

## SATURDAY 23 JULY 2022

**SAT 00:00 BBC News (w172ykq4ypbbsdq)**

The latest five minute news bulletin from BBC World Service.

**SAT 00:06 The Real Story (w3ct33p5)**

Can our cities survive climate change?

Europe was this week hit by an extreme heatwave exacerbating drought conditions and sparking wildfires in France, Spain, Italy, Greece and Portugal. The UK also broke its record temperature exceeding 40C. All this just weeks after flooding caused widespread disruption in Sydney, Australia. Scientists agree that reducing greenhouse gas emissions is key to limiting the severity of climate change. But the planet has already warmed by 1.1C above pre-industrial levels and temperatures are expected to continue rising. More than half of the world's population live in cities and that figure is expected to rise to 68% by 2050. Extreme heat, droughts, wildfires, storm surges and flooding - both inland and along coastlines - will increasingly cause damage and deaths. So, how can we make cities more resilient to the inevitable impacts of a warming planet? What obstacles are preventing greater action? And will the rich world protect itself while poorer communities are left to fend for themselves?

Ritula Shah is joined by a panel of expert guests.  
Producers: Paul Schuster and Zak Brophy.

**SAT 01:00 BBC News (w172ykq4ypbbx4v)**

The latest five minute news bulletin from BBC World Service.

**SAT 01:06 Business Matters (w172ydpgrzcxjr)**

Deal agreed to let grain out of Ukraine

Vivienne Nunis is joined by Rhonda Vonshay Sharpe, President of the Women's Institute for Science, Equity and Race in Virginia, and Sushma Ramachandran, an independent business journalist and columnist for The Tribune newspaper in New Delhi.

Turkey has brokered a deal between Russia and Ukraine to allow grain to leave ports in Ukraine, but not everyone is confident the deal will do enough to help grain stocks reach those who need them the most. Daniil Melnychenko, data analyst at Informall Business Group, analyses cargo in the Black Sea and questions how much difference it will make.

One of Australia's biggest music festivals, Splendour in the Grass, has had to cancel its first day of performances due to bad weather. We hear from ABC reporter Tobi Loftus and a couple of festival-goers.

With a new wildfire in the USA, what does it mean for businesses and the insurance market? Raj Vojjala, head of exposure and vulnerability at risk analysis business RMS in California, gives his view.

(Picture: ZAPORIZHZHIA REGION, UKRAINE - JULY 17, 2022 - A serviceman holds wheat ears during the harvest season, Zaporizhzhia Region, southeastern Ukraine. Credit: Getty Images).

**SAT 02:00 BBC News (w172ykq4ypbc0wz)**

The latest five minute news bulletin from BBC World Service.

**SAT 02:06 The Newsroom (w172yl7sc2pbcje)**

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

**SAT 02:30 BBC News Summary (w172ykqzddy1d5c)**

The latest two minute news summary from BBC World Service.

**SAT 02:32 Stumped (w3ct370v)**

Suzie Bates: From Olympic basketball to Commonwealth Games cricketer

On this week's Stumped with Alison Mitchell, Jim Maxwell and Charu Sharma we look ahead to the Commonwealth Games with New Zealand star Suzie Bates. 14 years after representing her country in basketball at the Olympics in Beijing in 2008, she says helping the White Ferns to medal in Birmingham would be a career highlight.

Plus, after England's Test captain Ben Stokes announced his retirement from one-day internationals, we debate whether players are being asked to play too much cricket.

Image: Suzie Bates of New Zealand reacts to a boundary during the 2022 ICC Women's Cricket World Cup match between New Zealand and England at Eden Park on March 20, 2022 in Auckland, New Zealand. (Photo by Fiona Goodall-ICC/ICC via Getty Images)

**SAT 03:00 BBC News (w172ykq4ypbc4n3)**

The latest five minute news bulletin from BBC World Service.

**SAT 03:06 The Fifth Floor (w3ct37zg)**

The cost of keeping Putin Covid free

Around \$54.6m was spent on measures to protect President Vladimir Putin from Covid in 2020 and 2021, according to openly available data from Russian state sources. Sergei Goryashko of BBC Russian explains how this money was spent and why the measures seem to be continuing.

**Afghan women**

BBC Afghan's Pashto and Dari services have launched a new radio programme. It's called 'Women' and aims to provide information, inspiration and entertainment to Afghan women and girls now mostly confined at home. Presenters Shazia Haya and Aalia Farzan share their motivations, laughter, and memories of others back home.

**Heatwave in Pakistan's Cholistan desert**

Livestock herders and their flocks in Pakistan's Cholistan desert are used to extreme heat. But this year temperatures of 50 degrees were recorded months earlier than usual, and hundreds of animals have died. BBC Urdu's Umer Draz Nangiana visited farmers in remote villages to hear their stories.

**Vietnam's hot weather surcharge**

Consumers are used to companies adding on surcharges for this and that - but the ride hailing and delivery app Grab went just a bit too far for users in Vietnam with its recent hot weather fee. BBC Vietnamese journalist Thuong Le followed the story.

**A trip to the Belgrade lido**

Over the summer months, people in the Serbian capital Belgrade can cool off at a beach minutes from the city centre. The much-loved lido is on an island in the River Danube, and Slobodan Maricic recently joined regulars there for BBC Serbian.

(Photo: Russian President Vladimir Putin wearing protective gear March 2020. Credit: Alexey Druzhinin/Sputnik/AFP via Getty Images)

**SAT 03:50 Witness History (w3ct3bwq)**

Nigerian sitcom Papa Ajasco

In 1996, sitcom Papa Ajasco first hit Nigerian TV screens. Following the ups and downs of the Ajasco family - it quickly became one of the most successful TV shows in Nigerian history. Alex Collins speaks to its creator Wale Adenuga (photo - The cast of Papa Ajasco - credit Wale Adenuga.)

**SAT 04:00 BBC News (w172ykq4ypbc8d7)**

The latest five minute news bulletin from BBC World Service.

**SAT 04:06 The Real Story (w3ct33p5)**

[Repeat of broadcast at 00:06 today]

**SAT 05:00 BBC News (w172ykq4ypbed4c)**

The latest five minute news bulletin from BBC World Service.

**SAT 05:06 The Newsroom (w172yl7sc2pbqrr)**

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

**SAT 05:30 BBC News Summary (w172ykqzddy1rdr)**

The latest two minute news summary from BBC World Service.

**SAT 05:32 Dear Daughter (w3ct42g7)**

Faith in you

The best of both worlds? One new baby and two religions. Mum and dad are trying to figure it out. How will they bring up their daughter?

Episode 8 letter writer: Joe

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

**SAT 05:50 More or Less (w3ct3k4x)**

Does the World Athletics Championships have a false start problem?

US athlete Devon Allen has made global headlines this week after being disqualified from the 110m hurdles final at the World Athletics Championship in Eugene, Oregon. He was judged to have left the starting blocks a thousandth of a second too early.

On More or Less we crunch the numbers behind false starts in

athletics, asking how quick is too quick when it comes to reacting to a starting gun and whether something else might have gone wrong with the measurement system.

Presenter: Ben Carter  
Producer: Jon Bithrey  
Editor: Richard Vadon  
Sound Engineer: Rod Farquhar  
Production Co-ordinator: Brenda Brown

(Devon Allen competing at the World Athletics Championships, Oregon22. Credit: Andy Lyons /Getty Images)

**SAT 06:00 BBC News (w172ykq4ypbcwhh)**

The latest five minute news bulletin from BBC World Service.

**SAT 06:06 Weekend (w172ykwhppjyv7q)**

Former Trump aide guilty of contempt of Congress

Steve Bannon, Donald Trump's former chief strategist is found guilty on two counts of contempt of Congress, for which he faces up to two years in prison.

Also, the UN chief tells the BBC the deal between Russia and Ukraine on grain exports could help millions avoid hunger.

Plus, a look at the two hopefuls vying to be the UK's next Prime Minister.

And the changing nature of murder mysteries.

Joining Celia Hatton to discuss these and other issues are Christina Lamb, a British journalist and author and the chief foreign correspondent for The Sunday Times; and Tom Rivers, an ABC News radio correspondent based in London.

(Image: Former White House senior strategist Stephen Bannon leaves the Federal District Court House after being found guilty of being in contempt of Congress. Credit: Tasos Katopodis/Getty Images)

**SAT 07:00 BBC News (w172ykq4ypbcmmm)**

The latest five minute news bulletin from BBC World Service.

**SAT 07:06 Weekend (w172ykwhppjyzzv)**

Guterres hails Russia/Ukraine deal on grain exports

Russia and Ukraine sign a landmark deal to resume vital exports of Ukrainian grain. The deal has been hailed by the UN as a beacon of hope.

Also, one of Ukraine's top chefs prepares to open a restaurant in London staffed entirely by refugees.

And Thailand admits using software to spy on pro-democracy activists.

Joining Celia Hatton to discuss these and other issues are Christina Lamb, a British journalist and author and the chief foreign correspondent for The Sunday Times; and Tom Rivers, an ABC News radio correspondent based in London.

(Image: Turkish President Recep Tayyip Erdogan and UN Secretary-General, Antonio Guterres attend the signing ceremony of the agreement which unblocks Ukrainian grain exports, in Istanbul, Turkey. Credit: TUR Presidency/Murat Cetinmuhurdar/Anadolu Agency via Getty Images)

**SAT 08:00 BBC News (w172ykq4ypbcrrr)**

The latest five minute news bulletin from BBC World Service.

**SAT 08:06 Weekend (w172ykwhppjz2qz)**

Ukraine and Russia sign deal on exports

Ukraine and Russia have signed deals which will allow Kyiv to resume exports of grain through the Black Sea.

Also, we hear from a former senior UN official who says a global system is needed to solve humanitarian crisis faster and better in the future.

And Leonard Cohen and the story of 'Hallelujah'.

Joining Celia Hatton to discuss these and other issues are Christina Lamb, a British journalist and author and the chief foreign correspondent for The Sunday Times; and Tom Rivers, an ABC News radio correspondent based in London.

(Image: Farmers harvest a wheat field in the Ukrainian Kharkiv region. Credit: SERGEY BOBOK/AFP via Getty Images)

**SAT 08:30 BBC News Summary (w172ykqzddy23n4)**

The latest two minute news summary from BBC World Service.

**SAT 08:32 The Conversation (w3ct37m3)**

Powered by women: Lineworkers

Kim Chakanetsa meets two women who bring electricity to communities in the US and New Zealand.

Maureen Miller is a listener from Wisconsin in the US who got in touch to tell us why she is so passionate about being a journeyman lineman. She talks about bringing power to communities devastated by hurricanes and floods and she tells us about the skills required to do this extremely dangerous work.

Laisa Pickering-Bryant is the first female distribution line mechanic at her company to work on live high voltage lines. She was born and raised on the Fiji Islands and she currently lives in Auckland, New Zealand. Laisa is also part of Connexis, a project training and mentoring women working in infrastructure.

Produced by Alice Gioia

(Image: (L) Maureen Miller, credit courtesy of Maureen Miller. (R) Laisa Pickering-Bryant, credit courtesy of Laisa Pickering-Bryant.)

**SAT 09:00 BBC News (w172ykq4ypbcw3w)**

The latest five minute news bulletin from BBC World Service.

**SAT 09:06 BBC OS Conversations (w3ct417q)**

Extreme heat

As temperature records are broken around the world. People around world share with host James Reynolds how to negotiate the warm weather and how the heat is affecting their lives.

"It's 37 degrees here right now," says Allison in Doha, Qatar, "but we're at 59% humidity so it's feeling like 52 degrees outside. If you can imagine just stepping outside into a sauna, that's basically what it's like."

Allison discusses her experiences with Julia in Brittany, France, and Alia, a doctor in Lahore, Pakistan. Her hospital has seen many people already admitted with heatstroke with some dying as a result. They also share how to keep cool and there are messages with similar advice from people living in Uganda, Saudi Arabia and Trinidad and Tobago.

Experts agree that climate change is responsible for the extreme weather and two meteorologists - Nokuthula Khwela in South Africa and Isabel Moreno in Spain - explain how they communicate the science to their audiences. A TV audience, for instance, requires a different approach to readers of a book.

"You have to try not to talk about only science and data," says Moreno, who is also a TV host in Madrid. "We are talking about climate change from a health point of view. Here in Spain, we estimate that almost 500 people could have died because of heat during this week. So it's about mortality."

(Photo: Men drink water by the Milan's Duomo cathedral at Duomo square, as temperatures soar during a heatwave in Milan, Italy, July 21, 2022. Credit: REUTERS/Massimo Pinca)

**SAT 09:30 BBC News Summary (w172ykqzddy27d8)**

The latest two minute news summary from BBC World Service.

**SAT 09:32 Pick of the World (w3ct41x0)**

Why are Iranian women taking off their hijabs?

The Iranian women removing their hijabs in protest. Plus new worries about Covid variants, a call from the top for equal pay in German football and the etiquette on tipping from Australia to Ghana.

**SAT 09:50 Over to You (w3ct35sg)**

The Bomb: The making of a new series

In season one of The Bomb, we met the scientist who might have stopped the atomic bomb from ever being built. In season two, we meet the spy who stole it. But does the series over-dramatise - as some listeners suggest? The presenter and producer answer this point and explain how this series was put together..

Presenter: Rajan Datar.  
Producer: Howard Shannon

**SAT 10:00 BBC News (w172ykq4ypbcw0)**

The latest five minute news bulletin from BBC World Service.

**SAT 10:06 Sportshour (w172yg8lr3hjm1w)**

Women's football: African impact

On a big weekend for women's football we are in Morocco ahead of the final of WAFCON between hosts Morocco and South Africa. Plus we'll preview the last of the quarter final match at the Euros in England.

We saddle up with Louise Vardeman cyclist & team manager of InternationElles as the Tour de France Femmes gets underway for the first time in its current incarnation.

Ahead of the Commonwealth Games we catch up with secretary general of the Tanzania Olympic Committee Filbert Bayi. He has telling us how he hopes his heroics of 1500 m gold in the 1974 games, a race in which he set the current Commonwealth record, can one day be repeated by a new generation of Tanzanian athletes.

Photo: Morocco's players celebrate winning the 2022 Women's Africa Cup of Nations semi-final (CREDIT: AFP via Getty Images)

**SAT 11:00 BBC News (w172ykq4ypbd3m4)**

The latest five minute news bulletin from BBC World Service.

**SAT 11:06 The Newsroom (w172yl7sc2pcg7j)**

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

**SAT 11:30 BBC News Summary (w172ykqzddy2gwj)**

The latest two minute news summary from BBC World Service.

**SAT 11:32 WorklifeIndia (w3ct3jcn)**

The emerging trend of egg freezing in India

Egg freezing is a relatively new concept in India. Despite a lot of social stigma associated with it, the procedure is gaining attention and emerging as a growing trend in urban areas. A lot of women are now opting to freeze their eggs for social reasons, such as pursuing their dream careers, or waiting to marry at a later age.

But does egg freezing guarantee motherhood when you are finally ready for it, and how costly does it get? What are the wins and the pitfalls associated with the procedure, both mental and physical?

In this edition of WorklifeIndia, we discuss the growing trend of egg freezing in India.

Presenter: Devina Gupta

Contributors: Diana Hayden, actress, former Miss World; Dr Hrishikesh Pai, IVF specialist, founder, Bloom IVF; Gitanjali Banerjee, founder, Fertility Dost

**SAT 12:00 BBC News (w172ykq4ypbd7c8)**

The latest five minute news bulletin from BBC World Service.

**SAT 12:06 The Documentary (w3ct43bs)**

The bomb

It is 1944. Russia and America are racing for the bomb, but neither competitor knows who is in the lead.

Klaus Fuchs arrives in Los Alamos to begin work on the Manhattan Project. He is closer to the action than ever before. But security here is higher than it was back in England and Fuchs is frustrated to find that the secrets the Soviets need are still out of reach.

As the pressure builds, Fuchs must put his skills in both science and espionage to the test. In the process, he'll put his own family in danger.

In 1946, Fuchs returns to Britain a man very different to the one that left; older, more confident, and an indispensable part of the British scientific establishment. He begins to settle down, find friends, and make a life for himself. Little by little, he leaves espionage behind.

But all the while, the British intelligence services are closing in on both him and his handler, Ursula Kuczynski, presenter Rosa Ellis' great aunt. Top interrogator, Jim Skardon, is tasked with interrogating Ursula. It's a battle of wits that will put Fuchs at risk of being exposed.

**SAT 13:00 BBC News (w172ykq4ypbd3d)**

The latest five minute news bulletin from BBC World Service.

**SAT 13:06 Newshour (w172yfc21w3gx1p)**

Odesa comes under Russian missile attack after grain export deal

Shortly after an agreement that ended the blockade of Ukrainian ports by Russia, the port city of Odesa comes under Russian missile attack. We hear from the Ukrainian MP for Odesa.

Also in the programme: China braces itself for more heatwaves while the government increases coal production to keep up with electricity demands; and travel is disrupted for those going to France through the UK port of Dover, where holidaymakers face up to six hours of traffic.

(Photo: The Potemkin Steps is a giant stairway in Odesa, Ukraine. The stairs are considered a formal entrance into the city from the direction of the sea and are the best known symbol of Odesa. Credit: copyright BBC / Richard Sowersbykin)

**SAT 14:00 BBC News (w172ykq4ypbdgyj)**

The latest five minute news bulletin from BBC World Service.

**SAT 14:06 Sportsworld (w172yjt5djf4w9)**

Live Sporting Action

Lee James previews the final of the Women's Africa Cup of Nations between Morocco and South Africa in Rabat and previews the final Women's Euros quarter final between the Netherlands and France.

We preview the new Premier League season, which gets underway in just two weeks' time, and profile Erik ten Hag as he prepares to take the reins at Manchester United.

And we're live in Eugene ahead of the penultimate day of action at the World Athletics Championships.

Photo: Morocco's players celebrate winning the 2022 Women's Africa Cup of Nations semi-final football match between Morocco and Nigeria. (Credit: AFP via Getty Images)

**SAT 18:00 BBC News (w172ykq4ypbdyv1)**

The latest five minute news bulletin from BBC World Service.

**SAT 18:06 The Newsroom (w172yl7sc2pd9gf)**

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

**SAT 18:30 BBC News Summary (w172ykqzddy3b3f)**

The latest two minute news summary from BBC World Service.

**SAT 18:32 Dear Daughter (w3ct42g7)**

[Repeat of broadcast at 05:32 today]

**SAT 18:50 Sporting Witness (w3ct36fs)**

Yohann Gene - The Tour de France's first black cyclist

After 14 years training and riding in a variety of tours, cyclist Yohann Gene from Guadeloupe, finally earned approval from his coach and was selected to race in the 2011 Tour De France. He then made history by becoming the first black man to finish the brutal race.

(Getty Images: Yohann Gene in the Tour de France)

**SAT 19:00 BBC News (w172ykq4ypbf215)**

The latest five minute news bulletin from BBC World Service.

