the most exported cuisines in the world, but with growing competition from other popular food cultures, as well as global economic challenges, how are they adapting to changing times?

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

(Picture: Paolo and Maria Cillo, and Terry and Theresa Lim with their daughter and two grandchildren. Credit: BBC)

**SUN 09:00 BBC News (w172ykq6s0xcj25)**

The latest five minute news bulletin from BBC World Service.

**SUN 09:06 From Our Own Correspondent (w3ct329r)**

[Repeat of broadcast at 04:06 today]

**SUN 09:30 BBC News Summary (w172ykr16rj1wbk)**

The latest two minute news summary from BBC World Service.

**SUN 09:32 Outlook (w3ct41dw)**

My ex-partner killed our baby

In 2010 Hera McLeod had a baby with a man called Joaquin Rams. When they met, Joaquin came across as a charming person, but then things started to change. Shortly after the birth of their son Prince, they separated. Hera got legal custody of him and Rams was granted unsupervised access. During one of these visits Rams killed 15-month-old Prince. Hera told Emily Webb how she used her grief and anger to become an advocate for child protection.  
(This episode was first broadcast in September 2019)

If you are looking for support for any of the issues discussed in this programme, you can find links to useful organisations at [BBC Action line](#).

Presenter: Emily Webb  
Producer: Troy Holmes

(Picture: Intruder at door, in silhouette (stock photo) Credit: Getty Images)

**SUN 10:00 BBC News (w172ykq6s0xcm9)**

The latest five minute news bulletin from BBC World Service.

**SUN 10:06 Trending (w3ct43db)**

The strange story of QAnon in Japan

How did a bizarre US-based conspiracy theory about Donald Trump being the saviour of the world, lead to people protesting in the streets of Tokyo and Osaka accusing police of being reptiles? From its obscure online beginnings only a few years ago, the QAnon movement in Japan has morphed through several different phases, becoming ever more extreme in the process.

Its latest incarnation is a group called Yamato Q, which embraces a series of wild and false claims. Its members believe they have different genes from the rest of the population and that Covid-19 does not exist. Some have even attempted to disrupt vaccination centres. So should wider society be concerned?

Presenters: Jonathan Griffin and Shayan Sardarizadeh  
Producer: Jonathan Griffin

Editor: Ed Main

**SUN 10:30 BBC News Summary (w172ykr16rj202p)**

The latest two minute news summary from BBC World Service.

**SUN 10:32 Heart and Soul (w3ct423p)**

Green Islam

There are hundreds of verses in the Quran calling on Muslims to protect the environment. Islam teaches that everyone is a custodian of nature and should treat the natural environment with respect and care. Sustainability has been part of the faith from the beginning. How are ordinary Muslims around the globe responding to that call?

Reporter Zubeida Malik hears about the experiences of a local imam from Indonesia trying to persuade his community to help redress the effects of climate change and she looks at how religious leaders in Zanzibar successfully persuaded fishermen to change their age-old customs.

Zubeida also visits Europe's first eco-Mosque in Cambridge, England, a beacon of modern Islamic environmentalism, and eavesdrops on British Muslim schoolgirls learning to interpret their faith and the natural world.

(Photo: View of the famous Cambridge Central Mosque design. Credit: Edward Crawford/Getty Images)

**SUN 11:00 BBC News (w172ykq6s0xcrkf)**

The latest five minute news bulletin from BBC World Service.

**SUN 11:06 The Newsroom (w172yl7v5f8c35t)**

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

**SUN 11:30 BBC News Summary (w172ykr16rj23tt)**

The latest two minute news summary from BBC World Service.

**SUN 11:32 The Compass (w3ct43dr)**

Green Energy: Some Inconvenient Truths

Green energy: Iceland

For over 100 years, Iceland has produced renewable energy from geo-thermal and hydro power to heat its homes and power industry. Iceland harnesses the volcanic hot water under the earth's crust and the energy from damming its plentiful rivers and waterfalls that run through the island.

It produces five times more green energy than its population needs. But decisions Iceland has made in how best to use this surplus energy and the environmental and moral impact on its landscape and population have sparked controversy. There have been protests about the international aluminium companies; heavy users of electricity and the more recent advent of data-processing centres like the bitcoin and crypto-currency companies based there. These companies sell their green credentials to customers while consuming all the country's excess power. When should Iceland say enough is enough?

Presenter: Allan Little

Producer: Anna Horsbrugh-Porter

Editor: Susan Marling

A Just Radio production for BBC World Service

(Photo: Allan Little visits a deep drilling project in Iceland. Credit: Anna Horsbrugh-Porter)

**SUN 12:00 BBC News (w172ykq6s0xcw9k)**

The latest five minute news bulletin from BBC World Service.

**SUN 12:06 BBC Proms on the World Service (w3ct43bz)**

[Repeat of broadcast at 19:06 on Saturday]

**SUN 13:00 BBC News (w172ykq6s0xd01p)**

The latest five minute news bulletin from BBC World Service.

**SUN 13:06 Newshour (w172yfc3w6pgjzz)**

Pakistan grapples with unprecedented floods

Pakistan grapples with unprecedented floods. We look ahead to a rocket launch designed to get astronauts on the moon again - but once there what will they do? Also in the programme satirists take to the stage in the Scottish capital Edinburgh and cast their sharp eyes over Boris Johnson's years in power; and the return of drum and bass to UK dancefloors.

(Photo: Pakistani family in the flood; Credit: Reuters)

**SUN 14:00 BBC News (w172ykq6s0xd3st)**

The latest five minute news bulletin from BBC World Service.

**SUN 14:06 The Forum (w3ct38ss)**

Bluegrass: Virtuoso music of Appalachia

It is rare in music history that scholars can point to the beginning of a particular style, but bluegrass would appear to be the exception to the rule. Mandolin player Bill Monroe from rural Kentucky had so much clout in the music business that some scholars have suggested that it was he who defined the sound which came to be known as bluegrass. He was certainly protective; Monroe is quoted as saying "the biggest job of bluegrass is to keep out what don't belong in it."

Played initially in America's rural south, bluegrass was later adopted by the counter-cultural college kid scene in the 1950s and '60s. And today the music is flourishing all over the world in the most unlikely places.

Rajan Datar is joined by Dan Boner, director of the Bluegrass, Old-Time, and Roots Music Studies programme at East Tennessee State University, who demonstrates how bluegrass works; writer and historian Tony Russell, whose publications on music include Rural Rhythm: The Story of Old-Time Country Music in 78 Records; and Dr Lydia Hamessley, professor of music at Hamilton College whose research concentrates on old-time and bluegrass music. She is the author of Unlikely Angel: The Songs of Dolly Parton.

Producer: Fiona Clampin

(Photo: Lester Flatt (right) and Earl Scruggs (left) perform with The Foggy Mountain Boys at the Grand Ole Opry circa 1960. Credit: Michael Ochs Archives/Getty Images)

**SUN 14:50 Over to You (w3ct35sm)**

[Repeat of broadcast at 09:50 on Saturday]

**SUN 15:00 BBC News (w172ykq6s0xd7jy)**

The latest five minute news bulletin from BBC World Service.

**SUN 15:06 Music Life (w3ct30k9)**

[Repeat of broadcast at 22:06 on Saturday]

**SUN 16:00 BBC News (w172ykq6s0xdc92)**

The latest five minute news bulletin from BBC World Service.

**SUN 16:06 Sportsworld (w172ygvzr3f19v)**

Live Sporting Action

Maz Farookhi presents live build-up and coverage of newly-promoted Nottingham Forest against Tottenham Hotspur in the Premier League. Antonio Conte's Tottenham will look to continue their unbeaten start to the season.

Image: Nottingham Forest's Welsh striker Brennan Johnson (C) celebrates after scoring his team first goal during the English Premier League football match between Everton and Nottingham Forest at Goodison Park in Liverpool, north west England on August 20, 2022.

**SUN 19:00 BBC News (w172ykq6s0xdvjg)**

The latest five minute news bulletin from BBC World Service.

**SUN 19:06 The Newsroom (w172yl7v5f8d24v)**

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

**SUN 19:30 BBC News Summary (w172ykr16rj32sv)**

The latest two minute news summary from BBC World Service.

**SUN 19:32 Outlook (w3ct41dw)**

[Repeat of broadcast at 09:32 today]

**SUN 20:00 BBC News (w172ykq6s0xdv8l)**

The latest five minute news bulletin from BBC World Service.

**SUN 20:06 The History Hour (w3ct39lm)**

Inflation and the cost of living

A compilation of witness accounts from when inflation and the cost of living were seriously affecting people's lives, among other topics.

In 1971, inflation was a huge problem in the USA so the President, Richard Nixon, made one of the most drastic moves in economic history; abandoning the Gold Standard. It became

known as the 'Nixon Shock' and nearly caused a trade war between America and its allies. But, it also saved the US economy from a crisis. Ben Henderson spoke to Bob Hormats, an economic adviser in the Nixon administration, who was at the heart of decision-making.

In 1997, Bulgaria was in financial meltdown with hyperinflation making money worth a lot less. The country had emerged out of communism following the fall of the Soviet Union in 1989. Like other post-Soviet regimes, the country found the transition from communism to capitalism harder than expected. The President of Bulgaria, Petar Stoyanov, knew he had to do something and a recovery plan from one of Ronald Reagan's key economic advisers was on the table. But would it work? Matt Pintus has been speaking to Steve Hanke, an economics professor.

In January 1980, Indira Gandhi's Congress (I) party was voted into power in India. Before the election, inflation meant that the cost of onions was unaffordable for many Indians. The price of the vegetable became a political hot potato in the election campaign. Reena Stanton-Sharma spoke to Suda Pai, a former Professor of Political Science at Jawaharlal Nehru University, Delhi.

In 2012, Syrian government soldiers surrounded Darayya, a suburb of Damascus, bombing buildings and searching for people who had spoken out against President Assad. Hundreds of people died over four days in what was described by activists as a "massacre". Mohamad Zarda has been speaking to Laura Jones.

It has been 40 years since the first Gay Games were held in San Francisco in 1982. Attracting a large crowd and featuring more than 1,000 athletes from more than 100 countries, the event was organised by a group of LGBT activists, including former Olympians, to raise awareness of homophobia in sport. The Gay Games are now held every four years at venues around the world. In 2019, Ashley Byrne spoke to organiser Sara Waddell Lewinstein and athlete Rick Tomin. A Made in Manchester production for BBC World Service.

(Photo: President Richard Nixon with his economic advisers in 1971. Credit: Bettmann via Getty Images)

**SUN 21:00 BBC News (w172ykq6s0xd20q)**

The latest five minute news bulletin from BBC World Service.

**SUN 21:06 Newshour (w172yfc3w6phh20)**

Flood-hit Pakistan braces for worse to come

One of Pakistan's southern provinces, Sindh, is bracing itself for worse to come as the country deals with catastrophic floods. The floods have killed nearly 1,000 people across Pakistan since June, while thousands have been displaced - and millions more affected. We hear the latest on the ground and speak to Pakistan's Foreign Minister Bilawal Bhutto-Zardari. Also on the programme: we speak to Estonia's Foreign Minister Urmas Reinsalu, as reports suggest EU countries are considering tighter visa rules for Russians. And we look ahead to the American space agency launching its giant new Moon rocket on Monday. (Image: men walk along a flooded road in Suhbatpur, Pakistan, August 28, 2022. Reuters/Amer Hussain).

**SUN 22:00 BBC News (w172ykq6s0xf2rv)**

The latest five minute news bulletin from BBC World Service.

**SUN 22:06 Trending (w3ct43db)**

[Repeat of broadcast at 10:06 today]

**SUN 22:30 BBC News Summary (w172ykr16rj3g17)**

The latest two minute news summary from BBC World Service.

**SUN 22:32 Pick of the World (w3ct41x5)**

[Repeat of broadcast at 09:32 on Saturday]

**SUN 22:50 Over to You (w3ct35sm)**

[Repeat of broadcast at 09:50 on Saturday]

**SUN 23:00 BBC News (w172ykq6s0xf6hz)**

The latest five minute news bulletin from BBC World Service.

**SUN 23:06 The Newsroom (w172yrwz9ym46kk)**

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

**SUN 23:20 Sports News (w172ygh738x29k8)**

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

**SUN 23:30 BBC News Summary (w172ykr16rj3ksc)**  
The latest two minute news summary from BBC World Service.

**SUN 23:32 Outlook (w3ct41dw)**  
[Repeat of broadcast at 09:32 today]

#### MONDAY 29 AUGUST 2022

**MON 00:00 BBC News (w172yqk6s0xfb83)**  
The latest five minute news bulletin from BBC World Service.

**MON 00:06 From Our Own Correspondent (w3ct329r)**  
[Repeat of broadcast at 04:06 on Sunday]

**MON 00:30 BBC News Summary (w172ykr16rj3pjh)**  
The latest two minute news summary from BBC World Service.

**MON 00:32 Heart and Soul (w3ct423p)**  
[Repeat of broadcast at 10:32 on Sunday]

**MON 01:00 BBC News (w172yqk7496k98d)**  
The latest five minute news bulletin from BBC World Service.

**MON 01:06 The Newsroom (w172y17vjpkmws)**  
The world's Newsroom brings you global events as they happen

**MON 01:30 BBC News Summary (w172ykr110t7nj)**  
The latest two minute news summary from BBC World Service.

**MON 01:32 Discovery (w3ct30bs)**  
How Covid changed science, part 1

Until 2020 developing a new drug took at least 15 years. Scientists by and large competed with each other, were somewhat secretive about their research and only shared their data once publication was secured. And the public and the press had no interest in the various early phases of clinical trials. An incremental scientific step possibly on the road to somewhere was simply not newsworthy. Face masks were the preserves of hypochondriacs in the Far East, with no scientific evidence base for their use.

Now the findings of research are published as soon as they are ready. Often they are being openly discussed in social media before they have been peer reviewed. The speed of research, collaboration between science and industry, and public perception of science are areas that have undergone incredible and likely permanent change.

Devi Sridhar, Professor of Global Health at Edinburgh University hears from scientists in a variety of fields, whose working lives and practices have been affected, in some cases revolutionised by the pandemic.

**MON 02:00 BBC News (w172yqk7496kf0j)**  
The latest five minute news bulletin from BBC World Service.

**MON 02:06 The Newsroom (w172y17vjpkmrx)**  
The world's Newsroom brings you global events as they happen

**MON 02:30 BBC News Summary (w172ykr110t7s8x)**  
The latest two minute news summary from BBC World Service.

**MON 02:32 The Climate Question (w3ct3kjc)**  
Can we engineer rain to help solve climate change?

From the Aztecs to the Zoroastrians, humans have always prayed for rain. We've tried dances, ritual sacrifices and even blowing up the sky to boost rainfall. This might sound crazy but desperate times call for desperate measures.

Climate change is making people desperate again, in some regions droughts are becoming more frequent and pervasive whereas in others floods threaten livelihoods and cities. We have already affected our weather cycle but can we control it? Many governments have turned to cloud seeding programmes to try to manipulate rain to fall where they desire it to. But does it actually work, and what are the potential ramifications? We speak to experts about how people are trying to create rain, whether we're on the brink of a geopolitical nightmare.

