

SATURDAY 17 SEPTEMBER 2022

SAT 00:00 BBC News (w172ykq7vtvkz8f)

The latest five minute news bulletin from BBC World Service.

SAT 00:06 The Documentary (w3ct42s7)

The Queen and her People

As part of BBC World Service's series of programmes marking the death of Her Majesty Queen Elizabeth II, Tuppence Middleton introduces a reflection – through contemporary contributions and many archive recordings – of the close relationship her subjects and people round the world had with the late monarch.

From her earliest days, Her Majesty saw it as her duty to reach out to those who were in need. The victims of flood and disaster, conflict and – in her later years disease during the Covid pandemic all were offered Her Majesty's kindness and compassion.

But many of her encounters with the public were joyous, such as during her many royal tours and jubilee celebrations. And – given her ready wit and sense of irony – were often very amusing.

With contributions from former Governor-General of Canada, David Johnston, former Speaker of the British House of Commons, Baroness Boothroyd, Admiral Lord West who was head of the Royal Navy and Lady Scotland, Secretary-General of the Commonwealth. Archive recordings by President Nelson Mandela, Sir Sridath Ramphal and many others tell the story of a lifetime of warm and reciprocal affection and compassion between The Queen and her People.

SAT 01:00 BBC News (w172ykq7vtvl30k)

The latest five minute news bulletin from BBC World Service.

SAT 01:06 Business Matters (w172yq0wm8kxxx)

Uber's computer systems are hacked

The ride-hailing company said it was responding to a 'cybersecurity incident' and that several internal systems had been affected. Margi Murphy is cybersecurity reporter at Bloomberg News and updates us on the story.

Why do we have such an attachment to some of our favourite brands? We know brand loyalty is a marketing executive's dream - but how have some of our kitchen cupboards seemingly become even more than that - more like old friends? The BBC's Dave Reid investigates.

The UK competition authority has intervened after Facebook parent company Meta applied to buy out the gif platform Giphy. Technology reporter Ryan Broderick gives us the background.

Will Bain is joined throughout the programme by Tony Nash, founder of the AI firm Complete Intelligence, in Houston, Texas and by Shuli Ren, Bloomberg Opinion reporter in Hong Kong.

(Picture: Uber logo on a car. Credit: Getty Images)

SAT 02:00 BBC News (w172ykq7vtvl6rp)

The latest five minute news bulletin from BBC World Service.

SAT 02:06 The Newsroom (w172yl7w876kdd2)

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

SAT 02:30 BBC News Summary (w172ykr29kg8l12)

The latest two minute news summary from BBC World Service.

SAT 02:32 Stumped (w3ct3713)

'I taught the DRS system to the Queen'

On this week's episode of Stumped with Alison Mitchell, Jim Maxwell and Charu Sharma, we remember Queen Elizabeth II, the UK's longest-serving monarch, who died at Balmoral aged 96, after reigning for 70 years.

We hear from the former England captain Charlotte Edwards, who shares her memories of meeting Her Majesty the Queen and how she taught the Queen all about the decision review system.

Former Indian wicket-keeper Farokh Engineer also tells us his unique experience of when the Queen revealed his wife had given birth to a baby daughter.

We also discuss Sri Lanka's surprise Asia Cup win following their victory over Pakistan in the final.

Photo: South Africa huddle during Day Four of the Third LV= Insurance Test Match between England and South Africa at The

Kia Oval on September 11, 2022 in London, England. (Credit: Getty Images for Surrey CCC)

SAT 03:00 BBC News (w172ykq7vtvlbht)

The latest five minute news bulletin from BBC World Service.

SAT 03:06 The Fifth Floor (w3ct37zq)

Global perspectives on the death of Queen Elizabeth II

Today we take a global perspective on the news of the death of Queen Elizabeth II.

We hear about some of the affectionate names by which the Queen was known by around the world, from 'Dear Granny' to 'Boss Lady', with BBC Burmese's Soe Win Than, BBC Africa Southern Africa Correspondent Pumza Filhani and BBC Chinese's Vivien Wong.

Presenter Irena Taranyuk speaks to language service colleagues about the unique perspectives and relationships their audiences and countries have with the British monarchy, and how this has shaped their coverage. With BBC Chinese Editor Howard Zhang, BBC Vietnamese Editor Giang Nguyen, BBC Thai's Issariya Praithongyaem and Iranian Ali Hamedani.

We also explore some of the controversial issues re-ignited by the Queen's death, regarding Britain's post colonial legacy and the future of the Commonwealth. With BBC Monitoring in Nairobi's Beverly Ochieng, BBC Hausa's Fauziyya Tukur, Masud Khan from BBC Bengali.

Photo: Global newspapers after Queen Elizabeth II died on September 8th.

Credit: Jaber Abdulkhaleg/Anadolu Agency via Getty Images

SAT 03:50 Witness History (w3ct3bwz)

The last days of Queen Victoria

Queen Victoria died on 22 January 1901. In this programme from 2010, Claire Bowes looks back on the monarch's last days.

She speaks to the author Tony Rennell and hears recollections from the BBC archive.

(Photo: Queen Victoria. Credit: BBC/Public Domain)

SAT 04:00 BBC News (w172ykq7vtvlg7y)

The latest five minute news bulletin from BBC World Service.

SAT 04:06 The Documentary (w3ct42s7)

[Repeat of broadcast at 00:06 today]

SAT 05:00 BBC News (w172ykq7vtvl002)

The latest five minute news bulletin from BBC World Service.

SAT 05:06 The Newsroom (w172yl7w876kxmg)

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

SAT 05:30 BBC News Summary (w172ykr29kg8y8g)

The latest two minute news summary from BBC World Service.

SAT 05:32 World of Wisdom (w3ct2zwp)

Relationships with mothers

Our mothers are at the heart of who we are, whether they are in our lives or not, but this fundamental relationship can be very challenging, with wounds that can last a lifetime. Lucia, from Mexico, asks Buddhist nun Sister Dang Nghiem, how she can find peace with her mother even though they have a difficult relationship. Sister Dang speaks about healing from events that happen during childhood and how a cycle of suffering between parent and child can be broken.

Presenter: Sana Safi
Producer: Ruth Edwards and Charlie Taylor

SAT 05:50 More or Less (w3ct3k55)

How bad is fashion for the environment?

Is fashion really the second most polluting industry after oil and does it account for 10% of greenhouse gas emissions? Sustainable fashion journalist Alden Wicker does some fashion fact checking with Adam Fleming, presenter of BBC podcast and Radio 4 programme Antisocial. And reporter Charlotte McDonald revisits a claim made in an edition of More or Less last month about the effectiveness of using condoms as a form of contraception.

Presenter: Tim Harford

Producer: Jon Bithrey
Editor: Richard Vadon
Production Coordinator: Jacqui Johnson
Sound Engineer: Rod Farquhar

(Image: Models display outfits / BBC images/Susana Vera/Reuters)

SAT 06:00 BBC News (w172ykq7vtvlpr6)

The latest five minute news bulletin from BBC World Service.

SAT 06:06 Weekend (w172ykwllv2613f)

Ukraine war: Mass exhumations at Izyum forest graves site

Investigators exhume graves in the recaptured city of Izyum in eastern Ukraine.

Also, has the war in Ukraine changed the 'no limits' relationship between China and Russia?

Plus, as people in the UK continue to queue to pay their respects to the late Queen Elizabeth, we examine her legacy abroad.

Joining Paul Henley to discuss these and other issues are Anand Menon, Professor of European Politics and Foreign Affairs at King's College London, and founder and director of UK in a Changing Europe, a research organisation on UK-EU relations; and Colleen Graffy, a former United States Deputy Assistant Secretary of State and now an associate professor of law at Pepperdine University's Caruso Law School in the US.

(Image: Ukrainian authorities exhume bodies of people killed in Izyum city in Ukraine after the withdrawal of Russian Forces. Credit: Metin Aktas/Anadolu Agency via Getty Images)

SAT 07:00 BBC News (w172ykq7vtvlthb)

The latest five minute news bulletin from BBC World Service.

SAT 07:06 Weekend (w172ykwllv264vk)

Ukraine war: Mass exhumations at Izyum forest graves site

As the authorities in Ukraine try to establish the causes of death of hundreds of people whose bodies are being exhumed, we speak to Eugene Enin, Ukraine's First Deputy Interior Minister.

Also, President Putin says Ukraine's counter-offensive will not change Russia's war plans. But is the mood among ordinary Russians changing?

And we speak to the art historian, Katy Hessel, who's shining a spotlight on all women artists who've been kept out of history books.

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(Image: Ukrainian authorities exhume bodies of people killed in the city of Izyum, Ukraine. Credit: Metin Aktas/Anadolu Agency via Getty Images)

SAT 08:00 BBC News (w172ykq7vtvly7g)

The latest five minute news bulletin from BBC World Service.

SAT 08:06 Weekend (w172ykwllv268lp)

Ukraine counter-offensive won't change Russia's plans – Putin

As Ukraine looks for answers to mass killings in the recaptured city of Izyum, we hear from Serhiy Leshenko who advises President Zelensky.

And Britons pay their last respects to the Queen... and ponder what comes next.

Joining Paul Henley to discuss these and other issues are Anand Menon, Professor of European Politics and Foreign Affairs at King's College London, and founder and director of UK in a Changing Europe, a research organisation on UK-EU relations; and Colleen Graffy, a former United States Deputy Assistant Secretary of State and now an associate professor of law at Pepperdine University's Caruso Law School in the US.

(Image: Ukrainian servicemen search for land mines at a burial site in a forest on the outskirts of Izyum, eastern Ukraine. Credit: JUAN BARRETO/AFP via Getty Images)

SAT 08:30 BBC News Summary (w172ykr29kg99hv)

The latest two minute news summary from BBC World Service.

SAT 08:32 The Conversation (w3ct37mc)

The women of flamenco

Flamenco is a complex Spanish artform that includes music, singing and dancing. People often associate it with expressive female dancers - but what role do women actually play in flamenco?

Rosamaria Kostic Cisneros is a Spanish-Serbian-American dancer, sociologist and dance historian. Her family is of Roma origins and her mother taught her how to dance flamenco at a very young age. Rosa is a team member of the dance and Flamenco sections for the RomArchive, an international digital collection promoting and preserving Roma arts and culture, and a researcher at Coventry University's Centre for Dance Research.

Caroline Planté is a flamenco guitarist from Canada and one of the world's leading female performers. She learnt to play from her father, a flamenco virtuoso, and started performing at the age of 14. After moving to Spain, where she accompanied the country's top performers, she published 8 Reflexiones, and became the first woman to compose and record a solo flamenco album.

Produced by Alice Gioia

(Image: (L) Rosamaria Kostic Cisneros, credit Koko Zin Photography. (R) Caroline Planté, credit Hervé Leblay.)

SAT 09:00 BBC News (w172ykq7vtvm1zl)

The latest five minute news bulletin from BBC World Service.

SAT 09:06 BBC OS Conversations (w3ct417z)

The Queen

The Queen is lying in state in Westminster Hall in the UK Parliament. Tens of thousands of people have been queuing to pay their final respects. The line has stretched several kilometres along the River Thames. We talk to some of the mourners who have been waiting overnight, sometimes in the rain, to have the opportunity to view the late monarch's coffin.

We hear from three people who have met the Queen during her 70 years on the throne. Felicity, who was 17 at the time, and her dad found themselves unexpectedly face to face with the monarch during an event in 2007 and ended up in conversation. "I suddenly realised the Queen was a couple of metres away," Felicity told us. "And you think is this really happening, am I actually being presented to the queen." Meanwhile, in the US state of Virginia, Kimberley was within touching distance thanks to a clever strategy she devised to get close to the Royals.

All week, listeners have been sending in their messages and we hear memories of the late Queen from the Commonwealth countries of Sri Lanka and New Zealand.

We also speak to two people in Canada – among the 14 countries of which the British Monarch is also head of state. They recall vivid experiences of seeing the Queen, give their reaction to her passing and share their thoughts for the future of the monarchy.

(Photo: Queen Elizabeth II attends an armed forces act of loyalty parade in the gardens of the Palace of Holyroodhouse, Edinburgh, as they mark her platinum jubilee in Scotland 28/06/2022. Credit: Jane Barlow/PA Wire)

SAT 09:30 BBC News Summary (w172ykr29kg9f7z)

The latest two minute news summary from BBC World Service.

SAT 09:32 Pick of the World (w3ct41x8)

A new king proclaimed - and is Ukraine winning?

The pick of the BBC World Service chosen by digital audiences: What do Ukraine's rapid military advances mean for Russia's war? A look at your reaction to new British monarch King Charles III - and why did the late Queen Elizabeth so love corgi dogs?

SAT 09:50 Over to You (w3ct35sq)

The death of Her Majesty Queen Elizabeth II

It is more than a week since the BBC World Service broke into its regular schedule of programmes to bring listeners the sad news that Britain's longest-reigning monarch, Her Majesty Queen Elizabeth II, had died aged 96. We hear listeners' comments and feedback on how the BBC World Service reported the events.

Presenter: Rajan Datar

Producer: Howard Shannon.

A Whistledown Production for the BBC World Service

SAT 10:00 BBC News (w172ykq7vtvm5qq)

The latest five minute news bulletin from BBC World Service.

SAT 10:06 Sportshour (w172yg8pn80rtgl)

A new season for the WSL

We look ahead to the start of the new Women's Super League season and what impact England's Euros success might have on the growth of domestic women's football

Photo: Chelsea lift the Barclays FA Women's Super League Trophy (Credit: Henry Browne/Getty Images)

SAT 11:00 BBC News (w172ykq7vtvm9gv)

The latest five minute news bulletin from BBC World Service.

SAT 11:06 The Newsroom (w172yl7w876ln37)

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

SAT 11:30 BBC News Summary (w172ykr29kg9nr7)

The latest two minute news summary from BBC World Service.

SAT 11:32 Unspun World with John Simpson (w3ct42m6)

Is this a turning point for Ukraine?

This week John Simpson speaks to the BBC's defence correspondent, Jonny Beale, about Ukrainian gains and if this is a turning point in the war; Chris Page, Northern Ireland correspondent, about the Queen's role in the peace process and Northern Ireland's and Ireland's relationship to the Crown going forward; Australia correspondent, Shaimaa Khalil, about Australia's reaction to the Queen's death and what this means for the republican question; foreign correspondent, Anna Holligan, about the Dutch monarchy and whether it offers a lesson in modernisation; and medical editor, Fergus Walsh, reveals the latest on a groundbreaking malaria vaccine.

Unspun World provides an unvarnished version of the week's major global news stories with the BBC's world affairs editor John Simpson and the BBC's unparalleled range of experts.

(Image: Ukrainians have gained ground in recent days. Credit: Getty Images)

SAT 12:00 BBC News (w172ykq7vtvmf6z)

The latest five minute news bulletin from BBC World Service.

SAT 12:06 The Documentary (w3ct43qk)

The future of hip-hop: New York

Homophobia and misogyny are ingrained in hip-hop. But a new generation of women and queer artists are determined to challenge the status quo.

Cakes Da Killa is an openly gay rapper who has been recording for more than a decade. In this two-part series he talks to female stars like number one artist Latto, and queer rappers like Rippaarchie to find out how far they have come, the issues they still face and where they are going next.

Cakes begins in New York, the birthplace of hip-hop, almost 50 years since the first party hosted by DJ Kool Herc. The popular sound of the city right now is drill, which is a far cry from the disco origins of the genre. But is there more room for difference now, beyond the violent and over sexualised stereotypes in hip-hop?

Despite differences in their backgrounds, lives and music, the performers Cakes speaks to are driven by a common goal – to be creative on their own terms without bowing down to pressure from labels and the industry to conform. Will they succeed to build a more inclusive hip-hop for the future? And if so at what cost?

Featuring artists including Savannah Hannah, Maliibu Miitch and Sevendeep

Producer: Miriam Williamson

(Photo: Cakes da Killa. Credit: Ebru Yildiz)

SAT 13:00 BBC News (w172ykq7vtvmjz3)

The latest five minute news bulletin from BBC World Service.

SAT 13:06 Newshour (w172yfc4z0mq2xd)

Russian president says army isn't fighting in its entirety

President Vladimir Putin has warned those celebrating victories in Ukraine that Russia has far more power to deploy. This comes as Ukraine's president, Volodymyr Zelensky says investigations into possible Russian war crimes are continuing in the city of Izium.

Also in the programme: There's been opposition to some of the world leaders who have been invited to the Queen's Funeral; Cheetahs have been reintroduced into a national park in India, seventy years after the animal was officially declared extinct in the country.

(PHOTO: Russian President Vladimir Putin attended a meeting of heads of the Shanghai Cooperation Organization CREDIT: Foreign Ministry of Uzbekistan)

SAT 14:00 BBC News (w172ykq7vtvmnq7)

The latest five minute news bulletin from BBC World Service.

SAT 14:06 The Documentary (w3ct388j)

Culture and the Queen

A look at Queen Elizabeth II's role in the culture of Britain.

SAT 15:00 Sportsworld (w172ygjx2k1ng3j)

Live Sporting Action

Lee James presents coverage of the Premier League, where he'll be joined by the former Wolves, West Ham and England winger Matt Jarvis and the London City Lionesses and Republic of Ireland forward Rianna Jarrett to discuss Saturday's three games, including bringing you regular updates of Newcastle v Bournemouth at St James' Park.

We'll also discuss the opening weekend of the new Women's Super League season and look ahead to the trilogy fight between Mexico's Saul Canelo Alvarez and Kazakhstan's Gennady Golovkin in Las Vegas. And we'll hear from Spanish tennis superstar Carlos Alcaraz after he became the youngest men's world number one in history after winning his maiden Grand Slam title on Sunday. We'll discuss whether he could go on to dominate the sport.