**SAT 19:06 BBC OS Conversations (w3ct417q)**

[Repeat of broadcast at 09:06 today]

**SAT 19:30 BBC News Summary (w172ykqzddy3fvk)**

The latest two minute news summary from BBC World Service.

**SAT 19:32 WorklifeIndia (w3ct3jcn)**

[Repeat of broadcast at 11:32 today]

**SAT 20:00 BBC News (w172ykq4ypbf6b9)**

The latest five minute news bulletin from BBC World Service.

**SAT 20:06 The Arts Hour (w3ct390d)**

Rapper Megan Thee Stallion talks about activism

On The Arts Hour this week, rapper Megan Thee Stallion discusses her campaign 'Protect Black Women'.

Hollywood stalwart Bill Pullman on playing a thoroughly nasty piece of work in his latest stage play.

Production powerhouse duo The Russo Brothers reveal the secret formula behind a great movie action sequence.

Icelandic composer Hildur Guonadottir talks about creating music from her surroundings.

Film producer turned novelist Winnie M Li on the seedier side of the film industry.

Brazilian guitarist Plinio Fernandes tells us about finding the right instrument...

Nikki Bedi is joined by Kgomotso (aka KG) from South African band BCUC and critic Hanna Flint.

(Photo: Megan Thee Stallion. Credit: Burak Cingi/Redferns/Getty)

**SAT 21:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SAT 21:06 Newshour (w172yfc21w3hw0q)**  
WHO declares monkeypox virus an international health emergency

WHO declares monkeypox virus an international health emergency; Russian missiles strike the Ukrainian port of Odesa; and do you prefer your crime fiction cosy?

(Photo: Firefighters put off fires at the Ukrainian port of Odesa after a missile strike. Credit: Reuters)

**SAT 22:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SAT 22:06 Music Life (w3ct30k4)**  
Welsh-language music with Gwenno, Lleuwen, Hollie Singer (Adwaith) and Lloyd Steele

Gwenno, Lleuwen, Adwaith's Hollie Singer and Lloyd Steele discuss how they've been welcomed by the Welsh language community in the UK, why Welsh music needs an image change, and how they use language to express themselves through music.

Gwenno is a Welsh singer, songwriter and electronic musician who started her career in the retro indie-pop group the Pipettes. She has three albums to date, and sings in both the Welsh and Cornish languages. Hollie Singer is the vocalist from Welsh indie lo-fi group Adwaith, whose debut album Melyn won the Welsh Music Prize in 2019. Guitarist Lloyd Steele, formerly of noisy five-piece Y Reu, is gaining a reputation as one of the most exciting Welsh musicians as he embarks on a solo career. Lleuwen is a jazz-folk singer and classically trained vocalist who takes inspiration from Welsh hymns and Celtic musical traditions, writing and performing in the Celtic languages of Welsh and Breton.

**SAT 23:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SAT 23:06 The Newsroom (w172yrwxhm14km8)**  
The world's Newsroom brings you global events as they happen

**SAT 23:20 Sports News (w172ygh58yb2nlz)**  
BBC Sport brings you all the latest stories and results from around the world.

**SAT 23:30 BBC News Summary (w172ykqzddy3xv2)**  
The latest two minute news summary from BBC World Service.

**SAT 23:32 The Cultural Frontline (w3ct37rp)**  
Art of the Queer Diaspora

We meet artists of the queer diaspora: LGBTQ+ creatives living abroad, away from the cultures that raised them, to discuss ideas of personal and artistic freedom, exile and home and the meaning of the word 'queer' in 2022.

Arab film makers Sarah Kaskas, co-founder of Karaaj Films, and Mohammad Shawky Hassan discuss their new films, The Window, and Shall I Compare You to a Summer's Day? with Tina Daheley. Mohammad Shawky Hassan recently appeared in London as part of the The SAFAR Film Festival of cinema from the Arab world.

British transgender writer Juno Roche discusses their candid

memoir A Working Class Family Ages Badly and the idea of creativity in exile.

Nhojji, a singer and songwriter raised in Guyana and Trinidad and living in New York, explains how his sexuality informs his art.

And Hong Kong Chinese poet Mary Jean Chan explains the thinking behind the word 'queer,' used in the title of their latest co-edited poetry anthology 100 Queer Poems., as well as reading exclusive new work.

Produced by Simon Richardson

(Photo: Sophia Moussa Fitch and Tamara Saade in a still from The Window. Credit: Karaaj Films)

#### SUNDAY 24 JULY 2022

**SUN 00:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SUN 00:06 BBC OS Conversations (w3ct417q)**  
[Repeat of broadcast at 09:06 on Saturday]

**SUN 00:30 BBC News Summary (w172ykqzddy4116)**  
The latest two minute news summary from BBC World Service.

**SUN 00:32 Dear Daughter (w3ct42g7)**  
[Repeat of broadcast at 05:32 on Saturday]

**SUN 00:50 More or Less (w3ct3k4x)**  
[Repeat of broadcast at 05:50 on Saturday]

**SUN 01:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SUN 01:06 The Science Hour (w3ct39zf)**  
Heat waves in the Northern Hemisphere

The extreme heat wave in western Europe over the last couple of weeks is just one of many in the Northern Hemisphere in 2022. How is global warming changing the atmosphere to make heat waves more frequent and more intense? We talk to climatologists Hannah Cloke, Friederike Otto and Efi Rousi.

If we want to stabilise global warming to two degrees by the end of the century, how are we going to do that? One novel idea is to harness the world's vast railway infrastructure and equip freight and passenger trains with an additional special wagon or two. These extra cars would be designed to suck carbon dioxide out of the air, liquify it and transport it to sequestration sites. Critically all the energy to capture the carbon dioxide comes free from regenerative braking on the trains. University of Toronto chemist Geoff Ozin and Eric Bachman, founder of the start-up CO2 Rail, explain the vision.

On the 40th anniversary of the International Whaling Commissions announcing an end to commercial whaling, we hear from Greenpeace co-founder Rex Weyler about the high seas campaign in the 1970s that helped prevent the extinction of the great whales. He talks about the contribution to the cause made by the discovery of whale song, and the release of humpback whale recordings as a commercial disc.

And, you have probably experienced an 'earworm' - a catchy bit of music that plays round and round in your head and won't go away - at least for a short while. But why did it pop up in the first place and how did it get stuck?

CrowdScience listener Ryota in Japan wants us to dig into earworms, so presenter Datshiane Navanayagam bravely puts on her headphones to immerse herself in the world of sounds that stick. She meets with a composer of children's songs as well as music psychologists to find out if there is a special formula to creating catchy songs and probes if this musical brain quirk serves any useful purpose. Datshiane then explores whether some people are more prone to catching earworms than others. Finally, for those who find this phenomenon disturbing - she asks is there a good way of getting rid of them?

Come join us down the audio wormhole - disclaimer - the BBC is not responsible for any annoying earworms caused by this broadcast.

(Image: Firefighter trucks burning during a wildfire on the Mont d'Arrees, outside Brasparts, western France, 19 July 2022. Credit: LOIC VENANCE/ AFP via Getty Images)

**SUN 02:00 BBC News (w172ykq4ypbf2f)**

The latest five minute news bulletin from BBC World Service.

**SUN 02:06 The Newsroom (w172y17sc2pf8fg)**  
The world's Newsroom brings you global events as they happen

**SUN 02:30 BBC News Summary (w172ykqzddy492g)**  
The latest two minute news summary from BBC World Service.

**SUN 02:32 Health Check (w3ct32wn)**  
Marburg virus cases confirmed

As Marburg virus cases are confirmed in Ghana, Dr Graham Easton discusses the importance of a swift response.

BBC Africa correspondent Charles Mgbolu reports from Nigeria on the relationship between monkeypox emergence and smallpox eradication.

Plus Claudia hears good news from Dr Jaekeun Park at the University of Maryland about progress on making a universal flu vaccine.

Presenter: Claudia Hammond  
Producer: Erika Wright

(Picture: Marburg virus, cut-away illustration. Photo credit: Roger Harris/Science Photo Library/Getty Images.)

**SUN 03:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SUN 03:06 The Documentary (w3ct43bs)**  
[Repeat of broadcast at 12:06 on Saturday]

**SUN 04:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SUN 04:06 From Our Own Correspondent (w3ct3291)**  
Learning to live with danger in Ukraine

Pascale Harter introduces stories of war, violence and loss - and some love - from Ukraine, Ethiopia and Russia.

Russian missiles are still striking cities in Ukraine - even those far from the frontlines in the Donbas. The recent attack on Vinnytsia wounded hundreds of people, and killed at least 23 - including several children. Sarah Rainsford was there to report on the aftermath and noted how accustomed Ukrainians have become to living with daily, lethal risks all around them.

Ethiopia's government has exercised tight control over the media since conflict broke out in its northern Tigray region in November 2020. Some reporters have been denied permission to enter the country - let alone the areas where fighting was most intense; others have been deported if their coverage didn't satisfy state diktats. But viral videos of brutal incidents have circulated widely inside Ethiopia on social media. Kalkidan Yibeltal has seen too much - both at first-hand while reporting, and via the images which have spread across phone and computer screens.

Steve Rosenberg unfolds the story of a friendship made in Moscow - between a newsman and a newspaper vendor. As BBC correspondent in Russia, he always has to stay well informed, and read widely from the Russian press. But it turned out there was almost as much for him to learn from the woman who sold him his daily newspapers and magazines as there was from the publications themselves. As Valentina locks up her kiosk for the last time, Steve reflects on the hopes, dreams and fears she shared with him during their daily conversations.

Producer: Polly Hope  
Production Co-Ordinator: Gemma Ashman

(Image: A child's pushchair lies on its side outside the ruins of the Jubilee building in Vinnytsia. Credit: BBC)

**SUN 04:30 BBC News Summary (w172ykqzddy4jkq)**  
The latest two minute news summary from BBC World Service.

**SUN 04:32 The Cultural Frontline (w3ct37rp)**  
[Repeat of broadcast at 23:32 on Saturday]

**SUN 05:00 BBC News (w172ykq4ypbf2f)**  
The latest five minute news bulletin from BBC World Service.

**SUN 05:06 The Newsroom (w172y17sc2pfmfv)**

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

**SUN 05:30 BBC News Summary (w172ykqzddy4n9v)**

The latest two minute news summary from BBC World Service.

**SUN 05:32 The Documentary (w3ct42rd)**

Nursing matters

In Zambia, at the Lusaka College of Nursing and Midwifery, college head Dr Priscar Sakala-Mukonka is training the next generation of nurses in their new Critical Care department. Once qualified, her students will join a health care system that is critically short-supplied and short-staffed - not due to a lack of new nurses, but due to a shortage of paid positions. Despite decades of investment, there is still only 13 nurses per 10,000 people in Zambia, compared to 175 in Switzerland. Many qualified nurses are officially unemployed, and those with jobs do the work of many.

Dr Priscar Sakala-Mukonka trained as a nurse herself in the 1980s in Zambia. Considering her work a vocation as much as a profession, she watched as many of her fellow graduates left the country, feeling demoralized and undervalued, to pursue nursing careers overseas. Since then, admissions to nursing schools have mushroomed, and new schools have opened to meet demand – but without further investment, a perpetual cycle of loss of talent and recourses seems possible.

Now, as European and North American countries once again ramp up their efforts to recruit Zambian nurses to fill Covid-19 related shortages, we ask what training and approach will keep this new generation of trained nurses in the country, and what motivates nurses to keep going, despite the unpredictable pay and difficult working conditions.

(Photo: Nurse training at St. Luke's Mission Hospital in Mpanshya, Zambia. Credit: Gareth Bentley/SolidarMed)

**SUN 06:00 BBC News (w172ykq4ybgdsl)**

The latest five minute news bulletin from BBC World Service.

**SUN 06:06 Weekend (w172ykwppk1r4t)**

Global emergency declared over monkeypox

The World Health Organisation declares the monkeypox outbreak is now a global emergency.

Also, widespread condemnation as Russian missiles hit Ukraine's Odesa port, hours after a deal allowing grain exports to millions around the world.

Plus, a look at politics in Brazil ahead of the presidential elections in October.

And China endures a heatwave: Will this change the narrative on fossil fuels?

Joining Celia Hatton to discuss these and other stories are, Catherine Fieschi, a political scientist and founder and executive director of the London-based Counterpoint political consultancy; and Patrick Freyne, a writer and columnist for the Irish Times newspaper who's based in Dublin.

(Image: A nurse administers a dose of the monkeypox vaccine in London, England. Credit: Hollie Adams/Getty Images)

**SUN 07:00 BBC News (w172ykq4ybgj1q)**

The latest five minute news bulletin from BBC World Service.

**SUN 07:06 Weekend (w172ykwppk1vwy)**

Ukraine casts doubt over agreement with Russia

President Zelensky casts doubt on the landmark agreement with Russia to resume grain shipments through the Black Sea after a missile strike on the Ukrainian port of Odesa.

Also, a symbolic day for professional cycling as the new Tour de France Femmes begins in Paris.

Joining Celia Hatton to discuss these and other stories are, Catherine Fieschi, a political scientist and founder and executive director of the London-based Counterpoint political consultancy; and Patrick Freyne, a writer and columnist for the Irish Times newspaper who's based in Dublin.

(Image: Ukrainian President Volodymyr Zelensky at the Mariinsky Palace in Kyiv. Credit: LUDOVIC MARIN/POOL/AFP via Getty Images)

**SUN 08:00 BBC News (w172ykq4ybg8v)**

The latest five minute news bulletin from BBC World Service.

**SUN 08:06 Weekend (w172ykwppk1zn2)**

Brazil's Bolsonaro launches re-election bid

Brazil's president, Jair Bolsonaro is expected to launch his campaign for re-election today but will he undermine trust in October's vote?

Also, President Zelensky casts doubt on the landmark agreement with Russia to resume grain shipments through the Black Sea after a missile strike on the Ukrainian port of Odesa.

Joining Celia Hatton to discuss these and other stories are, Catherine Fieschi, a political scientist and founder and executive director of the London-based Counterpoint political consultancy; and Patrick Freyne, a writer and columnist for the Irish Times newspaper who's based in Dublin.

(Image: President of Brazil Jair Bolsonaro delivers a speech during a music festival organized by a local evangelic radio station. Credit: Photo by Buda Mendes/Getty Images)

**SUN 08:30 BBC News Summary (w172ykqzddy50k7)**

The latest two minute news summary from BBC World Service.

**SUN 08:32 The Food Chain (w3ct38n3)**

Why use food for fuel?

Biofuels are a way to make our cars, lorries and even planes run on renewable fuel. They're often made from food crops.

Globally 7% of cereal crops and 15% of vegetable oil crops are used to make biofuel – according to data from the Organisation for Economic Co-operation and Development (OECD) and the United Nation's Food and Agriculture Organization (FAO).

As pressure on food prices and supply chains increase, some people are questioning why we turn food into fuel.

In this programme we'll be looking at the history of biofuels, why food crops have been used, and what alternatives may exist. Joining us are Daniel Kammen, Professor of Energy at University of California, Berkeley, who is currently serving as a senior advisor for energy and innovation in the Biden administration in the United States; Bernardo Gradin, the founder and CEO of Gran Bio, a company that produces biofuel made from sugar cane waste in Brazil; and Sailaja Nori, Chief Scientific Officer at Sea6 Energy, a company investigating the possibilities of biofuel made from seaweed in India and Indonesia.

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

Presented by Ruth Alexander.

Produced by Beatrice Pickup.

Additional reporting by Ashish Shama.

The deadline for nominations for the award referenced at the end of this podcast has been extended to **23:00 GMT** on Thursday 18th August 2022.

\*Page updated 28 July 2022 due to entry window extension.

(Image: Field of rapeseed crops behind picture of fuel nozzle. Rapeseed image credit: BBC. Fuel nozzle credit: Matthew Fearn/PA)

**SUN 09:00 BBC News (w172ykq4ybgsoz)**

The latest five minute news bulletin from BBC World Service.

**SUN 09:06 From Our Own Correspondent (w3ct329f)**

[Repeat of broadcast at 04:06 today]

**SUN 09:30 BBC News Summary (w172ykqzddy549c)**

The latest two minute news summary from BBC World Service.

**SUN 09:32 Outlook (w3ct41dq)**

My mother, India's forgotten disco diva

In 2014, Debayan Sen was cleaning the family attic in Kolkata when he made an unexpected discovery: a dusty, old vinyl record called Disco Jazz. What astonished him was that his mother Rupa was on the cover. Debayan had no idea his very traditional Indian mother had even had a music career. Not only would that album reveal Rupa's secret disco past but also an underground fanbase of millions worldwide. (This interview was first broadcast in June 2021)

Presenter: Emily Webb  
Producer: Maryam Maruf  
Sound design: Joel Cox  
Voiceover: Manoshi Barua

(Photo: Rupa Biswas Sen holding a copy of her record Disco Jazz. Credit: Courtesy Rupa Biswas Sen)

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

**SUN 10:00 BBC News (w172ykq4ybgws3)**

The latest five minute news bulletin from BBC World Service.

**SUN 10:06 People Fixing The World (w3ct3j2m)**

Saving kids with cancer

If your child develops cancer and you live in a wealthy country there's a really good chance they will survive - more than 80%. If you live elsewhere, the chances are much lower - less than 30%.

Over a decade ago, Dr Mae Dolendo set up a centre in the Philippines to treat children with cancer. Since then she's saved the lives of hundreds of children who've received treatment for free. Now others are replicating her trailblazing hospital.

We head to the Philippines to meet Dr Dolendo and see how she's linking up with St Jude's paediatric cancer team in the US — one of the best of its kind in the world. Doctors from the team provide expertise remotely, enabling Dr Dolendo to save lives for a fraction of what it would normally cost.

Presenter: Myra Anubi  
Reporter: Micaela Papa  
Producer: Jo Mathys  
Production Co-ordinator: Ibtisam Zein  
Sound mix: Hal Haines  
Executive producer: Tom Colls  
Editor: Penny Murphy

Image: Dr Mae Dolendo

**SUN 10:30 BBC News Summary (w172ykqzddy581h)**

The latest two minute news summary from BBC World Service.

**SUN 10:32 Heart and Soul (w3ct423j)**

How do I explain this?

Writer and poet Nikita Gill and sitar virtuoso and composer Anoushka Shankar are friends and collaborators whose life stories share many parallels. In this programme, recorded sitting with tea and doughnuts on the floor of a child's bedroom, they share an intimate conversation about a moment of spiritual awakening.

Nikita reflects on the idea that awakenings or epiphanies often follow a challenging or traumatic phase of life. She recalls a series of personal experiences which compelled her to take a train north and walk all through the night and into dawn. She describes how she returned from this experience a changed person.

Anoushka describes how a build up of stressful experiences pushed her to a breaking point which also became a spiritual calling.

Together the women reflect on the idea that these moments are a profound part of the story arc of our lives, forcing us to confront our deepest values and setting us on a new path. They share how the experience led to new wisdoms and spiritual practices.