Presenters Graihagh Jackson and Neal Razzell spoke to:

Cynthia Barnett, Environmental Journalist and author of 'Rain: a Natural and Cultural History'

Dr Katja Friedrich, Professor of Atmospheric and Oceanic Sciences, University of Colorado Boulder  
Dr Dhanasree Jayaram, Assistant Professor at the Department of Geopolitics and International Relations, Manipal Academy of Higher Education.

The team this week:  
Reporter: Valdyia Baraputri, Bilingual Reporter BBC Indonesia, reporting in Jakarta  
Researcher: Imogen Serwotka  
Producer: Lizzy McNeill  
Series Producer: Jordan Dunbar  
Production Coordinators: Helena Warwick-Cross & Siobhan Reed  
Editor: Richard Fenton-Smith  
Sound Wizard: Tom Brignell

**MON 03:00 BBC News (w172yqk7496kjrn)**  
The latest five minute news bulletin from BBC World Service.

**MON 03:06 Tech Tent (w3ct375j)**  
More trouble at Twitter

On Tech Tent this week, reporter Chris Vallance runs us through the serious allegations about lax security levelled at Twitter by its former employee Peiter "Mudge" Zatkó. Dr Jon Roozenbeek, of Cambridge University, explains how educating people about how misinformation works appears to be an effective way of informing their online experience. And the makers of a voice changing technology respond to accusations it is increasing prejudice rather than addressing it.

**MON 03:30 BBC News Summary (w172ykr110t7x11)**  
The latest two minute news summary from BBC World Service.

**MON 03:32 Pick of the World (w3ct41x5)**  
[Repeat of broadcast at 09:32 on Saturday]

**MON 03:50 Over to You (w3ct35sm)**  
[Repeat of broadcast at 09:50 on Saturday]

**MON 04:00 BBC News (w172yqk7496knh5)**  
The latest five minute news bulletin from BBC World Service.

**MON 04:06 The Newsroom (w172y17vjpkk045)**  
The world's Newsroom brings you global events as they happen

**MON 04:30 BBC News Summary (w172ykr110t80s5)**  
The latest two minute news summary from BBC World Service.

**MON 04:32 The Conversation (w3ct37m9)**  
How to heal a broken heart

Have you ever had your heart broken? It can feel all-consuming and unbearable at points, and cause us physical pain. But why is this the case and how can we overcome it? Kim Chakanetsa finds out the answers from two women who are well versed in matters of the heart.

Dr Lucy Brown is an American neuroscientist and clinical professor in Neurology at Einstein College of Medicine in New York, and she's one of the first people ever to study the neuroscience of romantic love. Lucy is one of the co-creators of The Anatomy Of Love, a website exploring the meaning of romantic love and attachment.

Julia Jacklin is an Australian singer songwriter who has written extensively about love and heartbreak. Her second studio album, Crushing, explores the intensity of love and the difficult process of having to let it go. Her latest album is Pre Pleasure.

Produced by Emily Naylor and Alice Gioia

(Image: (L) Lucy Brown, courtesy of Lucy Brown. (R) Julia Jacklin, credit Nick Mckk.)

**MON 05:00 BBC News (w172yqk7496ks7x)**  
The latest five minute news bulletin from BBC World Service.

**MON 05:06 Newsday (w172yf8nx95ldxb)**  
Nasa prepares to launch new giant moon rocket

The most powerful rocket yet built by the American space agency Nasa is preparing to launch in a few hours' time, as part of an attempt to put humans back on the moon.

In Pakistan, there are fears it will take years for the country to

recover from the devastating floods that have killed more than a thousand people and left millions homeless.

As the war in Ukraine continues, there's concern about the impact the fighting is having on the country's environment. An ecologist and analyst who's been investigating the issue tells Newsday more.

**MON 06:00 BBC News (w172yqk7496kx01)**  
The latest five minute news bulletin from BBC World Service.

**MON 06:06 Newsday (w172yf8nx95ljng)**  
Nasa counts down to launch of new rocket

Preparations are underway in Florida to launch Nasa's most powerful rocket, Artemis One. It's hoped the mission will pave the way for further human exploration of the moon.

A team from the International Atomic Energy Agency mission is on its way to visit the Russian-occupied nuclear power plant at Zaporizhzhia in Ukraine.

Newsday hears more from Ethiopia, where rebel Tigrayan forces say they have pushed back government forces after the renewal of clashes between the two sides.

**MON 07:00 BBC News (w172yqk7496l0r5)**  
The latest five minute news bulletin from BBC World Service.

**MON 07:06 Newsday (w172yf8nx95lndI)**  
US space agency ready to launch new moon rocket

Nasa is preparing its Artemis One rocket for take-off, the first step in further lunar exploration. The vehicle is the space agency's most powerful rocket yet.

A team from the International Atomic Energy Agency is on its way to inspect the Russian-occupied Zaporizhzhia nuclear plant in Ukraine. There have been fears for the safety of the plant amid the ongoing conflict.

And the programme hears from India where a pair of illegally built skyscrapers have been demolished. A journalist there explains why the structures had to be brought down.

**MON 08:00 BBC News (w172yqk7496ldh9)**  
The latest five minute news bulletin from BBC World Service.

**MON 08:06 HARDtalk (w3ct32lt)**  
Pinchas Goldschmidt: Is the Ukraine war deepening Jewish anxiety?

Stephen Sackur speaks to Pinchas Goldschmidt, who was chief rabbi of Moscow until he fled Russia after the Ukraine invasion and left his post. His fate has exposed the scale of wider Jewish flight from Russia, and divisions within the Jewish community. Why is this war deepening Jewish anxiety?

**MON 08:30 BBC News Summary (w172ykr110t8hrp)**  
The latest two minute news summary from BBC World Service.

**MON 08:32 Business Daily (w3ct30xm)**  
How to dispose of nuclear waste

One of the biggest challenges facing the nuclear industry today is how to deal with the lethal radioactive waste which has accumulated over decades. Governments across the world are trying to find a permanent solution to keep the waste safe and secure.

Presenter Theo Leggett visits Sweden, where progress is being made with deep geological storage. Maria Fornander from Sweden's nuclear operator SKB, explains how the waste is initially placed under water, and will then be buried in cast iron 500m underground. Theo visits the Äspö Hard Rock laboratory, where SKB project director Ylva Stenqvist is testing the techniques and equipment. Rolf Persson of the Oskarshamn Municipality, says other countries planning similar ventures could learn from Sweden's approach.

Neil Hiatt, the chief scientific adviser to the UK's waste management group Nuclear Waste Services, speaks to Theo in Sweden - how might it work in practice?

In the UK, similar proposals have faced local opposition, Marianne Birkby runs a pressure group, Radiation Free Lakeland, opposing a possible waste facility in the North of England.

And Dr Paul Dorfman, from the University of Sussex, explains why he believes plans for geological disposal are at best premature – and potentially impossible to deliver safely. Producer and presenter: Theo Leggett

(Image: Radioactive containers. Copyright: Getty)

**MON 08:50 Witness History (w3ct3bz5)**

Marikana Massacre

On 16 August 2012, police shot dead 34 striking miners at a platinum mine in Marikana, South Africa.

It was one of the bloodiest police operations since apartheid.

Rachel Naylor speaks to one of the survivors, Mzoxolo Magidiwana, who was shot nine times.

(Photo: Miners on strike in Marikana, demanding a pay rise, on 16 August 2012. Credit: AFP/GettyImages)

**MON 09:00 BBC News (w172ykq7496l87f)**

The latest five minute news bulletin from BBC World Service.

**MON 09:06 The Climate Question (w3ct3kjc)**

[Repeat of broadcast at 02:32 today]

**MON 09:30 BBC News Summary (w172ykr110t8mht)**

The latest two minute news summary from BBC World Service.

**MON 09:32 CrowdScience (w3ct1pgg)**

What is the point of menstruation?

It's a topic that's taboo in many cultures, yet it's also something nearly every woman experiences – on average upwards of 400 times throughout her life: menstruation.

Responding to a flood of questions from our CrowdScience listeners, Marnie Chesterton seeks to unpack how periods affect women physically, mentally and societally.

Why did humans evolve to have periods when fewer than two percent of mammals share our experience of menstrual cycles? Is it really a good use of our limited energy reserves? What can the little Egyptian spiny mouse teach us about PMS symptoms? We hear why periods may reduce the number of faulty embryos that implant and how more menstrual cycles may even increase our chances of developing certain types of cancer.

Finally, as the number of periods a woman has over the course of her life has more than quadrupled since the pre-industrial era, Marnie asks: Do we really still need to have them?

Contributors:

Dr Nadia Bellofiore, Hudson Institute of Medical Research at Monash University

Dr Deena Emera, Buck Institute

Lameck Kiula, Jambo for Development

Sally King, Menstrual Matters & King's College London

Dr Diana Mansour, New Croft Centre & Newcastle University

Presented by Marnie Chesterton

Produced by Sam Baker and Melanie Brown for the BBC World Service

**MON 10:00 BBC News (w172ykq7496lczk)**

The latest five minute news bulletin from BBC World Service.

**MON 10:06 The Cultural Frontline (w3ct37rv)**

[Repeat of broadcast at 23:32 on Saturday]

**MON 10:30 BBC News Summary (w172ykr110t8r7y)**

The latest two minute news summary from BBC World Service.

**MON 10:32 Dear Daughter (w3ct42gd)**

[Repeat of broadcast at 05:32 on Saturday]

**MON 10:50 More or Less (w3ct3k52)**

[Repeat of broadcast at 05:50 on Saturday]

**MON 11:00 BBC News (w172ykq7496lhpq)**

The latest five minute news bulletin from BBC World Service.

**MON 11:06 The Newsroom (w172yl7vpjkkvc2)**

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

**MON 11:30 BBC News Summary (w172ykr110t8w02)**

The latest two minute news summary from BBC World Service.

**MON 11:32 The Conversation (w3ct37m9)**

[Repeat of broadcast at 04:32 today]

**MON 12:00 BBC News (w172ykq7496lmgf)**

The latest five minute news bulletin from BBC World Service.

**MON 12:06 Outlook (w3ct34np)**

The mystery of the lost mastertapes and my strange grandfather

In 2014, Daniel Lofredo Rota began unravelling a decades-old family mystery when he discovered a battered old suitcase belonging to his very eccentric, late grandfather. Inside was a treasure trove of lost recordings from Caife, a long-defunct record label that captured a golden age of Ecuadorian music. As a DJ and musician himself, Daniel wanted to restore these songs and through them, learn more about his mysterious grandfather. But his investigation would expose a troubled past.

A shorter version of this episode was first broadcast in 2018. Daniel and his family story will be featured in the upcoming podcast series, Caife: the lost sound.

Produced and presented by Maryam Maruf

Get in touch: outlook@bbc.com

(Photo: Daniel Lofredo Rota. Credit: Daniela Merino Traversari)

**MON 12:50 Witness History (w3ct3bz5)**

[Repeat of broadcast at 08:50 today]

**MON 13:00 BBC News (w172ykq7496lr6y)**

The latest five minute news bulletin from BBC World Service.

**MON 13:06 The Newsroom (w172yl7vpjkl2vb)**

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

**MON 13:30 BBC News Summary (w172ykr110t93hb)**

The latest two minute news summary from BBC World Service.

**MON 13:32 CrowdScience (w3ct1pgg)**

[Repeat of broadcast at 09:32 today]

**MON 14:00 BBC News (w172ykq7496lvz2)**

The latest five minute news bulletin from BBC World Service.

**MON 14:06 Newshour (w172yfc47gzpdx)**

Aid agencies struggle to help in flood-stricken Pakistan

As people across Pakistan endure devastating floods, local and international agencies face challenges as they try to provide assistance.

We hear the latest from the southern province of Sindh, one of the worst-affected regions, and speak to the Pakistan director of CARE International, Adil Shiraz.

Also in the programme: How farmers in southern Spain are coping with the country's continuing drought; and the almost-impossible mission to repair ancient glass vessels shattered in the Beirut port explosion of 2020.

(Photo shows people wading through a flooded area following heavy rains in Nowshera District, Khyber Pakhtunkhwa province, Pakistan. Credit: Bilawal Arbab/EPA)

**MON 15:00 BBC News (w172ykq7496lq6)**

The latest five minute news bulletin from BBC World Service.

**MON 15:06 HARDtalk (w3ct32lt)**

[Repeat of broadcast at 08:06 today]

**MON 15:30 BBC News Summary (w172ykr110t9bzl)**

The latest two minute news summary from BBC World Service.

**MON 15:32 World Business Report (w172yk46cckw4p)**

First broadcast 29/08/2022 14:32 GMT

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

**MON 16:00 BBC News (w172ykq7496m3gb)**

The latest five minute news bulletin from BBC World Service.

**MON 16:06 BBC OS (w172yg1q0sk1htd)**

Pakistan floods: Millions in need of aid

The government in Pakistan says a third of the country is now

under water. We have reached out to people who have witnessed the devastation and speak to those who have family members in the affected area.

The Ukrainian military says it has begun its long-awaited counter-offensive in the south. We get more details from our correspondent.

Nasa has postponed the launch of its Artemis rocket after last minute issues with one of its engines. We find out more from a space expert.

Our reporter in Kenya has interviewed the opposition leader Raila Odinga who says he is confident the Supreme Court will overturn the result of the recent presidential election.

(Photo: A boy sits on a street stall in a flooded area following heavy rains in Nowshera District, Khyber Pakhtunkhwa province, Pakistan, 29 August 2022. Credit: Bilawal Arbab/EPA)

**MON 17:00 BBC News (w172ykq7496m76g)**

The latest five minute news bulletin from BBC World Service.

**MON 17:06 BBC OS (w172yg1q0sk1mkj)**

Iraq: Protesters storm government buildings

Supporters of the powerful Shia cleric, Moqtada al-Sadr, have stormed government buildings in the Green Zone in Baghdad. It comes after Moqtada al-Sadr announced he is retiring from political life. We speak to our Middle East expert about the developments.

We have reached out to people who have witnessed the devastating floods in Pakistan and get our climate expert to explain why Pakistan is so vulnerable to flooding.

The Ukrainian military says it has begun a counter-offensive in the south. We get more details from our correspondent.

NASA has postponed the launch of its Artemis rocket after last minute issues with one of its engines. We find out more from a space expert.

Our reporter in Kenya has interviewed the opposition leader Raila Odinga who says he is confident the Supreme Court will overturn the result of the recent presidential election.

(Photo: Supporters of Iraqi populist leader Moqtada al-Sadr swim as they protest inside the Republican Palace in the Green Zone, in Baghdad, Iraq August 29, 2022. Credit: Alaa Al-Marjani/Reuters)

**MON 18:00 BBC News (w172ykq7496mbyl)**

The latest five minute news bulletin from BBC World Service.

**MON 18:06 Outlook (w3ct34np)**

[Repeat of broadcast at 12:06 today]

**MON 18:50 Witness History (w3ct3bz5)**

[Repeat of broadcast at 08:50 today]

**MON 19:00 BBC News (w172ykq7496mgpp)**

The latest five minute news bulletin from BBC World Service.

**MON 19:06 The Newsroom (w172yl7vpjklbt3)**

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

**MON 19:30 BBC News Summary (w172ykr110t9tz3)**

The latest two minute news summary from BBC World Service.