Photo: Players and spectators observe a minutes silence, as they pay their respects to Her Majesty Queen Elizabeth II during the Premier League match between Aston Villa and Southampton FC at Villa Park. (Credit: Getty Images)

SAT 18:00 BBC News (w172ykq7vtvn4pr)

The latest five minute news bulletin from BBC World Service.

SAT 18:06 The Newsroom (w172yl7w876mhb4)

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

SAT 18:30 BBC News Summary (w172ykr29kgbhz4)

The latest two minute news summary from BBC World Service.

SAT 18:32 World of Wisdom (w3ct2zwp)

[Repeat of broadcast at 05:32 today]

SAT 18:50 Sporting Witness (w3ct36g1)

Rose Reilly

Rose Reilly played football for AC Milan as she was banned from playing professional football in her home nation of Scotland. She was the most successful female player in Serie A. Yet despite these achievements, after she criticised the Scottish Football Association, they banned her for life. In 1984, Rose represented the Italian national women's team. She speaks to Michael Rossi about her determination to play the game she loved.

(Rose Reilly playing football for Reims in 1974. Getty Images)

SAT 19:00 BBC News (w172ykq7vtvn8fw)

The latest five minute news bulletin from BBC World Service.

SAT 19:06 The Documentary (w3ct388g)

Her Majesty's Music

The life of Elizabeth II's seen through the music closely associated with her.

SAT 20:00 BBC News (w172ykq7vtvnd60)

The latest five minute news bulletin from BBC World Service.

SAT 20:06 The Arts Hour (w3ct390n)

Actor Saoirse Ronan on the joy of period dramas

Nikki Bedi is joined by director Eddie Sternberg, whose feature film debut "I Used To be Famous" has just been released. It tells the story of a neurodivergent young drummer who teams up with a former boyband singer.

Along with critic Larushka Ivan Zadeh, they hear from actor Saoirse Ronan about her new film See How They Run

Graphic novelist Nick Drnaso about the lonely world of comic books

British Asian filmmaker Gurinder Chadha talking about diversity

and George "Mad Max" Miller on his newest film Three Thousand Years Of Longing.

Photo: Saoirse Ronan. Credit: Dave Benett/Getty Images)

SAT 21:00 BBC News (w172ykq7vtvnyh4)
The latest five minute news bulletin from BBC World Service.

SAT 21:06 Newshour (w172yfc4z0mr1wf)
Putin urges 'restraint' over Ukrainian victories

President Putin has warned those celebrating Ukrainian victories to be more retrained- Russia he said, has far more power to deploy and that it is currently only using "professional forces".

Could Russia throw yet more manpower into this war?

Also in the programme: A former leader of the UK's Conservative Party tells us what he thinks of the choices made by the country's government about who has and who hasn't got an invitation to the Queen's funeral and we find out about the difficulties of reintroducing cheetahs to India.

(Photo shows Russian President Vladimir Putin talks to the media during a news conference. Credit: Sergei Bobylev/EFE)

SAT 22:00 BBC News (w172ykq7vtvnmp8)
The latest five minute news bulletin from BBC World Service.

SAT 22:06 Music Life (w3ct30kd)
Don't eat junk food, with Tkay Maidza, Lolo Zouaï, and Chiiild

Tkay Maidza, Lolo Zouaï and Chiiild discuss why making music feels like having a superhero persona, the importance of sticking to the truth in lyrics, enjoying the search for inspiration, and why song writing is mostly just about talking to your collaborators.

Tkay Maidza is a Zimbabwean-Australian multi-talented singer-songwriter and rapper. Born in Harare, Zimbabwe before moving to Australia when she was five years old, she originally trained for a tennis career, then studied architecture, before becoming a full-time musician. She also supported Billie Eilish on tour earlier this year.

Yonatan "xSDTRK" Ayal is a singer and producer who leads the Canadian experimental Soul group Chiiild. He blends psychedelia, retro soul, and modern R&B. He's also produced the likes of Jennifer Lopez, Iggy Azelia, Rob Thomas, and former Music Life guest Jacob Banks.

French-born, American-based R&B and Pop musician Lolo Zouaï grew up on a musical diet of hip-hop, classic French chanson, and Algerian rai music. She's recently supported Dua Lipa on tour.

SAT 23:00 BBC News (w172ykq7vtvnrfd)
The latest five minute news bulletin from BBC World Service.

SAT 23:06 The Newsroom (w172yrx0drkerz)
The world's Newsroom brings you global events as they happen

SAT 23:20 Sports News (w172ygh862v9vgp)
BBC Sport brings you all the latest stories and results from around the world.

SAT 23:30 BBC News Summary (w172ykr29kcg3ps)
The latest two minute news summary from BBC World Service.

SAT 23:32 The Cultural Frontline (w3ct37ry)
Melanie C: Creativity and mental health

In March this year, the World Health Organization announced

research findings that the Covid-19 pandemic had triggered a 25% increase in the prevalence of anxiety and depression worldwide.

We ask how does the act of making art help creatives around the world address personal psychological challenges? And we celebrating art's ability to inspire and soothe anyone - artist or not - who might be experiencing difficulties with their mental health.

Spice Girl Melanie C opens up about how at the height of her fame she was dealing with depression and an eating disorder and tells us how she worked to overcome these challenges.

Nigerian artist Jonathan Chamblin explains how making art helped him through the anxiety of lockdown.

Singaporean landscape photographer Xuan Hui Ng describes how capturing nature enabled her to overcome a downward spiral of grief.

And American Gen Z cultural journalist Alexis Oatman on how millions of Americans are responding to career burnout, including Beyoncé.

If you've been affected by the content of this programme information and support is available via the BBC Action Line, click on the link below.

(Photo: Melanie C. Credit: Matt Holyoak)

SUNDAY 18 SEPTEMBER 2022

SUN 00:00 BBC News (w172ykq7vtvnw5j)
The latest five minute news bulletin from BBC World Service.

SUN 00:06 BBC OS Conversations (w3ct417z)
[Repeat of broadcast at 09:06 on Saturday]

SUN 00:30 BBC News Summary (w172ykr29kcg7fx)
The latest two minute news summary from BBC World Service.

SUN 00:32 World of Wisdom (w3ct2zwp)
[Repeat of broadcast at 05:32 on Saturday]

SUN 00:50 More or Less (w3ct3k55)
[Repeat of broadcast at 05:50 on Saturday]

SUN 01:00 BBC News (w172ykq7vtvnzxn)
The latest five minute news bulletin from BBC World Service.

SUN 01:06 The Science Hour (w3ct39zp)
Science and the causes behind Pakistan's floods

A new report by the World Weather Attribution consortium demonstrates the impact of global warming on flooding in Pakistan. The consortium are helping to assess the link between humanitarian disasters and global change, faster than ever before.

The work, conducted by a team of statisticians, climate experts, and local weather experts, is part of an emerging field in science called Extreme Event Attribution, and can reliably provide assessments in the immediate aftermath of an extreme weather event

The report follows widescale flooding in Pakistan that has disrupted the lives of over 33 million people. Dr. Friederike Otto from the Grantham Institute for Climate Change explains some of the network's conclusions as to the causes behind this devastating flood. Can it all be down to climate change?

Also this week, we speak to Prof Oyewale Tomori of the African Centre of Excellence for Genomics of Infectious Diseases, who writes in this week's journal Science about what he believes African countries' role should be in response to the Monkeypox pandemic, and how future academic work in the area should be more homegrown.

Finally, psychologist Lynda Boothroyd talks us through a new study about how the arrival of television in people's lives can help shape unhealthy and negative perceptions of body image. The study, conducted in Nicaragua, amongst communities only recently connected to electricity supplies, is helping to show how the media could play a part in contributing to conditions like eating disorders.

Laugh and the world laughs with you, or so you might think. But watch any good comedian on TV by yourself and chances are you'll laugh a lot less than if you were sitting in a lively comedy crowd watching the same comedian in the flesh. But

why is that? Is there such a thing as herd laughter? And do people from different cultures and corners of the world all laugh at the same things and in the same way? These are questions raised by CrowdScience listener Samuel in Ghana who wonders why he's always cracking up more easily than those around him. Presenter Caroline Steel digs into whether it's our personality, the people around us, or the atmosphere of the room that determines how much we giggle, following neuroscience and ergonomics on a global trail in search of a good laugh.

(Image: Pakistani people move to a safer place due to flooding. Credit: Jan Ali Laghari/Anadolu Agency via Getty Images)

SUN 02:00 BBC News (w172ykq7vtvp3ns)
The latest five minute news bulletin from BBC World Service.

SUN 02:06 The Newsroom (w172y17w876ng95)
The world's Newsroom brings you global events as they happen

SUN 02:30 BBC News Summary (w172ykr29kcgcy5)
The latest two minute news summary from BBC World Service.

SUN 02:32 Health Check (w3ct32wx)
Malaria vaccine effective

The trial of a malaria vaccine in Burkina Faso has revealed promising results, protecting young children from being infected by the parasite for a second season. Most malaria deaths are in children under five in sub-Saharan Africa. We hear from one of the research team Professor Katie Ewer, about how difficult it is to create a malaria vaccine. It's hoped that the world's largest vaccine manufacturer in Pune, India, will make enough of the vaccine to make it available to every child who needs it in the next few years.

A new study has shown that forehead thermometers are not as accurate at picking up high temperatures in black patients as they are in people with white skin. Family doctor Ann Robinson explains how worrying symptoms could be missed in some patients, leading to health inequalities if we rely on devices which are only tested on white skin.

And how walking can help to reduce our risk of dementia – and also help tired parents get their crying babies off to sleep.

Presenter: Claudia Hammond
Producer: Paula McGrath

(Picture: A child receives a malaria vaccination at Yala Sub-County hospital, Kenya, in October 2021. Photo credit: Brian Ongoro/AFP/Getty Images.)

SUN 03:00 BBC News (w172ykq7vtvp7dx)
The latest five minute news bulletin from BBC World Service.

SUN 03:06 The Documentary (w3ct43kq)
[Repeat of broadcast at 12:06 on Saturday]

SUN 04:00 BBC News (w172ykq7vtvp51)
The latest five minute news bulletin from BBC World Service.

SUN 04:06 From Our Own Correspondent (w3ct329v)
Royalty and Republics

Pascale Harter introduces analysis and reportage from Australia, Brazil, Afghanistan, Pakistan and Greece

Although some Australian politicians have been agitating for a republic for decades, the British monarch is still the head of state in Australia. In the emotional aftermath of the death of Queen Elizabeth II, Nick Bryant explores Australia's relationship with the British crown today – and where it's headed in future.

Brazil marked 200 years of independence from its former colonial ruler on the 7th of September. But there was another grand ceremony just before the main event – when a bizarre royal relic was flown in from Portugal. Julia Carneiro reflects on what exactly Brazil had to celebrate on its bicentennial.

Covering events in Afghanistan and Pakistan is one of the toughest jobs a foreign correspondent can take on. Reporting from Islamabad or Kabul can be dangerous – and whatever you do, it's likely to be controversial. As he prepares to leave the BBC, Secunder Kermani recounts his experiences on both sides of the border.

A Greek proverb warns 'better the friend you can see, than the money you can't' – meaning that in tough times, it's safer to rely

on social bonds than assets in the bank or investments on paper. The dramatists and philosophers of Classical times had plenty to say on the role of money in politics. The European Union's economic red lines, and the EU's power to dictate terms to Greece, still preoccupy many citizens today. In a very dramatic setting, Antonia Quirke was prompted to think about power, politics and gold.

Producer: Polly Hope
Editor: Richard Fenton-Smith

SUN 04:30 BBC News Summary (w172ykr29kcgqff)
The latest two minute news summary from BBC World Service.

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[Repeat of broadcast at 23:32 on Saturday]

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SUN 05:06 The Newsroom (w172yl7w876ntjk)
The world's Newsroom brings you global events as they happen

SUN 05:30 BBC News Summary (w172ykr29kcgcv5k)
The latest two minute news summary from BBC World Service.

SUN 05:32 The Documentary (w3ct4d03)
Kentucky flooding

Historic levels of flooding in eastern Kentucky in August caused 37 deaths. The State's governor described it as the worst natural crisis Kentucky has seen. River levels on the North Fork Kentucky River in Whitesburg reached 21ft (6.4m) compared with the previous record of 14ft (4.2m). The floods have tested the resilience of the people in the former coal-mining region of Appalachia. In towns like Whitesburg, where 56-year-old Val Horn runs a community kitchen, huge numbers of people have lost their homes and Val's kitchen has been preparing 1500 meals a day. Appalachian history has been captured over the last 50 years by Appalshop, but the cultural centre in Whitesburg have been inundated by the floods.

Producer: Philip Reeve

(Photo: A car is submerged in flood waters along Right Beaver Creek, in Garrett, Kentucky, USA, 28 July, 2022. Credit: Pat McDonogh/USA Today Network/ Reuters)

SUN 06:00 BBC News (w172ykq7vtvpln9)
The latest five minute news bulletin from BBC World Service.

SUN 06:06 Weekend (w172ykwllv28y0j)
Power is back at the Ukraine's Zaporizhzhia nuclear plant

The UN's nuclear watchdog (IAEA) says Ukraine's huge Zaporizhzhia nuclear power plant has begun receiving power from the national grid once again. Shelling in the area had damaged power lines connected to the plant.

Also today, a powerful typhoon threatens millions in southwestern Japan; and head of states and foreign dignitaries from around the world have started to arrive in London to attend the Queen's funeral on Monday.

Joining Paul Henley to discuss these and other issues are Patricia Cumper, Jamaican-born writer, playwright and theatre director based in London; and Sergey Radchenko, an expert on the history of the Cold War and Professor at the Johns Hopkins School of Advanced International Studies in the United States.

(File Photo: A man with a Russian flag on his uniform stands guard near the Zaporizhzhia Nuclear Power Plant. Credit: Reuters).

SUN 07:00 BBC News (w172ykq7vtvpqdf)
The latest five minute news bulletin from BBC World Service.

SUN 07:06 Weekend (w172ykwllv291rn)
Power is back at Zaporizhzhia's nuclear plant

The continuous shelling over the past few months have damaged the power lines connected to the plant. The nuclear plant, the biggest in Europe, is under control of the Russians. Its reconnection to the national grid allows its six reactors to cooldown preventing the risk of meltdown. Also, as the US makes political moves to increase its support to Taiwan, we explore the what's the state of the relationship between Washington and Beijing; and we learn of a man's determination to transport a whole pipe organ from Canada to

England and how the journey become material for a movie.

Joining Paul Henley to discuss these and other issues are Patricia Cumper, Jamaican-born writer, playwright and theatre director based in London; and Sergey Radchenko, an expert on the history of the Cold War and Professor at the Johns Hopkins School of Advanced International Studies in the United States.

(Phile Photo: A Russian all-terrain armoured vehicle is parked outside the Zaporizhzhia nuclear plant. Credit: Reuters).

SUN 08:00 BBC News (w172ykq7vtvpv4k)
The latest five minute news bulletin from BBC World Service.

SUN 08:06 Weekend (w172ykwllv295hs)
Japan braced for exceptional typhoon

Nearly two million people have been urged to evacuate their homes in Japan amid warnings of "unprecedented" risks from an approaching storm.

Also, civil unrest and widespread anti-government violence in Haiti, as demonstrators call for the resignation of the prime minister.

Plus, heads of state and dignitaries arrive in London ahead of the State Funeral for Queen Elizabeth II on Monday.

Joining Paul Henley to discuss these and other issues are Patricia Cumper, Jamaican-born writer, playwright and theatre director based in London; and Sergey Radchenko, an expert on the history of the Cold War and Professor at the Johns Hopkins School of Advanced International Studies in the United States.

(Image: Fishing boats moored as rain falls from weather patterns brought about by Typhoon Nanmadol at a port in Minamata, Kumamoto prefecture. Credit: YUICHI YAMAZAKI/AFP via Getty Images)

SUN 08:30 BBC News Summary (w172ykr29kgd6dy)
The latest two minute news summary from BBC World Service.

SUN 08:32 The Food Chain (w3ct38nc)
The flavourists

Meet the flavourists – the people who bring together art and science to create the flavours in our food. Each crisp, soft drink, or toothpaste flavour has been concocted by someone in a lab who has spent years studying why things taste good.

In this programme, Ruth Alexander visits the International Flavour Research Centre at the University of Nottingham in the UK, where flavour chemist Professor Ian Fisk demonstrates machines that can act as an artificial nose and tongue. Historian Dr Nadia Berenstein explains how this profession began and evolved alongside the boom in consumer goods in the 20th century. And we meet a master flavourist at the top of their field – Yukiko Ando Ovesen from Japan, who works for the international flavour and fragrance firm, Firmenich.

Presented by Ruth Alexander

Produced by Beatrice Pickup

(Image: girl eating doughnut with brightly coloured sprinkles. Credit: Getty/BBC)

SUN 09:00 BBC News (w172ykq7vtvpywp)
The latest five minute news bulletin from BBC World Service.

SUN 09:06 From Our Own Correspondent (w3ct329v)
[Repeat of broadcast at 04:06 today]

SUN 09:30 BBC News Summary (w172ykr29kgdb52)
The latest two minute news summary from BBC World Service.

SUN 09:32 Outlook (w3ct41dz)
India's first all-women newsroom

Childhood friends Kavita Bundelkhandi and Meera Devi are two Dalit women defying caste hierarchy to run Khabar Lahariya, India's first and only all-female newsroom. The team are mostly women from marginalised backgrounds, they've faced discrimination and even death threats, but have gone on to produce award-winning stories about illegal mining, jungle bandits and the daily lives of rural communities. (A longer version of this interview was first broadcast in May 2022)

Presenter: Emily Webb
Producer: Maryam Maruf

(Photo: Kavita Bundelkhandi and Meera Devi. Credit: Chambal Media)

Get in touch: outlook@bbc.com

SUN 10:00 BBC News (w172ykq7vtvq2mt)
The latest five minute news bulletin from BBC World Service.