Producer: Sarah Cuddon  
A Falling Tree production for BBC World Service

(Photo: Anoushka Shankar (L). Credit: Laura Lewis. (R) Nikita Gill. Credit: Peace Ofure)

**SUN 11:00 BBC News (w172ykq4ybh0j7)**

The latest five minute news bulletin from BBC World Service.

**SUN 11:06 The Newsroom (w172y17sc2pgc4m)**

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

**SUN 11:30 BBC News Summary (w172ykqzddy5csm)**

The latest two minute news summary from BBC World Service.

**SUN 11:32 The Compass (w3ct42lc)**

The Reclaimers

The reclaimers: Return to Zambia

Returning to Zambia for the first time since he was three years old, Kema Sikazwe continues his journey exploring the impact of colonial legacies through museum collections.

Since 1972, Zambians have campaigned to reclaim the 'Broken Hill Skull' from Britain. Kema learns what has led to the current stalemate, as the repatriation movement gathers pace.

Kema also meets Zambian creatives who are fabricating their own interpretations of history with 'digital repatriation' initiatives, creating new artefacts in response to stories inspired by 3D scans and photographs.

(Photo: Kema Sikazwe holds up a matchbox designed using motifs inspired by Zambian objects taken from the country. Credit: Radio Film)

**SUN 12:00 BBC News (w172ykq4ypbh48c)**

The latest five minute news bulletin from BBC World Service.

**SUN 12:06 The Inquiry (w3ct3917)**

What impact has Brexit had on the UK's economy?

In 2016 Britain voted to leave the European Union. There were warnings that pulling away from the largest trade bloc in the world would be damaging to the UK's finances. Those that campaigned for Brexit argued it would offer the UK self-determination and the freedom to forge its own trade relationships.

Who was right?

This week on The Inquiry we attempt to disentangle the numbers from the complications of the global pandemic and the war in Ukraine and ask, what impact has Brexit had on the UK's economy.

Presenter: Tanya Beckett  
 Producer: Louise Clarke-Rowbotham  
 Researcher: Christopher Blake  
 Technical Producer: Craig Boardman  
 Edited by: Tara McDermott

(image: Trade between UK and EU. Getty images)

**SUN 12:30 BBC News Summary (w172ykqzddy5hjr)**

The latest two minute news summary from BBC World Service.

**SUN 12:32 Assignment (w3ct303v)**

Shanghai lockdown

After two months of a gruelling strict lockdown, Shanghai has emerged a changed city, some residents say. During the 65 toughest days, some were reduced to begging for food and pleading for access to their young children from whom they'd been separated. The regime wasn't just brutal, some claim, it was largely fruitless, as the omicron strain of Covid continues to spread now. What's more the economic fallout for China's commercial capital, and key supply chains across the country and internationally, are only gradually becoming apparent. What's the legacy of Shanghai's zero-Covid experiment?

Producer and presenter: Ed Butler  
 Studio mix: Neil Churchill  
 Production coordinators: Iona Hammond and Gemma Ashman  
 Editor: Penny Murphy

Image: Workers in protective suits stand at a closed residential area during lockdown, amid the coronavirus disease (COVID-19) outbreak, in Shanghai, China, May 23, 2022 (Credit: Aly Song/Reuters)

**SUN 13:00 BBC News (w172ykq4ypbh80h)**

The latest five minute news bulletin from BBC World Service.

**SUN 13:06 Newshour (w172yfc21w3ksys)**

Russia admits strike hitting port of Odesa

Russia has admitted carrying out a strike on what it says were military targets in the Ukrainian port of Odesa.

Will the recent deal to resume Ukrainian grain exports be able to stick after the attack on the port through which much of the grain would pass? We hear from the Russian political scientist, Sergei Markov, who is close to the Kremlin.

Also in the programme: A pilgrimage of penance for the Pope as he heads to Canada to apologize for the abuse of tens of thousands of children in schools run by the Roman Catholic Church; and China comes a step closer to completing its first space station.

(Photo shows firefighters working to put out a fire at the seaport of Odesa, southern Ukraine. Credit: Odesa City Hall Press Office)

**SUN 14:00 BBC News (w172ykq4ypbhrm)**

The latest five minute news bulletin from BBC World Service.

**SUN 14:06 The Forum (w3ct38sm)**

La Malinche: Mexico's great 'traitor'

In Mexico the name La Malinche has become synonymous with treachery and betrayal - it even forms one of the country's most vicious insults. Some have described its owner, an indigenous slave who became the interpreter and mistress of conquistador Hernán Cortés, as the most hated woman in Mexico's history.

But by helping the Spanish topple the Aztecs in the early sixteenth century was she really guilty of selling out her own people, or simply doing everything she could to survive? Might we credit her with limiting the lives lost in the bloody conflict - one she knew her people could not hope to win?

Bridget Kendall explores the little-known life, and hotly-contested legacy of one of the most controversial figures in Latin American history, and the role she played in the meeting of the Old World and the New.

We hear how La Malinche's story, and motives, have been re-interpreted over the last 500 years, and learn why she remains important in discussions of national identity, gender, culture and politics in Mexico to this day.

Producer: Simon Tulett

Contributors:  
 Camilla Townsend, distinguished professor of history at Rutgers University, USA, and author of 'Malintzin's Choices: An Indian Woman in the Conquest of Mexico';  
 Dr Fernando Cervantes, a historian of early modern Spain and Spanish America at the University of Bristol, UK, and author of 'Conquistadores: A New History';  
 Sandra Messinger Cypess, professor emerita of Latin American literature at the University of Maryland, USA, and author of 'La Malinche in Mexican Literature: From History to Myth'.

(Picture: La Malinche - a Mexican engraving, 1885, from the library of Catalonia, Barcelona, Spain. Credit: Prisma/Universal Images Group via Getty Images)

**SUN 14:50 Over to You (w3ct35sg)**

[Repeat of broadcast at 09:50 on Saturday]

**SUN 15:00 BBC News (w172ykq4ypbhhr)**

The latest five minute news bulletin from BBC World Service.

**SUN 15:06 Music Life (w3ct30k4)**

[Repeat of broadcast at 22:06 on Saturday]

**SUN 16:00 BBC News (w172ykq4ypbh7w)**

The latest five minute news bulletin from BBC World Service.

**SUN 16:06 Sportsworld (w172ygt15dj98n)**

Live Sporting Action

Delyth Lloyd brings you two special previews; We look towards the Commonwealth Games, and take a looking at the state of Barcelona ahead of the new La Liga season.

We'll also bring you the latest from the World Athletics in Eugene, Oregon plus reaction to the WAFCON final, the final day of the Tour de France and Formula One's French Grand Prix.

Photo: The Queen's Baton visits The Wave near Bristol, England as part of the Birmingham 2022 Queen's Baton Relay. (Credit: Getty Images for Birmingham 2022 Queen's Baton Relay)

**SUN 19:00 BBC News (w172ykq4ypbhzh8)**

The latest five minute news bulletin from BBC World Service.

**SUN 19:06 The Newsroom (w172y17sc2phb3n)**

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

**SUN 19:30 BBC News Summary (w172ykqzddy6brn)**

The latest two minute news summary from BBC World Service.

**SUN 19:32 Outlook (w3ct41dq)**

[Repeat of broadcast at 09:32 today]

**SUN 20:00 BBC News (w172ykq4ypbj37d)**

The latest five minute news bulletin from BBC World Service.

**SUN 20:06 The History Hour (w3ct391g)**

Stories from iconic TV shows from around the world

The history of television from around the world and its enduring impact, including a look at Nigeria's sitcom Papa Ajasco and an interview with actor turned food writer and Indian TV cook Madhur Jaffrey.

Also we take you behind the scenes of telenovelas- Mexican soap operas and one of the most successful drama schools in Latin America The Centro de Educación Artística.

**SUN 21:00 BBC News (w172ykq4ypbj6zj)**

The latest five minute news bulletin from BBC World Service.

**SUN 21:06 Newshour (w172yfc21w3lrx)**

Russia's diplomatic offensive in Africa

Russia goes on a diplomatic offensive in Africa and rejects accusations its invasion of Ukraine has caused global food shortages.

Meanwhile, the United States also has officials in Africa, underlining their support for the continent.

Also in the programme: A new women's Tour de France has begun - one of the riders tells us about her first day in the saddle; and why the former British Prime Minister Margaret Thatcher is looming large over the race to succeed Boris Johnson in the post.

(Photo shows Russian Foreign Minister Sergei Lavrov attending a news conference in Cairo, Egypt, July 24, 2022. Credit: Amr Abdallah Dalsh/Reuters)

**SUN 22:00 BBC News (w172ykq4ypbjbn)**

The latest five minute news bulletin from BBC World Service.

**SUN 22:06 Tech Tent (w3ct375c)**

Is Tesla in trouble?

On Tech Tent this week, tech journalist Charles Arthur on the troubles at Tesla. The boss of Tinder tells our reporter Shiona McCallum how she wants to make the dating platform safer. The creator of an app to help children with type diabetes on his troubles with the Google playstore. And Robert Metcalfe, associate professor of Economics at the University of Southern California, on the powerful way fake reviews warp our online shopping habits.

**SUN 22:30 BBC News Summary (w172ykqzddy6q01)**

The latest two minute news summary from BBC World Service.

**SUN 22:32 Pick of the World (w3ct41x0)**

[Repeat of broadcast at 09:32 on Saturday]

**SUN 22:50 Over to You (w3ct35sg)**

[Repeat of broadcast at 09:50 on Saturday]

**SUN 23:00 BBC News (w172ykq4ypbjggs)**

The latest five minute news bulletin from BBC World Service.

**SUN 23:06 The Newsroom (w172yrwxhm17gjc)**

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

**SUN 23:20 Sports News (w172ygh58yb5kj2)**

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

**SUN 23:30 BBC News Summary (w172ykqzddy6tr5)**

The latest two minute news summary from BBC World Service.

**SUN 23:32 Outlook (w3ct41dq)**

[Repeat of broadcast at 09:32 today]

**MONDAY 25 JULY 2022**

**MON 00:00 BBC News (w172ykq4ypbj6x)**

The latest five minute news bulletin from BBC World Service.

**MON 00:06 From Our Own Correspondent (w3ct3291)**

[Repeat of broadcast at 04:06 on Sunday]

**MON 00:30 BBC News Summary (w172ykqzddy6yh9)**

The latest two minute news summary from BBC World Service.

**MON 00:32 Heart and Soul (w3ct423j)**

[Repeat of broadcast at 10:32 on Sunday]

**MON 01:00 BBC News (w172ykq59ymnk76)**

The latest five minute news bulletin from BBC World Service.

**MON 01:06 The Newsroom (w172y17sqbzmvwl)**

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

**MON 01:30 BBC News Summary (w172ykqzrp7bxxl)**

The latest two minute news summary from BBC World Service.

**MON 01:32 Discovery (w3ct42s1)**

The mysterious particles of physics, part 3

The smaller the thing you look at, the bigger the microscope you need to use. That's why the circular Large Hadron Collider at CERN, where they discovered the Higgs boson is 27 kilometres long, and its detectors tens of metres across. But to dig deeper still into the secrets of the Universe, they're already talking about another machine 4 times bigger, to be built by the middle of the century. Roland Pease asks if it's worth it.

Image: CMS Beampipe removal LS2 2019 (Credit: Maximilien Brice/CERN)

**MON 02:00 BBC News (w172ykq59ymnnzb)**

The latest five minute news bulletin from BBC World Service.

**MON 02:06 The Newsroom (w172y17sqbz0lq)**

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

**MON 02:30 BBC News Summary (w172ykqzrp7c17q)**

The latest two minute news summary from BBC World Service.

**MON 02:32 The Climate Question (w3ct3kj6)**

Can flying ever be climate friendly?

Since the 1990s, air flight has made the world a smaller place. In one 24-hour period you can fly to the other end of the globe. In an hour you might be able to skip the traffic and fly to the other end of your country.

But this convenience comes at a cost...to the climate. Aviation accounts for somewhere between 2 to 5% of the world's emissions. And as the world's desire to travel proves insatiable, the number of planes in the sky each day is only increasing.

The aviation industry has aspirational plans to decarbonise using sustainable and/or synthetic aviation fuels. But these are currently some way off. In the meantime, airlines are offering carbon offsets.

Offsets are controversial products and only 1% of passengers pay for them. So, this week on The Climate Question we are asking, can flying ever be climate friendly?

Presenters Neal Razzell and Merlyn Thomas speak with the following contributors:

Jo Dardenne, Aviation Director at Transport & Environment  
Souparna Lahiri, Climate Policy Advisor with The Global Forest Coalition

Simon Berrow, Chief Executive Officer of the Irish Whale and Dolphin Group

Joana Setzer, Assistant Professor at the Grantham Research Institute on Climate Change & the Environment, LSE

Special thanks to Helen Coffey, author of Zero Altitude: How I learned to fly less and travel more

Sebastian Mikosz of the International Air Transport Association (IATA)

The team this week:

Reporters: Peter O'Connell in Kilrush on the west coast of Ireland

Researcher: Louise Parry & Immy Rhodes

Producer: Dearbhail Starr

Series Producer: Alex Lewis

Production Coordinators: Iona Hammond & Siobhan Reed

Editor: Richard Vaden

Sound Magician: Tom Brignell

**MON 03:00 BBC News (w172ykq59ymnsqg)**

The latest five minute news bulletin from BBC World Service.

**MON 03:06 Tech Tent (w3ct375e)**

[Repeat of broadcast at 22:06 on Sunday]

**MON 03:30 BBC News Summary (w172ykqzrp7c4zv)**

The latest two minute news summary from BBC World Service.

**MON 03:32 Pick of the World (w3ct41x0)**

[Repeat of broadcast at 09:32 on Saturday]

**MON 03:50 Over to You (w3ct35sg)**

[Repeat of broadcast at 09:50 on Saturday]

**MON 04:00 BBC News (w172ykq59ymnxxl)**

The latest five minute news bulletin from BBC World Service.

**MON 04:06 The Newsroom (w172y17sqbz82z)**

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

**MON 04:30 BBC News Summary (w172ykqzrp7c8qz)**

The latest two minute news summary from BBC World Service.

**MON 04:32 The Conversation (w3ct37m4)**

Searching for missing women

What would you do if a loved one went missing? Kim Chakanetsa talks to two women whose lives have been touched by a missing person's case, and now help other families find answers.

Dr Chung Pham is an anti-trafficking specialist from Vietnam. When she was a teenager, she stopped the initial abduction of a schoolmate, who was later trafficked into China. After relocating to the UK, Chung became an advocate for unaccompanied asylum-seeking children, often victims of trafficking or modern slavery. This inspired her to join Locate International, a charity helping relatives of missing people find their loved ones.

Dr Michelle Jeanis is an assistant professor in the Criminal Justice department at University of Louisiana at Lafayette. Her research focuses on the best practices to help locate people who disappear and on the media coverage of missing people's cases. She decided to study this topic after her friend's sister, Mickey Shunik, disappeared in 2012.

Produced by Alice Gioia

(Image: (L) Michelle Jeanis, credit Scarlett Davis. (R) Chung Pham, credit Hong Van.)

**MON 05:00 BBC News (w172ykq59ymp16q)**

The latest five minute news bulletin from BBC World Service.

**MON 05:06 Newsday (w172yf8m2y1pnw4)**

Myanmar military executes four democracy activists

State media in Myanmar say the military authorities have carried out the country's first executions in decades. The UN's special rapporteur for Myanmar said he was outraged by the executions and called on the international community to take action.

Russian foreign minister Sergei Lavrov is in Africa seeking non-Western alliances as Moscow pushes back against international censure over the war in Ukraine.

And Pope Francis is in Canada on tour of 'penance' for indigenous abuse.

**MON 06:00 BBC News (w172ykq59ymp4yv)**

The latest five minute news bulletin from BBC World Service.

**MON 06:06 Newsday (w172yf8m2y1psm8)**

Myanmar: Government says they have executed four prisoners

State media in Myanmar say the military authorities have carried out the country's first executions in decades.

Russia's foreign minister, Sergei Lavrov, is on a tour of Africa, seeking to draw alliances against international censure over the war in Ukraine.

And Thirteen Lives, based on the dramatic 2018 rescue of 12 boys and their coach in Thailand.

**MON 07:00 BBC News (w172ykq59ymp8pz)**

The latest five minute news bulletin from BBC World Service.

**MON 07:06 Newsday (w172yf8m2y1pxcd)**

Myanmar executions: International condemnation

State media in Myanmar say the military authorities have carried out the country's first executions in decades. The junta announced it would resume executions last month, prompting condemnation from the UN.

Russian foreign minister Sergei Lavrov begins an African tour, seeking alliances against international censure over the war in Ukraine.

And in California, a state of emergency as wildfires threaten homes and lives.

**MON 08:00 BBC News (w172ykq59ympd3)**

The latest five minute news bulletin from BBC World Service.

**MON 08:06 HARDtalk (w3ct32ln)**

Marjorie Dannenfelser: The future of the anti-abortion movement

In overturning Roe v Wade, the US Supreme Court rejected the argument that the US Constitution guaranteed a woman's right to have an abortion. Now it's down to lawmakers in individual states to decide - and a host of state legislatures have already acted to make abortion illegal. Stephen Sackur speaks to Marjorie Dannenfelser, president of Susan B. Anthony Pro-Life America, an activist group supporting anti-abortion politicians. Organisations like hers are savouring a big victory, but could it yet turn sour?

**MON 08:30 BBC News Summary (w172ykqzrp7crqh)**

The latest two minute news summary from BBC World Service.

**MON 08:32 Business Daily (w3ct30xg)**

How Kenyan farmers are adapting to climate change

Climate change - which the United Nations defines as long-term shifts in temperatures and weather patterns - is a growing global problem, particularly for farmers. A recent UN report found agricultural productivity growth in Africa has decreased by 34 percent since 1961. That's more than any other region in the world.

Michael Kaloki takes a road trip around Kenya, speaking to farmers about their struggles to grow crops with the increasingly unpredictable weather.

He asks Rachel Bezner Kerr, a professor at the Department of Global Development at Cornell University in the United States why climate change is happening and what the future holds.

He visits the organisations that are trying to help farmers adapt to climate change. Dr Ivan Rwomushana, from the non-profit inter-governmental organisation CABI, and Oliver Furechi from the charity Practical Action tell him what strategies and solutions they're teaching farmers.

Presenter: Michael Kaloki

Producer: Jo Critcher

Image: Nancy, a farmer in the county of Nakuru in Kenya; Credit: BBC

**MON 08:50 Witness History (w3ct3bz0)**

Ukraine's Revolution on Granite

In 1990, Ukrainian students went on a hunger strike that helped bring down the Soviet regime there. It took place in Kyiv's central square and inspired later protests against Russian influence in Ukraine: the 2004 Orange Revolution and the 2014 Maidan Revolution. The granite floor of the square provided its name: the 'Revolution on Granite'. Ben Henderson spoke to Oksana Zabuzhko, an award-winning Ukrainian author, who participated in the protest when she was a recent university graduate.