**MON 19:32 Sport Today (w172ygfll2zwnm)**

2022/08/29 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 (w172ykq7496mlfv)**

The latest five minute news bulletin from BBC World Service.

**MON 20:06 The Climate Question (w3ct3kjc)**

[Repeat of broadcast at 02:32 today]

**MON 20:30 BBC News Summary (w172ykr110t9yq7)**

The latest two minute news summary from BBC World Service.

**MON 20:32 Discovery (w3ct30bt)**

How Covid changed science, part 2

In the second of our series How Covid Changed Science, Devi Sridhar, Professor of Global Health at Edinburgh University looks at the scientific messaging. Just how do you explain to both politicians and the public that a growing global pandemic is likely to kill many people, and unprecedented measures such as a nationwide lockdown are needed to prevent even more deaths. What information should be imparted and how?

Similarly how to address the clamour for information on the development of vaccines and other potential treatments when there often wasn't clarity? And with the rise of misinformation how did individual scientists who became the subject of conspiracy theories cope with being targeted?

In this programme we hear from scientists and politicians directly involved with the pandemic response. For some the experience of explaining their often highly technical research to the general public was a daunting experience. For others it became a mission to answer the public's concerns and fears.

**MON 21:00 BBC News (w172ykq7496mq5z)**

The latest five minute news bulletin from BBC World Service.

**MON 21:06 Newshour (w172yfc47gqz848)**

Buildings stormed after Moqtada al-Sadr retires from Iraqi politics

One of Iraq's most powerful figures, Moqtada al-Sadr, who has been at the centre of a long crisis over forming a government, says he is retiring from political life. Several people were reported killed in clashes when his supporters stormed the presidential palace after the announcement.

Also in the programme: Ukraine says its army has begun an offensive in the south, where it's trying to drive Russian forces from the city of Kherson – we'll hear from a resident; and Nasa has postponed the launch of its new moon rocket.

(Picture: Iraqi cleric Moqtada al-Sadr in 2015. Picture credit: Getty Images)

**MON 22:00 BBC News (w172ykq7496mty3)**

The latest five minute news bulletin from BBC World Service.

**MON 22:06 HARDtalk (w3ct32lt)**

[Repeat of broadcast at 08:06 today]

**MON 22:30 BBC News Summary (w172ykr110tb66h)**

The latest two minute news summary from BBC World Service.

**MON 22:32 The Conversation (w3ct37m9)**

[Repeat of broadcast at 04:32 today]

**MON 23:00 BBC News (w172ykq7496mty7)**

The latest five minute news bulletin from BBC World Service.

**MON 23:06 The Newsroom (w172yrwzp6xyqtl)**

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

**MON 23:20 Sports News (w172ygh7gk691qj)**

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

**MON 23:30 BBC News Summary (w172ykr110tb9ym)**

The latest two minute news summary from BBC World Service.

**MON 23:32 World Business Report (w172yk5kn2z94k0)**

Pakistan's deadly floods threaten economic recovery

With a third of the country under water and more than 1,000 people dead, the government of Pakistan seeks international help to battle the devastating damage caused by monsoon rains. Asif Sherazi, Islamic Relief's director for that country, tells us how the situation looks like in Peshawar, one of the most affected areas.

The International Monetary Fund has approved a \$1.1bn-loan for Pakistan. The funds are a crucial lifeline for an economy that was already struggling before the floods, as economist Ammar Khan explains from Karachi.

The leaders of the European Union are preparing more emergency measures to try and curb soaring energy bills, but fossil fuel producers expect high prices to stay. We hear more from Suzanne Lynch from Politico in Brussels.

Can nuclear power present a path to cleaner, cheaper energy?

The disposal of nuclear waste, which can stay radioactive for thousands of years, has always made many wary of investing in more nuclear reactors. But now Sweden says it has found a way to storage these residues. The BBC's Theo Leggett reports.

The Rings of Power is the latest release from the Lord of the Rings' saga. Based on events that happened long before Frodo started his journey to Mordor, this Amazon production has become the most expensive series ever made. LA Times's entertainment reporter Anousha Sakoui tells us more.

And we discuss the latest developments in the markets with Peter Jankovskis from Arbor Financial Services in Chicago.

(Picture: Men wade through flood waters with their belongings in Charsadda. Picture credit: Reuters)

**TUESDAY 30 AUGUST 2022****TUE 00:00 BBC News (w172ykq7496n2fc)**

The latest five minute news bulletin from BBC World Service.

**TUE 00:06 The History Hour (w3ct39lm)**

[Repeat of broadcast at 20:06 on Sunday]

**TUE 01:00 BBC News (w172ykq7496n65h)**

The latest five minute news bulletin from BBC World Service.

**TUE 01:06 Business Matters (w172ydg052mm32v)**

Flood-stricken Pakistan appeals for economic support

Islamabad will receive a \$1.1bn loan to boost the economy, but as deadly floods disrupt the country's recovery more will be needed from international sources. Monsoon rains have left more than 1,000 people dead, and a third of Pakistan's territory under water. We hear more from economist Ammar Khan in Karachi.

Germany's free public transport (take out hyphens!) programme is in its final days. The scheme is meant to help reduce the use of energy amid a supply crisis triggered by the war in Ukraine and Germany's reliance on Russian gas. We talk to Christian Boettger from the University of Applied Science in Berlin.

As the cost of energy reaches record highs, leaders of the European Union discuss emergency measures to curb energy bills. Suzanne Lynch from Politico in Brussels tells us more.

Nuclear waste can stay radioactive for thousands of years, but Sweden says they have now found a better way to dispose of it. The BBC's Theo Leggett reports.

Amazon has produced the most expensive series ever made: The Rings of Power. The latest release from the Lord of the Rings (take out apostrophe) saga will premiere this week. LA Times's entertainment reporter Anousha Sakoui tells us more.

Will Bain is joined throughout the programme by James Mayger, China Economics Reporter at Bloomberg in Beijing, and Kristina Hooper, Chief Global Market Strategist at Invesco in New York City.

(Picture: A man, victim of the flood, stands amid the rubble of his damaged house, following rains and floods during the monsoon season, in Jafarabad. Picture credit: reuters)

**TUE 02:00 BBC News (w172ykq7496n9xm)**

The latest five minute news bulletin from BBC World Service.

**TUE 02:06 The Newsroom (w172y17v.jpkmnk0)**

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

**TUE 02:30 BBC News Summary (w172ykr110tbp60)**

The latest two minute news summary from BBC World Service.

**TUE 02:32 The Documentary (w3ct43dh)**

What are we searching for? Part 2

What are people looking for online within the world's major war zones? By examining internet search data, Ben Arogundade discovers the surprising stories of how, from the tiniest villages under attack to major cities hosting thousands of refugees, people are navigating their difficult circumstances and managing to live in the spaces between conflicts.

(Photo: A protest outside the Myanmar embassy in Bangkok, Thailand, in February 2021. Credit: Kan Sangtong/Shutterstock)

**TUE 03:00 BBC News (w172ykq7496nfnr)**

The latest five minute news bulletin from BBC World Service.

**TUE 03:06 Outlook (w3ct34np)**

[Repeat of broadcast at 12:06 on Monday]

**TUE 03:50 Witness History (w3ct3bz5)**

[Repeat of broadcast at 08:50 on Monday]

**TUE 04:00 BBC News (w172ykq7496nkdw)**

The latest five minute news bulletin from BBC World Service.

**TUE 04:06 The Newsroom (w172y17v.jpkmx18)**

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

**TUE 04:30 BBC News Summary (w172ykr110tbxp8)**

The latest two minute news summary from BBC World Service.

**TUE 04:32 In the Studio (w3ct3jjc)**

Sydney Opera House

The Sydney Opera House is one of the most iconic music venues in the world. And yet it was also known for less-than-perfect acoustics in the main concert hall. The sound was considered thin and scattered. The problem has taken two years and 150 million Australian dollars to fix, involving 174 tonnes of steel in the roof space alone.

Regina Botros joins a team of experts as they enter the final stages of re-tuning the building, ready for an opening night concert where everything has to sound just right.

Presented by Regina Botros

Executive produced by Stephen Hughes for the BBC World Service

**TUE 05:00 BBC News (w172ykq7496np50)**

The latest five minute news bulletin from BBC World Service.

**TUE 05:06 Newsday (w172yf8nx95p9tf)**

Ukraine claims new push in Russian-held Kherson

Ukraine says it has broken through Russian defences in several sectors of the frontline near the city of Kherson, which has been occupied by Moscow since the early days of the invasion.

East Africa is receiving its first shipload of Ukrainian grain since Russia's invasion. A vessel has docked in Djibouti, but is yet to unload its cargo.

And celebrations in South Sudan as the country's first police and army officers trained since independence graduate.

**TUE 06:00 BBC News (w172ykq7496nsx4)**

The latest five minute news bulletin from BBC World Service.

**TUE 06:06 Newsday (w172yf8nx95pfkk)**

Violence in Baghdad as Moqtada al-Sadr quits politics

Fighting between Iraqi security forces and Shia militia has continued inside the heavily-fortified Green Zone in the Iraqi capital, Baghdad. Foreigners have been caught up in the street fighting, with Dutch embassy staff forced to move to the German mission.

Ukraine says it has broken through Russian defences in several sectors of the frontline near the city of Kherson – which has been occupied by Moscow since the start of the invasion.

And in Pakistan almost a third of the country is now under water, with millions of homes damaged or destroyed and much of its farmland flooded.

**TUE 07:00 BBC News (w172ykq7496nxs8)**

The latest five minute news bulletin from BBC World Service.

**TUE 07:06 Newsday (w172yf8nx95pk9p)**

Deadly clashes in Iraq after al-Sadr quits

Fighting between Iraqi security forces and Shia militia has continued inside the heavily-fortified Green Zone in the Iraqi capital, Baghdad. Foreigners have been caught up in the street fighting, with Dutch embassy staff forced to move to the German mission.

Ukraine says it has broken through Russian defences in several



sectors of the frontline near the city of Kherson, which has been occupied by Moscow since the start of the invasion.

And in the Democratic Republic of Congo, protests against UN peacekeepers turn deadly.

**TUE 08:00 BBC News (w172ykq7496p1dd)**  
The latest five minute news bulletin from BBC World Service.

**TUE 08:06 People Fixing The World (w3ct3j2t)**  
Hands-off health tech

Two new technologies are revolutionising healthcare – without ever touching a patient.

Breast cancer fatality rates in India are higher than in other countries because women are often reluctant to go for screening. They're uncomfortable getting undressed in front of doctors, and screening is often hard to access or expensive.

We look at two new pieces of health technology which allow medics to treat people without touching them. Breast cancer fatality rates in India are higher than in other countries because women are often reluctant to go for screening. A start up called Niramai wants to change this. They use thermal imaging and machine learning to screen for breast cancer without patients having to be seen or touched by a doctor. Plus, we hear about a new company using augmented reality to connect surgeons in operating theatres around the world. Proximie allows medical professionals to help or observe surgery in progress from anywhere on their computer or tablet. It's already been deployed in 500 hospitals.

Presenter: Jo Mathys  
Reporters: Chhavi Sachdev and Lucy Burns  
Produced by Lucy Burns for the BBC World Service.  
Picture: Remote operation (credit: Proximie)

**TUE 08:30 BBC News Summary (w172ykr110tcdns)**  
The latest two minute news summary from BBC World Service.

**TUE 08:32 Business Daily (w3ct316n)**  
The unusual world of dark tourism

Instead of choosing a traditional sunny holiday, some tourists choose to visit places that many consider sites of tragedy, death or disaster.

On Business Daily we explore the benefits, and controversies, around this unusual type of tourism.

We speak to tour guides in two different areas to find out why tourists visit, and what benefits they bring. We hear from Dominik Orfanus and Lara Galdina from ChernobylX, which provides specialist tours, and also from Mee Tsuyama, from the Hiroshima Interpreters and Guides Association, on how the travel industry has helped the city recover from the devastation of the atomic bomb.

Presenter/Producer: Rory Claydon

(Picture: Radiation sign in Chernobyl Credit: BBC)

**TUE 08:50 Witness History (w3ct3c3p)**  
The 'Last Indian'

In 1911, a mysterious Native American man called Ishi emerged from the North Californian forest after more than three decades in hiding. He is thought to be the last survivor from the Yahi tribe. Ishi became a tourist attraction in San Francisco and many recordings were made of his stories and music.

In 2012, Louise Hidalgo retraced his story. She spoke to the author Ursula Le Guin and filmmaker Jed Riffe.

(Photo: Ishi. Credit: Phoebe A. Hearst Museum of Anthropology, University of California)

**TUE 09:00 BBC News (w172ykq7496p54j)**  
The latest five minute news bulletin from BBC World Service.

**TUE 09:06 The Documentary (w3ct43dh)**  
[Repeat of broadcast at 02:32 today]

**TUE 09:30 BBC News Summary (w172ykr110tcjdx)**  
The latest two minute news summary from BBC World Service.

**TUE 09:32 Discovery (w3ct30bt)**

[Repeat of broadcast at 20:32 on Monday]

**TUE 10:00 BBC News (w172ykq7496p8wn)**  
The latest five minute news bulletin from BBC World Service.

**TUE 10:06 The Arts Hour (w3ct390k)**  
[Repeat of broadcast at 20:06 on Saturday]

**TUE 11:00 BBC News (w172ykq7496pdms)**  
The latest five minute news bulletin from BBC World Service.

**TUE 11:06 The Newsroom (w172yl7vjpknr85)**  
The world's Newsroom brings you global events as they happen

**TUE 11:30 BBC News Summary (w172ykr110trcx5)**  
The latest two minute news summary from BBC World Service.

**TUE 11:32 In the Studio (w3ct3jjc)**  
[Repeat of broadcast at 04:32 today]

**TUE 12:00 BBC News (w172ykq7496pjcx)**  
The latest five minute news bulletin from BBC World Service.

**TUE 12:06 Outlook (w3ct3537)**  
Sacheen Littlefeather: Protest at the Oscars

In 1973 the Native American activist and actor Sacheen Littlefeather was asked by Marlon Brando to appear on live TV to refuse his Oscar for his role in The Godfather. Brando rejected the award because of misrepresentation of Native Americans by the US film industry. The stunt caused a scandal, and would have a profound effect on Sacheen's life. Now, nearly 50 years later, the Academy has apologised for the abuse she suffered.

Uma Devi Badi was born into the low-status Badi caste in Nepal, and faced discrimination throughout her life. She eventually decided to start a protest movement to demand greater rights for her caste, climbing the gates of a government building semi-naked to get attention for her cause.

Get in touch: outlook@bbc.com

Presenter: Andrea Kennedy

(Photo: Sacheen Littlefeather refuses Marlon Brando's Academy award. Credit: Getty Images)

**TUE 12:50 Witness History (w3ct3c3p)**  
[Repeat of broadcast at 08:50 today]

**TUE 13:00 BBC News (w172ykq7496pn41)**  
The latest five minute news bulletin from BBC World Service.

**TUE 13:06 The Newsroom (w172yl7vjpknzrf)**  
The world's Newsroom brings you global events as they happen

**TUE 13:30 BBC News Summary (w172ykr110td0df)**  
The latest two minute news summary from BBC World Service.

**TUE 13:32 Discovery (w3ct30bt)**  
[Repeat of broadcast at 20:32 on Monday]

**TUE 14:00 BBC News (w172ykq7496prw5)**  
The latest five minute news bulletin from BBC World Service.

**TUE 14:06 Newshour (w172yfc47gz9tg)**  
Iraq militia leader orders fighters to stop after deadly violence

More than thirty people are dead following fighting between rival Shia militia after the powerful Shia cleric, Moqtada al-Sadr, said he was stepping away from politics. His appeal for them to stop has now restored calm.