SUN 10:06 Trending (w3ct43df)
Roe v Wade: The next battle

Since the overturning of Roe versus Wade, dozens of US abortion clinics have closed their doors. Now efforts to provide abortion information and access have moved online, where false claims, genuine pills and dodgy remedies sit side by side.

We meet the anti-abortion campaigners spreading false claims that clinically approved pills are dangerous and pro-choice supporters promoting dodgy herbal remedies on social media.

Presenter: Rachel Schraer
Producers: Jerry Sullivan & Kayleen Devlin
Editor: Flora Carmichael

SUN 10:30 BBC News Summary (w172ykr29kgdfx6)
The latest two minute news summary from BBC World Service.

SUN 10:32 Heart and Soul (w3ct423s)
The Church and beer

The connections between beer and Christianity flow back down the centuries to the medieval monasteries where it was common practice for monks to brew their own beverages. Self-sufficiency was a core monastic principle, as indeed was the duty to offer pilgrims and visitors food and drink. The monks took the work very seriously, revolutionising brewing techniques with practices and principles that are still in use today.

Geoff Bird visits Grimbergen Abbey in Belgium, where brewing took place for centuries and has recently been re-introduced to great acclaim after a gap of two hundred years - the resulting beers are now widely available internationally.

Geoff also meets the pagan landlord who champions beer as the fruit of a bountiful earth - and sets out with the vicar who puts beer at the centre of his ministry, to find out why he regularly visits local pubs and bars to discuss matters of faith with customers over a pint or two of craft ale.

SUN 11:00 BBC News (w172ykq7vtvq6cy)
The latest five minute news bulletin from BBC World Service.

SUN 11:06 The Newsroom (w172yl7w876pk0b)
The world's Newsroom brings you global events as they happen

SUN 11:30 BBC News Summary (w172ykr29kgdknb)
The latest two minute news summary from BBC World Service.

SUN 11:32 The Compass (w3ct43cn)
The Understory: Life in the Soil

Life in soil: The psychology of soil in California

Isabelle Legeron travels to California, a part of the world whose soil holds a complex history. She meets the indigenous Californians reviving ancestral methods of tending to the land, and the soil scientists exploring the impact of colonisation and agriculture on the soil of the Golden State.

With indigenous Californian land steward Redbird (Pomo/Paiute/Wailaki/Wintu), director of the California Indian museum Nicole Lim (Pomo), indigenous ecologist Dr Melissa Nelson (Anishinaabe/Métis/Norwegian), indigenous educator Sara Moncada (Yaqui/Irish), professor Paul Starrs (USA) and soil scientists Suzanne Pierre (India/Haiti/USA), Kenzo Esquivel (Japanese/Mexican/USA) and Yvonne Socolar (USA).

Presenter: Isabelle Legeron
Producer: Sasha Edye-Lindner/ Kate Bland
A Cast Iron production for BBC World Service

(Photo: Native crops at Heron Shadow, California. Credit: Sara Moncada)

SUN 12:00 BBC News (w172ykq7vtvqb42)
The latest five minute news bulletin from BBC World Service.

SUN 12:06 The Documentary (w3ct42s4)

The Royal Diplomat

Queen Elizabeth II was known around the world. She was a unique exemplar of diplomacy and soft power. The BBC's Emma Barnett speaks to those who saw her at work and were with her as she considered some of the most difficult global issues. Emma hears from friends and insiders, including prime ministers, her former Private Secretary and the grandson of a US President.

Queen Elizabeth came to the throne in 1952 at a time of crisis and flux in the aftermath of the Second World War, as the British Empire disintegrated. Her role as constitutional monarch and head of the Commonwealth placed her at the heart of global crises. We recall how she visited Ghana, Zambia and South Africa as a diplomatic envoy, helping to mediate in the racial politics of post-colonial Africa.

Relationships were at the heart of Queen Elizabeth's diplomacy and we recall some of the most significant, including the warm friendship she developed with President Nelson Mandela. From her first state visit to the US in 1957 to repair the transatlantic relationship after the Suez crisis, to the historic 2011 visit to Ireland – the first by a British monarch in a century - we show how reconciliation was a major theme of Queen Elizabeth's reign.

Guests include former UK prime minister David Cameron, former Commonwealth Secretary General Chief Emeka Anyaoku, Professor David Eisenhower, the former Mayor of Accra, Nat Nunoo Amartefio, former Irish prime minister Enda Kenny and the veteran US diplomat James Baker.

SUN 13:00 BBC News (w172ykq7vtvqfw6)

The latest five minute news bulletin from BBC World Service.

SUN 13:06 Newshour (w172yfc4z0mszth)

Afghanistan: UN calls on the Taliban to reopen high schools for girls

The United Nations has urged Afghanistan's Taliban rulers to take urgent measures to reopen high schools for female students, a year after it ordered them to be closed. We hear from a 13 year old in Kabul begging Taliban to reopen school and a UN official on what more can be done to pressure Taliban to reopen schools for girls. The Taliban allowed schools for boys to reopen last year, a month after they seized power in Kabul. But high schools for girls in most parts of the country remain shut.

Also in the programme: World leaders are arriving in London ahead of the Queen's funeral on Monday, with 500 heads of state and foreign dignitaries invited; and a free solo climber described as the "French Spiderman" has scaled a 48-storey skyscraper in Paris, fulfilling a goal he had set for himself once he reached the age of 60 and

(Photo credit: BBC)

SUN 14:00 BBC News (w172ykq7vtvqkmb)

The latest five minute news bulletin from BBC World Service.

SUN 14:06 Sportsworld (w172ygyx2k1r7n3)

Live Sporting Action

Delyth Lloyd presents LIVE commentary from the Premier League as West Ham take on Everton. Also news of Brentford v Arsenal.

Plus, the opening weekend of the Women's Super League, news of the big fight from Las Vegas as Mexico's Saul Canelo Alvarez takes on Kazakhstan's Gennady Golovkin and the women's one day cricket international between England and India from Hove.

Photo: Fans take part in an applause on the 70th minute as a tribute to Her Majesty Queen Elizabeth II who died at Balmoral Castle on September 8, 2022, prior to during the Premier League match between Aston Villa and Southampton FC at Villa Park. (Credit: Getty Images)

SUN 17:00 BBC News (w172ykq7vtvqxvq)

The latest five minute news bulletin from BBC World Service.

SUN 17:06 The Newsroom (w172yl7w876q8h3)

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

SUN 17:30 BBC News Summary (w172ykr29kgf943)

The latest two minute news summary from BBC World Service.

SUN 17:32 The Documentary (w3ct388l)

The Queen and the Military

As part of the BBC's coverage of the death of Her Majesty,

Queen Elizabeth the Second, Royal Correspondent Jonny Dymond presents a tribute to the late British monarch's close connection with the Armed Forces. In her titular role as head of the UK's military, Her Majesty led the nation's tribute annually at the Service of Remembrance to the fallen in war, held each November at the Cenotaph in London. She was, throughout her long reign, also a faithful presence at the annual Trooping of the Colour ceremony – a military parade held on Horse Guards' Parade – which, for many years, she attended on horseback. But the Queen's association with Britain's fighting forces and with those of many Commonwealth countries, was far more than simply ceremonial. And from her earliest days as a young princess in World War Two, when Her Majesty enlisted for the Auxiliary Territorial Service and throughout her life, the Queen's close connection with soldiery was emotional as well as symbolic.

Contributing to this portrait of the late monarch's close association with the military are former head of the British Army, Lord Dannatt, David Johnston, Governor-General of Canada from 2010 to 2017, royal biographer Ingrid Seward as well as stalwart ex-soldiers from the Royal Hospital, Chelsea in London, where former servicemen and women find sheltered accommodation in their later years.

SUN 18:00 BBC News (w172ykq7vtvr1lv)

The latest five minute news bulletin from BBC World Service.

SUN 18:06 Music Life (w3ct30kd)

[Repeat of broadcast at 22:06 on Saturday]

SUN 19:00 BBC News (w172ykq7vtvr5bz)

The latest five minute news bulletin from BBC World Service.

SUN 19:06 The Newsroom (w172yl7w876qhz)

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

SUN 19:30 BBC News Summary (w172ykr29kgfjmc)

The latest two minute news summary from BBC World Service.

SUN 19:32 Unspun World with John Simpson (w3ct42m6)

[Repeat of broadcast at 11:32 on Saturday]

SUN 19:59 BBC News (w172ykq7vtvr933)

The latest five minute news bulletin from BBC World Service.

SUN 20:06 The History Hour (w3ct39lq)

Queen Elizabeth II

We hear personal accounts of historical moments during the seventy year reign of Queen Elizabeth II. Memories from the Queen's maids of honour from her coronation in 1953; the huge race her horse very nearly won as well as the Windsor Castle fire and the opening to the public of Buckingham Palace.

Presented by Max Pearson.

(Photo: Queen Elizabeth II. Credit: Getty Images)

SUN 21:00 BBC News (w172ykq7vtvr7v)

The latest five minute news bulletin from BBC World Service.

SUN 21:06 Newshour (w172yfc4z0mtysj)

World leaders gather ahead of Queen Elizabeth's state funeral

One of the largest gatherings of global leaders for decades has been taking place at Buckingham Palace, ahead of Monday's funeral of Queen Elizabeth II.

A minute's silence has been held across the UK in memory of the late monarch and final preparations are under way for her state funeral.

Also in the programme: It's a year since the Taliban instructed all girls to remain at home, while they allowed boys to return to high schools; and a former US ambassador to Azerbaijan condemns remarks that the US House of Representatives' Speaker, Nancy Pelosi, has made in support of Armenia in the conflict between the two countries.

(Photo shows members of the public queuing with a Union Jack umbrella and the Houses of Parliament as a backdrop on the South Bank in London. Credit: Danny/PA Wire)

SUN 22:00 BBC News (w172ykq7vtvrjlc)

The latest five minute news bulletin from BBC World Service.

SUN 22:06 Trending (w3ct43df)

[Repeat of broadcast at 10:06 today]

SUN 22:30 BBC News Summary (w172ykr29kgfwvr)

The latest two minute news summary from BBC World Service.

SUN 22:32 Pick of the World (w3ct41x8)

[Repeat of broadcast at 09:32 on Saturday]

SUN 22:50 Over to You (w3ct35sq)

[Repeat of broadcast at 09:50 on Saturday]

SUN 23:00 BBC News (w172ykq7vtvrnbh)

The latest five minute news bulletin from BBC World Service.

SUN 23:06 The Newsroom (w172yxr0drkgnd2)

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

SUN 23:20 Sports News (w172ygh862vdrcs)

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

SUN 23:30 BBC News Summary (w172ykr29kgg0lw)

The latest two minute news summary from BBC World Service.

SUN 23:32 Outlook (w3ct41dz)

[Repeat of broadcast at 09:32 today]

MONDAY 19 SEPTEMBER 2022**MON 00:00 BBC News (w172ykq7vtvrs2m)**

The latest five minute news bulletin from BBC World Service.

MON 00:06 From Our Own Correspondent (w3ct329v)

[Repeat of broadcast at 04:06 on Sunday]

MON 00:30 BBC News Summary (w172ykr29kgg4c0)

The latest two minute news summary from BBC World Service.

MON 00:32 Digital Planet (w3ct31yw)

Community Networks: Connecting the unconnected

The Digital Divide in Tribal Communities
Across the North American continent, there is a stark difference in the availability of the internet to different communities. Tribal lands are typically remote, rural, and rugged landscapes, and often have very patchy, or non-existent internet connectivity. Dr. Traci Morris explains why such a digital divide exists and how tribes are working together, both within their communities and with each other, to create and gain access to communications networks.

Digital Deras connecting farmers in rural Pakistan

In rural Punjab in Pakistan, farmers and villagers gather in places called 'Deras' to socialise, drink tea and coffee and discuss their farms. But one project has created a community network to transform one of these Deras to have digital facilities – a 'Digital Dera'. Farmers use this Digital Dera to access crucial weather forecasts and other information to help them manage their farms more efficiently. It also helps them battle the impact of climate change, as the crop cycles change due to shifting weather patterns. Founders of the project Fouad Bajwa and Aamer Hayat speak to Gareth about the impact of the Digital Dera project on the farming community.

Offline interview in Cuba

Cuba is one of the least digitally connected countries in the Western hemisphere. This is due to the US trade embargo but also poor internet infrastructure and tight control of its own government on the flow of information. Although accessing digital technologies is getting better, for ordinary Cubans going online is still a challenge. The internet connection is slow, unreliable, and prohibitively expensive. To combat this, they have created an offline underground internet called 'El Paquete Semanal' or 'Weekly Package' – it is a one-terabyte collection of eclectic material of movies, tv-series, sports, and music while turning a blind eye to copyright. Reporter Snezana Curcic visited to learn more about this Cuban alternative to broadband internet.

This programme was first transmitted on Tuesday 7th June 2022.

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

Studio Manager: Jackie Margerum
Producer: Hannah Fisher

(Photo: 5G data stream running through a rural village
Credit: Huber & Starke/Digital Vision/Getty Images)

MON 01:00 BBC News (w172ykq8734wr2x)

The latest five minute news bulletin from BBC World Service.

MON 01:06 The Newsroom (w172y17wmhhw2q9)

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

MON 01:30 BBC News Summary (w172ykr2ntrl3e9)

The latest two minute news summary from BBC World Service.

MON 01:32 Discovery (w3ct43qm)

Sir Martin Landray

Who could forget the beginning of 2020, when a 'mysterious viral pneumonia' emerged in the Chinese city of Wuhan. Soon, other countries were affected and deaths around the world began to climb. Perhaps most alarmingly of all, there were no proven treatments to help prevent those deaths.

As the World Health Organisation declared the Covid-19 outbreak a pandemic, and the UK and the rest of the world braced itself for what was to come, doctor and drug-trial designer Martin Landray had his mind on a solution, devising the protocol, or blueprint, for the world's largest drug trial for Covid-19.

As Professor of Medicine and Epidemiology at Oxford University, Martin was perfectly positioned to jump, delivering what became known as the RECOVERY Trial. The trial was tasked to deliver clarity amid the predicted chaos of the pandemic and galvanised every acute NHS hospital in the UK. Within its first one hundred days, it had yielded three major discoveries and it has transformed Covid-19 treatment worldwide, already saving over a million lives. Sir Martin Landray was recently knighted for this work and RECOVERY's legacy lives on, not just for Covid. Martin plans to revolutionise drug trials for other diseases too.

MON 02:00 BBC News (w172ykq8734wv1)

The latest five minute news bulletin from BBC World Service.

MON 02:06 The Newsroom (w172y17wmhhw6f)

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

MON 02:30 BBC News Summary (w172ykr2ntrl73f)

The latest two minute news summary from BBC World Service.

MON 02:32 The Climate Question (w3ct3kjg)

Can animals evolve to deal with climate change?

As climate change brings rising temperatures and shifting patterns of rainfall, animals are adapting to keep pace. Bird's bodies are growing smaller, their wingspan longer, lizards are growing larger thumb pads to help them grip more tightly in hurricane strength winds, beak size is changing.

We visit the Galapagos, where evolution was first discovered by Charles Darwin, to investigate the many ways the behaviour and physiology of animals are changing to survive the impact of climate change. But can they do it quickly enough?

First broadcast – 14 March 2022

Presenters Jordan Dunbar and Kate Lamble are joined by: Kiyoko Gotanda, Assistant Professor at Brock University Ramiro Tomala, Expedition leader, Metropolitan Touring in the Galapagos

Thor Hanson, conservationist and author of Hurricane Lizards and Plastic Squid

Anne Charmantier, Director of Research at Centre d'Ecologie Fonctionnelle et Evolutive (CEFE), Montpellier

With thanks to research carried out by Colin Donihue of Institute at Brown for Environment and Society.

Producer: Dearbhail Starr

Reporter: Mark Stratton

Series Producer: Alex Lewis

Editor: Nicola Addyman

Production Coordinators: Sophie Hill and Siobhan Reed

Sound Engineer: Tom Brignell

MON 03:00 BBC News (w172ykq8734wz15)

The latest five minute news bulletin from BBC World Service.

MON 03:06 Tech Tent (w3ct375m)

The Merge: A cryptocurrency revolution

This week on Tech Tent: the Merge - Ethereum, the world's second biggest cryptocurrency, attempts the Merge, a radical new operating model that cuts its energy usage by 99%. Will it work - and how will it reshape crypto? Also - how a carrot emoji became a cover for covid disinformation. And the biggest, brightest satellite ever launched - will it change our relationship with the night sky?

MON 03:30 BBC News Summary (w172ykr2ntrlbvk)

The latest two minute news summary from BBC World Service.

MON 03:32 Pick of the World (w3ct41x8)

[Repeat of broadcast at 09:32 on Saturday]

MON 03:50 Over to You (w3ct35sq)

[Repeat of broadcast at 09:50 on Saturday]

MON 04:00 BBC News (w172ykq8734x3b9)

The latest five minute news bulletin from BBC World Service.

MON 04:06 The Newsroom (w172y17wmhhwfyp)

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

MON 04:30 BBC News Summary (w172ykr2ntrlgip)

The latest two minute news summary from BBC World Service.

MON 04:32 The Conversation (w3ct37md)

Women fighting fake news

Fake news can have harmful consequences for those who believe it - but why are women often the target of disinformation campaigns? Kim Chakanetsa meets two experts to discuss how disinformation affect the lives of women around the world.

Paulina Ibarra is the Executive Director of Fundación Multitudes, a civil society organization based in Chile. She leads The Women's Observatory Against Disinformation and Fake News, a project supporting women and members of underrepresented communities who decide to take leadership roles.

Hannah Ajakaiye is an award-winning journalist from Nigeria. She's currently a King Fellow with the International Center for Journalists, where she trains fact checkers across Africa and works with social media influencers to dispel myths and debunk fake news stories.