(Photo: Oksana Zabuzhko wearing a red jumper at the Revolution on Granite in 1990)

**MON 09:00 BBC News (w172ykq59ympj67)**

The latest five minute news bulletin from BBC World Service.

**MON 09:06 The Climate Question (w3ct3kj6)**

[Repeat of broadcast at 02:32 today]

**MON 09:30 BBC News Summary (w172ykqzrp7cwgm)**

The latest two minute news summary from BBC World Service.

**MON 09:32 CrowdScience (w3ct3j74)**

Why is this song stuck in my head?

You have probably experienced an 'earworm' - a catchy bit of

music that plays round and round in your head and won't go away – at least for a short while. But why did it pop up in the first place and how did it get stuck?

CrowdScience listener Ryota in Japan wants us to dig into earworms, so presenter Datsiane Navanayagam bravely puts on her headphones to immerse herself in the world of sounds that stick. She meets with a composer of children's songs as well as music psychologists to find out if there is a special formula to creating catchy songs and probes if this musical brain quirk serves any useful purpose. Datsiane then explores whether some people are more prone to catching earworms than others. Finally, for those who find this phenomenon disturbing - she asks is there a good way of getting rid of them?

Come join us down the audio wormhole - disclaimer - the BBC is not responsible for any annoying earworms caused by this broadcast.

Presented by Datsiane Navanayagam and produced by Melanie Brown

Interviewees:

Kelly Jakubowski – Assistant Professor in Music Psychology, Durham University  
Bill Sherman – Musical Director of Sesame Street  
Ashley Burgoyne – Computational Musicologist, University of Amsterdam

[Image: Audio Cassette. Credit: Getty Images]

**MON 10:00 BBC News (w172ykq59ympmyc)**

The latest five minute news bulletin from BBC World Service.

**MON 10:06 The Cultural Frontline (w3ct37rp)**

[Repeat of broadcast at 23:32 on Saturday]

**MON 10:30 BBC News Summary (w172ykqzrp7d06r)**

The latest two minute news summary from BBC World Service.

**MON 10:32 Dear Daughter (w3ct42g7)**

[Repeat of broadcast at 05:32 on Saturday]

**MON 10:50 More or Less (w3ct3k4x)**

[Repeat of broadcast at 05:50 on Saturday]

**MON 11:00 BBC News (w172ykq59ymprph)**

The latest five minute news bulletin from BBC World Service.

**MON 11:06 The Newsroom (w172yl7sqbzp39w)**

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

**MON 11:30 BBC News Summary (w172ykqzrp7d3yw)**

The latest two minute news summary from BBC World Service.

**MON 11:32 The Conversation (w3ct37m4)**

[Repeat of broadcast at 04:32 today]

**MON 12:00 BBC News (w172ykq59ympwfm)**

The latest five minute news bulletin from BBC World Service.

**MON 12:06 Outlook (w3ct34nj)**

The figure-skating star who fell to earth

Keri Blakinger spent her childhood and teenage years training as an elite-level figure skater in the US while also studying hard and doing well at school. But at 17 her skating dreams ended abruptly and she found herself unable to cope. Without the rigid structure of her athletic life, she found herself homeless, addicted to heroin and doing sex work and spent two years in prison for drug possession. But she later went back to university, retrained and is now an investigative reporter focusing on justice for prisoners.

Get in touch: outlook@bbc.com

Presenter: Jo Fidgeon

Producers: Rebecca Vincent and Emily Dicks

(Photo: Keri Blakinger. Credit: Ilana Panich-Linsman)

**MON 12:50 Witness History (w3ct3bz0)**

[Repeat of broadcast at 08:50 today]

**MON 13:00 BBC News (w172ykq59ymq05r)**

The latest five minute news bulletin from BBC World Service.

**MON 13:06 The Newsroom (w172yl7sqbzpbt4)**

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

**MON 13:30 BBC News Summary (w172ykqzrp7dcg4)**

The latest two minute news summary from BBC World Service.

**MON 13:32 CrowdScience (w3ct3j74)**

[Repeat of broadcast at 09:32 today]

**MON 14:00 BBC News (w172ykq59ymq3xw)**

The latest five minute news bulletin from BBC World Service.

**MON 14:06 Newshour (w172yfc2f4dsnw5)**

Myanmar: Military executes four democracy activists

Four democracy activists have been executed by Myanmar's military in what is believed to be the first use of capital punishment in decades. The four - including activist Ko Jimmy and lawmaker Phyo Zeya Thaw - were accused of committing "terror acts". We hear reaction from the UN and the National Unity Government of Myanmar in exile.

Also in the programme: people head to the polls in Tunisia to vote on a new constitution; and Bob Rafelson, an influential producer and director who co-created The Monkees, has died at the age of 89.

(Image: Prominent pro-democracy activist Kyaw Min Yu, or Ko Jimmy, pictured in 2012. Credit Soe Zeya Tun/Reuters)

**MON 15:00 BBC News (w172ykq59ymq7p0)**

The latest five minute news bulletin from BBC World Service.

**MON 15:06 HARDtalk (w3ct32ln)**

[Repeat of broadcast at 08:06 today]

**MON 15:30 BBC News Summary (w172ykqzrp7dlyd)**

The latest two minute news summary from BBC World Service.

**MON 15:32 World Business Report (w172yk4pd0sp43h)**

Fight for influence in Africa

Russia's Foreign Minister Sergei Lavrov and President of France Emmanuel Macron (hot on the heels of China) are touring the world's fastest-growing continent, with grain supplies one of the items high on the agenda, we ask how much difference this will make to businesses there. We speak to BBC Uganda correspondent Patience Atuhaire and creative director of Virgoli Fashion in Nigeria, Alaezi Akpuru.

China's property developers are in so much trouble with debt, that reports say state banks are setting up an emergency fund that could be worth forty-four billion dollars to help them survive. Dr Linda Yueh, fellow in Economics at Oxford University, explains how it might work?

And cabin crew working for Ryanair in Spain have started a 4-day strike today, for the third time this month. Manuel Lodeiro, vice president of the SITCPLA union Ryanair employee of 14 years, explains why they're striking.

(Picture: Hand harvesting of wheat in Morocco. Credit: Getty Images)

**MON 16:00 BBC News (w172ykq59ymqcf4)**

The latest five minute news bulletin from BBC World Service.

**MON 16:06 BBC OS (w172yg1n6fz4rs6)**

Wildfires in Greece

We continue to hear how heatwaves, wildfires and drought are disrupting people's lives and livelihoods around the world. We talk to people in Greece where residents have been evacuated away from forest fires.

What can you do when the people closest to you believe climate change is a hoax? The BBC's Climate Disinformation reporter has been speaking to people across the world who have been facing that very challenge.

Two young female Nigerian track and field athletes tell us why they have moved to America for better opportunities to compete. They also describe what it was like to watch Tobi Amusan break 100m hurdles world record at the World Athletics Championships in Oregon.

We hear about a secret mission by the UK government and charities to evacuate LGBT+ people from Afghanistan shortly after the Taliban regained power last August.

(Photo: Wildfire in Dadia National Park in Evros, Soufli, Greece - 24 Jul 2022 Credit: DIMITRIS ALEXOUDIS/EPA-EFE/REX/Shutterstock)

**MON 17:00 BBC News (w172ykq59ymqh58)**

The latest five minute news bulletin from BBC World Service.

**MON 17:06 BBC OS (w172yg1n6fz4wjb)**

Nigerian athletes

Nigeria is celebrating a victory at the World Athletics Championships; Tobi Amusan won the 100m hurdles and also broke the world record. She left Nigeria to study and train in the United States, and we hear from two young Nigerian sprinters following in her footsteps.

We speak to two people in California caught up in a wildfire. Officials have warned that a combination of drought, climate change, and overgrown vegetation are increasing the chances of the fire spreading rapidly.

The Pope is making a historic visit to offer a formal apology on Canadian soil for the harms done by the Catholic-run residential schools across the country. We get reaction from Canada.

It is a big moment in the battle to become the next UK Prime Minister when two conservative candidates left in the race – Liz Truss and Rishi Sunak – go head to head in a televised debate tonight. We find out what's expected.

(Photo: Gold Medallist Nigeria's Tobi Amusan celebrates after winning the women's 100 metres hurdles final Credit: Mike Segar/Reuters)

**MON 18:00 BBC News (w172ykq59ymqlxd)**

The latest five minute news bulletin from BBC World Service.

**MON 18:06 Outlook (w3ct34nj)**

[Repeat of broadcast at 12:06 today]

**MON 18:50 Witness History (w3ct3bz0)**

[Repeat of broadcast at 08:50 today]

**MON 19:00 BBC News (w172ykq59ymqqnj)**

The latest five minute news bulletin from BBC World Service.

**MON 19:06 The Newsroom (w172yl7sqbzq28x)**

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

**MON 19:30 BBC News Summary (w172ykqzrp7f2xx)**

The latest two minute news summary from BBC World Service.

**MON 19:32 Sport Today (w172ygfjrrf07mf)**

2022/07/25 GMT

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

**MON 20:00 BBC News (w172ykq59ymqvdm)**

The latest five minute news bulletin from BBC World Service.

**MON 20:06 The Climate Question (w3ct3kj6)**

[Repeat of broadcast at 02:32 today]

**MON 20:30 BBC News Summary (w172ykqzrp7f6p1)**

The latest two minute news summary from BBC World Service.

**MON 20:32 Discovery (w3ct30bn)**

Plant based promises, rise of the plant based burger

In Plant Based Promises, foodie, researcher and broadcaster Giles Yeo looks at the science behind plant based diets and the increasing number of plant based products appearing in supermarkets and restaurants. The market for plant based products could be worth \$162 billion in the next ten years and Giles asks how sustainable and healthy the products are and the role they play in decreasing the world's carbon footprint.

Globally food production accounts for about 30% of greenhouse gases. In the UK we eat over six times the amount of meat and more than twice the amount of dairy products recommended to prevent the global temperature increasing more than 1.5 degrees C, after which extreme weather events become more severe. But eating less meat and dairy means new protein sources from plants are needed and how easy or

practical is it for people to change their diets? Veganuary, where people pledge to go vegan for the month of January show that people are willing to change what they eat for a variety of reasons including animal welfare, sustainability and health.

In programme one Giles, an expert on food intake looks at some of the foods being developed to replace animal based foods and looks at alternatives to the iconic cheeseburger. Giles meets biochemist Professor Pat Brown founder of Impossible Burgers, a Silicon Valley start up making burgers from genetically modified yeast to replicate the taste of meat.

But from high tech to the artisanal, sisters Rachel and Charlotte Stevens missed eating cheese so much they are now making cheese alternatives using traditional moulds, cultures and aging techniques while replacing dairy ingredients with nuts.

**MON 21:00 BBC News (w172ykq59ymqz4s)**  
The latest five minute news bulletin from BBC World Service.

**MON 21:06 Newshour (w172yfc2f4dtj32)**  
UN condemns Myanmar executions

Myanmar military executes four prodemocracy activists; The BBC investigates ethnic violence in Northwest Nigeria; and we speak to a Ukrainian MP about her effort to convince countries to liquidate Russian assets to help rebuild Ukraine.

(Photo: Pro-democracy activists demonstrate in Yangon Myanmar. Credit: Reuters)

**MON 22:00 BBC News (w172ykq59ymr2wx)**  
The latest five minute news bulletin from BBC World Service.

**MON 22:06 HARDtalk (w3ct32ln)**  
[Repeat of broadcast at 08:06 today]

**MON 22:30 BBC News Summary (w172ykqzrp7fg59)**  
The latest two minute news summary from BBC World Service.

**MON 22:32 The Conversation (w3ct37m4)**  
[Repeat of broadcast at 04:32 today]

**MON 23:00 BBC News (w172ykq59ymr6n1)**  
The latest five minute news bulletin from BBC World Service.

**MON 23:06 The Newsroom (w172yrxwvbg6pm)**  
The world's Newsroom brings you global events as they happen

**MON 23:20 Sports News (w172ygh5n6md9pb)**  
BBC Sport brings you all the latest stories and results from around the world.

**MON 23:30 BBC News Summary (w172ykqzrp7fkxf)**  
The latest two minute news summary from BBC World Service.

**MON 23:32 World Business Report (w172yk5htrdddht)**  
Will Ukraine grain exports resume?

Ukraine's president, Volodymyr Zelensky, says he's confident that the export of grain from the country's Black Sea ports will resume this week, easing the global food crisis. One wheat and maize farmer in Ukraine tells us why he's not optimistic plans will go ahead.

Russia is to further reduce gas deliveries through its Nordstream One pipeline to Germany to just a fifth of capacity from Wednesday. Jeff Sonnenfeld is a Yale University professor in the United States who has been tracking the Russian economy since the country invaded Ukraine. We hear his analysis of the situation.

The National Football League is one of the most watched sporting events in the US and now the NFL has launched their own subscription service to ensure that remains the case. NFL journalist Melissa Jacobs explains the move from Oakland, California.

(Picture: Farmers harvest a wheat field in the Ukrainian Kharkiv region on July 19, 2022, amid Russian invasion of Ukraine. Picture Credit: Getty Images).

TUESDAY 26 JULY 2022

**TUE 00:00 BBC News (w172ykq59ymrbd5)**  
The latest five minute news bulletin from BBC World Service.

**TUE 00:06 The History Hour (w3ct39lg)**  
[Repeat of broadcast at 20:06 on Sunday]

**TUE 01:00 BBC News (w172ykq59ymrg49)**  
The latest five minute news bulletin from BBC World Service.

**TUE 01:06 Business Matters (w172ydpgt18sgj6)**  
How a drought in the horn of Africa is contributing to a rise in child marriage

Sam Fenwick is joined by Peter Morici, an economist at the University of Maryland and Lulu Chen, a journalist with Bloomberg Asia Investing and Real Estate in Hong Kong.

Ukraine's president, Volodymyr Zelensky, says he's confident that the export of grain from the country's Black Sea ports will resume this week, easing the global food crisis. One wheat and maize farmer in Ukraine tells us why he's not optimistic plans will go ahead.

We take a look at China's property crisis which has seen people take to the streets in protest. China's property developers are in so much trouble with debt, that the government is expected to launch a \$44 billion fund to help prop them up.

Finally, UNICEF tells Business Matters that the drought in Somalia, Ethiopia and Kenya is leading to a significant jump in the number of adolescent girls being forced into early marriage.

(Picture: Women look on as they stand in a window in the camp for internally displaced people of Farbuo 2 in the village of Adlale, near the city of Gode, Ethiopia, on April 6, 2022. Picture Credit: Getty Images).

**TUE 02:00 BBC News (w172ykq59ymrkwf)**  
The latest five minute news bulletin from BBC World Service.

**TUE 02:06 The Newsroom (w172yl7sqbzqxbt)**  
The world's Newsroom brings you global events as they happen

**TUE 02:30 BBC News Summary (w172ykqzrp7fy4t)**  
The latest two minute news summary from BBC World Service.

**TUE 02:32 The Documentary (w3ct43cx)**  
Birmingham's grassroots heroes

The 2022 Commonwealth Games is being hosted by the UK's central city of Birmingham - ethnically diverse and where the age profile is younger compared to other British cities. It is home to many people with familial links to commonwealth member countries such as India and the Caribbean. As Birmingham welcomes 4,500 athletes from around the world, Nina Robinson talks to the city's 'Hometown Heroes' - locals who have been recognised for their contribution to sport. These include wrestling coach, Ranjit Singh who has been teaching wrestling from his local Sikh Gurdwara for decades and Joan Hunter who has helped grow many generations of local netball players.

We also meet Jeevan Chaggar – the youngest person ever to be made Chair of an English Hockey Club and Salma Bi who founded the UK's first South Asian women's cricket team in the UK and has received the British Empire Medal for services to cricket and diversity in sport.  
Will the Games leave a positive legacy worth keeping and how much relevance does the commonwealth as an institution hold for residents in 2022?

Presenter: Nina Robinson  
Researcher: Dylan Hayward.  
A Soundtruism production for BBC World Service

**TUE 03:00 BBC News (w172ykq59ymrpmk)**  
The latest five minute news bulletin from BBC World Service.

**TUE 03:06 Outlook (w3ct34nj)**  
[Repeat of broadcast at 12:06 on Monday]

**TUE 03:50 Witness History (w3ct3bz0)**  
[Repeat of broadcast at 08:50 on Monday]

**TUE 04:00 BBC News (w172ykq59ymrtcp)**  
The latest five minute news bulletin from BBC World Service.

**TUE 04:06 The Newsroom (w172yl7sqbzr502)**  
The world's Newsroom brings you global events as they happen

**TUE 04:30 BBC News Summary (w172ykqzrp7g5n2)**  
The latest two minute news summary from BBC World Service.

**TUE 04:32 In the Studio (w3ct3jj6)**  
Giffords Circus rides again

The horses are learning their dance routines, the acrobats are perfecting their tumbles and sequins are being sewn onto leotards and leggings - in 2017, In the Studio had ringside seats to the circus. Antonia Quirke met the inner circle of Giffords Circus as they conceived and crafted the show where the theme was the 17th Century Spanish court. The team were led by circus creator Nell Gifford, who left home aged 18 to join her first circus. She then set up her own travelling troupe based in the West of England featuring performers from all over the world. As the circus rides again this summer, Antonia reveals the tragedy that befell the troupe a couple of years after the programme was broadcast.

Presented and produced by Antonia Quirke  
Executive produced by Stephen Hughes for the BBC World Service

**TUE 05:00 BBC News (w172ykq59ymry3t)**  
The latest five minute news bulletin from BBC World Service.

**TUE 05:06 Newsday (w172yf8m2ylsks7)**  
Russia's Gazprom to make drastic cut to Europe's gas supply

European Union energy ministers are due to hold an emergency meeting to discuss a plan to wean the EU off its reliance on Russian gas. The meeting has taken on additional importance following the announcement from Moscow on Monday that it will further cut supplies.

Russia's Foreign Minister Sergey Lavrov arrived Monday in Uganda, the third stop on an African tour to strengthen ties with the continent and seek support against Western pressure over Moscow's invasion of Ukraine.

And Pope Francis said he is sorry for Canada's residential schools but survivors say his apology does not go far enough.

**TUE 06:00 BBC News (w172ykq59yms1vy)**  
The latest five minute news bulletin from BBC World Service.

**TUE 06:06 Newsday (w172yf8m2ylspjc)**  
Ukraine accuses Russia of waging gas war

European Union energy ministers are due to hold an emergency meeting to discuss a plan to wean the EU off its reliance on Russian gas. The gathering in Brussels has taken on added importance following the announcement by the Russian firm, Gazprom, on Monday that it would further cut supplies.

Saudi Crown Prince Mohammed bin Salman is in Greece, his first visit to an EU country since the 2018 killing of Saudi journalist Jamal Khashoggi.

And the US state of Florida hurries to contain a fast-spreading snail invasion.