Also in the programme: the general who oversaw the withdrawal of the US military in Afghanistan speaks about no longer having a presence there; and how male dolphins make male friends for life, behaviour not previously confirmed among animals.

(Photo shows members of militias loyal to cleric Muqtada al-Sadr in Baghdad, Iraq. Credit: Miurtaja Lateef/EPA)

**TUE 15:00 BBC News (w172ykq7496pwm9)**  
The latest five minute news bulletin from BBC World Service.

**TUE 15:06 People Fixing The World (w3ct3j2t)**  
[Repeat of broadcast at 08:06 today]

**TUE 15:30 BBC News Summary (w172ykr110td7wp)**  
The latest two minute news summary from BBC World Service.

**TUE 15:32 World Business Report (w172yk80z8sdzry)**  
Ukraine grain arrives in East Africa

23,000 tonnes of wheat from Ukraine arrives in Djibouti in the Horn of Africa and will make its way to Ethiopia where over 20 million people face hunger. Michael Dunford from the World Food Programme joins us.

Six of the UK's largest pub and brewing companies have written an open letter to the Government warning of mass job losses as businesses close. Jonathan Lawson, Chief Executive of Liberation Group, which runs breweries and pubs across the south of England, shares his view.

India's biggest telecoms company, Reliance, says it will rollout a 5G network across the country in the next two months. Business journalist and columnist for the Tribune newspaper, Sushma Ramachandran updates us from New Delhi.

(Picture: ODESSA REGION, UKRAINE - AUGUST 16: The Lebanese-flagged bulk carrier Brave Commander grain ship carrying humanitarian food aid cargo of wheat for Ethiopia, departs from Yuzhne in Odessa region, Ukraine, on August 16, 2022. Picture Credit: Getty Images).

**TUE 16:00 BBC News (w172ykq7496q0cf)**  
The latest five minute news bulletin from BBC World Service.

**TUE 16:06 BBC OS (w172yg1q0sk4dqh)**  
Pakistan facing 'a monsoon on steroids'

Pakistan is facing "a monsoon on steroids", the UN's secretary general has warned, after floods submerged a third of the country. Antonio Guterres urged the world to come to Pakistan's aid as he launched a \$160m appeal to help the tens of millions affected in the disaster. We'll bring you the latest on the floods from our correspondents on the ground, and speak to people who have been affected.

Also, Ukraine's military says it has broken through Russia's first line of defence in the occupied Kherson region. The reported push appears to form part of a long-awaited counter-offensive being launched by Kyiv in an attempt to retake the country's south. We'll speak to our correspondent in Ukraine to find out more.

And, the first shipment of grain from Ukraine to Africa since the war began has docked in Djibouti. The MV Brave Commander is carrying 23,000 tonnes of Ukrainian wheat that is bound for neighbouring Ethiopia, which is in desperate need of food aid. Our correspondent is there.

(Photo: A man walks amid dirt at his damaged house, following rains and floods during the monsoon season in Nowshera 30/08/2022. Credit: Reuters)

**TUE 17:00 BBC News (w172ykq7496q43k)**  
The latest five minute news bulletin from BBC World Service.

**TUE 17:06 BBC OS (w172yg1q0sk4jgm)**  
Ukraine claims new offensive in Russian-held region

Ukraine's military says it has broken through Russia's first line of defence in the occupied Kherson region. The reported push appears to form part of a long-awaited counter-offensive being launched by Kyiv in an attempt to retake the country's south. We'll speak to our correspondent in Ukraine to find out more.

Also, Pakistan is facing "a monsoon on steroids", the UN's secretary general has warned, after floods submerged a third of the country. Antonio Guterres urged the world to come to Pakistan's aid as he launched a \$160m appeal to help the tens of millions affected in the disaster. We'll bring you the latest on the floods from our correspondents on the ground, and speak to people who have been affected.

And, the first shipment of grain from Ukraine to Africa since the war began has docked in Djibouti. The MV Brave Commander is carrying 23,000 tonnes of Ukrainian wheat that is bound for neighbouring Ethiopia, which is in desperate need of food aid. Our correspondent is there.

(Photo: A Russian military truck drives past an unexploded

munition during Ukraine-Russia conflict in the Russia-controlled village of Chornobaivka, Ukraine July 26, 2022. Credit: REUTERS/Alexander Ermochenko)

**TUE 18:00 BBC News (w172ykq7496q7vp)**

The latest five minute news bulletin from BBC World Service.

**TUE 18:06 Outlook (w3ct3537)**

[Repeat of broadcast at 12:06 today]

**TUE 18:50 Witness History (w3ct3c3p)**

[Repeat of broadcast at 08:50 today]

**TUE 19:00 BBC News (w172ykq7496qclt)**

The latest five minute news bulletin from BBC World Service.

**TUE 19:06 The Newsroom (w172yl7vjpkpq76)**

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

**TUE 19:30 BBC News Summary (w172ykr110tdqw6)**

The latest two minute news summary from BBC World Service.

**TUE 19:32 Sport Today (w172ygfll2zwwkq)**

2022/08/30 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 (w172ykq7496qhbby)**

The latest five minute news bulletin from BBC World Service.

**TUE 20:06 The Documentary (w3ct43dh)**

[Repeat of broadcast at 02:32 today]

**TUE 20:30 BBC News Summary (w172ykr110tdvmb)**

The latest two minute news summary from BBC World Service.

**TUE 20:32 Digital Planet (w3ct31yt)**

Inoculation videos against misinformation

Inoculation against misinformation

Could people be inoculated and protected against misinformation online? A new study published in Science Advances shows that short animated videos could protect people from harmful content. Controlled experiments where people were shown how misinformation is spread e.g. using emotional language or scapegoating, appeared highly effective in helping people judge what might be fact or fiction on the web. Psychologists worked with Google Jigsaw and tested their experiments in real life by placing them in the ads section on YouTube videos. They saw a 5% impact in being able to spot misinformation and they also reduced sharing frequency.

This "pre-bunking" strategy exposes people to tropes and explains how malicious propaganda is spread, so they can better identify online falsehoods. Researchers behind the Inoculation Science project compare it to a vaccine: by giving people a "micro-dose" of misinformation in advance, it helps prevent them falling for it in future – an idea based on what social psychologist's call "inoculation theory". Lead author Dr. Jon Roozenbeek is live on the programme to explain why this works and Beth Goldberg from Google talks about their new project to reduce misinformation spread about refugees in central Europe.

Indonesian data breaches

There have been five major data breaches in Indonesia this month, three alone in the last fortnight; the personal data of more than 26 million users of state-owned telecommunication provider PT Telkom was allegedly leaked – but the company denied this. Last week, foreign companies, including Microsoft and PwC, were also reportedly hit by a data breach. Astudestra Ajengrastri, Deputy Editor in the BBC Jakarta office, is on the show to explain why this is such a huge problem, how little is being done about it and why so many Indonesians seem indifferent to the breaches.

Robotic Dogs

Have you seen the video of a robotic dog firing a sub-machine gun? It's had well over 4 million views. It comes swiftly after reports of robotic dogs being used to patrol the US-Mexican border. But can robotic dogs become our virtual best friend despite them being used by the military and security services? Reporter Dominic Watters looks at the tech and what these robots are truly capable of (walking on uneven surfaces still needs to be mastered) and could actually be used for the benefit of humankind – using their sensory systems to navigate

dangerous terrains after natural disasters for instance?

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

Studio Manager: Steve Greenwood

Producer: Ania Lichtarowicz

(Image credit: Screenshot of a video collaboration between Cambridge University, the University of Bristol, and Google Jigsaw)

**TUE 21:00 BBC News (w172ykq7496qm32)**

The latest five minute news bulletin from BBC World Service.

**TUE 21:06 Newshour (w172yfc47gzt51c)**

Ukraine grain ship docks in Djibouti

The first grain from Ukraine in months reaches the Horn of Africa. It is the first vessel carrying Ukrainian grain to arrive in Africa since Russia invaded the country in February. Tens of millions of people in the region are in need of food aid - a combination of drought, conflict and price rises caused by the war in Europe.

Also on the programme: After Monday's bloodshed, is Iraq heading for fresh elections? And a human rights group says a Saudi woman has been sentenced to forty-five years in prison for social media posts.

(Photo: A World Food Programme staff looks on as the MV Brave Commander carrying wheat grain from Yuzhny Port in Ukraine to the drought-stricken Horn of Africa docks at port of Djibouti in Djibouti, August 30, 2022. Credit: Hugh Rutherford/World Food Programme)

**TUE 22:00 BBC News (w172ykq7496qyv6)**

The latest five minute news bulletin from BBC World Service.

**TUE 22:06 People Fixing The World (w3ct3j2t)**

[Repeat of broadcast at 08:06 today]

**TUE 22:30 BBC News Summary (w172ykr110tf33l)**

The latest two minute news summary from BBC World Service.

**TUE 22:32 In the Studio (w3ct3jjc)**

[Repeat of broadcast at 04:32 today]

**TUE 23:00 BBC News (w172ykq7496qvlb)**

The latest five minute news bulletin from BBC World Service.

**TUE 23:06 The Newsroom (w172yrwzp6xfvmx)**

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

**TUE 23:20 Sports News (w172ygh7gk6cymmm)**

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

**TUE 23:30 BBC News Summary (w172ykr110tf6vq)**

The latest two minute news summary from BBC World Service.

**TUE 23:32 World Business Report (w172yk8vf0d4858)**

Xi Jinping paves way to third term

The leader of the Communist Party is expected to renew his rule for another five years, amid a slowing economy and fears of a global recession. As the Chinese feel the pinch from the current energy crisis and soaring prices, could there be any opposition to Xi's plans? We ask Mary Lovely, a senior fellow at the Peterson Institute for International Economics, in the United States.

California's Senate has passed what is known as the Fast Food Bill, which gives workers at restaurants like Starbucks and McDonald's the right to negotiate with government and their employers. We hear more from Mary Kay Henry, international president of Service Employees International Union. Sri Lanka's new president, Ranil Wickremesinghe, has announced further tax cuts and reforms to try to secure a support deal of between \$2bn and \$3bn from the International Monetary Fund. We talk to professor and former Chief Economist at the World Bank Shanta Devarajan, in Washington DC.

Some people choose going on holidays to the beach or the mountains. But lately, more people are opting for "dark tourism" spots: places associated with tragedy, death or disaster.

The BBC's Rory Claydon reports.

This week at the US Open there was a star studded crowd at Flushing Meadows to see Serena Williams, who has said she is "evolving" away from tennis. The athlete and businesswoman won't be short of prospects once she leaves the game, but what could the future hold? We ask Nancy Spencer, a Professor at the Sport Management Program in Bowling Green State University, in Ohio.

(Picture: Xi Jinping. Picture credit: Reuters)

**WEDNESDAY 31 AUGUST 2022**

**WED 00:00 BBC News (w172ykq7496qzbq)**

The latest five minute news bulletin from BBC World Service.

**WED 00:06 The Arts Hour (w3ct390k)**

[Repeat of broadcast at 20:06 on Saturday]

**WED 01:00 BBC News (w172ykq7496r32l)**

The latest five minute news bulletin from BBC World Service.

**WED 01:06 Business Matters (w172ydg052mqzzy)**

A look at Mikhail Gorbachev's economic legacy

The last leader of the Soviet Union has died at the age of 91. He remains a divisive figure praised by those who value the freedoms that millions of Soviet citizens gained after his reforms, but condemned by those in Russia who believe he allowed the fall of an empire. We hear more from his biographer, William Taubman, and the Center for Strategic and International Studies' senior fellow Gerard DiPippo.

The Chinese leader Xi Jinping has started his march to renew his rule for another five years, an unprecedented move since the times of Mao Zedong. But as the economy slows down and Covid lockdowns continue to spring up, could there be any opposition to Xi's plans? We ask Mary Lovely, a senior fellow at the Peterson Institute for International Economics, in the United States.

California's Senate has passed what is known as the Fast Food Bill, which gives workers at restaurants like Starbucks and McDonald's the right to negotiate with government and their employers. We talk to Mary Kay Henry, international president of Service Employees International Union.

Serena Williams's upcoming retirement is making many of her fans wonder what the future awaits for one of the biggest female stars in tennis. Having built a brand around her persona, it won't be long until we hear from her again, as Nancy Spencer, a Professor at the Sport Management Program in Bowling Green State University, tells us.

Roger Hearing is joined throughout the programme by guests in opposite sides of the world: Diane Brady, assistant managing editor at Forbes, in New York, and David Quo, financial analyst and co-founder of the Smart Investor, in Singapore.

(Picture: Former Soviet President Mikhail Gorbachev. Picture credit: Reuters)

**WED 02:00 BBC News (w172ykq7496r6tq)**

The latest five minute news bulletin from BBC World Service.

**WED 02:06 The Newsroom (w172yl7vjpkqkg3)**

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

**WED 02:30 BBC News Summary (w172ykr110tf133)**

The latest two minute news summary from BBC World Service.

**WED 02:32 The Compass (w3ct43ds)**

Green Energy: Some Inconvenient Truths

Green energy: Finance

How is the world going to get to net zero by 2050 and who is paying the bill? Former governor of the Bank of England, and UN Special Envoy on Climate Action and Finance, Mark Carney, recently put the figure we need to spend at 100 trillion dollars at least. Switching to renewable sources of energy, needs the global financial markets to pay for the necessary infrastructure. Costs will come down as the technology improves; take the example of solar panels where the last two decades have seen an astounding 96% drop, from 10 dollars a watt to 25 cents.

Allan Little investigates innovate companies investing in green energy; direct air carbon capture technology and a plant

producing the greenest aluminium in the world thanks to geothermal power. But the road to net zero is fragile, and vulnerable to geopolitical events. Every solution to global warming has an impact and unintended consequences. What is the real cost of getting to net zero?

Presenter: Allan Little  
Producer: Anna Horsbrugh-Porter  
Editor: Susan Marling  
A Just Radio production for BBC World Service

(Photo: Solar power plant, in Fujian Province, China. Credit: Getty Images)

**WED 03:00 BBC News (w172ykq7496rbkv)**  
The latest five minute news bulletin from BBC World Service.

**WED 03:06 Outlook (w3ct3537)**  
[Repeat of broadcast at 12:06 on Tuesday]

**WED 03:50 Witness History (w3ct3c3p)**  
[Repeat of broadcast at 08:50 on Tuesday]

**WED 04:00 BBC News (w172ykq7496rg9z)**  
The latest five minute news bulletin from BBC World Service.

**WED 04:06 The Newsroom (w172yl7vjpkqsy)**  
The world's Newsroom brings you global events as they happen

**WED 04:30 BBC News Summary (w172ykr110ftlc)**  
The latest two minute news summary from BBC World Service.

**WED 04:32 Untold Legends (w3ct43cd)**  
1. An empty chair

Who was Ora Washington? The southern farm girl who wanted more. But recognition came too late – why was the guest of honour at a star-studded event missing? Ora was a brilliant tennis and basketball player who fought to make her name in racially segregated America. We find out about her early life in Virginia. Please note, this episode contains some outdated language that may offend. #UntoldLegends

**WED 05:00 BBC News (w172ykq7496rl23)**  
The latest five minute news bulletin from BBC World Service.

**WED 05:06 Newsday (w172yf8nx95s6qj)**  
Mikhail Gorbachev: Former Soviet leader dies

Mikhail Gorbachev, the last leader of the Soviet Union, has died, at the age of ninety one. Hospital staff said he had been battling a serious and long illness.