Produced by Alice Gioia

(Image: (L) Hannah Ajakaiye, credit Monsuru Tiamiyu. (R) Paulina Ibarra, credit Rosario Oddo.)

MON 05:00 BBC News (w172ykq8734x72f)

The latest five minute news bulletin from BBC World Service.

MON 05:06 BBC News (w172yyp7dnmj5b)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 06:00 BBC News (w172ykq8734xbtk)

The latest five minute news bulletin from BBC World Service.

MON 06:06 BBC News (w172yyp7dnmjtsg)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 07:00 BBC News (w172ykq8734xgkp)

The latest five minute news bulletin from BBC World Service.

MON 07:06 BBC News (w172yyp7dnmjynl)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 08:00 BBC News (w172ykq8734xl9t)

The latest five minute news bulletin from BBC World Service.

MON 08:06 BBC News (w172yyp7dnmk2dq)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 09:00 BBC News (w172ykq8734xq1y)

The latest five minute news bulletin from BBC World Service.

MON 09:06 BBC News (w172yyp7dnmk64v)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 10:00 BBC News (w172ykq8734xtt2)

The latest five minute news bulletin from BBC World Service.

MON 10:06 BBC News (w172yypbp28ny8f)

The Funeral of Her Majesty Queen Elizabeth II

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 14:00 BBC News (w172ykq8734y9sl)

The latest five minute news bulletin from BBC World Service.

MON 14:06 BBC News (w172yyp7dnmkswh)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 15:00 BBC News (w172ykq8734yfjq)

The latest five minute news bulletin from BBC World Service.

MON 15:06 BBC News (w172yypb9szkppqs)

Coverage of the funeral of Her Majesty Queen Elizabeth II

MON 17:00 BBC News (w172ykq8734yp0z)

The latest five minute news bulletin from BBC World Service.

MON 17:06 BBC OS (w172yg1r3lhd2d1)

The state funeral of Queen Elizabeth II

Coverage of the committal service of Queen Elizabeth II from Windsor

(Photo: Members of the royal family follow the coffin of Queen Elizabeth II as it is carried out of Westminster Abbey during her State Funeral in central London, September 19, 2022. Credit: Frank Augstein/PA Wire)

MON 18:00 BBC News (w172ykq8734yss3)

The latest five minute news bulletin from BBC World Service.

MON 18:06 BBC OS (w172yg1r3lhd645)

The state funeral of Queen Elizabeth II

Coverage of the committal service of Queen Elizabeth II from Windsor

(Photo: Members of the royal family follow the coffin of Queen Elizabeth II as it is carried out of Westminster Abbey during her State Funeral in central London, September 19, 2022. Credit: Frank Augstein/PA Wire)

MON 19:00 BBC News (w172ykq8734yxj7)

The latest five minute news bulletin from BBC World Service.

MON 19:06 The Newsroom (w172y17wmhhy84m)

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

MON 20:00 BBC News (w172ykq8734z18c)

The latest five minute news bulletin from BBC World Service.

MON 20:06 Newshour (w172yfc5b8y1l6n)

Queen Elizabeth II buried at Windsor Castle

Queen Elizabeth II buried at Windsor Castle where Britain's longest serving monarch was laid to rest after a private service. It's been a day of immense pageantry and also of reflection -- for the monarchy, for the United Kingdom. Also in the programme: spreading unrest in Iran over the death of a woman being held by the morality police; and a US-Taliban prisoner swap.

(Photo: Pall bearers carry the coffin of the late Queen, with the Imperial State Crown resting on top to St. George's Chapel in Windsor. Credit: Reuters)

MON 21:00 BBC News (w172ykq8734z50h)

The latest five minute news bulletin from BBC World Service.

MON 21:06 Newshour (w172yfc5b8y1pys)

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Also in the programme: spreading unrest in Iran over the death of a woman being held by the morality police; and a US-Taliban prisoner swap.

(Photo: Pall bearers carry the coffin of the late Queen, with the Imperial State Crown resting on top to St. George's Chapel in Windsor. Credit: Reuters)

MON 22:00 BBC News (w172ykq8734z8rm)
The latest five minute news bulletin from BBC World Service.

MON 22:06 The Newsroom (w172y17wmhhymd0)
The world's Newsroom brings you global events as they happen

MON 23:00 BBC News (w172ykq8734zdhr)
The latest five minute news bulletin from BBC World Service.

MON 23:06 The Newsroom (w172y17wmhhyr44)
The world's Newsroom brings you global events as they happen

TUESDAY 20 SEPTEMBER 2022

TUE 00:00 BBC News (w172ykq8734zj7w)
The latest five minute news bulletin from BBC World Service.

TUE 00:06 The Documentary (w3ct3kkz)
The day I met the Queen

Winifred Robinson hears stories of meetings with Queen Elizabeth II which left a lasting impression on individuals from all over the world.
There are recollections from people who met her early in her reign, including at the time of her Coronation in 1953.
In 1966 a coal avalanche buried a school in the Welsh village of Aberfan. One of the survivors, Gaynor Madgwick, remembers Her Majesty's visit, and how she kept in touch with survivors.
A firefighter involved in the 9/11 rescue from the Twin Towers in New York in 2001 recalls the Queen's empathy with those affected.
Footballer Tim Cahill talks about meeting the Queen, while a royal photographer remembers his many encounters.
Zelda la Grange, who worked for Nelson Mandela, tells how she witnessed a special chemistry between the late South African president and the Queen.
Winifred also hears how Her Majesty connected with children suffering with HIV in Uganda.
The Day I Met The Queen is a Made in Manchester Production for the BBC World Service

Image: Queen Elizabeth II talks to recipients of new Motability vehicles during a ceremony on 25 April, 2017 in Windsor, UK (Credit: Richard Pohle/Getty Images)

TUE 01:00 BBC News (w172ykq8734zn00)
The latest five minute news bulletin from BBC World Service.

TUE 01:06 Business Matters (w172ydg17wkzjxc)
UK economy comes to a halt for Queen's state funeral

Thousands gathered in London to pay their respects to Britain's longest reigning monarch. World leaders including presidents of the United States and France attended the funeral. We hear reactions from the crowd.

Businesses in the UK have faced the difficult decision of closing their doors the day of the funeral or remain open to the public. Richard Burge, chief executive of the London Chamber of Commerce, tells us how businesses that shut came to that decision.

Queen Elizabeth II was the head of state of 15 countries in the Commonwealth. We hear what this meant for former colonies like Antigua and Barbuda from Martin Cave, executive director of the nation's Chamber of Commerce.

Ed Butler is joined throughout the programme by three guests in opposite sides of the world: ABC's business reporter Peter Ryan in Sydney, Greenwood Capital's CIO Walter Todd in South Carolina, and columnist for The Tribune Sushma Ramachandran in India.

(Picture: Queen Elizabeth II's funeral. Picture credit: Reuters)

TUE 02:00 BBC News (w172ykq8734zrr4)
The latest five minute news bulletin from BBC World Service.

TUE 02:06 The Newsroom (w172y17wmhhz3cj)
The world's Newsroom brings you global events as they happen

TUE 02:30 BBC News Summary (w172ykr2ntrp40j)
The latest two minute news summary from BBC World Service.

TUE 02:32 The Documentary (w3ct4dt0)
Finding home in Uganda

In August 1972, Idi Amin publicly condemned Ugandan Asians as 'the enemy', enforcing a brutal policy that ordered them to leave the country within 90 days. It is estimated between 60-70,000 South Asians left Uganda in fear for their lives. On the 50th anniversary of the expulsion, BBC reporter Reha Kansara follows her mum and aunt as they return to Uganda together for the first time. Setting off from their homes in the English suburbs, they journey to the sugar plantations of Kakira, to the source of the Nile in Jinja, where, shortly before the atrocities began, Reha's mum recalls shaking Idi Amin's "large hand". On a quest to find her family's origins, Reha dives into archives, visits museums and talks to historians about the migration route from India to East Africa and the impact the British Empire had on bringing South Asians to the subcontinent.

Presenter: Reha Kansara
Producers: Reena Stanton-Sharma and Alvaro Alvarez

TUE 03:00 BBC News (w172ykq8734zwh8)
The latest five minute news bulletin from BBC World Service.

TUE 03:06 Outlook (w3ct34ns)
Survivor 195: Taking down Larry Nassar

For years, former US physician Larry Nassar abused hundreds of young girls and women. As the official doctor attached to elite gymnastics teams, he used his position to conduct sexually exploitative and medically unwarranted examinations - using physical therapy as a cover. He managed to persuade hundreds of people - including police officers - that what he was doing was legitimate. Eventually, many top athletes spoke about the abuse, including World and Olympic Champion Gymnast Simone Biles. One of those women is Rachel Haines, although for a long time she was known only as 'Survivor 195'. In 2019 she decided to reveal her name and wrote a book about her experience, Abused. (This interview was first broadcast in 2019)

Presenter: Anu Anand
Producer: Alice Gioia

Get in touch: outlook@bbc.com

(Photo: Rachel Haines. Credit: Courtesy of Rachel Haines)

TUE 03:50 Witness History (w3ct3bz8)
The child evacuees of World War Two

The 1 September 1939 was Kitty Baxter's ninth birthday, it was also the day her life and millions of other people's changed with the beginning of World War Two.

Kitty was among the hundreds of thousands of children taken out of UK cities and into the countryside, away from the risk of German bombs.

She's been speaking to Laura Jones.

(Photo: child evacuees leaving a London train station. Credit: Getty Images)

TUE 04:00 BBC News (w172ykq8735007d)
The latest five minute news bulletin from BBC World Service.

TUE 04:06 The Newsroom (w172y17wmhhzbvs)
The world's Newsroom brings you global events as they happen

TUE 04:30 BBC News Summary (w172ykr2ntrpchs)
The latest two minute news summary from BBC World Service.

TUE 04:32 In the Studio (w3ct3jjg)
Errollyn Wallen

Errollyn Wallen, the Belize born British composer, tells Antonia Quirke about the inspiration behind Lady Super Spy Adventurer, which is receiving its world premiere at the proms

this year. And she invites her to the place where the piece was composed, a remote lighthouse on the Scottish coast.

Errollyn made history when she became the first Black woman to have a work performed at the Proms. She tells Antonia about breaking down barriers, and how living in a lighthouse has influenced her music, and who exactly is Lady Super Spy Adventurer.

Presented by Antonia Quirke
Produced by Stephen Hughes

TUE 05:00 BBC News (w172ykq873503zj)
The latest five minute news bulletin from BBC World Service.

TUE 05:06 Newsday (w172yf8q0340rmy)
UN nuclear watchdog concerned about second Ukrainian power plant

A new power plant affected by shelling in Ukraine - and the UN's nuclear watchdog is concerned... we head to Ukraine to find out more.

Most of the population of Puerto Rico is without power after Hurricane Fiona knocks out the power grid - President Biden has promised rapid support but will it be enough... we speak to an environmental lawyer on the US territory in the Caribbean.

And we hear about the protests and anger in Iran after a 22-year-old woman died in police custody after she had been detained by the morality police for allegedly violating the country's strict official dress code.

TUE 06:00 BBC News (w172ykq873507qn)
The latest five minute news bulletin from BBC World Service.

TUE 06:06 Newsday (w172yf8q0340wd2)
China slams Biden's reaffirmation to defend Taiwan

China has reacted angrily to President Biden's suggestion that the US would send troops to Taiwan if China invaded the disputed island... we hear from China.

There have been protests in Iran after a woman died in police custody, hours after morality police held her for allegedly breaking hijab rules.

Nine million people have been told to leave their homes in Japan as the country is battered by one of the worst typhoons it has ever experienced.

TUE 07:00 BBC News (w172ykq87350cgs)
The latest five minute news bulletin from BBC World Service.

TUE 07:06 Newsday (w172yf8q0341046)
Baltic states impose restrictions on Russia tourists

Four nations bordering Russia close doors to Russian tourists - we go to Estonia to find out why.

We hear about the protests and anger in Iran after a 22-year-old woman died in police custody - after she had been detained by the morality police for allegedly violating the country's strict official dress code

And, concern over soaring water borne diseases in flood hit areas of Pakistan.

TUE 08:00 BBC News (w172ykq87350h6x)
The latest five minute news bulletin from BBC World Service.

TUE 08:06 People Fixing The World (w3ct3j2x)
The food waste warriors

At least a third of food grown around the world fails to be eaten, with the resulting food waste causing 10 per cent of global carbon emissions.

However, there are pioneers trying to tackle different issues along the chain.

We visit a project linking farmers direct to customers in Puerto Rico, check out smart labels that extend the shelf life of food by revealing when food actually goes off, and revisit an app where millions of people share spare food for free.

Presenter: Myra Anubi
Reporter/Producer: Jo Mathys
Reporter/Producer: Claire Bates
Producer in Puerto Rico: Adriana De Jesus
Producer: Richard Kenny

Series producer: Tom Colls
Sound mix: Hal Haines
Editor: Penny Murphy

Image: Crystal Díaz

TUE 08:30 BBC News Summary (w172ykr2ntrpvh9)
The latest two minute news summary from BBC World Service.

TUE 08:32 Business Daily (w3ct316r)
Who benefits most from remote working?

The coronavirus pandemic allowed many people worldwide to work in new and radical ways. It brought some of the biggest changes for computer-based office workers, many finding themselves working from home for the first time. Research from McKinsey Global Institute, the international management consultancy firm, suggests remote work in some form, is likely to remain for this group of employees. We discuss what the continued shift towards remote work means for both businesses and employees around the world. We hear from Roseleen Kagiri, a remote worker in Nairobi, Kenya, and Hailey Walker who works from home in Chicago in the US. Matt Wilson, co-founder and co-chief executive of Omnipresent, a tech start-up, reveals why his business employs all of its workers remotely. Nick Bloom, professor of economics at Stanford University in California tells us about studies he's done on working from home and how remote work affects productivity, and Harriet Molyneux, managing director at HSM Advisory, a global advisory group focussed on the future of work based in London, explains why employers are now looking more closely at remote hybrid work to attract and retain the best talent. Presenter/producer: Tara Holmes (Image: Woman sitting at desk with cup of coffee; Credit: Getty)

TUE 08:50 Witness History (w3ct3c3s)
Ancient fossils give new insight

In 1967, a major breakthrough was made in our understanding of the evolution of the world. A student discovered fossils at Mistaken Point in Newfoundland, Canada.

The fossils give us a record of the oldest multi-cellular organisms to inhabit the earth.

Catherine Harvey has been speaking to Dr Shiva Balak Misra about his ground-breaking find.

A Made in Manchester production for BBC World Service.

(Photo: Image of Newfoundland's shores. Credit: Getty Images)

TUE 09:00 BBC News (w172ykrq87350l21)
The latest five minute news bulletin from BBC World Service.

TUE 09:06 The Documentary (w3ct4dt0)
[Repeat of broadcast at 02:32 today]

TUE 09:30 BBC News Summary (w172ykr2ntrpz7f)
The latest two minute news summary from BBC World Service.

TUE 09:32 Discovery (w3ct4kft)
Frances Arnold

Nobel Prize winning chemist Frances Arnold left home at 15 and went to school 'only when she felt like it'. She disagreed with her parents about the Vietnam war and drove big yellow taxis in Pittsburgh to pay the rent. Decades later, after several changes of direction (from aerospace engineer to bio-tech pioneer), she invented a radical new approach to engineering enzymes. Rather than try to design industrial enzymes from scratch (which she considered to be an impossible task), Frances decided to let Nature do the work. 'I breed enzymes like other people breed cats and dogs' she says.

While some colleagues accused her of intellectual laziness, industry jumped on her ideas and used them in the manufacture of everything from laundry detergents to pharmaceuticals. She talks to Jim Al-Khalili about her journey from taxi driver to Nobel Prize, personal tragedy mid-life and why advising the White House is much harder than doing scientific research.

TUE 10:00 BBC News (w172ykrq87350q5)
The latest five minute news bulletin from BBC World Service.

TUE 10:06 The Arts Hour (w3ct390n)
[Repeat of broadcast at 20:06 on Saturday]

TUE 11:00 BBC News (w172ykrq87350vg9)
The latest five minute news bulletin from BBC World Service.

TUE 11:06 The Newsroom (w172y17wmhj062p)
The world's Newsroom brings you global events as they happen

TUE 11:30 BBC News Summary (w172ykr2ntrq6qp)
The latest two minute news summary from BBC World Service.

TUE 11:32 In the Studio (w3ct31jg)
[Repeat of broadcast at 04:32 today]

TUE 12:00 BBC News (w172ykrq87350z6f)
The latest five minute news bulletin from BBC World Service.

TUE 12:06 Outlook (w3ct353b)
The letter that brought my grandmother back to life

Kiki Katese is a Rwandan playwright whose extended family were all killed in the 1994 genocide. She didn't have a chance to even meet her grandparents. Unable to mourn a grandmother she never knew, Kiki wrote her a letter to find some connection. It helped, so she encouraged others to do the same in a bid to breathe life into those who were lost and overcome the trauma that still hangs over the living. It's now a hit play: The Book of Life.

Wim Kruiswijk is a Dutch beachcomber who collects messages in bottles. He replies to every letter on his typewriter creating friendships with people all over the world. He spoke to Outlook's Katy Sheriff in 2018.

Annie Spence is a Michigan based librarian whose only friends as a child were the characters in books. She has now compiled a book of letters she has written to them, from love letters to Bilbo Baggins and letters of support to Matilda. This interview was first broadcast in 2018.

Get in touch: outlook@bbc.com

Presenter: Mobeen Azhar

(Photo: Kiki Katese. Credit: Dahlia Katz)

TUE 12:50 Witness History (w3ct3c3s)
[Repeat of broadcast at 08:50 today]

TUE 13:00 BBC News (w172ykrq873512yk)
The latest five minute news bulletin from BBC World Service.