**TUE 07:00 BBC News (w172ykq59yms5m2)**  
The latest five minute news bulletin from BBC World Service.

**TUE 07:06 Newsday (w172yf8m2ylst8h)**  
Russia cuts gas deliveries to Europe via Nord Stream 1

European Union energy ministers are due to hold emergency talks on a plan to wean the bloc off its reliance on Russian gas.

Fierce exchanges during a head-to-head televised debate between the two candidates who hope to replace Boris Johnson as the British prime minister. Liz Truss accused her opponent, Rishi Sunak, of scaremongering over her promise to cut taxes.

And a rights group has filed a criminal complaint with Singapore's attorney general, seeking the arrest of former President Gotabaya Rajapaksa for his role in the South Asian nation's decades-long civil war.

**TUE 08:00 BBC News (w172ykq59yms9c6)**  
The latest five minute news bulletin from BBC World Service.

**TUE 08:06 People Fixing The World (w3ct3j2n)**  
Using finance to fight homelessness

Bank accounts and clever investment schemes are being used to help improve the lives of homeless people.

In the UK, a number of banks have started offering accounts to homeless people - which until recently were only available to people with a fixed address.

Having a bank account can be a crucial turning point, and we meet a disabled homeless person in one of Britain's biggest cities, who's now able to receive welfare payments as a result.

We also hear from the city of Denver, Colorado, in the United States, where investors were invited to finance a scheme to house people classed as 'chronically' homeless.

If the scheme succeeded in saving money for the City council by keeping those people out of Emergency Rooms and police cells, the investors would get their money back - if the initiative failed, they'd lose their cash. Find out what happened on People Fixing the World.

Presenter: Myra Anubi  
Reporter: Daniel Gordon  
Production Co-ordinator: Ibtisam Zein  
Sound mix: Hal Haines  
Editor: Penny Murphy

Image: Hands holding a house (Getty Images)

**TUE 08:30 BBC News Summary (w172ykqzrp7gmm)**  
The latest two minute news summary from BBC World Service.

**TUE 08:32 Business Daily (w3ct316h)**  
Commonwealth Games 2022: the most sustainable ever?

The Commonwealth Games 2022 is coming to England's second biggest city, Birmingham, which is home to almost six million people and more than 450,000 businesses. It's expected to create 35,000 new jobs and skills opportunities and generate an extra £1.2bn (\$1.4bn) for the city's economy.

Organisers are promising that it will be the most sustainable Commonwealth Games ever and will leave a carbon neutral legacy. That means any CO2 released into the atmosphere from the event will be balanced by an equivalent amount being removed.

Nisha Patel travels to Birmingham to speak to some of the people behind the games to get an insight into how they plan to achieve this and to find out how important the event is to the city.

Produced and presented by Nisha Patel.

Image: Alexander Stadium, Birmingham, Credit: Birmingham City Council

**TUE 08:50 Witness History (w3ct3c3j)**  
The Surkov leaks

In 2016, Ukrainian hackers leaked thousands of emails belonging to Russian President Vladimir Putin's right hand man, Vladislav Surkov.

They provided a rare glimpse into the inner workings of the Kremlin and fresh insight into the invasion in Ukraine.

Rachel Naylor speaks to Alya Shandra, the journalist who read them all.

(Photo: Vladislav Surkov in 2008. Credit: DMITRY ASTAKHOV/AFP/Getty Images)

**TUE 09:00 BBC News (w172ykq59ymsf3b)**  
The latest five minute news bulletin from BBC World Service.

**TUE 09:06 The Documentary (w3ct43cx)**  
[Repeat of broadcast at 02:32 today]

**TUE 09:30 BBC News Summary (w172ykqzrp7gscq)**  
The latest two minute news summary from BBC World Service.

**TUE 09:32 Discovery (w3ct30bn)**  
[Repeat of broadcast at 20:32 on Monday]

**TUE 10:00 BBC News (w172ykq59ymsjvg)**  
The latest five minute news bulletin from BBC World Service.

**TUE 10:06 The Arts Hour (w3ct390d)**  
[Repeat of broadcast at 20:06 on Saturday]

**TUE 11:00 BBC News (w172ykq59ymsnll)**  
The latest five minute news bulletin from BBC World Service.

**TUE 11:06 The Newsroom (w172y17sqbz06z)**  
The world's Newsroom brings you global events as they happen

**TUE 11:30 BBC News Summary (w172ykqzrp7h0vz)**  
The latest two minute news summary from BBC World Service.

**TUE 11:32 In the Studio (w3ct3jj6)**  
[Repeat of broadcast at 04:32 today]

**TUE 12:00 BBC News (w172ykq59ymsnbq)**  
The latest five minute news bulletin from BBC World Service.

**TUE 12:06 Outlook (w3ct3532)**  
The life and loves of the world's oldest drag queen

91-year-old Walter Cole still struts his stuff on stage as his alter ego Darcelle XV – now with a glitter-studded walker. Performing since 1969, Darcelle XV has broken the record as the world's oldest drag queen. Walter's story begins in a small mill town on America's west coast. He had a difficult childhood, but joining the military and marrying his high school sweetheart gave him new possibilities. Walter opened businesses in Portland, Oregon and one of them changed his life completely. He turned a rundown bar into a thriving cabaret venue and created Darcelle XV. Walter tells Outlook's Claudia Meza that immersing himself in the gay community helped him confront who he really was and how a dancer called Roxy became the love of his life. Walter has written a book about his life called: Just Call Me Darcelle.

Nims Purja was a member of the Gurkhas, the elite force of Nepalese soldiers in the British Army. Their motto is 'better to die than be a coward' and in 2019 Nims set himself a fearless task - climbing all 14 of the world's 'death zone' mountains in record time. Part of his motivation was his mother, who was seriously ill. This interview was first broadcast in December 2020.

Get in touch: outlook@bbc.com

Presenter: Jo Fidge  
Producer: Deiniol Buxton

(Photo: Darcelle XV. Credit: Courtesy of Walter Cole)

**TUE 12:50 Witness History (w3ct3c3j)**  
[Repeat of broadcast at 08:50 today]

**TUE 13:00 BBC News (w172ykq59ymsx2v)**  
The latest five minute news bulletin from BBC World Service.

**TUE 13:06 The Newsroom (w172y17sqbz7q7)**  
The world's Newsroom brings you global events as they happen

**TUE 13:30 BBC News Summary (w172ykqzrp7h8c7)**  
The latest two minute news summary from BBC World Service.

**TUE 13:32 Discovery (w3ct30bn)**  
[Repeat of broadcast at 20:32 on Monday]

**TUE 14:00 BBC News (w172ykq59ymt0tz)**  
The latest five minute news bulletin from BBC World Service.

**TUE 14:06 Newshour (w172yfc2f4dwwks8)**  
EU countries agree to cut gas use

European Union countries have agreed to reduce their natural gas consumption by fifteen percent - over fears that Russia could completely cut off supplies to the continent. So what difference will the deal make?

Also in the programme: we speak to the widow of one of the four pro-democracy activists executed by Myanmar's military government; and the Pope goes to Canada to beg for forgiveness for the Catholic Church's involvement in the forced assimilation of indigenous children.

(Image: Pipes at the landfill facilities of the "Nord Stream 1" gas pipeline in Lubmin, Germany, March 8, 2022 / Credit: Reuters/Hannibal Hanschke)

**TUE 15:00 BBC News (w172ykq59ymt4l3)**  
The latest five minute news bulletin from BBC World Service.

**TUE 15:06 People Fixing The World (w3ct3j2n)**  
[Repeat of broadcast at 08:06 today]

**TUE 15:30 BBC News Summary (w172ykqzrp7hhvh)**  
The latest two minute news summary from BBC World Service.

**TUE 15:32 World Business Report (w172yk7z4y6j7qr)**  
Europe agrees gas-saving deal

EU nations have agreed on a voluntary deal to save 15% of their gas usage to protect against further cuts in supplies from Russia - but will it work? We hear from Politico Europe's Suzanne Lynch on the scope of the deal.

Amid daily power cuts, South Africa's President Cyril Ramaphosa has promised to open up power generation to new private players, clear the state-owned company Eskom's debt, and make its energy greener. Chief economist at the Efficient Group in Pretoria, Dawie Roodt, explains how events came to this.

And with the England playing Sweden in the semi-finals of the women's Euro 2022, we ask, Simon Jenkins, chief strategy officer for advertising agency VCCP Media, where the opportunities for both advertisers and the women's game may lie.

(Picture: BRUSSELS, BELGIUM - JULY 26: The EU Extraordinary Transport, Telecommunications and Energy Council in Brussels, Belgium on July 26, 2022. Credit: Getty Images)

**TUE 16:00 BBC News (w172ykq59ymt8b7)**  
The latest five minute news bulletin from BBC World Service.

**TUE 16:06 BBC OS (w172yg1n6fz7np9)**  
EU agrees to reduce gas use

European Union members have agreed to cut gas use in case Russia halts supplies but some countries will have exemptions to avoid rationing. We hear more from our correspondent in Brussels.

The Archbishop of Canterbury has been forced to revise a motion asking Anglican bishops around the world to oppose same-sex marriage. Our religion reporter explains.

The American basketball player Brittney Griner has made a court appearance in Moscow in a case on drug charges. We hear about her case and speak to two basketball players about her plight.

Sergei Lavrov, the Russian foreign minister, is in Uganda on the latest stop of his tour of Africa. Our reporter in Kampala explains what has been happening today.

(Photo: A model of the natural gas pipeline is seen in front of displayed word EU and Russia flag colours in this illustration taken March 8, 2022. Credit: Dado Ruvic/Illustration/File Photo/Reuters)

**TUE 17:00 BBC News (w172ykq59ymtd2c)**  
The latest five minute news bulletin from BBC World Service.

**TUE 17:06 BBC OS (w172yg1n6fz7sff)**  
Wildfires in Portugal and California

Thousands of firefighters have been tackling fires in southern Europe and in the west of the US. We hear from two people who were forced to leave their homes.

European Union members have agreed to cut gas use in case Russia halts supplies but some countries will have exemptions to avoid rationing. We hear more from our correspondent in Brussels.

The American basketball player Brittney Griner has made a court appearance in Moscow in a case on drug charges. We speak to two basketball players about her plight.

Sergei Lavrov, the Russian foreign minister, is in Uganda on the latest stop of his tour of Africa. Our reporter in Kampala tells us what he had to say in today's press conference.

(Photo: Wildfire rages on Quinta do Lago in Portugal, July 13, 2022, in this still image taken from video. Credit: Luis Ferreira via REUTERS/File Photo)

**TUE 18:00 BBC News (w172ykq59ymthth)**  
The latest five minute news bulletin from BBC World Service.

**TUE 18:06 Outlook (w3ct3532)**

[Repeat of broadcast at 12:06 today]

**TUE 18:50 Witness History (w3ct3c3j)**

[Repeat of broadcast at 08:50 today]

**TUE 19:00 BBC News (w172ykq59ymtmkm)**

The latest five minute news bulletin from BBC World Service.

**TUE 19:06 The Newsroom (w172yl7sqbzs60)**

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

**TUE 19:30 BBC News Summary (w172ykqzrp7hzv0)**

The latest two minute news summary from BBC World Service.

**TUE 19:32 Sport Today (w172ygfjrrf34jj)**

2022/07/26 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 (w172ykq59ymtr9r)**

The latest five minute news bulletin from BBC World Service.

**TUE 20:06 The Documentary (w3ct43cx)**

[Repeat of broadcast at 02:32 today]

**TUE 20:30 BBC News Summary (w172ykqzrp7j314)**

The latest two minute news summary from BBC World Service.

**TUE 20:32 Digital Planet (w3ct31yn)**

Grassroots data – holding the powerful to account

Open source investigators

We live in an age where there is data on almost everything, and a large chunk of it is publicly available. You only need to know where to look. There are many investigators on the internet that are gathering Open Source Intelligence, or OSINT for short, and conduct research and verification, much of it focussed on war zones. The most prominent collective in this field is the NGO Bellingcat, but there is a whole ecosystem of amateur sleuths online. Gareth speaks to Charlotte Godart who leads the volunteer programme at Bellingcat, on how they effectively crowdsourcing part of their investigations, and we hear from several hobbyists who rose to prominence on Twitter about why they spent much of their free time on this type of research.

Data tackling gun violence

Brazil has a gun violence issue, and a public data issue. In the Rio de Janeiro metropolitan area, there were, on average, 13 shootings every single day last year, and the only reason we know this is because of open data platform Fogo Cruzado. They collect data in real-time on shootings happening in Rio and other cities across Brazil via their app, social media, and public police reports, and they make that data publicly available for ordinary citizens, organisations, and journalists to use. The founder of Fogo Cruzado, Cecília Olliveira, explains how it all works, and how having data can help set the public agenda.

The blue map: environmentalist action in China

Only 10 years ago, Beijing was a city covered in smog with many residents opting to wear pollution masks. Now, the situation has, remarkably, improved, with blue skies being a normal sight. One possible reason for this drastic change is environmentalist Ma Jun, who, in 2006, started the blue map database aggregating government data and making it more easily accessible to the public. Since then, the blue map project has grown into an app that lets users check many types of environmental data and even contribute to the database themselves by simply taking a picture of a dirty river, a cloud of smog, or a factory that isn't following environmental guidelines. Gareth speaks to Ma Jun, founding director of China's Institute of Public & Environmental Affairs and founder of the Blue Map, about how this crowdsourcing approach works, and how environmental activism in China differs from Western countries.

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

Studio Manager: Michael Millham  
Producer: Florian Bohr

(Image: Crowd and data credit: Getty Images)

**TUE 21:00 BBC News (w172ykq59ymtw1w)**

The latest five minute news bulletin from BBC World Service.

**TUE 21:06 Newshour (w172yfc2f4dxf05)**

DRC deaths in anti-UN protests

The authorities in the Democratic Republic of Congo say at least a dozen people and three UN peacekeepers have been killed in demonstrations against United Nations peacekeepers in the east of the country. We hear from the acting head of the UN force in the DRC.

Also in the programme, the European Union agrees to cut gas consumption and reduce dependence on Russia gas this winter, we'll speak to the Czech government. And we'll hear from the widow of one of the democracy activists executed in Myanmar.

(Photo: Protesters confronting Congolese police in Goma, in eastern DR Congo. Source: Reuters)

**TUE 22:00 BBC News (w172ykq59ymtzt0)**

The latest five minute news bulletin from BBC World Service.

**TUE 22:06 People Fixing The World (w3ct3j2n)**

[Repeat of broadcast at 08:06 today]

**TUE 22:30 BBC News Summary (w172ykqzrp7jc2d)**

The latest two minute news summary from BBC World Service.

**TUE 22:32 In the Studio (w3ct3jj6)**

[Repeat of broadcast at 04:32 today]

**TUE 23:00 BBC News (w172ykq59ymv3k4)**

The latest five minute news bulletin from BBC World Service.

**TUE 23:06 The Newsroom (w172yrxwvwbk3lq)**

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

**TUE 23:20 Sports News (w172ygh5n6mh6lf)**

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

**TUE 23:30 BBC News Summary (w172ykqzrp7jgtj)**

The latest two minute news summary from BBC World Service.

**TUE 23:32 World Business Report (w172yk8slnt7j42)**

IMF issues warning over global economy

As more countries are rocked by worsening debt and supply shocks, economists are increasingly concerned about the effects of war and the pandemic on global stability. To discuss the International Monetary Fund's latest forecast, we are joined by Liliana Rojas Suarez from the Centre for Global Development.

It's been a big week for tech earnings, with some surprising results. Brian Dorst from New Jersey-based Themis Trading gives us the latest analysis.

Russia has pledged to withdraw from the International Space Station. But do they mean it? Space commerce expert Keith Cowing has some reservations.

Also on the programme, Ticketmaster has defended a new system which has seen some fans pay more than five thousand dollars for Bruce Springsteen tickets. Former Billboard editorial director Bill Werd explains why this could spell a bleak future for live music fans.

(Picture: International Monetary Fund (IMF) Chief Economist Pierre Olivier Gourinchas at his headquarters in Washington DC. Credit: Getty Images).

**WEDNESDAY 27 JULY 2022**

**WED 00:00 BBC News (w172ykq59ymv798)**

The latest five minute news bulletin from BBC World Service.

**WED 00:06 The Arts Hour (w3ct390d)**

[Repeat of broadcast at 20:06 on Saturday]

**WED 01:00 BBC News (w172ykq59ymvc1d)**

The latest five minute news bulletin from BBC World Service.

**WED 01:06 Business Matters (w172ydpgt18wcf9)**

A new warning for the world's economy

The International Monetary Fund gives a gloomy forecast for global growth as conflict, supply chain issues and the Covid

pandemic continue to impact on certainty. A former strategist, Liliana Rojas Suarez, explains what it could mean for development and recovery.

To discuss the IMF's warning and other issues, Business Matters is joined by Bloomberg's Enda Curran in Hong Kong, along with Kristina Hooper, Chief Global Market Strategist with Invesco in New York.

As more tech companies post disappointing earnings, we're joined by tech reporter Tom Giles to go through Google's results.

It's been a stunning journey for England's women in the 2022 Euro tournament. Author Sue Antiss tells us why women's sport still has a long way to go.

We also hear why Ticketmaster's new pricing strategy has put a bad taste in some Bruce Springsteen fan's mouths.

**WED 02:00 BBC News (w172ykq59ymvgsj)**

The latest five minute news bulletin from BBC World Service.

**WED 02:06 The Newsroom (w172yl7sqbzttdx)**

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

**WED 02:30 BBC News Summary (w172ykqzrp7jv1x)**

The latest two minute news summary from BBC World Service.

**WED 02:32 The Compass (w3ct42ld)**

The Reclaimers

The reclaimers: Into the valley

Travelling from Lusaka to the Gwembe Valley and then on to Kabwe, Kema Sikazwe hears from people living in communities where artefacts were taken.

In the shadow of the Kariba Dam, Kema meets people who were forced from their land when the valley was flooded who explain how promises made at the time have not been kept.

Finally, at the lead-mining site where the Broken Hill Skull was discovered in Kabwe 1921, Kema meets former workers who describe how their homes remain contaminated, more than 25 years on, the UN estimates they are among 300,000 people living on toxic ground.

Producer: Andy Jones and Will Sadler  
A Radio Film production for BBC World Service

(Photo: Kema Sikazwe stands next to the Broken Hill man skull. Credit: Radio Film)

**WED 03:00 BBC News (w172ykq59ymv1jn)**

The latest five minute news bulletin from BBC World Service.

**WED 03:06 Outlook (w3ct3532)**

[Repeat of broadcast at 12:06 on Tuesday]

**WED 03:50 Witness History (w3ct3c3j)**

[Repeat of broadcast at 08:50 on Tuesday]

**WED 04:00 BBC News (w172ykq59ymvq8s)**

The latest five minute news bulletin from BBC World Service.