US President Joe Biden has once again promised to ban assault weapons and criticised the Republican Party for opposing his attempts to curb gun violence.

And unrelenting rains in Pakistan have destroyed homes and belongings, affecting tens of millions.

**WED 06:00 BBC News (w172ykq7496rpt7)**  
The latest five minute news bulletin from BBC World Service.

**WED 06:06 Newsday (w172yf8nx95sbgn)**  
Tributes pour in for Mikhail Gorbachev

Figures from across the world are paying tribute to Mikhail Gorbachev who has died in Moscow aged 91.

The deadly fighting in the Iraqi capital, Baghdad, appears to have subsided after Moqtada al-Sadr told his supporters to end their protests.

And Russia is shutting down gas supplies from a major pipeline to Europe for the next three days.

**WED 07:00 BBC News (w172ykq7496rtkc)**  
The latest five minute news bulletin from BBC World Service.

**WED 07:06 Newsday (w172yf8nx95sg6s)**  
Mikhail Gorbachev: Putin expresses deepest condolences

Figures from across the world are paying tribute to Mikhail Gorbachev who has died in Moscow at the age of 91 in Moscow.

The EU is giving more than five million anti-radiation tablets to Ukraine, as fears grow of an accident at Europe's largest nuclear power plant.

And Pakistan is facing "a monsoon on steroids", warns the UN's secretary general, after floods submerged a third of the country.

**WED 08:00 BBC News (w172ykq7496ry9h)**  
The latest five minute news bulletin from BBC World Service.

**WED 08:06 HARDtalk (w3ct32rb)**  
Gwen Adshead: Getting inside the minds of murderers

Zeinab Badawi speaks to Dr Gwen Adshead, a forensic psychiatrist and psychotherapist who has spent more than three decades trying to treat some of the UK's most violent offenders. Why does she urge compassion and understanding for those who many brand as simply evil?

**WED 08:30 BBC News Summary (w172ykr110tg9kw)**  
The latest two minute news summary from BBC World Service.

**WED 08:32 Business Daily (w3ct31c5)**  
Getting ready for Paris 2024

Ashish Sharma reports from Paris as the city prepares to host the Olympic games in the summer of 2024.

President of the Paris Organising Committee of the 2024 Olympic and Paralympic Games, Tony Estanguet, tells Ashish how they hope to make the games the most sustainable ever held. We also hear from Sodexo, the company charged with catering the games.

Local business owners tell us how they feel about the Olympics coming to their city so soon after the pandemic and in the midst of an energy crisis.

Presenter / producer: Ashish Sharma  
Image: Tony Estanguet; Credit: Getty

**WED 08:50 Witness History (w3ct3c5y)**  
Princess Diana dances with John Travolta

It's the 25th anniversary of the death of Princess Diana, who was killed in a car crash in an underground tunnel in central Paris on the 31st August 1997.

She was one of the most famous and glamorous women in the world - a mega star.

In 1985, Princess Diana and Prince Charles made their first joint visit to the US. The highlight of the tour was a gala dinner at the White House where the young princess danced with the star of Saturday Night Fever John Travolta.

Speaking in 2011, the Daily Mirror's royal correspondent James Whitaker told Kirsty Reid about the glamorous night.

Image: John Travolta dances with Princess Diana at a White House dinner, November 9th 1985 (Credit: Reuters/File photo)

**WED 09:00 BBC News (w172ykq7496s21m)**  
The latest five minute news bulletin from BBC World Service.

**WED 09:06 The Compass (w3ct43ds)**  
[Repeat of broadcast at 02:32 today]

**WED 09:30 BBC News Summary (w172ykr110tgb0)**  
The latest two minute news summary from BBC World Service.

**WED 09:32 Digital Planet (w3ct31yt)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 10:00 BBC News (w172ykq7496s5sr)**  
The latest five minute news bulletin from BBC World Service.

**WED 10:06 The Documentary (w3ct2zvj)**  
[Repeat of broadcast at 12:06 on Saturday]

**WED 11:00 BBC News (w172ykq7496s9jw)**  
The latest five minute news bulletin from BBC World Service.

**WED 11:06 The Newsroom (w172yl7vjpkrn58)**  
The world's Newsroom brings you global events as they happen

**WED 11:30 BBC News Summary (w172ykr110tgn8)**  
The latest two minute news summary from BBC World Service.

**WED 11:32 Untold Legends (w3ct43cd)**  
[Repeat of broadcast at 04:32 today]

**WED 12:00 BBC News (w172ykq7496sf90)**  
The latest five minute news bulletin from BBC World Service.

**WED 12:06 Outlook (w3ct3y8t)**  
Space and self-doubt: An astronomer's unusual route to the stars

In the northern Indian region where Poonam Chandra was raised, not much was expected of girls academically. She grew up believing she needed just enough education to make a good wife. But a talent and passion for maths drew Poonam away from the path her parents had planned for her, towards the pursuit of astrophysics. She studied in secret, going to extraordinary and dangerous lengths to take the exams which would lead her to a PhD. But when she was finally accepted onto a doctorate, things did not go to plan. She has since gone on to become one of India's leading young scientists, although she still wrestles with self-doubt and imposter syndrome today.

After experiencing a series of misfortunes, writer Maria Konnikova wanted to learn more about the role that luck, skill and chance play in people's lives. So she decided to learn how to play poker and became a highly-rated champion in a little over a year. This interview was first broadcast in 2020.

Get in touch: outlook@bbc.com

Presenter: Andrea Kennedy

(Photo: Woman with telescope watching the stars. Credit: Getty Images)

**WED 12:50 Witness History (w3ct3c5y)**  
[Repeat of broadcast at 08:50 today]

**WED 13:00 BBC News (w172ykq7496sk14)**  
The latest five minute news bulletin from BBC World Service.

**WED 13:06 The Newsroom (w172yl7vjpkwrnj)**  
The world's Newsroom brings you global events as they happen

**WED 13:30 BBC News Summary (w172ykr110tgs9j)**  
The latest two minute news summary from BBC World Service.

**WED 13:32 Digital Planet (w3ct31yt)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 14:00 BBC News (w172ykq7496sns8)**  
The latest five minute news bulletin from BBC World Service.

**WED 14:06 Newshour (w172yfc47gzw6qk)**  
Mikhail Gorbachev, last leader of the Soviet Union, dies

The last leader of the Soviet Union, Mikhail Gorbachev, has died, aged 91. The former president opened up the Soviet Union but failed to prevent its collapse in 1991.

Praised in the West for being on the right side of history, he is viewed differently now in Russia, as the man who presided over the dissolution of the Soviet Empire.

Russia's President, Vladimir Putin said today that Mikhail Gorbachev has a huge impact on world history.

Also in the programme: we speak to a writer of Mr Gorbachev's famous Pizza Hut advert; and as a team from the nuclear watchdog, the IAEA, heads for Europe's largest nuclear power plant in Zaphorizhia, we hear from Ukraine's ambassador to the organisation.

(Photo shows former Russian President Mikhail Gorbachev on 10 June 2006. Credit: Chris Radburn/PA)

**WED 15:00 BBC News (w172ykq7496ssjd)**  
The latest five minute news bulletin from BBC World Service.

**WED 15:06 HARDtalk (w3ct32rb)**  
[Repeat of broadcast at 08:06 today]

**WED 15:30 BBC News Summary (w172ykr110th4ss)**  
The latest two minute news summary from BBC World Service.

**WED 15:32 World Business Report (w172yk9nvqzwhjm)**  
India accelerates amid global slowdown

Few economies seem to be safe from shrinking, but India is proving an exception. The latest data shows the country enjoyed 13.5% GDP growth between April and June. It's good news for a nation which is wondering how to support its own rapidly expanding population. So will the rest of the world see a benefit?

Joining the programme are Priyanka Kishore, Head of India and South East Asia at Oxford Economics; and Satender Kumar, the co-founder of online plant business Nurserylive.

We're also looking at the impact of catastrophic floods on Pakistan's fragile - and important - cotton production industry.

(Picture: Mumbai's bustling Dadar outdoor market. Credit: Getty Images.)

**WED 16:00 BBC News (w172ykq7496sx8j)**  
The latest five minute news bulletin from BBC World Service.

**WED 16:06 BBC OS (w172yg1q0sk79ml)**  
How are Russians remembering Gorbachev?

We find out how Russians are remembering Mikhail Gorbachev – the last leader of the Soviet Union – who has died at the age of 91. We explain why he was such a divisive figure, celebrated in the West but not in Russia.

We hear more personal stories of people affected by the floods in Pakistan. A farmer in Sidh province talks about the situation in his village. We also examine the role of climate change in making disasters like this more likely and more common.

We get an update from Mexico on the ten miners who have been trapped in a flooded coal mine for four weeks now.

(Photo: Former Soviet President Mikhail Gorbachev speaks during his press conference after his visit to Japan; in Moscow, Russia, 24 April 1992 (reissued 30 August 2022). Credit: STRINGER/EPA-EFE/REX/Shutterstock)

**WED 17:00 BBC News (w172ykq7496t10n)**  
The latest five minute news bulletin from BBC World Service.

**WED 17:06 BBC OS (w172yg1q0sk7fcq)**  
Pakistan floods: Millions are homeless

Monsoon rains have caused devastating floods in Pakistan, leaving millions homeless, destroying buildings, bridges and roads and leaving vast swathes of the country under water. We hear from a man in Sidh province about the desperate situation in his village. He is working night and day to try to help people who've been forced from their homes.

We find out how Russians are remembering Mikhail Gorbachev – the last leader of the Soviet Union – who has died at the age of 91. We explain why he was such a divisive figure, celebrated in the West but not in Russia.

We talk about a debate in the US about rap lyrics being used as evidence in court.

(Photo: A flood victim walks through flood waters, following rains during the monsoon season in Nowshera, Pakistan August 31, 2022. Credit: Fayaz Aziz/Reuters)

**WED 18:00 BBC News (w172ykq7496t4rs)**  
The latest five minute news bulletin from BBC World Service.

**WED 18:06 Outlook (w3ct3y8t)**  
[Repeat of broadcast at 12:06 today]

**WED 18:50 Witness History (w3ct3c5y)**  
[Repeat of broadcast at 08:50 today]

**WED 19:00 BBC News (w172ykq7496t8hx)**  
The latest five minute news bulletin from BBC World Service.

**WED 19:06 The Newsroom (w172yl7vjpksm49)**  
The world's Newsroom brings you global events as they happen

**WED 19:30 BBC News Summary (w172ykr110thms9)**  
The latest two minute news summary from BBC World Service.

**WED 19:32 Sport Today (w172ygf11302sgt)**

2022/08/31 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 (w172ykq7496td81)**  
The latest five minute news bulletin from BBC World Service.

**WED 20:06 The Compass (w3ct43ds)**  
[Repeat of broadcast at 02:32 today]

**WED 20:30 BBC News Summary (w172ykr110thrjf)**  
The latest two minute news summary from BBC World Service.

**WED 20:32 Health Check (w3ct32wv)**  
Statins rarely cause muscle pain

Statins save lives by lowering the level of 'bad' cholesterol in our blood, reducing the risk of heart attacks and strokes. But warnings about potential aches and pains in our muscles has put off some people from taking them. UK scientists have analysed the best statin trials and found that these side effects are actually rare – and the benefits outweigh the risks. We hear from Professor Colin Baigent in Oxford about how this study should reassure those who need to take them.

On Health Check we like to bring you the best possible evidence – and for that we rely on research which has been peer reviewed. Professor Matt Fox from Boston University explains how scrutinising the research of his peers takes time and is unpaid – a situation which he believes is unsustainable.

The bleeding disorder haemophilia B means the blood doesn't clot properly, so a cut or even a bruise can have serious consequences. Elliott who lives in the UK is one of the first people to try a new gene therapy which has effectively cured his haemophilia.

And we hear news of a study which claims that tea drinkers might live longer.

Presenter: Claudia Hammond  
Producer: Paula McGrath

(Picture: A generic pack of statins with a stethoscope. Photo credit: Roger Ashford/Getty Images.)

**WED 21:00 BBC News (w172ykq7496tj05)**  
The latest five minute news bulletin from BBC World Service.

**WED 21:06 Newshour (w172yfc47gzz1yg)**  
Russia announces temporary suspension of gas to Germany for pipeline maintenance

Russia has announced a three-day suspension of gas to Germany for pipeline maintenance to the Nordstream 1 pipeline, exacerbating concerns of gas shortages this coming winter. Many accuse Russia of weaponising its position as a major supplier of gas to Europe – and in the case of Germany, before the war in Ukraine, more than half of its gas came from Russia. How concerned is Germany by this latest interruption to gas supplies?

Also on the programme; European Union foreign ministers have agreed to make it harder and more expensive for Russian citizens to secure visas to enter the EU. And Germany has reached a compensation deal with the relatives of Israelis killed in an attack on the 1972 Munich Olympics.

(Photo: Pipes at the landfill facilities of the 'Nord Stream 1' gas pipeline are pictured in Lubmin, Germany, March 8, 2022. Credit: REUTERS/Hannibal Hanschke)

**WED 22:00 BBC News (w172ykq7496tmr9)**  
The latest five minute news bulletin from BBC World Service.

**WED 22:06 HARDtalk (w3ct32rb)**  
[Repeat of broadcast at 08:06 today]

**WED 22:30 BBC News Summary (w172ykr110tj00p)**  
The latest two minute news summary from BBC World Service.

**WED 22:32 Untold Legends (w3ct43cd)**  
[Repeat of broadcast at 04:32 today]

**WED 23:00 BBC News (w172ykq7496trhf)**  
The latest five minute news bulletin from BBC World Service.

**WED 23:06 The Newsroom (w172yrvzp6xjrk0)**  
The world's Newsroom brings you global events as they happen

**WED 23:20 Sports News (w172ygh7gk6gvjq)**  
BBC Sport brings you all the latest stories and results from around the world.

**WED 23:30 BBC News Summary (w172ykr110tj3rt)**  
The latest two minute news summary from BBC World Service.

**WED 23:32 World Business Report (w172ykbh9gllrxy)**  
Russia persists with gas pipeline shutoffs

Moscow says further repairs will stop the Nord Stream 1 pipeline for three days. It's prompted further panic in Europe as leaders fear the supply will not resume, depleting reserves and pushing up prices even more. So is Russia telling the truth - or using repairs as a ploy to shock the market?

We hear from Stefan Lechtenböhmer, the Director of Future Energy and Industry Systems at Germany's Wuppertal Institute.