TUE 13:06 The Newsroom (w172y17wmhj0fky)
The world's Newsroom brings you global events as they happen

TUE 13:30 BBC News Summary (w172ykr2ntrqg6y)
The latest two minute news summary from BBC World Service.

TUE 13:32 Discovery (w3ct4kft)
[Repeat of broadcast at 09:32 today]

TUE 14:00 BBC News (w172ykrq873516pp)
The latest five minute news bulletin from BBC World Service.

TUE 14:06 Newshour (w172yfc5b8y3rmz)
Moscow accelerates 'referendums' in occupied Ukraine

Russian-backed authorities in the occupied Ukrainian regions of Luhansk and Donetsk and city of Kherson say they'll hold what they're calling referendums on joining Russia, after Ukrainian counter-offensives recaptured large swathes of territory in the east.

Also in the programme: Pakistani health officials say a sharp increase in cases of water-borne diseases threatens a second disaster in flood-affected regions; and the man at the centre of the hit podcast Serial is released after 23 years behind bars, but could he face a retrial?

(Image: Russian leaders Dmitry Medvedev, Deputy head of Russia's Security Council and chairman of the United Russia party (L), General Prosecutor Igor Krasnov (2-L) and presidential administration first deputy head Sergei Kirienko (C) meet the heads of the self-proclaimed Luhansk People's Republic Leonid Pasechnik (3-R) and the self-proclaimed Donetsk People's Republic (DPR) Denis Pushilin (R) ahead of a meeting in Luhansk, Ukraine, 11 August 2022 / Credit: EPA)

TUE 15:00 BBC News (w172ykrq87351bft)
The latest five minute news bulletin from BBC World Service.

TUE 15:06 People Fixing The World (w3ct312x)
[Repeat of broadcast at 08:06 today]

TUE 15:30 BBC News Summary (w172ykr2ntrqpg6)
The latest two minute news summary from BBC World Service.

TUE 15:32 World Business Report (w172ykr8222qrlfg)
Oil and gas firms warn against divestment

As world leaders gather at the United Nations, some oil and gas firms are criticising how western governments have dealt with energy challenges. We ask CEO of Crescent Petroleum, Majid Jafar, what impact these solutions could have on the global supply of energy.

South African President Cyril Ramaphosa won't be at the UN – he's back in his country where homes and businesses are facing power cuts, while the state's main energy firm tries to control power usage in the face of dwindling supplies. We ask Dawie Roodt, Chief Economist at South African finance firm Efficient Group how this has happened.

Sierra Leone's Minister of Education tells us about a new \$1 billion commitment to education spending over the next five years, with the aim of it making it more than a fifth of the country's annual budget.

We also hear from Andy Xie, an independent economist in Shanghai, where the Chinese government has unveiled more than \$250 billion of infrastructure spending.

(Picture: UN Secretary General António Guterres. Credit: Getty Images)

TUE 16:00 BBC News (w172ykrq87351g5y)
The latest five minute news bulletin from BBC World Service.

TUE 16:06 BBC OS (w172ygr13lhgvk0)
Russian atrocities in Ukraine

Since Ukraine retook Izyum there have been more allegations of Russian atrocities. A group of Sri Lankans who were held captive for months have told their story to the BBC - we hear from the reporter who interviewed them. Also in Ukraine, the Russian-backed authorities in three occupied regions have announced plans to hold referendums on joining Russia. Our regular expert explains the story to us.

In Lebanon, there's an ongoing economic crisis. Recently there's been a string of raids by bank customers demanding access to their frozen savings. We speak to three people in Lebanon to hear about what life is like at the moment.

And in Iran protests are continuing after a 22-year-old woman died. She fell into a coma last week, hours after the Iranian police held her for allegedly breaking hijab rules. Our reporter tells us the latest.

(Photo: Izyum on the 20th September 2022. Credit: Reuters/Umit Bektaş)

TUE 17:00 BBC News (w172ykrq87351ky2)
The latest five minute news bulletin from BBC World Service.

TUE 17:06 BBC OS (w172ygr13lhgz94)
Biden says pandemic over in US

President Joe Biden has declared the pandemic is over in the US. At the same time, the number of Americans who have died from Covid continues to rise. We speak to two doctors for their analysis on where we are with Covid-19.

In Lebanon, there's an ongoing economic crisis. Recently there's been a string of raids by bank customers demanding access to their frozen savings. We speak to three people in Lebanon to hear about what life is like at the moment.

And since Ukraine retook Izyum there have been more allegations of Russian atrocities. A group of Sri Lankans who were held captive for months have told their story to the BBC - we hear from the reporter who interviewed them.

(Photo: Joe Biden at the White House on 15th September 2020. Credit: EPA/Jim Lo Scalzo)

TUE 18:00 BBC News (w172ykrq87351pp6)
The latest five minute news bulletin from BBC World Service.

TUE 18:06 Outlook (w3ct353b)
[Repeat of broadcast at 12:06 today]

TUE 18:50 Witness History (w3ct3c3s)
[Repeat of broadcast at 08:50 today]

TUE 19:00 BBC News (w172ykq87351tfb)
The latest five minute news bulletin from BBC World Service.

TUE 19:06 The Newsroom (w172yl7wmhj151q)
The world's Newsroom brings you global events as they happen

TUE 19:30 BBC News Summary (w172ykr2ntrr5pq)
The latest two minute news summary from BBC World Service.

TUE 19:32 Sport Today (w172ygfmmwybbd7)
2022/09/20 GMT

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

TUE 20:00 BBC News (w172ykq87351y5g)
The latest five minute news bulletin from BBC World Service.

TUE 20:06 The Documentary (w3ct4dt0)
[Repeat of broadcast at 02:32 today]

TUE 20:30 BBC News Summary (w172ykr2ntrr9fv)
The latest two minute news summary from BBC World Service.

TUE 20:32 Digital Planet (w3ct31yx)
Gamification – does making things fun work?

Do you track your physical activity on your phone, count your daily steps, or how many calories you've burnt? Perhaps you are learning a new language using an app or have performance-related leaderboards at work? All these things are part of gamification – making everyday tasks more fun. But is all this gameplay good for us and is there actually any evidence that it works? Digital Planet this week explores the phenomenon of gamification with guests Adrian Hon, the CEO and founder of the games developer Six to Start and co-creator of one of the world's most popular gamified apps, Zombies, Run! and Gabe Zichermann founder of six high-tech companies and author of three books on Gamification, including "Gamification by Design".

The programme is presented by Bill Thompson with expert commentary from Angelica Mari.

Studio Manager: Tim Heffer
Producer: Ania Lichtarowicz

(Image: Gamification. Credit: Getty Images)

TUE 21:00 BBC News (w172ykq873521xl)
The latest five minute news bulletin from BBC World Service.

TUE 21:06 Newshour (w172yfc5b8y4lvw)
'Walls full of pain': Russia's torture cells in Ukraine

More testimony from citizens of the newly liberated city of Izyum. Meanwhile Ukraine and its western allies have condemned Moscow's move to hold snap referendums in occupied regions so they can be annexed to Russia.

Also on the programme: more than 200 aid agencies are using the United Nations General Assembly to call on richer countries to end what they call the spiralling hunger crisis. And we meet the 17 year old Ukrainian student who has won a \$100,000 prize for inventing a drone which can find landmines.

(Picture: A cell in a prison abandoned by the Russians in Izyum
Credit: BBC)

TUE 22:00 BBC News (w172ykq873525nq)
The latest five minute news bulletin from BBC World Service.

TUE 22:06 People Fixing The World (w3ct3j2x)
[Repeat of broadcast at 08:06 today]

TUE 22:30 BBC News Summary (w172ykr2ntrrjy3)
The latest two minute news summary from BBC World Service.

TUE 22:32 In the Studio (w3ct3jjg)
[Repeat of broadcast at 04:32 today]

TUE 23:00 BBC News (w172ykq873529dv)
The latest five minute news bulletin from BBC World Service.

TUE 23:06 The Newsroom (w172yrx0s0vs9gf)
The world's Newsroom brings you global events as they happen

TUE 23:20 Sports News (w172ygh8kc4qdg4)
BBC Sport brings you all the latest stories and results from around the world.

TUE 23:30 BBC News Summary (w172ykr2ntrrp7)
The latest two minute news summary from BBC World Service.

TUE 23:32 World Business Report (w172ykhwtbqps)
Expectation rises ahead of Federal Reserve announcement

Forecasters say the Federal Reserve may increase interest rates in the US by 0.75 or even 1 percentage point. We talk to Joe Saluzzi of Themis Trading in New Jersey.

In Argentina, the Central Bank is trying to fight inflation with interest rates as high as 75%. Carolina Millan, Bureau chief for Bloomberg in the Buenos Aires office, tells us more.

A Texas sheriff has opened a criminal investigation into whether dozens of asylum seekers were illegally flown from the state to Martha's Vineyard. We hear more from Luis Fajardo, from BBC Monitoring in Miami.

New York is hosting the Climate Change Week, with business and political leaders from across the world gathering to take part. We talk to Dan Zarrilli, a professor of Climate studies at Columbia University.

(Picture: US Federal Reserve Building . Credit Reuters)

WEDNESDAY 21 SEPTEMBER 2022

WED 00:00 BBC News (w172ykq87352f4z)
The latest five minute news bulletin from BBC World Service.

WED 00:06 The Arts Hour (w3ct390n)
[Repeat of broadcast at 20:06 on Saturday]

WED 01:00 BBC News (w172ykq87352jx3)
The latest five minute news bulletin from BBC World Service.

WED 01:06 Business Matters (w172yq17w12ftg)
Markets brace for a big jump in US interest rates

The Federal Reserve is expected to announce an increase of up to one percentage point, according to some forecasts. What repercussions will this have in the US and abroad? We ask Joe Saluzzi of Themis Trading, in New Jersey.

The Central Bank of Argentina has risen interest rates to 75% in an attempt to reduce rampant inflation. Carolina Millan, Bloomberg's bureau chief in Buenos Aires, tells us more.

The Golden Globes are set to return to television screens in 2023 after being dropped by NBC last year due to a controversy over a lack of diversity among voters, among other things. We hear more from entertainment journalist KJ Matthews.

A criminal investigation has been launched against the Governor of Florida, Ron De Santis, for sending nearly 50 Venezuelan migrants on flights from Texas to Massachusetts. Why did he do that? We ask Politico's reporter in Florida, Gary Fineout.

You may have heard of quiet-quitting or opting out of tasks beyond your assigned duties and becoming less invested in work. But are you familiar with quiet firing? Bonnie Dilber, recruiting manager at tech company Zapier, explains the concept.

Ed Butler is joined throughout the programme by two guests on opposite sides of the world: Rhonda Vonshay Sharpe, founder and CEO of Wisar based in Virginia, and David Ku, co-founder of The Smart Investor, in Singapore.

(Picture: Federal Reserve Board Chairman Jerome Powell in Washington. Picture credit: Reuters)

WED 02:00 BBC News (w172ykq87352nm7)

The latest five minute news bulletin from BBC World Service.

WED 02:06 The Newsroom (w172yl7wmhj208m)
The world's Newsroom brings you global events as they happen

WED 02:30 BBC News Summary (w172ykr2ntrs0xm)
The latest two minute news summary from BBC World Service.

WED 02:32 The Compass (w3ct43cp)
The Understory: Life in the Soil

Life in soil: The death of soil

Isabelle Legeron travels to Giessen in Germany, to the original laboratory of Justus Von Liebig the brilliant 19th century chemist whose work made way for the 20th century Haber and Bosch process. Liebig joined the spirit of the Industrial Revolution, where technical solutions were set to end starvation; he set out to make the soil more productive, echoed through the 20th century with the Green Revolution. But at what cost to the soil?

With Environmentalist, Tony Juniper and Soil Scientists: Margaret Glendining, Aislinn Pearson, Hans-Peter Schmidt, Wogmar Wolters, Gerd Hamscher, Jan Siemens, Christophe Muller and Richard Bardgett.

Presenter: Isabelle Legeron
Producer: Kate Bland and Anja Krieger
A Cast Iron Production for BBC World Service

(Photo: Dried, cracked soil in a maize field near Hajduszovat, Hungary. Credit: Zsolt Czegledi/EPA)

WED 03:00 BBC News (w172ykq87352sdc)
The latest five minute news bulletin from BBC World Service.

WED 03:06 Outlook (w3ct353b)
[Repeat of broadcast at 12:06 on Tuesday]

WED 03:50 Witness History (w3ct3c3s)
[Repeat of broadcast at 08:50 on Tuesday]

WED 04:00 BBC News (w172ykq87352x4h)
The latest five minute news bulletin from BBC World Service.

WED 04:06 The Newsroom (w172yl7wmhj27rw)
The world's Newsroom brings you global events as they happen

WED 04:30 BBC News Summary (w172ykr2ntrs8dw)
The latest two minute news summary from BBC World Service.

WED 04:32 Untold Legends (w3ct43ch)
4. Queen of two courts

Basketball beckons. The elite tennis player tries a new sport – and it's a crowd puller. Ora's quickness and agility translate to the basketball court, as her career takes off in tandem with tennis. But does America have room for a true queen of two courts? Please note, this episode contains some outdated language that may offend. #UntoldLegends

WED 05:00 BBC News (w172ykq873530wm)
The latest five minute news bulletin from BBC World Service.

WED 05:06 Newsday (w172yf8q0343nk1)
Russian referendum plan for Ukraine condemned by observers

Moscow will hold four referendums in parts of Ukraine it at least partly controls on joining Russia; western countries have rejected the plan, as has Ukraine - we speak live to a Ukrainian defence specialist.

We hear from the head of one of the world's biggest humanitarian organisations - he's deeply concerned that the war in Ukraine might last many years, and has few easy solutions.

And our correspondent has found some chilling details about the last moments of the Argentinian footballer Emiliano Sala, who died in a plane crash three years ago.

WED 06:00 BBC News (w172ykq873534mr)
The latest five minute news bulletin from BBC World Service.

WED 06:06 Newsday (w172yf8q0343s95)

Four parts of eastern Ukraine plan urgent referendums to join Russia

Strong condemnation of Moscow's latest move after four Russia-occupied regions of Ukraine announced referendum plans - the West has described the planned votes to join Russia as a sham and illegal.

The head of one of the world's biggest humanitarian organisations tells the BBC he's deeply concerned that the war in Ukraine might last many years, and has few easy solutions

In the United States we hear from a Democrat politician calling for action against Florida's Republican Governor for sending migrants to another part of the US.

WED 07:00 BBC News (w172ykq873538cw)

The latest five minute news bulletin from BBC World Service.

WED 07:06 Newsday (w172yf8q0343x19)

Russia plans referendums in Ukraine as its invasion continues to flounder

There's been growing criticism of Russia's intention to hold referendums in 4 occupied parts of Ukraine on whether people there want to join the Russian federation. We go live to Russia to get the view of a politician amid speculation President Putin may announce a wider mobilisation.

Also, we speak to a leading Iranian journalist about continuing protests against the treatment of women after the death in custody of a young woman who was arrested for not wearing the hijab religious headscarf appropriately.

And a BBC investigation reveals the pilot of the plane which crashed killing Argentinian footballer, Emiliano Sala, had concerns about the state of the aircraft.

WED 08:00 BBC News (w172ykq87353d40)

The latest five minute news bulletin from BBC World Service.

WED 08:06 HARDtalk (w3ct32rf)

William Kentridge: Making art from South Africa's past

With a major exhibition of his work at London's Royal Academy of Arts due to open in just a few days' time, here is another chance to listen to Zeinab Badawi's 2020 interview with William Kentridge. Considered one of the world's greatest living artists, Kentridge is versatile, hard-hitting and his talent spans many different genres. How has South Africa's difficult, violent and racist past influenced his work?

Image: William Kentridge, Rome, 2015 (Credit: Stefano Montesi/Corbis/Getty Images)

WED 08:30 BBC News Summary (w172ykr2ntrsrd)

The latest two minute news summary from BBC World Service.

WED 08:32 Business Daily (w3ct31c8)

Business Daily meets: Paul and Mike Rabil

The sport of lacrosse has a long history, being one of the oldest sports in North America. But, for a long time, many players couldn't earn a living in the same way athletes could who were playing in established leagues like Major League Soccer or the National Football League. After a time as one of the best lacrosse players in the world, Paul Rabil, along with his brother Mike, an established businessman and investor, decided to start their own league that could give players a livelihood.

We speak to the brothers to find out the challenges of starting a league from the ground up, and how they had to convince players to join them, and from there, we also find out how it could be going global, and why the story has been turned into a major documentary that has aired on ESPN.

Presenter: Rahul Tandon, Producer: Ed Butler

(Image: Paul and Mike Rabil at an event; Credit: Craig Barritt/Getty Images for Premier Lacrosse League)

WED 08:50 Witness History (w3ct3c61)

The first Pope to visit Africa

In the 1960s, popes rarely left the Vatican City. So it was a major event when Pope Paul VI accepted an invitation to visit Uganda in 1969.

Hugh Costello talks to Mobina Jaffer, whose Ismaili Muslim family played an enthusiastic role in welcoming the Pope to the family's hotel.

A Whistledown production for BBC World Service.

(Photo: Pope Paul VI meets President of Uganda Apollo Milton Obote. Credit: Getty Images)

WED 09:00 BBC News (w172ykq87353hw4)

The latest five minute news bulletin from BBC World Service.

WED 09:06 The Compass (w3ct43cp)

[Repeat of broadcast at 02:32 today]

WED 09:30 BBC News Summary (w172ykr2ntrsw4j)

The latest two minute news summary from BBC World Service.

WED 09:32 Digital Planet (w3ct31yx)

[Repeat of broadcast at 20:32 on Tuesday]

WED 10:00 BBC News (w172ykq87353mm8)

The latest five minute news bulletin from BBC World Service.