**WED 04:06 The Newsroom (w172yl7sqbzbv1x5)**

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

**WED 04:30 BBC News Summary (w172ykqzrp7k2k5)**

The latest two minute news summary from BBC World Service.

**WED 04:32 On the Podium (w3ct4215)**

Anna Kiesenhofer: Alone against the odds

The non-pro Austrian cyclist who beat the best, without the support of a single teammate. When Anna Kiesenhofer lined up for the women's road race, few thought she was a contender. But her belief paid off and she became the first Austrian to win gold at a Summer Games for 17 years.

**WED 05:00 BBC News (w172ykq59ymvv0x)**

The latest five minute news bulletin from BBC World Service.

**WED 05:06 Newsday (w172yf8m2ylwgp)**

Russian energy giant Gazprom due to cut quantity of gas

flowing to western Europe

The Russian energy giant Gazprom is due to sharply cut the quantity of gas flowing to western Europe. European Union nations have agreed to reduce their energy consumption. We'll ask if Europe is facing an energy crisis.

Fuel imports are also a major issue for Sri Lanka, which is suffering an ongoing economic and political crisis. Trades unions have called for strikes today amid unhappiness over the new elected president Ranil Wickremesinghe.

Reports from the United States say that former president Donald Trump is being investigated by the Department of Justice for efforts to overturn the election results from 2020.

**WED 06:00 BBC News (w172ykq59ymvys1)**  
The latest five minute news bulletin from BBC World Service.

**WED 06:06 Newsday (w172yf8m2ylwifg)**  
Russia drastically cuts gas supplies to Europe

Russia drastically cuts gas supplies to Europe. We'll look at the wider ramifications for the continent as it struggles to wean itself off Russian gas.

More protests expected in Sri Lanka as trade unions call for mass strikes defying the new President's state of emergency.

We report from southern Afghanistan where Taliban rule is facing fierce resistance.

**WED 07:00 BBC News (w172ykq59ymw2j5)**  
The latest five minute news bulletin from BBC World Service.

**WED 07:06 Newsday (w172yf8m2ylwq5l)**  
Nord Stream 1 pipeline to cut gas supplies to western Europe

Energy giant Gazprom says it will be reducing the amount of gas it sends to the west. The Nord Stream 1 pipeline is a vital link that brings Russian gas to heat homes and power businesses in western Europe.

The investigation into events leading to the storming of the US Capitol building on 6 Jan last year continue, the latest reports say that the US Department of Justice is now looking at President Trump's role in events.

Also in the programme, we have a report about orphanages in Ukraine.

**WED 08:00 BBC News (w172ykq59ymw689)**  
The latest five minute news bulletin from BBC World Service.

**WED 08:06 HARDtalk (w3ct32r5)**  
Fatih Birol: Could short-term panic derail the clean energy transition?

Stephen Sackur speaks to Fatih Birol, executive director of the International Energy Agency, and an influential advocate of the global transition from fossil fuels to clean energy. Has that green transition been hampered or hastened by the Ukraine war and Europe's deepening energy crisis?

**WED 08:30 BBC News Summary (w172ykqzrp7kkjp)**  
The latest two minute news summary from BBC World Service.

**WED 08:32 Business Daily (w3ct31c0)**  
Women, sport and business: Making NBA history

As part of our mini-series on women, sport and business we meet Cynt Marshall. She's the chief executive officer of the Dallas Mavericks and the first black female CEO in the history of the National Basketball Association, a professional basketball league in North America.

Cynt tells us about her background, where she found the drive to forge an enormously successful career and how she's changed the toxic and very male workplace culture she found when she arrived at the Mavericks.

Presenter: Rahul Tandon  
Production: Helen Thomas and Carmel O'Grady  
Image: Cynt Marshall; Credit: Getty

**WED 08:50 Witness History (w3ct3c5s)**  
Inventing nicotine patches

By the 1990s, nicotine patches became commercially available all over the world but their origins go back to the early 1980s,

when Dr Daniel Rose suggested to his brother Professor Jed Rose, to look into creating a nicotine patch. The idea turned into an invention with the help of Murray Jarvik. Professor Rose tells his story to Ashley Byrne. A Made in Manchester production for BBC World Service.

(Photo: image of a nicotine patch on a man's chest. Credit: Getty Images)

**WED 09:00 BBC News (w172ykq59ymwb0f)**  
The latest five minute news bulletin from BBC World Service.

**WED 09:06 The Compass (w3ct42ld)**  
[Repeat of broadcast at 02:32 today]

**WED 09:30 BBC News Summary (w172ykqzrp7kp8t)**  
The latest two minute news summary from BBC World Service.

**WED 09:32 Digital Planet (w3ct31yn)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 10:00 BBC News (w172ykq59ymwfrk)**  
The latest five minute news bulletin from BBC World Service.

**WED 10:06 The Documentary (w3ct43bs)**  
[Repeat of broadcast at 12:06 on Saturday]

**WED 11:00 BBC News (w172ykq59ymwkhp)**  
The latest five minute news bulletin from BBC World Service.

**WED 11:06 The Newsroom (w172yl7sqbvx42)**  
The world's Newsroom brings you global events as they happen

**WED 11:30 BBC News Summary (w172ykqzrp7kxs2)**  
The latest two minute news summary from BBC World Service.

**WED 11:32 On the Podium (w3ct42l5)**  
[Repeat of broadcast at 04:32 today]

**WED 12:00 BBC News (w172ykq59ymwp7t)**  
The latest five minute news bulletin from BBC World Service.

**WED 12:06 Outlook (w3ct3y8n)**  
A poet in a Burundi war zone, part 1

Content Warning: This episode contains graphic descriptions of violence

JP Bimeni risked his life to save a book of his verse. He started composing poetry to impress a girl, but was soon writing to address the ethnic tensions which threatened to tear his country apart. When violence did break out he dodged machete-wielding mobs to make it to safety. The mission to rescue his poetry almost cost him everything.

Presenter: Jo Fidgein  
Producer: Louise Morris

Photo: JP Bimeni Credit: Gabi Tineo

**WED 12:50 Witness History (w3ct3c5s)**  
[Repeat of broadcast at 08:50 today]

**WED 13:00 BBC News (w172ykq59ymwszy)**  
The latest five minute news bulletin from BBC World Service.

**WED 13:06 The Newsroom (w172yl7sqbzw4mb)**  
The world's Newsroom brings you global events as they happen

**WED 13:30 BBC News Summary (w172ykqzrp7l58b)**  
The latest two minute news summary from BBC World Service.

**WED 13:32 Digital Planet (w3ct31yn)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 14:00 BBC News (w172ykq59ymwxr2)**  
The latest five minute news bulletin from BBC World Service.

**WED 14:06 Newshour (w172yfc2f4dggpc)**  
Turkey opens grain HQ

Turkey has opened a headquarters that will oversee exports of Ukrainian grain under a UN-backed deal designed to ease the international food crisis caused by Russia's invasion. We hear from president Erdogan's senior advisor.

Also in the programme: Somerton man mystery solved; and we hear from the opposition fighting the Taliban.

(Picture: Opening ceremony of the Joint Coordination Centre of grain export, Istanbul, Turkey. Credit ERDEM SAHIN/EPA-EFE/REX/Shutterstock)

**WED 15:00 BBC News (w172ykq59ymx1h6)**  
The latest five minute news bulletin from BBC World Service.

**WED 15:06 HARDtalk (w3ct32r5)**  
[Repeat of broadcast at 08:06 today]

**WED 15:30 BBC News Summary (w172ykqzrp7ldrl)**  
The latest two minute news summary from BBC World Service.

**WED 15:32 World Business Report (w172yk9m1ddzrhf)**  
Interest rates: US Fed expected to rise

With inflation in the US at a 40-year-high, we speak to a former member of the Federal Reserve Board of Governors, Randy Kroszner, for his insight into what options the Fed has and how it might come to its decision on raising interest rates.

In Nigeria, lecturers have been on strike for months over pay and conditions, and other unions are now protesting in solidarity. The BBC's Bisi Adebayo explains what's led to the protest and speaks to a lecturer involved and a student there.

And pricing for concerts is in the news again: Adele shows are reselling for as much as \$40,000 dollars a ticket, while 'dynamic pricing' is seeing Bruce Springsteen tickets as high as \$5,000. Rosalind Hunter, partner at strategy and marketing consultants Simon-Kucher and Partners, explains the mechanisms driving the ticket-selling market.

(WASHINGTON, DC - JULY 26: Cars drive past the Marriner S. Eccles Federal Reserve building on July 26, 2022 in Washington, DC. Credit: Getty Images)

**WED 16:00 BBC News (w172ykq59ymx57b)**  
The latest five minute news bulletin from BBC World Service.

**WED 16:06 BBC OS (w172yg1n6fzbkld)**  
Disability in Ukraine: BBC footage reveals abuse

BBC News has gained access to institutions in Ukraine where widespread abuse and mistreatment of disabled people has been uncovered. We speak to our colleagues who have worked on the investigation.

Gas prices have soared after Russia further cut gas supplies to Germany and other European countries. We hear from people in Germany about how prices are affecting them.

Ukrainian rocket strikes have forced Russia to close a key bridge connecting the occupied city of Kherson. One of our colleagues, Joe Inwood, who has just returned from Ukraine, answers some audience questions about covering the conflict.

Our reporter who has travelled to Argentina talks about the people struggling to make ends meet in the country where inflation is rising at an alarming rate.

(Photo: 18-year old Vasyi is kept tied to a bench at the institution he lives in. Credit: BBC)

**WED 17:00 BBC News (w172ykq59ymx8zg)**  
The latest five minute news bulletin from BBC World Service.

**WED 17:06 BBC OS (w172yg1n6fzbpbj)**  
Gas prices soar as Russia cuts supply

Gas prices have soared after Russia further cut gas supplies to Germany and other central European countries. We speak to Germans about the impact.

Nigeria's army says it's found two more of the female students abducted from their school in the town of Chibok more than eight years ago. We speak to our correspondent in the capital Abuja.

Ukrainian rocket strikes have forced Russia to close a key bridge connecting the occupied city of Kherson. One of our colleagues, Joe Inwood, who has just returned from Ukraine, answers some audience questions about covering the conflict.

BBC News has gained access to institutions in Ukraine where widespread abuse and mistreatment of disabled people has been uncovered. We speak to our colleagues who have worked on the investigation.

An Indian male actor Ranveer Singh has been photographed entirely in nude. We've been connecting with people across the country to get a sense of where they stand on the controversy.

(Photo: Berlin based gas and steam turbine combined heat and power plant, Germany - 10 Jul 2022. Credit: Photo by FILIP SINGER/EPA-EFE/REX/Shutterstock)

**WED 18:00 BBC News (w172ykq59ymxdql)**

The latest five minute news bulletin from BBC World Service.

**WED 18:06 Outlook (w3ct3y8n)**

[Repeat of broadcast at 12:06 today]

**WED 18:50 Witness History (w3ct3c5s)**

[Repeat of broadcast at 08:50 today]

**WED 19:00 BBC News (w172ykq59ymxjgq)**

The latest five minute news bulletin from BBC World Service.

**WED 19:06 The Newsroom (w172yl7sqbzww33)**

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

**WED 19:30 BBC News Summary (w172ykqzrp7lwr3)**

The latest two minute news summary from BBC World Service.

**WED 19:32 Sport Today (w172ygfjrrf61fm)**

2022/07/27 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 (w172ykq59ymxn6v)**

The latest five minute news bulletin from BBC World Service.

**WED 20:06 The Compass (w3ct42ld)**

[Repeat of broadcast at 02:32 today]

**WED 20:30 BBC News Summary (w172ykqzrp7m0h7)**

The latest two minute news summary from BBC World Service.

**WED 20:32 Health Check (w3ct32wp)**

Pure kindness

What can the latest research tell us about whether there is any such thing as pure kindness? Claudia Hammond meets a man who has done an exceptionally altruistic act for someone who was seriously ill. What prompts acts of kindness like this? Specialists from the fields of psychology and neuroscience unpick the evidence.

Producer: Geraldine Fitzgerald

**WED 21:00 BBC News (w172ykq59ymxryz)**

The latest five minute news bulletin from BBC World Service.

**WED 21:06 Newshour (w172yfc2f4f09x8)**

The children fleeing Haiti's gang violence

Hundreds of Haitian children flee gang violence in Port Au Prince, we speak to a French nun; The UN warns that the Covid pandemic has made the battle against HIV/AIDS more difficult; and a special report from a region of Afghanistan where forces loyal to the former government are mounting an insurgency against the Taliban.

(Photo: A girl who fled the violence in Cite Soleil; Credit: EPA/EFE/REX/Shutterstock)

**WED 22:00 BBC News (w172ykq59ymxwq3)**

The latest five minute news bulletin from BBC World Service.

**WED 22:06 HARDtalk (w3ct32r5)**

[Repeat of broadcast at 08:06 today]

**WED 22:30 BBC News Summary (w172ykqzrp7m7zh)**

The latest two minute news summary from BBC World Service.

**WED 22:32 On the Podium (w3ct42l5)**

[Repeat of broadcast at 04:32 today]

**WED 23:00 BBC News (w172ykq59ymy0g7)**

The latest five minute news bulletin from BBC World Service.

**WED 23:06 The Newsroom (w172yrwxvbn0ht)**

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

**WED 23:20 Sports News (w172ygh5n6ml3hj)**

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

**WED 23:30 BBC News Summary (w172ykqzrp7mcqm)**

The latest two minute news summary from BBC World Service.

**WED 23:32 World Business Report (w172ykbhf40q0wr)**

Fed doubles down on interest rate hikes

For the second month running, the US Federal Reserve has upped its interest rate. America's central bank has increased the cost of borrowing by 0.75% - the latest in a series of aggressive policy decisions against rising prices. Business owners across the country, from hospitality to farming, tell us how it will affect them.

Elsewhere, Instagram has drawn criticism after bosses said it would move away from photos in favour of video content. Should they #MakeInstagramInstagramAgain?

(Picture: Fed chairman Jerome Powell announces the rates hike in Washington, DC. Credit: Drew Angerer, Getty Images).

**THURSDAY 28 JULY 2022**

**THU 00:00 BBC News (w172ykq59ymy46c)**

The latest five minute news bulletin from BBC World Service.

**THU 00:06 The Documentary (w3ct43bs)**

[Repeat of broadcast at 12:06 on Saturday]

**THU 01:00 BBC News (w172ykq59ymy7yh)**

The latest five minute news bulletin from BBC World Service.

**THU 01:06 Business Matters (w172ydpgt18z8bd)**

US businesses feel pinch as rates rise

The US Federal Reserve has pushed interest rates up once again. It's the latest move in an effort to curb soaring prices, but some analysts believe it's too late to act. We speak to two businesses - Oregon bakery owner Irina Sirotkina and Virginia store owner Kevin Hubbard - about the effect it will have on them.

We also visit Bangladesh, the latest southern Asian country to ask the IMF for a bailout. Wahid Choudhury runs a software business there, and explains why there's a real sense of fear surrounding the economy.

To discuss the issues of the day, Business Matters is also joined by two guests on the other side of the world: Paddy Hirsh, contributing editor at NPR in the US; and Moneeza Butt from KPMG in Karachi.

(Picture: Traders on the floor of the New York Stock Exchange react to the Fed's latest decision. Credit: Getty Images).

**THU 02:00 BBC News (w172ykq59ymycpm)**

The latest five minute news bulletin from BBC World Service.

**THU 02:06 The Newsroom (w172yl7sqbzxb0b)**

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

**THU 02:30 BBC News Summary (w172ykqzrp7mqz0)**

The latest two minute news summary from BBC World Service.

**THU 02:32 Assignment (w3ct303w)**

The Return of the Tigers

Tigers are making a remarkable comeback in Nepal. The small Himalayan nation is on track to become the first country to double its wild tiger population in the last decade. A new census

will be released on International Tiger Day (29th of July). The recovery is the result of tough anti-poaching measures that have involved the military and the local community. Other iconic species including rhinos and elephant populations have also increased. But this has come at a cost, there has been an increase in tiger attacks on humans. Rebecca Henschke travels to Bardia national park, to find out what's behind the conservation success and what it means for the community living with the Tigers.

(Photo Credit: Deepak Rajbanshi)

Presented by Rebecca Henschke  
Produced by Kevin Kim and Rajan Parajuli, with the BBC Nepali team  
Studio mix by Neil Churchill  
Production coordinators Gemma Ashman and Iona Hammond  
Editor Penny Murphy

**THU 03:00 BBC News (w172ykq59ymyhrf)**

The latest five minute news bulletin from BBC World Service.

**THU 03:06 Outlook (w3ct3y8n)**

[Repeat of broadcast at 12:06 on Wednesday]

**THU 03:50 Witness History (w3ct3c5s)**

[Repeat of broadcast at 08:50 on Wednesday]

**THU 04:00 BBC News (w172ykq59ymym5w)**

The latest five minute news bulletin from BBC World Service.

**THU 04:06 The Newsroom (w172yl7sqbzxyt8)**

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

**THU 04:30 BBC News Summary (w172ykqzrp7mzg8)**

The latest two minute news summary from BBC World Service.

**THU 04:32 The Food Chain (w3ct38n4)**

Fuelling a female footballer

Good quality nutrition is key to sporting success. But while plenty of research exists on the impact of nutrition on performance, most of it has been done on male athletes. That's despite female athletes now making up nearly 50% of participants in professional sport.

In the case of female footballers, research shows they could be consuming only half the carbohydrates they need. Not eating enough - or under-fuelling - as it's known in footballing circles - is thought to be endemic in the women's game. Experts believe much of that is down to a lack of available information.

As the Women's Euros 2022 tournament raises the profile of women's football around the world, Ruth Alexander explores what it takes to fuel a female footballer and how focusing on the particular nutritional needs of sportswomen could make a huge difference to performance. She speaks to professional footballer, Ode Folutudilu, a forward for the South Africa women's national team, Aimee O'Keefe, performance nutritionist at Manchester United Women, Dr José Areta, lecturer in sports nutrition at Liverpool John Moore's University in the UK, and Abbie Smith-Ryan, exercise physiologist and sports nutrition researcher at the University of North Carolina in the US.

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

(Picture: Two women playing football in an arena. Credit: Getty Images/BBC)

Producer: Elisabeth Mahy

The deadline for nominations for the award referenced at the end of this podcast has been extended to 23:00 GMT on Thursday 18th August 2022.

\*Page updated 28 July 2022 due to entry window extension.

**THU 05:00 BBC News (w172ykq59ymyqy0)**

The latest five minute news bulletin from BBC World Service.

**THU 05:06 Newsday (w172yf8m2ylzclf)**

Sri Lanka extends crackdown on anti-government protesters

In Sri Lanka, a crackdown on anti-government protesters has widened, a state of emergency has been extended until mid-August and two protest organisers have been detained.

Four cases of coronavirus have led to a lockdown in China's central city of Wuhan, the place where Covid was first

recorded before the global outbreak.

Meanwhile a United Nations report says the Covid-19 pandemic has made the fight against HIV and AIDS more difficult.