We're in the UK, where wind farms are being touted as a key alternative energy source.

Also, as NASA has trouble getting its latest mission off the ground, we explore the likelihood of humans reaching Mars.

(Picture: Parts of the Nord Stream 1 pipeline near the Germany/Poland border. Credit: Getty Images.)

#### THURSDAY 01 SEPTEMBER 2022

**THU 00:00 BBC News (w172ykq7496tw7k)**  
The latest five minute news bulletin from BBC World Service.

**THU 00:06 The Documentary (w3ct2zvj)**  
[Repeat of broadcast at 12:06 on Saturday]

**THU 01:00 BBC News (w172ykq7496tzzp)**  
The latest five minute news bulletin from BBC World Service.

**THU 01:06 Business Matters (w172ydq052mtwx1)**  
Russia switches off the gas

European leaders fear of future price increases as Nord Stream 1 is paused for repairs by the Russian government. Moscow say it's because more repair work is needed, despite repairs already being carried out in July. Stefan Lechtenböhmer, Director of Future Energy and Industry Systems at the Wuppertal Institute, in Germany tells us just how common these last minute repairs are.

In the UK, the world's largest offshore windfarm, the Hornsea Two Project, has become fully operational and can generate enough electricity to power more than a million homes. We hear from Duncan Clark, head of UK operations at Orsted, which owns the windfarm, to find out how big this green project is.

We then go to space where MOXIE, an experiment between NASA and the Massachusetts Institute of Technology, has successfully made oxygen from the carbon dioxide rich atmosphere of Mars, and Michael Hecht, Associate Director at the Haystack Observatory at the Massachusetts Institute of Technology, reveals how this could make human settlement on Mars possible.

Meanwhile, Amazon's Lord of the Rings: Rings of Power launches on Thursday - and could cost over \$1 billion when it concludes its 5 season run. As it debuts shortly after HBO's House of the Dragon, film critic Sheraz Farooqi unravels why this could be Amazon's big moment in the streaming wars.

Throughout the programme we're joined by Alexander Kaufman, Environment Reporter for the Huffington Post in New York, and Business Development Consultant Jessica Khine, in London to discuss the latest business news.

(Picture: The Nordstream Pipeline. Picture Credit: JOHN MACDOUGALL/AFP via Getty Images)

**THU 02:00 BBC News (w172ykq7496v3qt)**  
The latest five minute news bulletin from BBC World Service.

**THU 02:06 The Newsroom (w172yl7vjpktgc6)**  
The world's Newsroom brings you global events as they happen

**THU 02:30 BBC News Summary (w172ykr110tjh06)**

The latest two minute news summary from BBC World Service.

**THU 02:32 Assignment (w3ct3041)**

What next for School no 20?

Max, Alyona, Serhiy, Oleg, Alina and Vladyslav are leaving school this year - six 17 year olds full of dreams. Serhiy plans an epic bike ride; Max pours his heart into music - and they've all turned up for the prom that marks their passage into adulthood.

But their school, School no. 20 in Chernihiv, has been shelled badly by the Russian army, and the school leavers face a future with none of the old certainties. In the early morning of February 24th, 'My mother came in and said that the war had begun... it was unreal,' Alyona says 'I just went back to bed thinking it was cool that I didn't have to go to school and could sleep in. And then, when I finally realised... it was as if someone took the ground from under your feet, and now you're kind of weightless.' Alina tells us of the weeks she spent in the cellar, sleeping on a shelf meant for jam and trying to revise by candle light. When the fighting died down, she made her way across her bombed city to charge her phone at a special park bench fitted with solar panels.

All six have found themselves changed forever by the last few months. They are thinking deeply about what will happen next. Vlad is still planning to study IT, but who knows? 'If my country needs me, then so be it. I'll serve in the army.' Yet despite it all, they are teenagers still. Toffee popcorn, model dragons, and dresses all feature in a documentary full of life.

The teenagers plan to stay in touch with one another in the years to come, even if their lives are scattered. And Assignment plans to stay in touch with them too. Alyona reaches out in this first episode to other teens in Ukraine and the wider world.

'I want to say to all the people who are safe - don't feel bad about it. It's fine that you can eat, or smile, or just go for a walk and enjoy your life in peace. You must live your life!'

With special thanks to Vladyslav Savenok and the staff and pupils at School no. 20, Chernihiv.

Presenter: Olga Betko

Producer: Monica Whitlock

Editor: Penny Murphy

Studio Managers: James Beard and Graham Puddifoot

Production Coordinator: Gemma Ashman

(Image: Leavers from School no 20, Chernihiv, Ukraine.  
Credit: Vladyslav Savenok)

**THU 03:00 BBC News (w172ykq7496v7gy)**

The latest five minute news bulletin from BBC World Service.

**THU 03:06 Outlook (w3ct3y8t)**

[Repeat of broadcast at 12:06 on Wednesday]

**THU 03:50 Witness History (w3ct3c5y)**

[Repeat of broadcast at 08:50 on Wednesday]

**THU 04:00 BBC News (w172ykq7496vc72)**

The latest five minute news bulletin from BBC World Service.

**THU 04:06 The Newsroom (w172yl7vjpktpvg)**

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

**THU 04:30 BBC News Summary (w172ykr110tjqhg)**

The latest two minute news summary from BBC World Service.

**THU 04:32 The Food Chain (w3ct38n9)**

Tomorrow's food crops

Climate change means that, in many parts of the world, the way we farm is no longer working.

We need a larger, more diverse range of crops that perform even when the rains don't come or, as can also be the case, when too much rain comes.

Currently, just 15 crops make up 90% of our energy intake, according to the United Nations' Food and Agriculture Organization.

In this programme, we're meeting people who are trying to develop food crops that might thrive in our changing world.

Ruth Alexander visits the Millennium Seed Bank ran by the

Royal Botanic Gardens Kew in the UK, where Dr Chris Cockle explains their work collecting and storing seeds from the wild relatives of our staple crops. Tessa Peters, Director of Crop Stewardship at The Land Institute in Kansas, US, makes the case for creating perennial versions of our crops, in order to preserve soil health. And Dr Rebbie Harawa, regional director, Eastern and Southern Africa at the International Crops Research Institute for the Semi Arid-Tropics talks about why a currently underutilised crop – millet – could be help struggling farmers in dry areas.

Picture: Close up of millet growing in a field; Credit: BBC/Getty

**THU 05:00 BBC News (w172ykq7496vgz6)**

The latest five minute news bulletin from BBC World Service.

**THU 05:06 Newsday (w172yf8nx95w3mm)**

Xinjiang: UN accuses China of crimes against humanity

A long delayed UN report says allegations of serious human rights abuses in China's Xinjiang region may constitute crimes against humanity. It found that reports of torture and sexual abuse at detention camps against Uighur Muslims are credible.

International Atomic Energy Agency inspectors are due to visit the Russian-occupied Zaporizhzhia nuclear power plant as they seek to safeguard the site amid artillery shelling.

And Kenya's long time opposition leader Raila Odinga says he is confident of a favourable ruling by the country's constitutional court regarding a petition seeking to invalidate the declaration of his opponent William Ruto as President elect.

**THU 06:00 BBC News (w172ykq7496vlqb)**

The latest five minute news bulletin from BBC World Service.

**THU 06:06 Newsday (w172yf8nx95w7cr)**

China says UN Xinjiang report is a 'farce'

A long delayed UN report says the allegations of serious human rights abuses in China's Xinjiang region may constitute crimes against humanity. It found that reports of torture and sexual abuse at detention camps against Uighur Muslims are credible.

A team from the UN's nuclear watchdog is expected to visit the Russian-controlled Zaporizhzhia nuclear power plant.

And monuments to the Red Army are taken down across Europe.

**THU 07:00 BBC News (w172ykq7496vqgg)**

The latest five minute news bulletin from BBC World Service.

**THU 07:06 Newsday (w172yf8nx95wc3w)**

Xinjiang Report: China says UN used false information

A long delayed UN report says the allegations of serious human rights abuses in China's Xinjiang region may constitute crimes against humanity. It found that reports of torture and sexual abuse at detention camps against Uighur Muslims are credible. However, China has dismissed the report as a "farce".

A team from the UN's nuclear watchdog is expected to visit the Russian-controlled Zaporizhzhia nuclear power plant.

And Serena Williams puts her retirement plans on hold as she makes it to the third round of the US Open.

**THU 08:00 BBC News (w172ykq7496vv6l)**

The latest five minute news bulletin from BBC World Service.

**THU 08:06 The Inquiry (w3ct39tf)**

Are nations doing enough to combat monkeypox?

Monkeypox is a virus that was first identified in the Democratic Republic of Congo and Nigeria in the 1970s. Since then it has appeared around the world. More concerning is that the virus appears to be evolving and there are some unusual symptoms.

The world has known about monkeypox for decades. Why is it spreading again now? How serious is the current outbreak?

This week on The Inquiry we ask, are nations doing enough to combat monkeypox?

Contributors:

Prof Dimie Ogoina, Infectious Disease Physician at the Niger Delta University Teaching Hospital, Nigeria, Professor of Medicine and Infectious Diseases at the Niger Delta University and Chief Medical Director of the NDUTH and the President of the Nigerian Infectious Diseases Society

Jason Cianiottio, Vice President of Communications and Policy at Gay Men's Health crisis in New York

Dr Boghuma Titanji, Assistant Professor of medicine at Emory University in Atlanta

(Image: monkeypox lesions, Getty Images)

**THU 08:30 BBC News Summary (w172ykr110tk6gz)**

The latest two minute news summary from BBC World Service.

**THU 08:32 Business Daily (w3ct3124)**

Using less gas in our homes

The Netherlands has long been almost totally reliant on gas to heat people's homes. But as Europe tries to wean itself off domestic gas, something made more urgent by the Russian invasion of Ukraine and by soaring energy prices, the country is trying to lead the way in tackling the necessary energy transition.

Matthew Kenyon hears from Michaela Holl of think-tank Agora Energiewende on the Netherlands' political strategy and from Energiesprong's Sanne de Wit about their innovative approach to renovation.

The Hague City Council's Astrid Kennis talks about what we can all do in our homes to improve insulation and pay for the work that's necessary. And Ruben Buna Heslinga, of Dutch housing corporation Mitros, talks about a current renovation project in Utrecht. We also hear from Lesley, a tenant in one of the newly refashioned buildings, on what she expects of her energy bills now.

Presenter / producer: Matthew Kenyon

Image: an apartment block in Utrecht being renovated to meet new environmental standards; Credit: Matthew Kenyon

**THU 08:50 Witness History (w3ct3c1f)**

Mikhail Gorbachev - Perestroika

Mikhail Gorbachev, the last leader of the Soviet Union, has died aged 91.

Gorbachev came to power in 1985 at a time when the Soviet economy was on the brink of collapse. He introduced a radical reform programme called Perestroika.

25 years on from Perestroika, in 2012, Louise Hidalgo spoke to three people who remembered those exciting days in Moscow.

(Photo: Mikhail Gorbachev (centre right) meets with participants of the Warsaw Pact Foreign Ministers' Committee in Moscow on March 25, 1987 Credit: AFP / Getty Images)

**THU 09:00 BBC News (w172ykq7496vyyq)**

The latest five minute news bulletin from BBC World Service.

**THU 09:06 Assignment (w3ct3041)**

[Repeat of broadcast at 02:32 today]

**THU 09:30 BBC News Summary (w172ykr110tkb73)**

The latest two minute news summary from BBC World Service.

**THU 09:32 Health Check (w3ct32wv)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 10:00 BBC News (w172ykq7496w2pv)**

The latest five minute news bulletin from BBC World Service.

**THU 10:06 The Forum (w3ct38st)**

Brazil's Palmares: A beacon of freedom

As Brazil celebrates 200 years of independence from Portugal, we look at the 17th-century community of people seeking freedom from slavery in the north-east of the country known as Palmares. It lasted longer and was larger than other settlements of this type and it withstood repeated attempts by European colonialists to destroy it.

So how did Palmares keep going for over a century when so many other communities like it in Latin America vanished after a few years?

Who were the inhabitants? And what do we really know about them when there is no reliable history of the settlements: almost all the surviving documents are from people intent on destroying Palmares.

To help us sift through what we do know about Palmares,

Bridget Kendall is joined by archaeologist Professor Pedro Paulo Funari from the University of Campinas in Brazil; Dr. José Lingna Nafafé, Senior Lecturer in Portuguese and Lusophone Studies at Bristol University; and Dr. Maria Fernanda Escallon, Assistant Professor in the Department of Anthropology at the University of Oregon. The reader is Natan Barreto.

(Photo: The monument to Zumbi, leader of Palmares, in Rio de Janeiro, Brazil. Credit: Yasuyoshi Chiba/Getty Images)

**THU 10:50 Sporting Witness (w3ct36fz)**  
Ben Johnson

In 1988, the Canadian sprinter Ben Johnson was disqualified 48 hours after winning the Olympic 100 metre final and setting a new world record. It was one of the biggest doping scandals in the history of sport. Simon Watts introduces Ben Johnson interviews from the BBC archives.

(Getty: Ben Johnson wins the 100 metres final at the Seoul Olympics)

**THU 11:00 BBC News (w172ykq7496w6fz)**  
The latest five minute news bulletin from BBC World Service.

**THU 11:06 The Newsroom (w172yl7vjpkvk2c)**  
The world's Newsroom brings you global events as they happen

**THU 11:30 BBC News Summary (w172ykr110tkkqc)**  
The latest two minute news summary from BBC World Service.

**THU 11:32 The Food Chain (w3ct38n9)**  
[Repeat of broadcast at 04:32 today]

**THU 12:00 BBC News (w172ykq7496wb63)**  
The latest five minute news bulletin from BBC World Service.

**THU 12:06 Outlook (w3ct34wg)**  
My hunt for Rodriguez, a missing music legend

Stephen 'Sugar' Segerman's nickname came from the song Sugar Man by the American singer Rodriguez. In 1970s South Africa, Rodriguez was a household name as his anti-establishment lyrics resonated with many of those opposed to the strict apartheid state. Sugar, a Cape Town record shop owner, was one of his adoring fans. Very little was known about Rodriguez, apart from that he was dead; rumour had it that he'd killed himself during an unsuccessful concert. But years later, when Sugar decided to find out that had happened to him, he uncovered something astonishing.

Get in touch: outlook@bbc.com

Presenter: Emily Webb  
Producer: Emily Webb and Emily Naylor

(Photo: Rodriguez performing on stage. Credit: Elena Di Vincenzo/Archivio Elena di Vincenzo/Mondadori Portfolio via Getty Images)

**THU 12:50 Witness History (w3ct3c1f)**  
[Repeat of broadcast at 08:50 today]

**THU 13:00 BBC News (w172ykq7496wfy7)**  
The latest five minute news bulletin from BBC World Service.

**THU 13:06 The Newsroom (w172yl7vjpkvskm)**  
The world's Newsroom brings you global events as they happen

**THU 13:30 BBC News Summary (w172ykr110tk16m)**  
The latest two minute news summary from BBC World Service.

**THU 13:32 Health Check (w3ct32vv)**  
[Repeat of broadcast at 20:32 on Wednesday]

**THU 14:00 BBC News (w172ykq7496wkp)**  
The latest five minute news bulletin from BBC World Service.

**THU 14:06 Newshour (w172yfc47gzz3mn)**  
UN report says China may have committed crimes against humanity

UN report accuses China of human rights abuses in Xinjiang which may constitute crimes against humanity -- including

arbitrary detention, forced labour and rape.