WED 10:06 The Documentary (w3ct43qk)

[Repeat of broadcast at 12:06 on Saturday]

WED 11:00 BBC News (w172ykq87353rcd)

The latest five minute news bulletin from BBC World Service.

WED 11:06 The Newsroom (w172yl7wmhj32zs)

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

WED 11:30 BBC News Summary (w172ykr2ntrt3ms)

The latest two minute news summary from BBC World Service.

WED 11:32 Untold Legends (w3ct43ch)

[Repeat of broadcast at 04:32 today]

WED 12:00 BBC News (w172ykq87353w3j)

The latest five minute news bulletin from BBC World Service.

WED 12:06 Outlook (w3ct3y8x)

How Rennie Harris danced his way into the spotlight

As a child, Rennie Harris saw unspeakable violence on the streets of Philadelphia and often thought about becoming a priest. Instead, he discovered the healing power of hip-hop. Rennie was a teenager in the 1980s, at the same time that hip-hop was emerging into the mainstream. A talented dancer, he got the gig of a lifetime – dancing on tour with some of hip-hop's biggest names including Run-D.M.C. and LL Cool J. But amongst the success there was also resistance – towards Rennie and his work. Undeterred, he founded a pioneering street dance company that pushed the boundaries of contemporary dance. Over 30 years later, he continues to create work that confounds expectations.

If you've been affected by any of the issues in this episode, you can find information about where to get help or support through the BBC Action Line website.

Get in touch: outlook@bbc.com

Presenter: Mobeen Azhar
Producer: May Cameron

(Photo: Rennie Harris. Credit: Iris Schneider/Getty)

WED 12:50 Witness History (w3ct3c61)

[Repeat of broadcast at 08:50 today]

WED 13:00 BBC News (w172ykq87353zvn)

The latest five minute news bulletin from BBC World Service.

WED 13:06 The Newsroom (w172yl7wmhj3bh1)

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

WED 13:30 BBC News Summary (w172ykr2ntrtc41)

The latest two minute news summary from BBC World Service.

WED 13:32 Digital Planet (w3ct31yx)

[Repeat of broadcast at 20:32 on Tuesday]

WED 14:00 BBC News (w172ykq873543ls)

The latest five minute news bulletin from BBC World Service.

WED 14:06 Newshour (w172yfc5b8y6nk2)

Putin calls up reservists for war in Ukraine

President Putin says military reservists are to be sent to Ukraine as part of a partial mobilisation of Russian forces. In a televised address to the nation, he said this was a necessary step to ensure Russian territorial integrity. We hear reaction from Ukraine and Germany. Also on the programme: how the normally sedate world of top-level chess has been turned upside down this week by an extraordinary spat between the world champion Magnus Carlsen and a young US player, Hans Niemann. (Image: Russian President Vladimir Putin makes an address, still image taken from video released September 21, 2022. Russian Presidential Press Service/Kremlin via REUTERS)

WED 15:00 BBC News (w172ykq873547bx)

The latest five minute news bulletin from BBC World Service.

WED 15:06 HARDtalk (w3ct32rf)

[Repeat of broadcast at 08:06 today]

WED 15:30 BBC News Summary (w172ykr2ntrtlm9)

The latest two minute news summary from BBC World Service.

WED 15:32 World Business Report (w172yk9pyj6y6c4)

World waits for the Fed

As global markets wait for the latest interest rate decision from the US Federal Reserve, Sarah House, Senior Economist at Wells Fargo Corporate and Investment Banking in North Carolina explains why the impact of a decision taken in Washington will be felt around the world.

Professor Monica Schnitzer, one of the five members of The German Council of Economic Experts, joins World Business Report to give her reaction to Germany's decision to nationalise the country's biggest gas provider, Uniper.

As IMF officials continue crisis bailout talks in Lebanon, we hear from the country's former finance minister, Dr Nasser Saidi, about how the Lebanese people are being affected.

And we find out how one of the best lacrosse players in the world, Paul Rabil, teamed up with his brother Mike to found North America's biggest lacrosse league.

(Picture: US Federal Reserve Chair Jerome Powell. Credit: Getty Images)

WED 16:00 BBC News (w172ykq87354c31)

The latest five minute news bulletin from BBC World Service.

WED 16:06 BBC OS (w172yg1r3lhkrg3)

Putin calls up reservists

President Putin says up to 300,000 military reservists are to be sent to Ukraine as part of a partial mobilisation of Russian forces. In a televised address to the nation, he said this was a necessary step to ensure Russian territorial integrity. Our correspondents on the ground give us the latest reaction from the region and the wider world.

We'll also connect you with three Russian men whose lives have been impacted by the announcement. They, like many others are awaiting more details on whether they or their loved ones will be told to join.

It's day two of The United Nations General Assembly in New York. We'll bring you live coverage as global leaders take to the podium.

And there have been tensions between Muslim and Hindu communities in the English city of Leicester. Our reporter on the ground will tell us more.

(Photo: Russian President Vladimir Putin makes an address on the conflict with Ukraine, in Moscow, Russia. Credit: Reuters)

WED 17:00 BBC News (w172ykq87354gv5)

The latest five minute news bulletin from BBC World Service.

WED 17:06 BBC OS (w172yg1r3lhkw67)

Russia's troop call up

President Putin says up to 300,000 military reservists are to be sent to Ukraine as part of a partial mobilisation of Russian forces. In a televised address to the nation, he said this was a necessary step to ensure Russian territorial integrity. Our

security correspondent Frank Gardner gives us his assessment. He will explain what this could mean for the fighting on the ground.

We'll also connect you with three Russian men whose lives have been impacted by the announcement. They, like many others are awaiting more details on whether they or their loved ones will be told to join.

It's day two of The United Nations General Assembly in New York. We'll bring you live coverage as global leaders take to the podium.

(Photo: A Russian service member stands next to a mobile recruitment center for military service under contract in Rostov-on-Don. Credit: Reuters/Sergey Pivovarov)

WED 18:00 BBC News (w172ykq87354l09)
The latest five minute news bulletin from BBC World Service.

WED 18:06 Outlook (w3ct3y8x)
[Repeat of broadcast at 12:06 today]

WED 18:50 Witness History (w3ct3c61)
[Repeat of broadcast at 08:50 today]

WED 19:00 BBC News (w172ykq87354qbf)
The latest five minute news bulletin from BBC World Service.

WED 19:06 The Newsroom (w172yl7wmhj41yt)
The world's Newsroom brings you global events as they happen

WED 19:30 BBC News Summary (w172ykr2ntrv2lt)
The latest two minute news summary from BBC World Service.

WED 19:32 Sport Today (w172ygfmmwyf79b)
2022/09/21 GMT

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

WED 20:00 BBC News (w172ykq87354v2k)
The latest five minute news bulletin from BBC World Service.

WED 20:06 The Compass (w3ct43cp)
[Repeat of broadcast at 02:32 today]

WED 20:30 BBC News Summary (w172ykr2ntrv6by)
The latest two minute news summary from BBC World Service.

WED 20:32 Health Check (w3ct32wy)
Egypt's hepatitis C success story

Egypt has almost eliminated the 'silent killer' hepatitis C – less than a decade after having the highest number of cases of the virus in the world. A new report from the World Economic Forum details how they managed to screen almost the whole adult population and treated those infected with the virus which can cause liver damage and even cancer. Professor Imam Waked from the National Liver Institute explains how other countries like Rwanda and Georgia are now following suit – but not quite at the rapid pace which Egypt managed.

There is currently a rise in cases of cholera in Syria, and outbreaks of malaria and dengue fever in Pakistan, but for opposite reasons. The first is caused by a drought, and the latter by a flood.

And what psychology can tell us about the behaviour of crowds when there's a false alarm but people feel genuine fear.

And James Gallagher reveals what nightmares and learning a musical instrument tell us about our brains.

Presenter: Claudia Hammond
Producer: Paula McGrath

(Picture: Labourers line up for Hepatitis C screening at a construction site in Egypt in 2017. Photo credit: Khaled Desouki/AFP/Getty Images.)

WED 21:00 BBC News (w172ykq87354ytp)
The latest five minute news bulletin from BBC World Service.

WED 21:06 Newshour (w172yfc5b8y7hrz)

Biden: Russia 'extinguishing Ukraine's right to exist'

President Putin has ordered a partial military mobilisation, accusing the West of trying to destroy Russia. Three-hundred-thousand additional personnel will now be available to fight in Ukraine.

Also on the programme: A Russian man who refuses to fight in Ukraine; and the Turkish Nobel Laureate, Orhan Pamuk, on his writing and the shrinking spaces for free speech in his country.

Picture: President Putin addressing engineers in Novgorod.
Credit: Sputnik/ EPA / Shutterstock

WED 22:00 BBC News (w172ykq873552kt)
The latest five minute news bulletin from BBC World Service.

WED 22:06 HARDtalk (w3ct32rf)
[Repeat of broadcast at 08:06 today]

WED 22:30 BBC News Summary (w172ykr2ntrvf6)
The latest two minute news summary from BBC World Service.

WED 22:32 Untold Legends (w3ct43ch)
[Repeat of broadcast at 04:32 today]

WED 23:00 BBC News (w172ykq8735569y)
The latest five minute news bulletin from BBC World Service.

WED 23:06 The Newsroom (w172yxr0s0vw6cj)
The world's Newsroom brings you global events as they happen

WED 23:20 Sports News (w172ygh8kc49c7)
BBC Sport brings you all the latest stories and results from around the world.

WED 23:30 BBC News Summary (w172ykr2ntrvklb)
The latest two minute news summary from BBC World Service.

WED 23:32 World Business Report (w172ykbjd8jy6g)
The Fed raises interest rates for the third time

The Federal Reserve increases interest rates by 0.75 percentage points to fight inflation. The new target range is now 3% to 3.25%, the highest level in almost 15 years. We talk to Tom Sullivan, the U.S. Chamber of Commerce's Vice President of Small Business policy. The Central Bank of Brazil is expected to keep its interest rate at 13.75%, which would mark the first slowdown in policy tightening by the bank since early 2021. BBC Brazil's Thais Carrançá tells us more from São Paulo. Margarthe Vestager, one of the European Commission's executive vice presidents and its competition commissioner, tells the BBC's Victoria Craig that funding alternative technologies will be a crucial element of the transition to greener sources of energy. And we take a look at the latest from the markets with Susan Schmidt, head of US Equity at Exchange Capital Resources in Chicago. (Picture: Jerome Powell in a press conference. Picture credit: EPA.)

THURSDAY 22 SEPTEMBER 2022

THU 00:00 BBC News (w172ykq87355b22)
The latest five minute news bulletin from BBC World Service.

THU 00:06 The Documentary (w3ct43qk)
[Repeat of broadcast at 12:06 on Saturday]

THU 01:00 BBC News (w172ykq87355ft6)
The latest five minute news bulletin from BBC World Service.

THU 01:06 Business Matters (w172ydq17w15bqk)
US interest rates hit 14-year high in inflation battle

The US central bank has pushed interest rates to the highest level in almost 15 years as it fights to rein in soaring prices in the world's biggest economy. The rate has gone up by 0.75 percentage points for the third time in a row. We hear from Tom Sullivan from the U.S. Chamber of Commerce. He is the Vice President of Small Business policy. Also on the programme, we talk to Randal Kroszner an economist at The University of Chicago Booth School of Business and former member of the Federal Reserve Board of Governors. Analysts predict the Bank of Japan will maintain its ultra-low interest rates despite pressure on the country's currency. Yoko Ishikura is a Professor Emeritus, Hitotsubashi University and currently a

member of the World Economic Forum's Expert Network in Tokyo shares her thoughts. Let's turn to one country where a stronger dollar could be bad news for its economy and is about to make interest rate decisions of its own. And we go to Brazil to get reaction to The Central Bank of Brazil's decision to keep its interest rate at 13.75 per cent. Maria Eloisa Capurro is a central bank reporter for Bloomberg in Brazil and gives us her thoughts from the financial capital São Paulo. (Picture: . Federal Chair Jerome Powell Picture credit: EPA)

THU 02:00 BBC News (w172ykq87355kbb)
The latest five minute news bulletin from BBC World Service.

THU 02:06 The Newsroom (w172yl7wmhj4x5q)
The world's Newsroom brings you global events as they happen

THU 02:30 BBC News Summary (w172ykr2ntrvxtq)
The latest two minute news summary from BBC World Service.

THU 02:32 Assignment (w3ct3044)
A 'Me Too' moment for Israel's ultra-Orthodox Jews?

Israel's ultra-Orthodox Jewish community is struggling to come to terms with high-profile sex abuse scandals. In the past year, two of its leading lights were accused of taking advantage of their status to sexually assault vulnerable women, men, and children. What has added to the shock is how, after one of the alleged attackers committed suicide, religious leaders in this insular, devout community defended him and even blamed his victims for causing his death by speaking out.

The response sparked anger and triggered an unprecedented wave of activism to raise awareness of hidden sex abuse within the ultra-Orthodox world. Some are describing it as a "me-too" moment. The BBC's Middle East correspondent, Yolande Knell hears from survivors of sexual assault and the campaigners within the ultra-Orthodox community working towards lasting change.

Presenter: Yolande Knell
Producers: Gabrielle Weiniger and Phoebe Keane
Editor: Penny Murphy

Photo: A child sex abuse survivor prays at the grave of his alleged abuser

THU 03:00 BBC News (w172ykq87355p9g)
The latest five minute news bulletin from BBC World Service.

THU 03:06 Outlook (w3ct3y8x)
[Repeat of broadcast at 12:06 on Wednesday]

THU 03:50 Witness History (w3ct3c61)
[Repeat of broadcast at 08:50 on Wednesday]

THU 04:00 BBC News (w172ykq87355t1l)
The latest five minute news bulletin from BBC World Service.

THU 04:06 The Newsroom (w172yl7wmhj54nz)
The world's Newsroom brings you global events as they happen

THU 04:30 BBC News Summary (w172ykr2ntrw59z)
The latest two minute news summary from BBC World Service.

THU 04:32 The Food Chain (w3ct38nd)
Food for mood

Mental health is a hugely complex issue with many causes. There's no simple answer, then, when it comes to therapies for conditions like anxiety and depression. But a growing body of research is now supporting a connection between nutrition and mental health - that what you eat can have a role to play in reducing symptoms of depression and anxiety.

It's an emerging field, but dietary recommendations for patients are already being made in clinical settings. Jordan Dunbar explores the scientific evidence for this, and what a 'happier diet' might look like.

He speaks to Professor Felice Jacka, Director of the Food and Mood Centre at Deakin University in Australia; US psychiatrist Dr Emily Deans; UK-based chef, Daniel Edwards, and nutritionist Dr Nada Benajiba, who's based in Saudi Arabia.

If you've been affected by the content of this programme, information and support is available via the BBC Action Line. Go to <https://www.bbc.co.uk/actionline>

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

(Picture: Woman holding a pot of mixed berries. Credit: Getty/BBC)

Producer: Elisabeth Mahy

THU 05:00 BBC News (w172ykq87355xsq)

The latest five minute news bulletin from BBC World Service.

THU 05:06 Newsday (w172yf8q0346kg4)

Russia and Ukraine exchange prisoners of war

Russia and Ukraine have completed a major prisoner of war exchange, including leaders of the Ukrainian Azov battalion captured after the long siege of Mariupol.

In a speech to the UN General Assembly, President Volodymyr Zelensky has called for a special war tribunal to hold Russia accountable and for a compensation fund to make it pay for the war.

And reports from Iran say the capital has seen its biggest night of unrest for some years as people continue to protest about the death of a young woman in police custody.

THU 06:00 BBC News (w172ykq873561jv)

The latest five minute news bulletin from BBC World Service.

THU 06:06 Newsday (w172yf8q0346p68)

Turkey and Saudi Arabia broker prisoner swap between Russia and Ukraine

Russia and Ukraine have completed a major prisoner of war exchange, including leaders of the Ukrainian Azov battalion captured after the long siege of Mariupol.

In a speech to the UN General Assembly, President Volodymyr Zelensky has called for a special war tribunal to hold Russia accountable for the war in Ukraine and for a compensation fund to make it pay for the war.

And the World Health Organization says Malawi has eliminated trachoma, the leading infectious cause of blindness, as a public health problem.

THU 07:00 BBC News (w172ykq8735658z)

The latest five minute news bulletin from BBC World Service.

THU 07:06 Newsday (w172yf8q0346syd)

Russians scramble for flights out amid military call-up

Large numbers of Russians are rushing to book one-way tickets out of the country after President Vladimir Putin announced a partial mobilisation of military reservists for the war in Ukraine.

In an address to the UN General Assembly, the President Volodymyr Zelensky, has said Russia must face just punishment for its aggression.

And nine people are now reported to have been killed at protests in Iran sparked by the death of a woman detained for allegedly breaking strict hijab rules.

THU 08:00 BBC News (w172ykq87356913)

The latest five minute news bulletin from BBC World Service.

THU 08:06 The Inquiry (w3ct39tj)

How close did Iraq come to civil war?

August 2022. Political tensions in Iraq boil over, and peaceful demonstrations outside the country's parliament turn violent. The sounds of gun and rocket fire return to Baghdad, and 30 people are killed.

The violence ends when populist leader Muqtada al-Sadr tells his followers to lay down their arms and go home. His Sadrist party won the most seats in the previous election, but his inability to form a majority government has led to the political deadlock.

Politics in a country as diverse as Iraq is complicated, with Shia, Sunni and Kurdish groups, and well-armed militias. Add oil revenues and political interference by Iraq's neighbour Iran into the mix, and you have a potentially volatile situation.

So this week on the Inquiry we're asking, How close did Iraq come to civil war?

Presenter: Tanya Beckett
Producers: Ravi Naik and Christopher Blake
Editor: Tara McDermott
Technical Producers: Richard Hannaford and Mitch Goodall
Broadcast Coordinator: Jacqui Johnson

(Image: Supporters storm Republican Palace after Iraqi Shiite cleric Moqtada al-Sadr announced retirement from politics, Baghdad, Iraq - 29 Aug 2022:
by MURTAJA LATEEF/EPA-EFE/REX/Shutterstock)

THU 08:30 BBC News Summary (w172ykr2ntrwn9h)

The latest two minute news summary from BBC World Service.