**THU 06:00 BBC News (w172ykq59ymvyp4)**

The latest five minute news bulletin from BBC World Service.

**THU 06:06 Newsday (w172yf8m2ylzhhk)**

Troops amass occupied regions in Kherson

Russia prepares for a fresh assault in Ukraine with reports that troops are massing some of the occupied regions.

United States House of Representatives Speaker Nancy Pelosi's Taiwan trip looms large as US-China leaders prepare for talks.

We take a look at the aftermath following the spread of oak fires in California in the United States. We hear from a local family there whose lives have been affected by the most recent blaze.

**THU 07:00 BBC News (w172ykq59ymzf8)**

The latest five minute news bulletin from BBC World Service.

**THU 07:06 Newsday (w172yf8m2ylzm2p)**

Over one million people in Wuhan district in lockdown

A district of the Chinese central city of Wuhan, which has a population of over one million people, the place where coronavirus was first recorded, has been put under lockdown, after the detection of a four Covid cases.

We take a look at the effects of Russia's decision to drastically cut the supply of gas to European countries.

US president Joe Biden and Chinese president Xi Jinping prepare to meet amid plans by the US House of Representatives Speaker Nancy Pelosi to visit Taiwan.

**THU 08:00 BBC News (w172ykq59ymz35d)**

The latest five minute news bulletin from BBC World Service.

**THU 08:06 The Inquiry (w3ct3918)**

Why did Tunisia turn its back on democracy?

Tunisian President Kais Saied has drafted a new constitution for Tunisia that gives him new sweeping powers, including authority over the judiciary and immunity for life from prosecution.

Tunisia was a beacon of hope for democracy after the Arab Spring. The country rid itself of dictator Ben Ali after 24 years of rule and moved to a more democratic system.

Now the country seems to be sliding back towards the one man rule that it has known for generations.

This week on The Inquiry we are asking why Tunisia has turned its back on democracy.

Presenter: Tanya Beckett

Producer: Louise Clarke-Rowbotham

Researchers: Anoushka Mutanda-Dougherty and Christopher Blake

Technical Producer: Richard Hannaford

Editor: Tara McDermott

(Tunisian presidential Kais Saied in Tunis. BBC Images)

**THU 08:30 BBC News Summary (w172ykqzrp7ngfs)**

The latest two minute news summary from BBC World Service.

**THU 08:32 Business Daily (w3ct311Z)**

The women breaking into skateboarding in South Africa

Skateboarding is one of the fastest growing sports in the world; it was included for the first time in the 2020 Tokyo Olympic Games in Japan. It's becoming increasingly popular among women and girls, but it does come with a price tag.

Hannah Mullane speaks to Boipelo Awuah, one of only two female African athletes to qualify to compete in skateboarding at the Tokyo Olympics. Wendy Gila, the head of the South African Roller Sports Association, gives us her insight into how much it costs to make a sport like skateboarding accessible to everyone.

Mark Sedgwick meets Thato Moet, Founder of IslandGals, a girls only skate group in Johannesburg. She gives her

perspective on what it's like to be a female skater in South Africa. We'll also hear from Pieter Retief, who helps to build skateparks all over the world and explains how they help to bring together communities.

Presenter and producer: Hannah Mullane  
Reporter and producer: Mark Sedgwick

Image: Girls skating in Soweto; Credit: BBC

**THU 08:50 Witness History (w3ct3c18)**

The Tangshan Earthquake

On 28 July 1976, one of the deadliest earthquakes in modern history hit the city of Tangshan in north-eastern China - killing hundreds of thousands of people. Lucy Burns spoke to eye-witness Yu Suyun in 2016.

(Photo: A building in Tangshan after the earthquake. Credit: National Oceanic and Atmospheric Administration)

**THU 09:00 BBC News (w172ykq59ymz6xj)**

The latest five minute news bulletin from BBC World Service.

**THU 09:06 Assignment (w3ct303w)**

[Repeat of broadcast at 02:32 today]

**THU 09:30 BBC News Summary (w172ykqzrp7nl5x)**

The latest two minute news summary from BBC World Service.

**THU 09:32 Health Check (w3ct32wp)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 10:00 BBC News (w172ykq59ymzbnm)**

The latest five minute news bulletin from BBC World Service.

**THU 10:06 The Forum (w3ct38sn)**

Eleonora Duse: The first great modern actress

Eleonora Duse was an actress ahead of her time. As a performer in the late 19th century when elaborate gestures, exotic costumes and lavish decors were the norm, Eleonora Duse stunned audiences with her truthfulness and intense absorption in the characters she played. She wore no make-up, you could see her blush or turn pale, she was a master of subtle body language and vocal modulation, and her aim was to eliminate the self and become her characters. Today she is often credited with having inspired modern acting, and the Russian theatre director Stanislavsky saw her as the perfect actress, and was greatly influenced by her when he created his acting method. Born in 1858 in what is now northern Italy, Eleonora Duse started acting at the age of four years old with her family's touring theatre troupe. By her twenties, working as both a theatre manager and a performer, she began to achieve worldwide popularity, travelling all over the world, from South America to Russia to Egypt. She was soon acknowledged as one of the greatest actresses of her generation and her independent lifestyle turned her into an early feminist icon. So what was the secret of her genius and why is she largely forgotten today? And with no recordings of her voice, how do we know she was such a great performer?

Joining Bridget Kendall is Dr Anna Sica, Professor of Theatre at the University of Palermo in Italy, author of The Murray Edwards Duse Collection, and D'Amore e D'Arte, the letters written to Duse from her Russian lover Alexander Wolkoff, soon to be published in English. Professor Paul Fryer, the co-editor of an essay collection on Eleonora Duse and Ceneri (Ceneri is the Italian word for Ashes, the title of the silent film Duse made in 1916, and the only record of Duse actually performing). Paul Fryer also directs the Stanislavsky research centre at the University of Leeds. And Dr Enza de Francisci, lecturer in Translation studies at the University of Glasgow, who specialises in the critical reception of Duse's plays, and is the author of A 'New' Woman in Verga and Pirandello: From Page to Stage.

The reader is Cecilia Gragnani.

Produced by Anne Khazam for the BBC World Service.

(Photo: Eleonora Duse in "Lady of the Camelias" by Alexandre Dumas Fils. Credit: ullstein bild/ullstein bild via Getty Images)

**THU 10:50 Sporting Witness (w3ct36ft)**

The first Women's Euros

Between 1982 and 1984, UEFA held the first European Competition for Women's Football. 16 teams battled it out across Europe.

The final was between Sweden and England.

Rachel Naylor speaks to the Swedish captain Anette Börjesson.

(Photo: Anette Börjesson (left) shakes hands with England captain Carol Thomas before the second leg of the 1984 final in Luton. Credit: Empics/Peter Robinson)

**THU 11:00 BBC News (w172ykq59ymzgd5)**

The latest five minute news bulletin from BBC World Service.

**THU 11:06 The Newsroom (w172yl7sqbz15)**

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

**THU 11:30 BBC News Summary (w172ykqzrp7ntp5)**

The latest two minute news summary from BBC World Service.

**THU 11:32 The Food Chain (w3ct38n4)**

[Repeat of broadcast at 04:32 today]

**THU 12:00 BBC News (w172ykq59ymz14x)**

The latest five minute news bulletin from BBC World Service.

**THU 12:06 Outlook (w3ct34w9)**

A poet in a Burundi war zone, part 2

Content Warning: This episode contains graphic descriptions of violence

JP Bimeni's story continues... a writer turned soul singer, JP walked through a massacre unscathed as his country fell into conflict. A survivor of genocide aged just 16, he had a lot more living - and almost dying - to do. Now a successful performer, these experiences seep into his songs.

Margaret Keane, who died earlier this month, was the artist behind the popular Big Eyes paintings of the 1960s, but her husband Walter Keane bullied her into letting him take the credit for them. He made millions of dollars from them, until Margaret took him to court to prove they were her own. First broadcast in 2014.

Photo: JP Bimeni Credit: Gabi Tinoe

**THU 12:50 Witness History (w3ct3c18)**

[Repeat of broadcast at 08:50 today]

**THU 13:00 BBC News (w172ykq59ymzpx1)**

The latest five minute news bulletin from BBC World Service.

**THU 13:06 The Newsroom (w172yl7sqbz1j1f)**

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

**THU 13:30 BBC News Summary (w172ykqzrp7p25f)**

The latest two minute news summary from BBC World Service.

**THU 13:32 Health Check (w3ct32wp)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 14:00 BBC News (w172ykq59ymztn5)**

The latest five minute news bulletin from BBC World Service.

**THU 14:06 Newshour (w172yfc2f4f2clg)**

Ukraine steps up counter-offensive to retake Kherson

The Ukrainian campaign to retake the occupied Kherson region is "gathering pace", Western military sources say. A key bridge into the city of Kherson is now out of action after Ukrainian forces struck it with long-range rockets supplied by the US. UK defence officials say the city is now "virtually cut off from other occupied territories".

Also in the programme, US Democratic senator Joe Manchin has stunned Washington by announcing sudden support for President Joe Biden's bill to raise corporate taxes, fight climate change and lower medicine costs.

And as Birmingham welcomes around 6,500 athletes for the Commonwealth Games, we look at how much sustainability can be woven into the Games.

(Picture: Ukrainian soldiers inspect artillery at the frontline in Kherson in July. Picture credit: Getty Images)

**THU 15:00 BBC News (w172ykq59ymzyd9)**

The latest five minute news bulletin from BBC World Service.

**THU 15:06 The Inquiry (w3ct39t8)**  
[Repeat of broadcast at 08:06 today]

**THU 15:30 BBC News Summary (w172ykqzrp7p9np)**  
The latest two minute news summary from BBC World Service.

**THU 15:32 World Business Report (w172yk6b8h0bpc)**  
US economy shrinks for second quarter in a row

The latest data unofficially marks the start of a recession. Many other countries would class two quarters of decline as a recession, but the US uses different criteria. We get analysis from Sarah House, senior economist at one of America's biggest banks, Wells Fargo.

Diageo is one of the world's biggest drinks firms, and it published its latest results today. The company grew both sales and profits. We speak to CEO Ivan Menezes and ask how Diageo is beating the cost of living crunch.

Inflation in Turkey could reach an eye-watering 90% this autumn, according to the country's central bank. What does that mean for business owners, and what can they do? We get the views of Ozer Bener, who runs a manufacturing firm in Ankara, and Arev Sebechi, who runs a clothing firm.

And as the 22nd Commonwealth Games kick off tonight with the opening ceremony at Birmingham's Alexander Stadium, we get a sense of the atmosphere there from the BBC's Rob Mayor, who's at the festival site in the heart of the city centre in Victoria Square.

(Picture: Groceries at a supermarket till. Credit: Getty Images)

**THU 16:00 BBC News (w172ykq59yn024f)**  
The latest five minute news bulletin from BBC World Service.

**THU 16:06 BBC OS (w172yg1n6fzfgbh)**  
Haiti: Living amid the growing violence

We explain what's happening around Kherson in southern Ukraine and what it means for the war. It was one of the first major towns taken by Russia but Ukrainian troops are now pushing to take it back. We talk about the signs that point to Ukraine's army making progress and get our correspondent to answer your questions. We also hear from people who are from Kherson.

In Haiti's capital Port-au-Prince, gang violence has intensified in the past 24 hours, with the cathedral on fire, gunfire in the downtown area and major roads closed as a result. It is not yet known how many people were killed in the latest violence, but UN figures suggest more than 200 died between 8 and 17 July. We get a reporter to explain the latest and hear a conversation between Haitians about their lives at the moment.

And after Spain's government launched a campaign to encourage women of every body type to feel comfortable on the country's beaches, we'll hear some of the conversation in response.

(Photo: Police clear the street as demonstrators burned tires to protest ongoing fuel shortages even as Haiti's main fuel terminal renewed deliveries that had been suspended due to an outbreak of gang violence, in Port-au-Prince, Haiti July 14, 2022. Credit: Reuters/Ralph Tedy Erol)

**THU 17:00 BBC News (w172ykq59yn05wk)**  
The latest five minute news bulletin from BBC World Service.

**THU 17:06 BBC OS (w172yg1n6fzfl7m)**  
Ukrainian counter-offensive in Kherson

We explain what's happening around Kherson in southern Ukraine and what it means for the war. It was one of the first major towns taken by Russia but Ukrainian troops are now pushing to take it back. We talk about the signs that point to Ukraine's army making progress and get our correspondent to answer your questions. We also hear from people who are from Kherson.

And we go to the front line in eastern Ukraine as well, where our correspondent has been reporting on the impact of western-supplied weapons on the Ukrainian military response to the invasion.

In Haiti's capital Port-au-Prince, gang violence has intensified in the past 24 hours, with the cathedral on fire, gunfire in the downtown area and major roads closed as a result. It is not yet known how many people were killed in the latest violence, but

UN figures suggest more than 200 died between 8 and 17 July. We get a reporter to explain the latest and hear a conversation between Haitians about their lives at the moment.

Also, ahead of the opening ceremony of the Commonwealth Games later in the British city of Birmingham, we give you a quick guide to the Games and hear from a couple of people who are due to compete.

(Photo: A view shows burning residential house hit by a Russian air strike, as Russia's attack on Ukraine continues, in Donetsk region, in the town of Bakhmut, Donetsk region, Ukraine July 27, 2022. Credit: Press service of the National Police of Ukraine/Handout via Reuters)

**THU 18:00 BBC News (w172ykq59yn09mp)**  
The latest five minute news bulletin from BBC World Service.

**THU 18:06 Outlook (w3ct34w9)**  
[Repeat of broadcast at 12:06 today]

**THU 18:50 Witness History (w3ct3c18)**  
[Repeat of broadcast at 08:50 today]

**THU 19:00 BBC News (w172ykq59yn0fct)**  
The latest five minute news bulletin from BBC World Service.

**THU 19:06 The Newsroom (w172yl7sqbz06)**  
The world's Newsroom brings you global events as they happen

**THU 19:30 BBC News Summary (w172ykqzrp7psn6)**  
The latest two minute news summary from BBC World Service.

**THU 19:32 Sport Today (w172ygfjrrf8ybg)**  
2022/07/28 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 (w172ykq59yn0k3y)**  
The latest five minute news bulletin from BBC World Service.

**THU 20:06 Assignment (w3ct303w)**  
[Repeat of broadcast at 02:32 today]

**THU 20:30 BBC News Summary (w172ykqzrp7pxdb)**  
The latest two minute news summary from BBC World Service.

**THU 20:32 Science In Action (w3ct3699)**  
The first galaxies at the universe's dawn

In the last week, teams of astronomers have rushed to report ever deeper views of the universe thanks to the James Webb Space Telescope. These are galaxies of stars more than 13.5 billion light years from us and we see them as they were when the universe was in its infancy, less than 300 million years after the Big Bang. As University of Texas astronomer Steve Finkelstein tell us, there are some real surprises in these glimpses of the cosmic dawn. The super-distant galaxy that Steve's group has identified is named after his daughter Maisie.

Also in the programme: a 550 million year old fossil which is much the oldest representative of a large group of animals still with us today. The early jellyfish relative lived at a time known as the Ediacaran period when all other known complex organisms were weird, alien-looking lifeforms with no surviving descendants. Roland Pease talks palaeontologist Frankie Dunn at the University of Oxford who's led the study of Auroralumina attenboroughii.

Did the cultural invention of romantic kissing five thousand years ago lead to the spread of today's dominant strain of the cold sore virus (Herpes simplex 1) across Europe and Asia? That's the hypothesis of a team of virologists and ancient DNA experts who've been studying viral DNA remnants extracted from four very old teeth. Cambridge University's Charlotte Houldcroft explains the reasoning.

Image: Maisie's Galaxy aka CEERSJ141946.35-525632.8.  
Credit: CEERS Collaboration

Presenter: Roland Pease  
Producer: Andrew Luck-Baker

**THU 21:00 BBC News (w172ykq59yn0nw2)**  
The latest five minute news bulletin from BBC World Service.

**THU 21:06 Newshour (w172yfc2f4f36tc)**  
US economy shrinks again sparking recession fears

The US economy has shrunk for the second quarter in a row, fuelling fears of a recession ahead of key midterm elections. Former chief economist at the IMF Ken Rogoff tells Newshour it is a question of when, not if, the US enters a recession.

Also in the programme, growing tensions between the US and China over a planned visit to Taiwan by the US House Speaker Nancy Pelosi. Plus, is the first major city that fell to Russia about to return to Ukrainian hands? Western security officials say Ukraine's counter-offensive is gathering pace - we speak to one of the residents in the city of Kherson.

(Photo: a person pays for fruit with dollars. Credit: Getty Images.)

**THU 22:00 BBC News (w172ykq59yn0sm6)**  
The latest five minute news bulletin from BBC World Service.

**THU 22:06 The Inquiry (w3ct39t8)**  
[Repeat of broadcast at 08:06 today]

**THU 22:30 BBC News Summary (w172ykqzrp7q4w1)**  
The latest two minute news summary from BBC World Service.

**THU 22:32 The Food Chain (w3ct38n4)**  
[Repeat of broadcast at 04:32 today]

**THU 23:00 BBC News (w172ykq59yn0xch)**  
The latest five minute news bulletin from BBC World Service.

**THU 23:06 The Newsroom (w172yrwxvbwqxdx)**  
The world's Newsroom brings you global events as they happen

**THU 23:20 Sports News (w172ygh5n6mp0dm)**  
BBC Sport brings you all the latest stories and results from around the world.

**THU 23:30 BBC News Summary (w172ykqzrp7q8mq)**  
The latest two minute news summary from BBC World Service.

**THU 23:32 World Business Report (w172yk74q6m1q2p)**  
US Government to pass \$433 Billion economic package

American senator Joe Manchin has reached a deal with democratic leaders on a spending package which aims to lower health-care costs, combat climate change and reduce the federal deficit.

In the DR Congo, licensing rights for thirty oil and gas blocks have gone up for auction, opening parts of the world's second-biggest rainforest to drilling that could release large amounts of carbon into the atmosphere.

And the Commonwealth Games officially opens in the English city of Birmingham amidst pump and pageantry.

(Joe Manchin says he now backs the bill to raise corporate taxes. Image credit: Reuters)

## FRIDAY 29 JULY 2022

**FRI 00:00 BBC News (w172ykq59yn113g)**  
The latest five minute news bulletin from BBC World Service.

**FRI 00:06 The Forum (w3ct38sn)**  
[Repeat of broadcast at 10:06 on Thursday]

**FRI 00:50 Sporting Witness (w3ct36ft)**  
[Repeat of broadcast at 10:50 on Thursday]

**FRI 01:00 BBC News (w172ykq59yn14vl)**  
The latest five minute news bulletin from BBC World Service.

**FRI 01:06 Business Matters (w172ydpgt19257th)**  
US Government is a step closer to passing a \$433 Billion economic package

American senator Joe Manchin who has proved a political thorn in the White House's side has stunned Washington by announcing sudden support for President Joe Biden's agenda to raise corporate taxes, fight climate change and lower medicine

costs.