Also in the programme: IAEA team reaches Zaporizhzhia nuclear plant; and British Vogue's editor.

(Picture: A motorcade transporting the International Atomic Energy Agency (IAEA) expert mission arrives at the Zaporizhzhia Nuclear Power Plant, Ukraine. Credit: REUTERS/Alexander Ermochenko)

**THU 15:00 BBC News (w172ykq7496wpfh)**  
The latest five minute news bulletin from BBC World Service.

**THU 15:06 The Inquiry (w3ct39tf)**  
[Repeat of broadcast at 08:06 today]

**THU 15:30 BBC News Summary (w172ykr110d1pw)**  
The latest two minute news summary from BBC World Service.

**THU 15:32 World Business Report (w172yk6d2d75qk)**  
Sri Lanka set for economic bailout

The IMF has provisionally agreed a \$2.9 billion loan deal to save Sri Lanka from collapse.

The country's economy tanked in April, sparking a wave of fuel and food shortages, hyperinflation and political upheaval. Although the deal isn't complete, many citizens believe it will be a lifeline. Shiromay Coomara, a travel business owner, is optimistic for the future. However, IMF fellow and Sri Lanka think tank chief Dr Paikiasothy Saravanamuttu says there's a long road ahead.

We're joined by Pakistan's Finance Minister, Miftah Ismail, as the country deals with another devastating flood.

Emma Wall from Hargreaves Lansdown looks at the day's markets.

We're also asking if European shoppers are ready to embrace Alibaba, as the Chinese platform aims to grow its western consumer base. Shopping expert Catherine Shuttleworth looks into the retailer's latest strategy.

(Picture: Despite the news of an IMF bailout, protests continue on the streets of Sri Lanka. Credit: Getty Images.)

**THU 16:00 BBC News (w172ykq7496wt5m)**  
The latest five minute news bulletin from BBC World Service.

**THU 16:06 BBC OS (w172yg1q0skb6jp)**  
Uyghurs: UN says China may have committed "crimes against humanity"

A new United Nations report says China has carried out serious human rights abuses in its western region of Xinjiang, using arbitrary detention, forced labour and forced sterilisation against the mostly Muslim Uyghur people. China denies the claims, and has urged the UN not to release the report - with Beijing calling it a "farce" arranged by Western powers. We explain who the Uyghur people are and we hear a conversation amongst Uyghurs.

UN nuclear inspectors have reached the Russian-held Zaporizhzhia power plant in Ukraine, after hours of delays because of shelling near the site. Russia and Ukraine accuse each other of trying to sabotage the mission. Our reporter in Ukraine brings us the latest developments.

And we also speak to families in Ukraine whose children have gone back to school today, in some cases returning to their classrooms for the first time since Russia invaded.

(Photo: Ethnic Uyghur demonstrators wearing masks take part in a protest against China near the Chinese consulate in Istanbul, Turkey July 5, 2022. Credit: Reuters/Murad Sezer)

**THU 17:00 BBC News (w172ykq7496wxxr)**  
The latest five minute news bulletin from BBC World Service.

**THU 17:06 BBC OS (w172yg1q0skbb8t)**  
Uyghurs: UN says China may have committed "crimes against humanity"

A new United Nations report says China has carried out serious human rights abuses in its western region of Xinjiang, using arbitrary detention, forced labour and forced sterilisation against the mostly Muslim Uyghur people. China denies the claims, and has urged the UN not to release the report - with Beijing calling it a "farce" arranged by Western powers. We explain who the Uyghur people are and we hear a conversation

amongst Uyghurs.

UN nuclear inspectors have reached the Russian-held Zaporizhzhia power plant in Ukraine, after hours of delays because of shelling near the site. Russia and Ukraine accuse each other of trying to sabotage the mission. Our reporter in Ukraine brings us the latest developments. And we also speak to families in Ukraine whose children have gone back to school today, in some cases returning to their classrooms for the first time since Russia invaded.

The south of Pakistan is braced for more floods, as a surge of water flows down the Indus river, compounding the devastation caused by extreme monsoon rains - that have already left a third of the country completely submerged. More than eleven hundred people have died, and millions have been displaced, in what the UN has called a 'climate catastrophe'. We speak to a paediatric doctor who has been helping people in a displacement camp in Sindh province.

(Photo: Ethnic Uyghur demonstrators wearing masks take part in a protest against China near the Chinese consulate in Istanbul, Turkey July 5, 2022. Credit: Reuters/Murad Sezer)

**THU 18:00 BBC News (w172ykq7496x1nw)**  
The latest five minute news bulletin from BBC World Service.

**THU 18:06 Outlook (w3ct34wg)**  
[Repeat of broadcast at 12:06 today]

**THU 18:50 Witness History (w3ct3c1f)**  
[Repeat of broadcast at 08:50 today]

**THU 19:00 BBC News (w172ykq7496x5f0)**  
The latest five minute news bulletin from BBC World Service.

**THU 19:06 The Newsroom (w172yl7vjpkw1d)**  
The world's Newsroom brings you global events as they happen

**THU 19:30 BBC News Summary (w172ykr110d1pd)**  
The latest two minute news summary from BBC World Service.

**THU 19:32 Sport Today (w172ygfll305pcx)**  
2022/09/01 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 (w172ykq7496x954)**  
The latest five minute news bulletin from BBC World Service.

**THU 20:06 Assignment (w3ct3041)**  
[Repeat of broadcast at 02:32 today]

**THU 20:30 BBC News Summary (w172ykr110thfj)**  
The latest two minute news summary from BBC World Service.

**THU 20:32 Science In Action (w3ct369g)**  
The China heatwave and the new normal

Hot on the tail of China's heatwave comes the other side of the extreme coin - tragic flooding. Also, a coming global shortage of sulfur, while scientists produce useful oxygen on Mars in the MOXIE experiment.

Prof Chunzai Wang is the Director of the State Key Laboratory of Tropical Oceanography in Guangzhou, China. He tells Roland about the surprising nature of the extreme temperatures and droughts much of China has been experiencing, and how they are connected to so many of the record-breaking weather events around the northern hemisphere this summer, including the tragic flooding in Pakistan.

Some people of course saw this coming. Richard Betts of the UK Met Office talks of a paper by one of his predecessors published 50 years ago exactly that pretty much predicted the greenhouse gas-induced climate change more or less exactly.

Clearly, the world needs to cut carbon emissions, and oil and coal would be sensible places to start. But as Prof Mark Maslin points out, this will come with its own consequences in terms of pressure on the industrial supply of sulfur and sulfuric acid, essential to so many other devices and processes. Can a shortage be averted?

And scientists working on Nasa's Mars Perseverance team report more results this week. Alongside all the sensitive

World Service Listings for 27 August – 2 September 2022		Page 15 of 17
<p>instrumentation aboard, an experiment known as MOXIE was somehow squeezed in to demonstrate the principle of electrolyzing Martian carbon dioxide to produce usable oxygen gas. As Michael Hecht explains, the tech is scalable and would be more or less essential to any viable human trip to Mars in the future.</p> <p>(Image: The Jialing River bed at the confluence with the Yangtze River is exposed due to drought in August 2022 in Chongqing, China. The water level of the Jialing River, one of the tributaries of the Yangtze River, has dropped due to high temperature and drought. Credit: Zhong Guilin/VCG via Getty Images)</p> <p>Presenter: Roland Pease Assistant Producer: Robbie Wojciechowski Producer: Alex Mansfield</p> <p><b>THU 21:00 BBC News (w172ykq7496xdx8)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 21:06 Newshour (w172yfc47gzzvyk)</b> Uighur Muslims: UN's China report does not go far enough</p> <p>The UN has accused China of serious human rights violations against Uighur Muslims, in a long- delayed report into allegations of abuse in the Xinjiang region. Also on the programme: the head of the UN nuclear agency says inspectors will remain at the Ukrainian nuclear plant threatened by shelling; and how Jackson, Mississippi, ended up without running water.</p> <p>(Photo: Activists in Jakarta protest against China's policy towards Uighurs; Credit: Reuters)</p> <p><b>THU 22:00 BBC News (w172ykq7496xjnd)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 22:06 The Inquiry (w3ct39tf)</b> [Repeat of broadcast at 08:06 today]</p> <p><b>THU 22:30 BBC News Summary (w172ykr110twsx)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 22:32 The Food Chain (w3ct38n9)</b> [Repeat of broadcast at 04:32 today]</p> <p><b>THU 23:00 BBC News (w172ykq7496xndj)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>THU 23:06 The Newsroom (w172yrwzp6xmng3)</b> The world's Newsroom brings you global events as they happen</p> <p><b>THU 23:20 Sports News (w172ygh7gk6krft)</b> BBC Sport brings you all the latest stories and results from around the world.</p> <p><b>THU 23:30 BBC News Summary (w172ykr110tm0nx)</b> The latest two minute news summary from BBC World Service.</p> <p><b>THU 23:32 World Business Report (w172yk76jk5yg3w)</b> What a strong dollar means for the rest of the world</p> <p>The US dollar, a long-time safe haven for investors, is reaching historic highs against emerging markets' currencies but also against big players like the Euro and the British pound. What impact is this having around the globe? We ask Steve Hanke, a professor of Applied Economics at the Johns Hopkins University, in Baltimore.</p> <p>Last year, the Premier League's summer transfer window stood at more than \$1.7bn. Will this record be beaten this year? We hear more from Tim Bridge, lead partner of Deloitte's Sports Business Group.</p> <p>The Swiss Guard, the elite force in charge of protecting the Pope and the Vatican, is recruiting to expand from 110 to 135 members. Only young Swiss Catholic men can apply, but is it a good career move? Andreas Widmer thinks so. He is a former Swiss guard and now the director of the Arthur &amp; Carlyse Ciocca Center for Principled Entrepreneurship at The Catholic University of America's Busch School of Business. He tells us why.</p> <p>Taro Kono, a government minister in Japan, is pushing for a purge of outdated technology. One of the first to go is the</p>	<p>floppy disk. But there are people who think otherwise and want to keep using devices that the younger generations had never seen in their life. We discuss with Kari Paul, a technology reporter for The Guardian US, what the appeal of vintage technology is.</p> <p>(Picture: The US currency rises to mid-139 yen level. Picture credit: EPA.)</p> <p><b>FRIDAY 02 SEPTEMBER 2022</b></p> <p><b>FRI 00:00 BBC News (w172ykq7496xs4n)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 00:06 The Forum (w3ct38st)</b> [Repeat of broadcast at 10:06 on Thursday]</p> <p><b>FRI 00:50 Sporting Witness (w3ct36fz)</b> [Repeat of broadcast at 10:50 on Thursday]</p> <p><b>FRI 01:00 BBC News (w172ykq7496xwvs)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 01:06 Business Matters (w172ydg052mxst4)</b> The global impact of a robust dollar</p> <p>As the dollar reaches historic highs against currencies in both emerging and developed markets, the chances of battling inflation rates shrink outside the United States. The Euro, the British pound, and the Japanese yen have depreciated at unprecedented this year. Steve Hanke, a professor of Applied Economics at the Johns Hopkins University, in Baltimore, explains the global fallout of a soaring dollar.</p> <p>The Premier League's summer transfer window has broken the record for the highest amount ever. We hear more from Tim Bridge, lead partner of Deloitte's Sports Business Group.</p> <p>Protecting the Pope and the Holy See has been the Swiss Guard's job for more than five centuries. Now, the institution is recruiting to grow from 110 to 135 members. While the minimum requirements can be very strict—they include being Swiss, male and Catholic—the position can be a great career move, says Andreas Widmer, a former Swiss guard turned a successful professor and businessman.</p> <p>A Japanese government minister wants to ban outdated technology, starting with the floppy disk. But devices unknown for the youngest still have some enthusiasts, as Kari Paul, a technology reporter for The Guardian US, tells us.</p> <p>Roger Hearing is joined throughout the programme by guests in opposite sides of the world: Paddy Hirsch, contributing editor for NPR in Los Angeles, and Kanwal Malik, a serial entrepreneur and real estate investor based in Karachi, Pakistan.</p> <p>(Picture: US dollar stock picture. Picture credit: Getty.)</p> <p><b>FRI 02:00 BBC News (w172ykq7496y0mx)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 02:06 The Newsroom (w172yl7vpjpkxc89)</b> The world's Newsroom brings you global events as they happen</p> <p><b>FRI 02:30 BBC News Summary (w172ykr110tmcx9)</b> The latest two minute news summary from BBC World Service.</p> <p><b>FRI 02:32 World Football (w3ct3bhqj)</b> The lowdown on Brazilian Antony</p> <p>Former São Paulo executive director Alexandre Passaro discusses Manchester United's new signing Antony and gives an insight into the Brazilian winger's character. And history has been made in Iran because for the first time in 41 years, women were allowed into a stadium to watch a league match. We hear from one of those female Esteghlal fans, Maryam.</p> <p>Picture of website:</p> <p><b>FRI 03:00 BBC News (w172ykq7496y4d1)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 03:06 Outlook (w3ct34wg)</b> [Repeat of broadcast at 12:06 on Thursday]</p> <p><b>FRI 03:50 Witness History (w3ct3c1f)</b></p>	<p>[Repeat of broadcast at 08:50 on Thursday]</p> <p><b>FRI 04:00 BBC News (w172ykq7496y845)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 04:06 The Newsroom (w172yl7vpjpkxlrk)</b> The world's Newsroom brings you global events as they happen</p> <p><b>FRI 04:30 BBC News Summary (w172ykr110tmmdk)</b> The latest two minute news summary from BBC World Service.</p> <p><b>FRI 04:32 Heart and Soul (w3ct3hh9)</b> From Hong Kong to the UK</p> <p>BBC Hong Kong reporter Danny Vincent hears from Christian migrants who have fled the territory for a new life in the UK. Many of the people Danny hears from are speaking about their experiences for the first time. A large number of Christians have made the difficult decision to leave Hong Kong after the introduction of a controversial national security law, which critics say is eroding freedoms in Hong Kong. Danny also meets their friends and family who have been left behind, the Christians still worshipping in Hong Kong.</p> <p>Hong Kong was a British colony for 156 years until it was returned to Chinese control on 1 July, 1997. China formed the special administrative region of Hong Kong, which had maintained governance and economic systems separate from those of China's communist regime.</p> <p>Around 600 UK churches of different denominations have signed up to be "Hong Kong Ready", welcoming Christians from Hong Kong into their church communities. One in 10 of new arrivals is estimated to be Christian.</p> <p>(Photo: Jimmy Lai. Credit: Danny Vincent)</p> <p><b>FRI 05:00 BBC News (w172ykq7496ycw9)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 05:06 Newsday (w172yf8nx95z0jq)</b> President Biden says 'Maga supporters' are extremists</p> <p>US President Joe Biden takes aim at his predecessor, saying Donald Trump and those who support his Make America Great Again agenda are extremists carrying out an assault on America's democracy.</p> <p>We'll get the latest from the frontline in Ukraine, where Ukrainian troops are trying to retake territory the Russians took at the outset of the war.</p> <p>Also, we'll head to Argentina, where authorities say the vice president Cristina Fernandez de Kirchner has survived an assassination attempt.</p> <p><b>FRI 06:00 BBC News (w172ykq7496yhmf)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 06:06 Newsday (w172yf8nx95z48v)</b> President Biden says 'Make America Great Again' supporters threaten democracy</p> <p>President Biden says supporters of Donald Trump's 'Make America Great Again' agenda are extremists who are a threat to democracy.</p> <p>A team from the UN's nuclear watchdog has carried out an initial inspection of the Russian held Zaporizhzhia power plant in Ukraine, despite earlier shelling nearby. We will ask what came out of it.</p> <p>Also in the programme, we hear more about a newly discovered fossil of a long-necked dinosaur thought to have roamed earth 230 million years ago, which was found in Zimbabwe.</p> <p><b>FRI 07:00 BBC News (w172ykq7496ymck)</b> The latest five minute news bulletin from BBC World Service.</p> <p><b>FRI 07:06 Newsday (w172yf8nx95z80z)</b> 'Maga forces are determined to take this country backwards' says US President Joe Biden</p> <p>US President Joe Biden takes aim at his predecessor, saying Donald Trump and those who support his Make America Great Again agenda are extremists carrying out an assault on America's democracy.</p> <p>We'll head to Argentina, where the authorities say the vice</p>
Supported by <a href="https://bbc.co.uk/programmes/">bbc.co.uk/programmes/</a>		

president Cristina Fernandez de Kirchner has survived an assassination attempt.