THU 08:32 Business Daily (w3ct3127)

Why everyone wants a 'blue tick' on social media

For online influencers getting verification - a blue tick next to their social media account name - is the ultimate prize. It brings credibility and elevates their status online.

Presenter David Harper investigates how accounts can become 'verified', what it means, and if you make your money through online platform, how much is it actually worth?

David speaks to Matt Navarra, a social media consultant and industry analyst. Matt has worked for Meta and Google amongst others and says he asked how to get a blue tick dozens of times each week. He explains why verification is useful to brands and users.

Entrepreneur Jacques Bastien lives in New York, he works with different brands and companies, and explains why verification is so important for his clients, making them seem more trustworthy. He says the blue tick has a financial benefit which is hard to quantify, but is there.

And the BBC's China media analyst Kerry Allen explains the different approach by Sina Weibo, where accounts are checked and 'verified' to a certain degree when an account is created. She explains the different 'V' system that accounts have depending on who owns the account.

Presented and produced by David Harper.

(Image: Social media influencer. Credit: Getty)

THU 08:50 Witness History (w3ct3c1j)

Iran-Iraq War begins

The Iran-Iraq war began on 22 September 1980. It lasted for eight years and became one of the bloodiest wars in recent history.

Pooneh Ghoddoosi was just a child when it started - a teenager when it ended. She told her story to Alan Johnston in 2010.

(Photo: Iranian artillery, tanks, arms and munitions. Credit: AFP via Getty Images)

THU 09:00 BBC News (w172ykq87356ds7)

The latest five minute news bulletin from BBC World Service.

THU 09:06 Assignment (w3ct3044)

[Repeat of broadcast at 02:32 today]

THU 09:30 BBC News Summary (w172ykr2ntrws1m)

The latest two minute news summary from BBC World Service.

THU 09:32 Health Check (w3ct32wy)

[Repeat of broadcast at 20:32 on Wednesday]

THU 10:00 BBC News (w172ykq87356jic)

The latest five minute news bulletin from BBC World Service.

THU 10:06 The Forum (w3ct38sx)

A forgotten founder of climate science: Eunice Newton Foote

Eunice Newton Foote was the first person to suggest that an atmosphere rich in carbon dioxide would lead to a warmer planet, but her discovery was largely ignored and her name disappeared for more than 150 years. She fell into such obscurity that there's no known picture of her.

Bridget Kendall explores the life of this American scientist and inventor and asks why her ground-breaking research, carried out in the 1850s, was overlooked for so long. Discrimination against women, especially in the sciences, was a major reason, but might a transatlantic power struggle and even a case of intellectual theft have played their parts?

Eunice was also one of the founding members of the women's rights movement in the United States - we discuss how she helped launch a campaign that would eventually win women the right to vote.

Plus, the story of how her work was recently re-discovered, and the quest to ensure her name gains greater recognition.

For more on Eunice and other key figures in the history of climate change visit <https://bbc.in/3QXkiru>

Producer: Simon Tulett

Contributors:

John Perlin, a research scholar in the department of physics at the University of California, Santa Barbara, USA, who is working on what's thought to be the first biography of Eunice Newton Foote;

Sally Gregory Kohlstedt, a recently retired professor of history from the University of Minnesota, USA, and expert on women and gender in the history of science;

Roland Jackson, a historian of nineteenth century science, honorary research Fellow in the Department of Science and Technology Studies at University College London, and author of 'The Ascent of John Tyndall';

Ray Sorenson, retired petroleum geologist, Oklahoma, USA;

Judith Wellman, professor emerita at the State University of New York at Oswego, USA.

(Picture: Smoke billowing from chimneys at the coal-fired Belchatów Power Station, Poland, in 2009. Credit: Peter Andrews/Reuters).

THU 10:50 Sporting Witness (w3ct36g2)

Derartu Tulu: Africa's first black female Olympic champion

At the Barcelona Olympics in 1992, Derartu Tulu, from Ethiopia, became the first black African woman to win a gold medal.

She speaks to Rachel Naylor about winning the 10,000 metres and beating South Africa's Elana Meyer.

(Photo: Ethiopia's Derartu Tulu (L) and Elana Meyer of South Africa join hands in a victory lap after the women's 10,000m final at Barcelona Olympics in 1992. Credit: Getty Images)

THU 11:00 BBC News (w172ykq87356n8h)

The latest five minute news bulletin from BBC World Service.

THU 11:06 The Newsroom (w172yl7wmhj5zww)

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

THU 11:30 BBC News Summary (w172ykr2ntrx0jw)

The latest two minute news summary from BBC World Service.

THU 11:32 The Food Chain (w3ct38nd)

[Repeat of broadcast at 04:32 today]

THU 12:00 BBC News (w172ykq87356s0m)

The latest five minute news bulletin from BBC World Service.

THU 12:06 Outlook (w3ct34wk)

I didn't realise I was homeless

What makes a home? The eternal question of belonging, explored today through two very different stories.

Elegance Bratton spent eight years living on the streets of New York and New Jersey, but he didn't realise he was homeless. He was part of the local gay community and, despite his situation, felt like he had found his home. Elegance was recruited by the marines where he discovered his talent as a filmmaker. He's written and directed a feature film inspired by his life story called The Inspection which has just premiered at the Toronto International Film Festival. It's dedicated to his mother who passed away in 2020. This interview was first broadcast in August 2018.

Shyam Shah was born in London to Kenyan/Indian parents. At the age of five, his family moved back to Kenya where initially he found it hard to settle. Their home was always full of music and it was in Congolese music that he found his spiritual home. He is now lead guitarist in the London-based Congolese Cuban Rumba band Grupo Lokito and their debut album is dropping soon.

Get in touch: outlook@bbc.com

(Photo: Film-maker Elegance Bratton. Credit: Gioncarlo Valentine)

THU 12:50 Witness History (w3ct3c1j)

[Repeat of broadcast at 08:50 today]

THU 13:00 BBC News (w172ykq87356wrr)

The latest five minute news bulletin from BBC World Service.

THU 13:06 The Newsroom (w172yl7wmhj67d4)

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

THU 13:30 BBC News Summary (w172ykr2ntrx814)

The latest two minute news summary from BBC World Service.

THU 13:32 Health Check (w3ct32wy)

[Repeat of broadcast at 20:32 on Wednesday]

THU 14:00 BBC News (w172ykq873570hw)

The latest five minute news bulletin from BBC World Service.

THU 14:06 Newshour (w172yfc5b8y9kg5)

Major prisoner swap welcomed by Ukraine

Ukrainians have been celebrating the largest prisoner exchange with Russia since the war started. More than 200 Ukrainian captives have been released, in exchange for 55 Russians and a pro-Russian Ukrainian politician, Viktor Medvedchuk. We'll hear from the sister of one of the freed men.

Also in the programme: For a sixth day, Iranians are out in the streets protesting against the death of a young woman in police custody; and scientists say they have found a promising new treatment for some people with motor-neurone disease.

(Photo: More than 200 Ukrainian soldiers were exchanged for 55 Russian troops, and politician Viktor Medvedchuk, last night. Credit: Reuters)

THU 15:00 BBC News (w172ykq87357480)

The latest five minute news bulletin from BBC World Service.

THU 15:06 The Inquiry (w3ct39tj)

[Repeat of broadcast at 08:06 today]

THU 15:30 BBC News Summary (w172ykr2ntrxjd)

The latest two minute news summary from BBC World Service.

THU 15:32 World Business Report (w172yk6f5mjkmk2)

Currencies take a hit as interest rates climb

Currencies around the world have been reacting after interest rate rises from the US Federal Reserve and the Bank of England. We speak to Seiji Takeda, Professor at the University of Shizuoka's School of Management and Innovation, and Debosmita Sarkar from the Observer Research Foundation, a thinktank in Kolkata, to find out what it's meant for the rupee and the yen.

Professor Erik Gordon from the Ross School of Business at the University of Michigan explains why Honda has taken the decision to reduce output by 40% across two of their production lines.

As the country continues to deal with load-shedding, South Africa turns to wind farms as a possible solution. We find out how that'll work from Niveshen Govender, CEO of the South African Wind Energy Association.

And Jamie Njoku-Goodwin, CEO of UK Music, explains how well the UK music industry is recovering after the coronavirus pandemic.

(Picture: Bank of England, Threadneedle Street, London. Credit: Getty Images)

THU 16:00 BBC News (w172ykq87357804)

The latest five minute news bulletin from BBC World Service.

THU 16:06 BBC OS (w172yg1r3lhnc6)

Russians leaving after troop call-up

Large numbers of Russians have been leaving their country, a day after President Putin announced a mobilisation of some

military reservists to fight in Ukraine. We find out about the situation at the borders and hear from people who are trying to leave or who are protesting.

We bring a conversation with Iranian women outside the country discussing the protests in Iran, sparked by the death of Mahsa Amini.

We continue to hear about the impact of the economic crisis on everyday life in Lebanon. We speak to a cancer patient whose medicine isn't available in the country anymore and to an oncologist who sees patients that can't afford their care.

(Photo: A queue of cars is seen at the Zemo Larsi/Verkhny Lars checkpoint on the Russia-Georgia border, September 21, 2022, in this still image obtained from a video. Credit: RFE/RL's Georgian Service/Handout via REUTERS)

THU 17:00 BBC News (w172ykq87357cr8)

The latest five minute news bulletin from BBC World Service.

THU 17:06 BBC OS (w172yg1r3lhns3b)

Iran protests continue

Protests in Iran over the death of a young Kurdish woman in police custody have spread to dozens of cities and towns, with some people calling for an end to the Islamic Republic. The father of Mahsa Amini has been telling BBC Persian about his conversation with the authorities. We speak to two Iranian women outside the country and to our colleague with the BBC's Disinformation Team.

Large numbers of Russians have been leaving their country, a day after President Putin announced a mobilisation of some military reservists to fight in Ukraine. We find out about the situation at the borders and hear from people who have been protesting against the call-up.

We continue to hear about the impact of the economic crisis on everyday life in Lebanon. We speak to a cancer patient whose medicine isn't available in the country anymore, and an oncologist who sees patients that can't afford their care.

(Photo: Protest in Iran following Mahsa Amini's death, Tehran, Iran Islamic Republic Of - 21 Sep 2022. Credit: Photo by STR/EPA-EFE/REX/Shutterstock)

THU 18:00 BBC News (w172ykq87357hhd)

The latest five minute news bulletin from BBC World Service.

THU 18:06 Outlook (w3ct34wk)

[Repeat of broadcast at 12:06 today]

THU 18:50 Witness History (w3ct3c1j)

[Repeat of broadcast at 08:50 today]

THU 19:00 BBC News (w172ykq87357m7j)

The latest five minute news bulletin from BBC World Service.

THU 19:06 The Newsroom (w172yl7wmhj6yvx)

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

THU 19:30 BBC News Summary (w172ykr2ntrzxhs)

The latest two minute news summary from BBC World Service.

THU 19:32 Sport Today (w172ygfmmwyj46f)

2022/09/22 GMT

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

THU 20:00 BBC News (w172ykq87357qzn)

The latest five minute news bulletin from BBC World Service.

THU 20:06 Assignment (w3ct3044)

[Repeat of broadcast at 02:32 today]

THU 20:30 BBC News Summary (w172ykr2ntry381)

The latest two minute news summary from BBC World Service.

THU 20:32 Science In Action (w3ct369k)

Should we mine the deep sea?

The first license of its kind has been granted for deep-sea mining. It will be used to run early tests to see whether the

seabed could be good place to harvest rare earth materials in the future. These earth minerals are what powers much of our modern technology, and the demand is growing year on year.

The license raises ethical questions about whether anyone has ownership over the seabed, and whether we could be disrupting ecosystems under the sea in doing so. We have two experts joining us to discuss the scientific implications. They are marine biologist, Dr Helen Scales and Bramley Murton from the National Oceanographic Centre, Southampton University.

Also on the programme, we build on last week's discussion about growing opportunities for researchers on the African continent. We look at how programmes of genomic sequencing are offering opportunities for Africa-based researchers, that haven't been available before.

And lastly, we talk to Thilo Kreuger, a PhD student at Curtin University, Western Australia, who's behind the discovery of a whole new species of carnivorous plants. We discuss what it's like fulfilling a lifelong dream to discover more about these spectacular plant species.

(Image: The Metals Company plans to mine the seafloor for these nodules containing nickel, cobalt, and manganese in the Clarion Clipperton Zone of the Pacific Ocean. (Carolyn Cole / Los Angeles Times via Getty Images)

Presenter: Roland Pease

Producer: Harrison Lewis, Robbie Wojciechowski

THU 21:00 BBC News (w172ykq87357vqs)

The latest five minute news bulletin from BBC World Service.

THU 21:06 Newshour (w172yfc5b8ybdp2)

Unrest spreads to nearly every province of Iran

As unrest spreads to nearly every province of Iran - we hear from the father of the young woman, whose death in the custody of the morality police sparked the protests:

In Tehran, there have been running battles between Iranian police and anti-government protests.

Also in the programme: As Russian men of fighting age - who don't want to go to Ukraine - fight to get to the borders, we hear about the precautions taken by Russia's anti-war protesters; and a UN report finds that crimes against humanity may have been committed in Ethiopia's civil war.

(Photo shows people clash with police during a protest in Tehran, Iran following the death of Mahsa Amin on 21 September 2022. Credit: EPA)

THU 22:00 BBC News (w172ykq87357zgs)

The latest five minute news bulletin from BBC World Service.

THU 22:06 The Inquiry (w3ct39tj)

[Repeat of broadcast at 08:06 today]

THU 22:30 BBC News Summary (w172ykr2ntrybr9)

The latest two minute news summary from BBC World Service.

THU 22:32 The Food Chain (w3ct38nd)

[Repeat of broadcast at 04:32 today]

THU 23:00 BBC News (w172ykq87358371)

The latest five minute news bulletin from BBC World Service.

THU 23:06 The Newsroom (w172yrx0s0vz38m)

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

THU 23:20 Sports News (w172ygh8kc4x68b)

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

THU 23:30 BBC News Summary (w172ykr2ntryghf)

The latest two minute news summary from BBC World Service.

THU 23:32 World Business Report (w172yk77mc48wyd)

Russian economy under strain after many flee to border following military call-up

Large numbers of Russian citizens are trying to leave the country to escape the military mobilisation announced by Vladimir Putin. Direct flights to visa-free countries are sold out, and long queues of cars are lining up at the borders. Professor

Nikolai Petrov, Senior Research Fellow with the Russia Programme at think tank Chatham House in London talks about the impact of this on the economy. Bad weather has knocked out the entire electricity supply on the Caribbean island of Puerto Rico as Hurricane Fiona causes havoc. We hear from Angelique Sina who runs a business on the Island. And Sean O' Kane an Auto Reporter with Bloomberg News talks about the fallout from electric car giant Tesla after it recalls more than a million cars. (Picture: Vehicles with Russians trying to enter Estonia: Credit: Reuters)

FRIDAY 23 SEPTEMBER 2022

FRI 00:00 BBC News (w172ykq873586z5)

The latest five minute news bulletin from BBC World Service.

FRI 00:06 The Forum (w3ct38sx)

[Repeat of broadcast at 10:06 on Thursday]

FRI 00:50 Sporting Witness (w3ct36g2)

[Repeat of broadcast at 10:50 on Thursday]

FRI 01:00 BBC News (w172ykq87358bq9)

The latest five minute news bulletin from BBC World Service.

FRI 01:06 Business Matters (w172ydg17w187mn)

Russian citizens leave country to escape the military mobilisation

Large numbers of Russian citizens are trying to leave the country to escape the military mobilisation announced by Vladimir Putin. Direct flights to visa-free countries are sold out, and long queues of cars are lining up at the borders. Professor Nikolai Petrov, Senior Research Fellow with the Russia Programme at think tank Chatham House in London talks about the impact of this on the economy. Boeing has agreed to pay two hundred million dollars over charges it misled investors over the safety of its 737 max aircraft which were involved in two deadly crashes. David Shepardson from Reuters gives us his reaction to the story. Bad weather has knocked out the entire electricity supply on the Caribbean island of Puerto Rico as Hurricane Fiona causes havoc. We hear from Angelique Sina who runs a business on the Island. Also Sean O' Kane an Auto Reporter with Bloomberg News talks about the fallout from electric car giant Tesla after it recalls more than a million cars. Toronto based technology journalist Takara Small and freelance writer and former Senior Editor at The Hindustan Times Madhavan Narayan offer their analysis on these stories. (Picture: Man pulls his luggage upon arrival to Armenia from Russia. Picture Credit Reuters)

FRI 02:00 BBC News (w172ykq87358ggf)

The latest five minute news bulletin from BBC World Service.

FRI 02:06 The Newsroom (w172y17wmhj71zt)

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

FRI 02:30 BBC News Summary (w172ykr2ntrytqt)

The latest two minute news summary from BBC World Service.

FRI 02:32 World Football (w3ct3hgm)

Monza's first win and San Diego's record breakers

Monza striker Christian Gytkjaer relives his match winning goal against Juventus. We also hear from the San Diego Wave coach Casey Stoney following a record breaking match against Angel City.

Picture on website: Christian Gytkjaer of AC Monza celebrates with team mate Matteo Pessina after scoring against Juventus (Jonathan Moscrop/Getty Images).

FRI 03:00 BBC News (w172ykq8735816k)

The latest five minute news bulletin from BBC World Service.

FRI 03:06 Outlook (w3ct34wk)

[Repeat of broadcast at 12:06 on Thursday]

FRI 03:50 Witness History (w3ct3clj)

[Repeat of broadcast at 08:50 on Thursday]

FRI 04:00 BBC News (w172ykq87358pyp)

The latest five minute news bulletin from BBC World Service.