We look at the Chinese government's intervention in the country's floundering property sector, as it promises to support near-bankrupt developers so they can finish building homes they've already sold.

And as over 6,000 athletes from 72 nations converge in Birmingham for the Commonwealth games, we ask if the almost one billion dollar cost price is worth it.

(Passage of the bill would be a major victory for President Biden. Image Credit: Getty)

**FRI 02:00 BBC News (w172ykq59yn18lq)**  
The latest five minute news bulletin from BBC World Service.

**FRI 02:06 The Newsroom (w172yl7sqc00m73)**  
The world's Newsroom brings you global events as they happen

**FRI 02:30 BBC News Summary (w172ykqzrp7qmw3)**  
The latest two minute news summary from BBC World Service.

**FRI 02:32 World Football (w3ct3hq)**  
Heather O'Reilly comes out of retirement and Euro 2022 final preview

World Cup winner, three-time Olympic gold medallist and World Football co-host Heather O'Reilly tells us how she's coming out of retirement in order to play in the UEFA Women's Champions League for the Irish side, Shelbourne.

With Germany facing England in the final of Euro 2022 at Wembley, Line Roddick Hansen tells us what it is like to play against the host nation in the final of a major tournament. She was part of the Denmark squad, who were beaten 4-2 in the final of Euro 2017 by the Netherlands.

And – former Sweden goalkeeper Caroline Jonsson, who is now a board member at the global players' union FIFPRO, tells us about the legacy that could follow from Euro 2022.

Heather O'Reilly #17 of the North Carolina Courage celebrates winning the NWSL Shield during a game between Sky Blue FC and North Carolina Courage at WakeMed Soccer Park on October 12, 2019 in Cary, North Carolina. (Photo by Brad Smith/ISI Photos/Getty Images).

**FRI 03:00 BBC News (w172ykq59yn1dbv)**  
The latest five minute news bulletin from BBC World Service.

**FRI 03:06 Outlook (w3ct34w9)**  
[Repeat of broadcast at 12:06 on Thursday]

**FRI 03:50 Witness History (w3ct3c18)**  
[Repeat of broadcast at 08:50 on Thursday]

**FRI 04:00 BBC News (w172ykq59yn1j2z)**  
The latest five minute news bulletin from BBC World Service.

**FRI 04:06 The Newsroom (w172yl7sqc00vqc)**  
The world's Newsroom brings you global events as they happen

**FRI 04:30 BBC News Summary (w172ykqzrp7qwc)**  
The latest two minute news summary from BBC World Service.

**FRI 04:32 Heart and Soul (w3ct423k)**  
The Deadly Sacrifice at Hawkes Bay

In February 1983, a group of 42 Shia devotees left a quiet village in the Chakwal district of Pakistan and embarked on an epic journey to Karbala in Iraq. This was no ordinary pilgrimage but had been ordained by Mahdi, the last spiritual leader or Imam of Shia faith. His instructions were communicated to the faithful in miraculous messages channeled through an 18 year old woman.

The caravan left in two trucks on the 1300 kilometre journey to the port city of Karachi where they were to cross the Arabian Sea for Iraq. What happened next is a story of extreme sacrifice in the name of the Shia Islamic faith and would result in the deaths of 18 men, women and children.

In this programme reporter Shumaila Jaffery returns to their village before she travels to Hawkes Bay to discover what really happened on that moonlit night four decades ago. She tracks

down survivors to explore if what the sacrifice of the devoted may tell us about Shia Islam today, asks; 'could something like this ever happen again?'

**FRI 05:00 BBC News (w172ykq59yn1mv3)**  
The latest five minute news bulletin from BBC World Service.

**FRI 05:06 Newsday (w172yf8m2ym28hj)**  
Live news, business and sport from around the world.

**FRI 06:00 BBC News (w172ykq59yn1rl7)**  
The latest five minute news bulletin from BBC World Service.

**FRI 06:06 Newsday (w172yf8m2ym2d7n)**  
Live news, business and sport from around the world.

**FRI 07:00 BBC News (w172ykq59yn1wbc)**  
The latest five minute news bulletin from BBC World Service.

**FRI 07:06 Newsday (w172yf8m2ym2hzs)**  
Live news, business and sport from around the world.

**FRI 08:00 BBC News (w172ykq59yn202h)**  
The latest five minute news bulletin from BBC World Service.

**FRI 08:06 HARDtalk (w3ct32g4)**  
Julius Malema: Is South Africa on the brink of chaos?

Stephen Sackur speaks to South Africa's controversial populist politician Julius Malema, leader of the Economic Freedom Fighters. Allegations of political corruption, power cuts and mass unemployment are pushing South Africa to the brink of chaos. Could one of Africa's richest nations be consumed by insurrectionist violence?

**FRI 08:30 BBC News Summary (w172ykqzrp7rcbw)**  
The latest two minute news summary from BBC World Service.

**FRI 08:32 Business Daily (w3ct30ry)**  
G'day and g'bye: it's the end for Neighbours

After 37 years, the longest-running drama in Australian TV history is coming to an end.

We ask why the Neighbours funding model ultimately failed.

We speak to Rob Mills, who played the notorious villain Finn Kelly, about his efforts for the show to be rescued. We also look at how the series launched so many careers both on and off the screen.

And we go behind the scenes of the Neighbours set and speak to super-fans taking one last trip down their favourite fictional street.

Presenter: Vivienne Nunis  
Producer: Izzy Greenfield

(Photo: Ramsey St, the fictional street where the programme is set. Credit: Fairfax Media/Getty Images)

**FRI 08:50 Witness History (w3ct3bwr)**  
The Leaflet Bomber

In 1971, young communist Bob Newland left the UK and headed to South Africa to take part in a secret mission to support the African National Congress. Known as one of the London Recruits, he took gunpowder from the UK to make bombs that would scatter leaflets on the streets containing information that a post Apartheid South Africa was possible. Bob has been speaking to Alex Collins.

**FRI 09:00 BBC News (w172ykq59yn23tm)**  
The latest five minute news bulletin from BBC World Service.

**FRI 09:06 Tech Tent (w3ct375d)**  
The battle over encrypted messaging

The head of WhatsApp signals the firm will resist efforts to weaken its encryption, as the UK and EU look to enact legislation that could compel firms to scan messages.

**FRI 09:30 BBC News Summary (w172ykqzrp7rh30)**  
The latest two minute news summary from BBC World Service.

**FRI 09:32 Science In Action (w3ct3699)**  
[Repeat of broadcast at 20:32 on Thursday]

**FRI 10:00 BBC News (w172ykq59yn27kr)**  
The latest five minute news bulletin from BBC World Service.

**FRI 10:06 The Real Story (w3ct33p6)**  
Bolsonaro v Lula: The race to lead Brazil

Brazilian President Jair Bolsonaro this week officially launched his campaign for a second term in office. The election in October will likely come down to a race between the right-wing populist leader and his main left-wing rival Luiz Inácio Lula da Silva. Lula has been president before but was barred from running in 2018 due to corruption convictions that have since been overturned by the courts. The incumbent is behind in the polls as the country is buffeted by global economic headwinds exacerbated by the Covid pandemic, which saw Brazil experience one of the highest rates of deaths in the world. So, which issues will decide the election and what impact will the result have on Brazil and the world?

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

**FRI 11:00 BBC News (w172ykq59yn2e9w)**  
The latest five minute news bulletin from BBC World Service.

**FRI 11:06 The Newsroom (w172yl7sqc01py8)**  
The world's Newsroom brings you global events as they happen

**FRI 11:30 BBC News Summary (w172ykqzrp7rql8)**  
The latest two minute news summary from BBC World Service.

**FRI 11:32 World Football (w3ct3hq)**  
[Repeat of broadcast at 02:32 today]

**FRI 12:00 BBC News (w172ykq59yn2h20)**  
The latest five minute news bulletin from BBC World Service.

**FRI 12:06 The Fifth Floor (w3ct37zh)**  
Iran's recent crackdown

Women in Iran have been sharing videos of themselves taking off their hijabs in public in protest at the growing pressure regarding the mandatory headscarf. Meanwhile the Iranian parliament may soon approve a bill which will severely restrict pet ownership. Taraneh Stone of BBC Persian and Ali Hamedani discuss why the government seems to be enforcing stricter rules.

Reporting Sri Lanka  
Sri Lanka has experienced months of turmoil with mass protests over the island's economic crisis, leading to the flight of President Gotabaya Rajapaksa earlier this month. His successor Ranil Wickremesinghe has imposed a state of emergency until mid-August. It's been one dramatic development after another for BBC Sinhala's Colombo-based reporters Ranga Sirilal and Shirly Upul Kumara.

A Nigerian world record  
This week Nigerian hurdler Tobi Amusan broke the world record in the women's 100m hurdles, and won the first ever gold medal for Nigeria at the World Athletics Championships. BBC Africa's Peter Okwoche tells us more about her, and what the win means to Nigerians.

Drama Queen  
Drama Queen is a ground-breaking podcast series presented in Hindi and Urdu by the BBC's Samrah Fatima. It tells the stories of men and women who are accused of being 'drama queens' if they speak out about their struggles. Samrah explains why she wanted to tackle the deeply rooted social issues that are common to both India and Pakistan, and show how people have been able to forge new paths for themselves.

(Photo: A woman in Islamic dress walks past a shop window. Credit: Morteza Nikoubazi/ NurPhoto via Getty Images)

**FRI 12:50 Witness History (w3ct3bwr)**  
[Repeat of broadcast at 08:50 today]

**FRI 13:00 BBC News (w172ykq59yn2lt4)**  
The latest five minute news bulletin from BBC World Service.

**FRI 13:06 The Newsroom (w172yl7sqc01yjf)**  
The world's Newsroom brings you global events as they happen

**FRI 13:30 BBC News Summary (w172ykqzrp7rz2j)**

The latest two minute news summary from BBC World Service.

**FRI 13:32 Science In Action (w3ct3699)**

[Repeat of broadcast at 20:32 on Thursday]

**FRI 14:00 BBC News (w172ykq59yn2qk8)**

The latest five minute news bulletin from BBC World Service.

**FRI 14:06 Newshour (w172yfc2f4f58hk)**

First grain ship due to leave Ukraine after Russia deal

President Volodymyr Zelensky has made an unannounced appearance at a Black Sea port ahead of the departure of the first ship loaded with grain since the war began five months ago.

Also in the programme: as the US and China trade warnings over Taiwan we'll hear from the island about how tensions can be lowered; and palaeontologists are celebrating the discovery of a remarkable new Jurassic fossil site in the west of England.

(Photo: A handout photo made available by the Ukrainian Presidential Press Service shows Ukrainian President Volodymyr Zelensky and G7 countries' ambassadors visit to the port of Odesa, Ukraine, 29 July 2022. Ukraine was ready to export Ukrainian grain and waiting for signals from partners about the start of transportation, Zelensky said on his official Telegram account. A centre to oversee the Ukrainian grain export was opened in Istanbul on 27 July following a deal between Russian and Ukraine to export Ukrainian grain from besieged ports through the Black Sea. Credit: EPA/Ukrainian Presidential Press Service)

**FRI 15:00 BBC News (w172ykq59yn2v9d)**

The latest five minute news bulletin from BBC World Service.

**FRI 15:06 HARDtalk (w3ct32g4)**

[Repeat of broadcast at 08:06 today]

**FRI 15:30 BBC News Summary (w172ykqzrp7s6ks)**

The latest two minute news summary from BBC World Service.

**FRI 15:32 World Business Report (w172yk31hklp3w9)**

First grain cargo due to leave Ukraine since war began

A ship carrying grain is due to leave Odessa port in Ukraine - the first since the start of the war with Russia. It follows a deal struck between the two countries last week, ending the Russian blockade of the port. We speak to Taras Vysotsky, Ukraine's deputy minister of agriculture, who was at the port with President Zelensky and a gathering of western ambassadors. And Chris McGill, underwriter at Ascot Syndicate at Lloyds of London, tells us how easy it is to insure ships coming out of Ukrainian ports.

Food inflation in Sri Lanka has reached 90%. The BBC's Sajid Nazmi is in the capital Colombo and tells us what prices are like.

In Ghana, drought and mine damage are having a devastating effect on cocoa crops. The cocoa harvest is predicted to fall to its lowest level in 12 years. We speak to Jeffery Ntorinkansah of the Commodities Brokers Association.

And we hear how the American bullfrog is causing huge damage to the global economy. Their numbers are increasingly difficult to control, causing widespread crop devastation and destroying natural vegetation.

(Picture: Ukrainian minister of infrastructure Oleksandr Kubrakov at Odessa Port. Credit: Getty Images)

**FRI 16:00 BBC News (w172ykq59yn2z1j)**

The latest five minute news bulletin from BBC World Service.

**FRI 16:06 BBC OS (w172yg1n6fzjcdl)**

Russia says Ukrainian prisoners killed in blast

Ukraine and Russia have blamed each other for a rocket strike that's reported to have killed dozens of Ukrainian prisoners of war in the occupied east. We get the latest from our reporter and also discuss comments by the UK defence Secretary who argues that Russia has been crippled by huge military losses in Ukraine.

We continue to hear from people across the world affected by the extreme heatwaves and wildfires, and today we bring you a conversation with three "wildland" firefighters in America. They are specialist firefighters who travel across the country to

battle the largest and the most dangerous wildfires.

In a case involving two England footballers' wives, Rebekah Vardy has won her High Court libel case against Coleen Rooney. Our reporter explains.

After the Spanish government caused a stir online with a campaign intended to encourage women of all body types to go to the beach, we speak to a British model who says her image was used in the campaign without her permission.

(Photo: Fragments of U.S.-made HIMARS rockets, according to the Russian defence ministry, are shown after the shelling at a pre-trial detention center in the course of Ukraine-Russia conflict, in the settlement of Olenivka in the Donetsk Region, Ukraine July 29, 2022. Credit: Alexander Ermochenko/Reuters)

**FRI 17:00 BBC News (w172ykq59yn32sn)**

The latest five minute news bulletin from BBC World Service.

**FRI 17:06 BBC OS (w172yg1n6fzjh4q)**

US wildland firefighters

We bring together three specialist wildland firefighters to share what it's like to do one of the most dangerous jobs in the world. They travel across the country to battle the largest and the most dangerous wildfires. They discuss the impact of climate change, the rewards and the strains of the profession.

We get the latest on the attacks against UN bases in the east of the Democratic Republic of Congo. Demonstrators have accused UN peacekeepers of failing to protect civilians from armed groups.

Britain's defence secretary says Russia has been crippled by huge military losses in Ukraine. We get more from our correspondent on the ground.

Washington DC's mayor has asked for National Guard troops to be activated to help process undocumented migrants arriving on buses in the district. We speak to one of the arrivals in the capital.

(Photo: Whitney Lindsay and her colleagues. Credit: Whitney Lindsay)

**FRI 18:00 BBC News (w172ykq59yn36js)**

The latest five minute news bulletin from BBC World Service.

**FRI 18:06 The Fifth Floor (w3ct37zh)**

[Repeat of broadcast at 12:06 today]

**FRI 18:50 Witness History (w3ct3bwr)**

[Repeat of broadcast at 08:50 today]

**FRI 19:00 BBC News (w172ykq59yn3b8x)**

The latest five minute news bulletin from BBC World Service.

**FRI 19:06 The Newsroom (w172yl7sqc02nx9)**

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

**FRI 19:30 BBC News Summary (w172ykqzrp7spk9)**

The latest two minute news summary from BBC World Service.

**FRI 19:32 Sport Today (w172ygfjrfcv7t)**

2022/07/29 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 (w172ykq59yn3g11)**

The latest five minute news bulletin from BBC World Service.

**FRI 20:06 Tech Tent (w3ct375d)**

[Repeat of broadcast at 09:06 today]

**FRI 20:30 BBC News Summary (w172ykqzrp7st9f)**

The latest two minute news summary from BBC World Service.

**FRI 20:32 CrowdScience (w3ct1pq5)**

If a tree falls in a forest... does it make a sound?

If a tree falls in a forest, and no-one is there to hear it, does it make a sound? This is an age-old debate that listener Richard and his family have been arguing about for years. Can

CrowdScience settle it once and for all?

Caroline Steel speaks to experts in hearing, biology, philosophy, physics and sound design, which takes her to some unexpected places.

Professor Stefan Bleek is an expert in psychoacoustics who says that sounds only exist in our heads.

Dr Eleanor Knox and Dr Bryan Roberts are philosophers that make her question if anything exists outside our own perception. Professor Lilach Hadany wonders if it's limited to humans and animals - could other plants hear the falling tree too?

And Mat Eric Hart is a sound designer who says that sound is subjective - it's always tangled up with our own interpretations.

Things get truly weird as we delve into the strange implications of quantum physics. If there is such a thing as reality, doesn't it change when we're there to observe it? Does the tree even fall if we aren't there?

Presented by Caroline Steel

Produced by Anand Jagatia for the BBC World Service

Image: Fallen Tree. Credit: Getty Images

**FRI 21:00 BBC News (w172ykq59yn3ks5)**

The latest five minute news bulletin from BBC World Service.

**FRI 21:06 Newshour (w172yfc2f4f63qg)**

Blame game over occupied east Ukraine rocket strike

Ukraine and Russia have blamed each other for a rocket strike that's reported to have killed dozens of Ukrainian prisoners of war in the occupied east.

Ukraine says the prison was targeted by Russia in an effort to destroy evidence of torture and killing. For its part, Russia said the prison camp in Olenivka was hit by Ukrainian precision rockets.

Also in the programme: We'll hear from the US state of Kentucky where flash floods have killed at least 15 people and the governor says the toll is likely to be much higher; and why Haiti's government is seemingly powerless to curb the gang violence in the capital that has claimed hundreds of lives.

(Photo shows blurred bodies of detainees among debris following shelling at a pre-trial detention centre in Olenivka, Donetsk Region, Ukraine on 29 July 2022. Credit: Alexander Ermochenko/Reuters)

**FRI 22:00 BBC News (w172ykq59yn3p9j)**

The latest five minute news bulletin from BBC World Service.

**FRI 22:06 HARDtalk (w3ct32g4)**

[Repeat of broadcast at 08:06 today]

**FRI 22:30 BBC News Summary (w172ykqzrp7t1sp)**

The latest two minute news summary from BBC World Service.

**FRI 22:32 World Football (w3ct3hq)**

[Repeat of broadcast at 02:32 today]

**FRI 23:00 BBC News (w172ykq59yn3t8f)**

The latest five minute news bulletin from BBC World Service.

**FRI 23:06 The Newsroom (w172yrwxxvbtb0)**

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

**FRI 23:20 Sports News (w172ygh5n6mrx9q)**

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

**FRI 23:30 BBC News Summary (w172ykqzrp7t5jt)**

The latest two minute news summary from BBC World Service.

**FRI 23:32 World Business Report (w172yk3vy96dd8m)**

First broadcast 29/07/2022 22:32 GMT

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