Also in the programme, we'll speak to a woman who spent nine months in a Chinese detention camp.

#### **FRI 08:00 BBC News (w172ykq7496yr3p)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 08:06 HARDtalk (w3ct32g9)**

Tova Friedman: Learning from history

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

#### **FRI 08:30 BBC News Summary (w172ykr110tn3d2)**

The latest two minute news summary from BBC World Service.

#### **FRI 08:32 Business Daily (w3ct30s3)**

Business Daily meets: Bruce Daisley

Do people who use social media need to be more resilient? That's the question Sam Fenwick asks former Twitter executive, Bruce Daisley. For eight years he ran Twitter's business in Europe, the Middle East and Africa. He then became a writer and consultant on better working practices. In his latest book, *Fortitude: Unlocking the Secrets of Inner Strength*, he examines what makes people resilient.

Bruce Daisley was staying with relatives in Beirut the day of the chemical explosion in 2020. In the aftermath he heard much talk of the 'resilience' of the Lebanese people. But when he heard someone say, 'We don't want to be resilient. We just want to live!', it got him thinking about what resilience really is and how individuals can achieve it.

Presenter: Sam Fenwick

(Photo: Bruce Daisley with kind permission)

#### **FRI 08:50 Witness History (w3ct3bwX)**

Mikhail Gorbachev: Release of Irina Ratushinskaya

Mikhail Gorbachev - the last leader of the Soviet Union - has died aged 91. On the eve of an important summit on nuclear disarmament between the Soviet Union and America in October 1986, Gorbachev ordered the release of a dissident poet called Irina Ratushinskaya.

In 2012, Louise Hidalgo spoke to Irina about her imprisonment, her poetry, and the day she was set free.

(Photo: Irina and her husband Igor, arriving in London in December 1986. Credit: Topfoto)

#### **FRI 09:00 BBC News (w172ykq7496yvv)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 09:06 Tech Tent (w3ct375k)**

India's high speed broadband revolution

On Tech Tent this week, we hear about India's ambitions to build the world's fastest 5G network - and why WhatsApp is launching a grocery shopping service there. British regulators take a dim view of Microsoft's plan to buy Activision Blizzard. We ask young people what the appeal of BeReal is. And we meet the talking, humanoid robot helping children open up about how they really feel.

#### **FRI 09:30 BBC News Summary (w172ykr110tn746)**

The latest two minute news summary from BBC World Service.

#### **FRI 09:32 Science In Action (w3ct369g)**

[Repeat of broadcast at 20:32 on Thursday]

#### **FRI 10:00 BBC News (w172ykq7496yzly)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 10:06 The Real Story (w3ct33pc)**

Are sanctions on Russia working?

It's been six months since the West imposed an array of sanctions on Russia after its invasion of Ukraine. Around half of Russia's \$640 billion worth of foreign exchange and gold reserves have been frozen, major Russian banks have been barred from the international financial messaging system Swift, the selling of key technology to the country has been prohibited, and the assets of some wealthy individuals have been seized. But Europe is still buying large amounts of Russian gas, a commodity it depends on to keep its citizens warm and its industries running. So, what are the main aims of the sanctions regime? Are the measures working or is Russia finding new ways around restrictions? And what does the future hold for an economy that's increasingly cut off from major world markets?

Ritula Shah is joined by a panel of expert guests.

Producers: Rozita Riazati and Paul Schuster.

#### **FRI 11:00 BBC News (w172ykq7496z3c2)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 11:06 The Newsroom (w172yl7vjpkpfzg)**

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

#### **FRI 11:30 BBC News Summary (w172ykr110tnmg)**

The latest two minute news summary from BBC World Service.

#### **FRI 11:32 World Football (w3ct3hqj)**

[Repeat of broadcast at 02:32 today]

#### **FRI 12:00 BBC News (w172ykq7496z736)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 12:06 The Fifth Floor (w3ct37zn)**

Reporting Pakistan's floods

BBC Urdu's team of reporters has travelled across Pakistan to report on the impact of the recent floods, which have killed more than 1,200 people and displaced many more. Umer Draz Nangiana went to Rajanpur in southern Punjab to meet the farmers who've lost their homes and crops.

Egypt gets serious about dominoes

In Egypt dominoes is mostly an old-fashioned game played by men in local cafes. But now the Minister of Youth and Sports wants to give it a new image and get Egyptians competing at international level. BBC Arabic's Aya Hashim, herself a player, attended the country's first national dominoes championship.

"Small eating" in South Korea

"Mukbang" videos became famous in South Korea with viewers watching hosts eat enormous quantities of food online. But now it's being challenged by "small eating," showing people apparently full after eating only a small bite. So what's behind the change, and is it any healthier? BBC Korean's Yuna Ku finds out.

Watermelons in Ukraine

Why have watermelons become a symbol of Ukrainian resistance? BBC Monitoring journalist Margaryta Maliukova remembers watermelons from Kherson, and unpicks the watermelon-based social media memes.

Colombia's new anti-drugs proposals

The newly elected left-wing president of Colombia has proposed an overhaul of the country's anti-drugs policy, ending the US-supported 'war on drugs'. Gustavo Petro wants to stop the eradication of coca crops and the extradition to the US of traffickers, as Luis Fajardo of BBC Monitoring explains.

American Uzbeks and the American Dream

Ibrat Safo of BBC Uzbek has travelled across the United States to make a documentary series about Uzbeks who've made new lives in America. He tells us about the stories and dreams he discovered, from pursuing business success, to finding religious freedom, to becoming the person you want to be.

(Photo: Floods in South Punjab Pakistan. Credit: BBC)

#### **FRI 12:50 Witness History (w3ct3bwX)**

[Repeat of broadcast at 08:50 today]

#### **FRI 13:00 BBC News (w172ykq7496zbvb)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 13:06 The Newsroom (w172yl7vjpkypgq)**

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

#### **FRI 13:30 BBC News Summary (w172ykr110tnq3q)**

The latest two minute news summary from BBC World Service.

#### **FRI 13:32 Science In Action (w3ct369g)**

[Repeat of broadcast at 20:32 on Thursday]

#### **FRI 14:00 BBC News (w172ykq7496zlg)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 14:06 Newshour (w172yfc47h020jr)**

Argentina's vice president narrowly escapes assassination

Argentina's vice president Cristina Fernandez de Kirchner has narrowly escaped an assassination attempt after a gunman's weapon failed to fire. In light of the incident, Friday has been declared a national holiday.

Also on the programme: floods in Pakistan have devastated crops, so how will the country make up for lost harvests? And the power of crustaceans: how shells might be able to save batteries.

(Photo: Argentine Vice President Cristina Fernandez de Kirchner greets supporters gathered outside the National Congress. Credit: Agustin Marcarian/Reuters)

#### **FRI 15:00 BBC News (w172ykq7496zbl)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 15:06 HARDtalk (w3ct32g9)**

[Repeat of broadcast at 08:06 today]

#### **FRI 15:30 BBC News Summary (w172ykr110tnylz)**

The latest two minute news summary from BBC World Service.

#### **FRI 15:32 World Business Report (w172yk339x5kvxh)**

US jobs growth continues

US employers added 315,000 jobs in August in the latest figures, despite a jump in unemployment. We ask KPMG's chief economist Diane Swonk what this could mean for the country's economy.

Australia says it's raising its cap on permanent migration for the first time in a decade to try to attract more workers. So where have all the workers gone? The BBC's Phil Mercer offers some answers.

Germany's national airline, Lufthansa, has been forced to cancel hundreds of flights after its pilots went on strike over what they call an inadequate pay offer. Travel journalist Jill Starley-Grainger explains the impacts and arguments of the strike.

China's reopening it's border to foreign students for the first time in more than two years. Richard Coward, who runs a business helping international students apply to Chinese Universities, explains the value of it.

(Picture credit: Workers fabricating metal in factory - stock photo. Don Mason / Getty Images)

#### **FRI 16:00 BBC News (w172ykq7496zq2q)**

The latest five minute news bulletin from BBC World Service.

#### **FRI 16:06 BBC OS (w172yg1q0skf3fs)**

Pakistan floods: Food shortages

There are now fears of acute food shortages in Pakistan as aid workers battle to get to millions of people in need. We hear more stories about the devastation, and speak to two young activists who are trying to raise awareness about climate change.

Russia says it will allow international inspectors to remain permanently at the nuclear plant it occupies in eastern Ukraine. We get today's developments from our correspondent in the capital.

Argentina's vice-president has narrowly avoided assassination after a gunman's weapon jammed as he aimed at her. We speak to a local reporter.

We find out why the term "quiet quitting" is such a big discussion on Tik Tok and other social media and speak to people who are doing it in their own lives.

(Photo: lood victims reach out for food aid, while taking refuge on higher ground, following rains and floods during the monsoon season in Jhangara village in Sehwan, Pakistan September 1, 2022. Credit: Yasir Rajput/Reuters)

#### **FRI 17:00 BBC News (w172ykq7496zttv)**

The latest five minute news bulletin from BBC World Service.



**FRI 17:06 BBC OS (w172yg1q0skf75x)**

G7 agrees to impose price cap on Russian oil

The G7 group of countries has agreed to impose a price cap on Russian oil to try to reduce the revenues funding President Putin's invasion of Ukraine. Our business reporter explains.

A Russian envoy has said inspectors from the UN's nuclear watchdog will be allowed to remain permanently at Ukraine's Zaporizhzhia power plant. Our Security Correspondent joins us from the city of Zaporizhzhia.

There are now fears of acute food shortages in Pakistan as aid workers battle to get to millions of people in need. We hear more stories about the devastation, and speak to two young activists who are trying to raise awareness about climate change.

A swimming cap designed specifically for athletes with afro hair has been approved to be used in top-level competitions. We speak to the British Olympic swimmer Alice Dearing.

(Photo: A view shows the crude oil terminal Kozmino on the shore of Nakhodka Bay near the port city of Nakhodka, Russia August 12, 2022. Credit: Tatiana Meel/Reuters)

**FRI 18:00 BBC News (w172ykq7496zykz)**

The latest five minute news bulletin from BBC World Service.

**FRI 18:06 The Fifth Floor (w3ct37zn)**

[Repeat of broadcast at 12:06 today]

**FRI 18:50 Witness History (w3ct3bwx)**

[Repeat of broadcast at 08:50 today]

**FRI 19:00 BBC News (w172ykq749702b3)**

The latest five minute news bulletin from BBC World Service.

**FRI 19:06 The Newsroom (w172yl7vjpkydyh)**

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

**FRI 19:30 BBC News Summary (w172ykr110tpflh)**

The latest two minute news summary from BBC World Service.

**FRI 19:32 Sport Today (w172ygl308i90)**

2022/09/02 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 (w172ykq74970627)**

The latest five minute news bulletin from BBC World Service.

**FRI 20:06 Tech Tent (w3ct375k)**

[Repeat of broadcast at 09:06 today]

**FRI 20:30 BBC News Summary (w172ykr110tpkbn)**

The latest two minute news summary from BBC World Service.

**FRI 20:32 CrowdScience (w3ct3j7b)**

What happens to insects in the winter?

When CrowdScience listener Eric spotted a few gnats flying around on a milder day in mid-winter it really surprised him - Eric had assumed they just died out with the colder weather. It got him wondering where the insects had come from, how they had survived the previous cold snap and what the implications of climate change might be for insect over-wintering behaviour? So he asked CrowdScience to do some bug investigation.

CrowdScience presenter Marnie Chesterton takes up the challenge and heads out into the British countryside – currently teeming with buzzes and eight legged tiny beasts - to learn about the quite amazing array of tactics these small creatures use to survive the arduous days of cold.

She hears how some insects change their chemical structure to enhance their frost resistance whilst others hunker down in warmer microclimates or rely on their community and food stocks to keep them warm.

But cold isn't the only climatic change insects have to endure, in the tropics the seasons tend to fluctuate more around wet and dry so what happens then? Marnie talks with a Kenyan aquatic insect expert who describes how mosquitoes utilise the rains and shares his worry climate change could have a big impact on insect populations.

**Contributors:**

Dr Erica McAlister – Entomologist and Senior Curator, Natural History Museum,  
Dr Adam Hart – Entomologist and Professor of Science Communication - University of Gloucestershire  
Fran Haidon – Beekeeper  
Laban Njoroge – Entomologist, head of the Invertebrate Zoology – Museum of Kenya  
Dr Natalia Li – Biochemist

Presenter: Marnie Chesterton

Producer: Melanie Brown

[Image: Butterfly in winter resting on snow covered branch.  
Credit: Getty Images]

**FRI 21:00 BBC News (w172ykq749709tc)**

The latest five minute news bulletin from BBC World Service.

**FRI 21:06 Newshour (w172yfc47h02vrn)**

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

**FRI 22:00 BBC News (w172ykq74970fkh)**

The latest five minute news bulletin from BBC World Service.

**FRI 22:06 HARDtalk (w3ct32g9)**

[Repeat of broadcast at 08:06 today]

**FRI 22:30 BBC News Summary (w172ykr110tpstw)**

The latest two minute news summary from BBC World Service.

**FRI 22:32 World Football (w3ct3hqj)**

[Repeat of broadcast at 02:32 today]

**FRI 23:00 BBC News (w172ykq74970k9m)**

The latest five minute news bulletin from BBC World Service.

**FRI 23:06 The Newsroom (w172yrwzp6xqkc6)**

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

**FRI 23:20 Sports News (w172ygh7gk6nnbx)**

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

**FRI 23:30 BBC News Summary (w172ykr110tpxl0)**

The latest two minute news summary from BBC World Service.

**FRI 23:32 World Business Report (w172yk3xrms949t)**

First broadcast 02/09/2022 22:32 GMT

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