FRI 04:06 The Newsroom (w172y17wmhj811z)

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

FRI 04:30 BBC News Summary (w172ykr2ntrz272)

The latest two minute news summary from BBC World Service.

FRI 04:32 Heart and Soul (w3ct423t)

Spiritualism and the Soul

21 year old journalism graduate, Saskia Masaun has been attending meditation, mediumship and healing classes at the Spiritualists National Union (SNU) Church in Wolverhampton UK since she was 16, alongside her spiritualist mother.

In this Heart & Soul for the BBC World Service, Saskia explains how her faith, which includes connecting with the spirit world through mediums and a seven principle philosophy described as a 'guideline for life', is helping her navigate her journey as she sets out on her career. She speaks to Spiritualist leaders and attends the medium's training college, where recruits are taught the art of communicating with the dead.

She talks to Karin Huber, a full time medium in Germany, and Asha, a healer who was brought up as a Hindu in the British multicultural city where they live. From its beginnings, founded in the 1840's in the US, spiritualism has established itself in the UK through its teachings on mediumship, healing and a philosophy which centres the soul through developing self-awareness.

Presented by Saskia Masaun

Produced by Dylan Hayward and Nina Robinson.

FRI 05:00 BBC News (w172ykq87358tp)

The latest five minute news bulletin from BBC World Service.

FRI 05:06 Newsday (w172yfr8q0349gc7)

Mahsa Amini: Protests against her death in custody grow

The protests in Iran continue to grow despite President Ebrahim Raisi insisting the death of Mahsa Amini, which started the demonstrations, will be fully investigated.

After President Putin announces partial military mobilisation, we hear why thousands of Russians are fleeing their country.

And we find out why the US city of Jackson doesn't have safe drinking water.

FRI 06:00 BBC News (w172ykq87358fyf)

The latest five minute news bulletin from BBC World Service.

FRI 06:06 Newsday (w172yfr8q034913c)

Russian military reservists begin to receive their draft papers

The authorities in Russia have started the call up of reservists to fight in Ukraine following the announcement by President Putin this week - we speak to one soldier who was first conscripted in 2008 - about such draft notices.

Ahead of elections in Italy over the weekend, prosecutors investigate a member of Georgia Meloni's far right Brothers of Italy party who allegedly made a fascist salute.

And we report on the widespread anger at the lack of protect for women in South Korea following the recent murder of a young woman by a stalker.

FRI 07:00 BBC News (w172ykq87359262)

The latest five minute news bulletin from BBC World Service.

FRI 07:06 Newsday (w172yfr8q0349pvh)

Controversial referendums are taking place in mostly Russian-occupied territories of Ukraine

Referendums in Russian-occupied territories of Ukraine have just got underway, with people voting on whether they want to become part of the Russian federation - we look at their legitimacy.

Thirty people have now died in demonstrations in Iran where the country's president has promised to investigate the death in custody of the young woman that sparked the demonstrations.

And Italians go to the polls this Sunday - will Italy get its first female Prime Minister who represents the country's far-right, Brothers of Italy?

FRI 08:00 BBC News (w172ykq873595y6)

The latest five minute news bulletin from BBC World Service.

FRI 08:06 HARDtalk (w3ct32gd)

Ivanna Klympush-Tsintsadze: Can Putin's threats undermine support for Ukraine?

Stephen Sackur speaks to the Ukrainian MP, Ivanna Klympush-Tsintsadze, who currently chairs the Ukrainian parliament's EU Integration Committee. Kyiv's battlefield gains have prompted Vladimir Putin to announce a partial mobilisation and ramp up his nuclear threats. What does this mean for Ukraine and for the support it relies on in the west?

FRI 08:30 BBC News Summary (w172ykr2ntrzk6l)

The latest two minute news summary from BBC World Service.

FRI 08:32 Business Daily (w3ct30sg)

Can festivals bounce back?

The global events industry was valued at more than \$1.1 billion in 2019, before the start of the covid-19 pandemic. Live music and concert events alone lost \$30 billion in 2020 and most outdoor festivals were cancelled. This year, in 2022, with more people vaccinated around the world, many festivals have managed to return but are having to cope with rising prices and staff shortages, as well as people with less cash to spend.

Monica Newton, the CEO of the National Arts Festival in Grahamstown, South Africa, tells us about the challenges she's faced in holding this year's event. The director of the Great British Food Festival in the UK, Daniel Maycock, says they've managed to avoid putting up ticket prices so far and are trying to support smaller businesses.

Lisa Louis travels to the Rock en Seine festival, to the west of the French capital Paris to speak to the director, Matthieu Ducos, about how he's had to adapt. She speaks to food and drinks vendors about how they're coping with rising prices and festival goes about how they're dealing with having less money in their pockets.

Presenter: Emb Hashmi

Reporter: Lisa Louis

Producer: Jo Critcher

(Image: Matthieu Ducos, director of the Rock en Seine festival, Parc de Saint-Cloud; Credit: BBC)

FRI 08:50 Witness History (w3ct3bx0)

Festival of Light

In September 1971, Christians from all over the UK held the Nationwide Festival of Light to protest against what they saw, as increasingly liberal attitudes to sex and the change in traditional family values.

Katie Edwards hears from three people who attended the event - organiser Peter Hill, Christian activist Celia Bowring and LGBT rights campaigner Peter Tatchell who protested against the event.

A Made in Manchester production for BBC World Service.

(Photo: Nationwide Festival of Light. Credit: Getty Images)

FRI 09:00 BBC News (w172ykq873599pb)

The latest five minute news bulletin from BBC World Service.

FRI 09:06 Tech Tent (w3ct375n)

The protests sending Iran offline

This week: Iran suffers internet blackouts and mobile phone outages as protestors mount angry protests against the country's morality police. Will it help stifle dissent? Wikipedia on their competition to find the sound of all human knowledge. And how one man is still going strong in the floppy disk business.

FRI 09:30 BBC News Summary (w172ykr2ntrznqy)

The latest two minute news summary from BBC World Service.

FRI 09:32 Science In Action (w3ct369k)

[Repeat of broadcast at 20:32 on Thursday]

FRI 10:00 BBC News (w172ykq87359ffg)

The latest five minute news bulletin from BBC World Service.

FRI 10:06 The Real Story (w3ct33pg)

What next for the Commonwealth?

The Queen was seen as a unifying force in the Commonwealth. With her death, will the organisation re-invent itself for the next generation, or fade away? Questions are being asked about whether the Commonwealth is a neo-colonial project and what it can actually do for its members. Others argue that while the Commonwealth has its roots in empire, it is a crucial forum for smaller countries to amplify their voice and work with more powerful allies. We'll look at what the Commonwealth is for and what challenges lie ahead for King Charles III as he takes the helm. What would change if the organisation ceased to exist and what does it mean for Britain's place in the world?

Ritula Shah is joined by a panel of expert guests.

Producers: Ellen Otzen and Zak Brophy

FRI 11:00 BBC News (w172ykq87359k5l)

The latest five minute news bulletin from BBC World Service.

FRI 11:06 The Newsroom (w172yl7wmhj8wsz)

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

FRI 11:30 BBC News Summary (w172ykr2ntrxfz)

The latest two minute news summary from BBC World Service.

FRI 11:32 World Football (w3ct3hqm)

[Repeat of broadcast at 02:32 today]

FRI 12:00 BBC News (w172ykq87359nxq)

The latest five minute news bulletin from BBC World Service.

FRI 12:06 The Fifth Floor (w3ct37zr)

Mahsa Amini's father speaks out

Mahsa Amini, a 22-year-old Iranian woman, died a week ago after being detained by Iran's so called 'morality police', who claimed she was violating the country's strict dress code laws. Witnesses claim she was beaten, while the official explanations claim she had pre-existing health issues. We hear from BBC Persian's Jiyar Gol about his interview with her father Amjad Amini, who has spoken out at great risk to himself and contradicted the official version of events.

The women turning rice into wealth in Sierra Leone
Many Sierra Leoneans rely on subsistence farming to survive, but a group of single mothers and widows in southern Sierra Leone have formed a farming collective and turned their farm into a highly profitable business, as BBC Africa Women's Affairs journalist Azeezat Olaoluwa reports.

The BBC's Disinformation Unit in India
This year BBC News India launched a new Disinformation Unit to uncover, analyse and report on the spread of fake news. Jugul Purohit is part of the Delhi-based team, which highlights false information, debunks viral social media content and investigates how and why it spreads.

The impact of Lebanon's economic crisis
The recent sinking of a boat carrying many Lebanese migrants, which left dozens dead, has highlighted the economic crisis which has left much of the population in despair. People with money are also suffering, as they're unable to withdraw funds from their accounts. Some have even gone to banks armed with guns to try to get hold of their own money. Carine Torbey has been reporting both stories for BBC Arabic.

The story behind the Bayraktar drones being used to defend Ukraine
At the start of the invasion of Ukraine, videos of Russian vehicles being destroyed in drone strikes travelled round the world. For Ukrainians, the Turkish Bayraktar drones have become a symbol of resistance; they've composed songs about them, and named pets and even children after them. BBC Ukrainian's Dzhafer Umerov interviewed the two brothers behind the drone, Haluk and Selçuk Bayraktar.

Photo: Mahsa Amini newspapers. Credit: Majid Asgaripour/WANA (West Asia News Agency) via REUTERS (from Elvis)

FRI 12:50 Witness History (w3ct3bx0)

[Repeat of broadcast at 08:50 today]

FRI 13:00 BBC News (w172ykq87359snv)

The latest five minute news bulletin from BBC World Service.

FRI 13:06 The Newsroom (w172yl7wmhj9497)

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

FRI 13:30 BBC News Summary (w172ykr2nts04y7)

The latest two minute news summary from BBC World Service.

FRI 13:32 Science In Action (w3ct369k)

[Repeat of broadcast at 20:32 on Thursday]

FRI 14:00 BBC News (w172ykq87359xdz)

The latest five minute news bulletin from BBC World Service.

FRI 14:06 Newshour (w172yfc5b8ydgce8)

Self-styled referendums in four occupied regions of Ukraine

Denounced as illegitimate and a sham by Ukraine and the West, these so-called votes are taking place over five days. An annexation could lead to a claim by Russia that its territory is coming under attack from Western weapons supplied to Ukraine.

Also in the programme: as protests spread across Iran, over the death of a young woman in police custody, an academic in Teheran tells us that the unrest is being whipped up by the country's enemies; and we talk to Bill Hamilton, agent and friend of British writer Hilary Mantel, who has died at the age of 70.

(Photo: A doctor attends a referendum at a polling station in Luhansk, Ukraine, 23 September 2022. Credit: EPA).

FRI 15:00 BBC News (w172ykq8735b153)

The latest five minute news bulletin from BBC World Service.

FRI 15:06 HARDtalk (w3ct32gd)

[Repeat of broadcast at 08:06 today]

FRI 15:30 BBC News Summary (w172ykr2nts0dfh)

The latest two minute news summary from BBC World Service.

FRI 15:32 World Business Report (w172yk34dq3x9r0)

Britain bets on growth

The UK's Chancellor of the Exchequer Kwasi Kwarteng has bet on tax cuts to try and stimulate economic growth. Kitty Ussher, Chief Economist at the Institute of Directors, explains all – and looks at where it leaves the UK, compared with other countries around the world. We're also joined by Keith McAvoy, Co-owner, Seven Brothers, a brewery with tap houses across the North West of England and Graham Burchell, Director of Challs International, a household cleaning product manufacturer, to discuss what it means for businesses in the UK.

Alejandro Martinez from the European Train Drivers Union explains why we could be heading for a shortage of train drivers across the continent, and Algerian film director Sofia Djama tells us why her country's movie industry's been badly hit, and what filmmakers like her want the Algerian government to do to help.

(Picture: UK Chancellor of the Exchequer Kwasi Kwarteng. Credit: Getty Images)

FRI 16:00 BBC News (w172ykq8735b4x7)

The latest five minute news bulletin from BBC World Service.

FRI 16:06 BBC OS (w172yg1r3lhrk89)

Russia stages referendums in Ukraine

Russian officials are staging referendums in four occupied regions of Ukraine on whether they should become part of the Russian Federation. Western countries say the votes - backed by President Putin - are illegal and a step towards the annexation of Ukrainian territory. We'll hear from our correspondent on what could happen with these discredited referendums.

Meanwhile we'll hear from two Russians who have left their home country to avoid fighting in the war. Around 300,000 citizens face being called up as part of the latest drive.

We'll also hear the latest from our correspondent as protests continue across Iran sparked by the death of the young woman Mahsa Amini in custody. At least thirty people are reported to have been killed in a week of unrest.

The sister of a Moroccan man who left to serve with the Ukrainian forces but was later captured by the pro Russian side tells us about the last emotional few months of her life amid news that he has now finally been freed.

We'll hear more from Lebanon about how the economic crisis there is impacting people's lives and livelihoods. We'll speak to

two different charity organisations on the ground trying to help people with their everyday struggles.

(Photo: Credit EPA-EFE/REX - A group of people looking through booklets handed out on the eve of the referendum in Luhansk)

FRI 17:00 BBC News (w172ykq8735b8nc)

The latest five minute news bulletin from BBC World Service.

FRI 17:06 BBC OS (w172yg1r3lhrp0f)

Iran Protests

Protests have continued to spread across Tehran and other cities in Iran following the death in police custody of Mahsa Amin, a 22-year-old Kurdish woman detained for allegedly failing to adhere to hijab rules. Our correspondent will give us the latest updates.

Meanwhile we'll hear more from our Eastern Europe Correspondent and voices from Russia as men have been trying to leave the country to avoid being called up for the Ukraine war. President Putin announced a partial military mobilisation which could lead to 300,000 people being made to fight.

The sister of a Moroccan man who left to serve with the Ukrainian forces but was later captured by the pro Russian side tells us about the last emotional few months of her life amid news that he has now finally been freed.

For the first time since World War Two, Italy's next leader could come from the far right. Giorgia Meloni's Brothers of Italy party is leading the polls ahead of elections on 25th September. Our Rome correspondent explains what that could mean for the country and Europe as a whole.

(Photo - Protestors crowd the streets of Tehran Credit:Getty Images)

FRI 18:00 BBC News (w172ykq8735bddh)

The latest five minute news bulletin from BBC World Service.

FRI 18:06 The Fifth Floor (w3ct37zr)

[Repeat of broadcast at 12:06 today]

FRI 18:50 Witness History (w3ct3bx0)

[Repeat of broadcast at 08:50 today]

FRI 19:00 BBC News (w172ykq8735bj4m)

The latest five minute news bulletin from BBC World Service.

FRI 19:06 The Newsroom (w172yl7wmhj9vs0)

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

FRI 19:30 BBC News Summary (w172ykr2nts0wf0)

The latest two minute news summary from BBC World Service.

FRI 19:32 Sport Today (w172ygfmmwym13j)

2022/09/23 GMT

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

FRI 20:00 BBC News (w172ykq8735bmwr)

The latest five minute news bulletin from BBC World Service.

FRI 20:06 Tech Tent (w3ct375n)

[Repeat of broadcast at 09:06 today]

FRI 20:30 BBC News Summary (w172ykr2nts1054)

The latest two minute news summary from BBC World Service.

FRI 20:32 CrowdScience (w3ct37f)

Why don't some things burn?

Crowdsience listener Alix has a burning question - what's actually happening inside the flames of a campfire to make it glow? And why do some materials burn easily, while others refuse to light at all?

To find out, Alex Lathbridge travels to the Fire Research Centre at the University of Edinburgh to (safely) set various things ablaze. He learns about the fundamentals of fire and why things react differently to heat. He then heads to archives of the Royal Institution of London, to see an invention from the 19th

century that can stop a fireball in its tracks: the miner's safety lamp, which saved countless lives. And he speaks to a chemist about the science of flame retardants, and how even though they can make products less flammable, they may also have unintended consequences.

Presenter: Alex Lathbridge
Producer: Anand Jagatia

Contributors:
Dr Rory Hadden, University of Edinburgh
Charlotte New, Royal Institution
Dan Plane, Royal Institution
Professor Richard Hull, University of Central Lancashire

FRI 21:00 BBC News (w172ykq8735brmw)

The latest five minute news bulletin from BBC World Service.

FRI 21:06 Newshour (w172yfc5b8yf9l5)

Reluctance hits Russia's war in Ukraine

As Russia faces mounting pressures facing its war in Ukraine, we'll hear from two people severely impacted by the conflict. A Kherson resident who won't vote in the self-styled "referendum" to join Russia and a Russian man who is trying to avoid being drafted but is still inside Russia.

Also in the programme: Why the death of a woman in police custody in Tehran has made such a big impact throughout Iran; and tennis great Roger Federer plays his last professional game.

(Photo shows an armed soldier walking past a ballot box in Luhansk as people line up to vote. Credit: Reuters)

FRI 22:00 BBC News (w172ykq8735bwd0)

The latest five minute news bulletin from BBC World Service.

FRI 22:06 HARDtalk (w3ct32gd)

[Repeat of broadcast at 08:06 today]

FRI 22:30 BBC News Summary (w172ykr2nts17nd)

The latest two minute news summary from BBC World Service.

FRI 22:32 World Football (w3ct3hqm)

[Repeat of broadcast at 02:32 today]

FRI 23:00 BBC News (w172ykq8735c044)

The latest five minute news bulletin from BBC World Service.

FRI 23:06 The Newsroom (w172yrx0s0w205q)

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

FRI 23:20 Sports News (w172ygh8kc5035f)

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

FRI 23:30 BBC News Summary (w172ykr2nts1cdj)

The latest two minute news summary from BBC World Service.

FRI 23:32 World Business Report (w172yk3yvfqml4b)

First broadcast 23/09/2022 22:32 GMT

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