

SATURDAY 29 JULY 2023

SAT 00:00 BBC News (w172z2qxsr5w1b)

The latest five minute news bulletin from BBC World Service.

SAT 00:06 The Real Story (w3ct4q6z)

How close are we to ending Alzheimer's?

A new drug, Donanemab, has been hailed as a turning point in the fight against Alzheimer's after a global trial confirms it slows cognitive decline.

One trial was shown to have "significantly slowed" the progression of the disease—by 35%.

Earlier this year, Lecanemab, the first drug to slow the destruction of the brain in Alzheimer's, received regulatory approval in America. Lecanemab was shown to slow the rate of cognitive decline by 27% in an 18 month study involving participants in the early stages of Alzheimer's.

Although not a cure, charities say the results in the journal JAMA mark a new era where Alzheimer's can be treated. The drug works in Alzheimer's disease, not in other types of dementia, such as vascular dementia.

But the new drugs are not risk-free treatments. Brain swelling was a common side-effect in up to a third of patients in the Donanemab trial.

The World Health Organisation forecasts more than 150m people around the world will be living with dementia by 2050. Until recently, we've been told that there are currently no approaches that have been proven to prevent Alzheimer's disease and related dementias.

But are we beginning to see a future where we can make dementia a chronic condition, one you live with and die with but don't die from? Are we inching closer towards a treatment for dementia? Can we ultimately prevent or cure the disease? In the battle against dementia, is the end in sight?

Shaun Ley is joined by:

Reisa Sperling - Professor of Neurology at Harvard Medical School and Director of the Center for Alzheimer's Research and Treatment at Brigham and Women's Hospital.

Dr Sandeep Jauhar - cardiologist and the author of "My Father's Brain", a memoir of his relationship with his father as he succumbed to dementia.

Sir John Hardy - Professor of Neurodegenerative Disease at University College London.

Also featuring:

Paola Barbarino - chief executive of Alzheimer's Disease International.

(Photo: Caregiver Nadia Chebil (L) helps Alzheimer's patient Jean-Marie (R) at "Les Papillons de Marcelle" house, in Arles, southeastern France, on May 9, 2023. Credit: Clement Mahoudeau/AFP via Getty Images)

SAT 01:00 BBC News (w172z2qxsr5zsg)

The latest five minute news bulletin from BBC World Service.

SAT 01:06 Business Matters (w172y2rn97dhj5s)

Argentina and the IMF reach agreement on a last minute loan

Argentina has reached a \$7.5bn agreement with the International Monetary Fund, as it tries to get its troubled economy back on track.

The South American nation has been in negotiations with the Fund for months over its \$44 billion loan program. That's the biggest outstanding deal that the IMF has with any country anywhere in the world.

(Picture: Close up of Argentine money, 200 pesos bills. Picture credit: Getty Images)

SAT 02:00 BBC News (w172z2qxsr63jl)

The latest five minute news bulletin from BBC World Service.

SAT 02:06 The Newsroom (w172z2tfl5qrf5s)

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

SAT 02:30 BBC News Summary (w172z2rr7nbwgsz)

The latest two minute news summary from BBC World Service.

SAT 02:32 Stumped (w3ct4tkm)

'Harmanpreet Kaur should be banned for 12 months'

Is the two-match ban given to India captain Harmanpreet Kaur by the International Cricket Council sufficient? Jim Maxwell doesn't think so. On this week's Stumped, Jim states that her behaviour following her dismissal in a One Day International against Bangladesh brought the game into disrepute and he advocates for a year-long ban in addition to her being stripped of the national team captaincy. Harmanpreet hit her own stumps with her bat after being dismissed and criticised the umpires in the post-match presentation.

Australia have retained the men's Ashes after rain decided the outcome of the fourth Test with England. Alison Mitchell, Charu Sharma and Jim discuss whether poor conditions are an inevitability that Test cricket has to put up with, or whether there's a way around it.

Plus, we meet England's youngest ever international cricketer. Leanne Davis left exam revision behind to make her debut in an ODI against South Africa in July 2000 as a 15 year old, but she only played once more for her country. 23 years on, she's living in Adelaide working in the non-profit sector, helping young people affected by cancer.

Image: Harmanpreet Kaur of India cuts a dejected figure following the ICC Women's T20 World Cup Semi Final match between Australia and India at Newlands Stadium on February 23, 2023 in Cape Town, South Africa. (Photo by Matthew Lewis-ICC/ICC via Getty Images)

SAT 03:00 BBC News (w172z2qxsr678q)

The latest five minute news bulletin from BBC World Service.

SAT 03:06 The Fifth Floor (w3ct4v07)

India shamed: Manipur women speak up

It's been two months since violence in Manipur broke out between the majority Meitei and minority Kuki communities. When a video emerged showing two women being sexually assaulted, Prime Minister Narendra Modi said it 'shamed' India. BBC Delhi's Divya Arya has covered women's affairs for many years, and explains how in Manipur, as in many other inter-community conflicts, women's bodies have become the battlefield.

Liang Shi - China's "No.1 Gaokao holdout"
China's Gaokao university entrance exam is notoriously tough, but one man claims to have sat it, and failed, 27 times. Fan Wang of BBC Chinese shares Mr Liang's story.

Nepalis joining the Russian army
A growing number of young Nepalese men have enlisted with the Russian army, tempted by offers of good pay and a fast track to citizenship. BBC Nepali's Swechhya Raut spoke to some of those who have signed up about their experiences.

Power cuts and water shortages in South Africa
South Africa has been experiencing regular electricity blackouts which in turn have affected water supplies, with some South Africans drilling boreholes on their properties. Pumza Fihlani from BBC Johannesburg explains the long history behind the crisis.

Syrian refugees in Turkey
Turkey is home to more than 3.3 million Syrians who fled because of war and insecurity. But there's growing pressure on them to go back, with many in the Turkish press and social media arguing that Syria is now safe. Nihan Kalle of BBC Monitoring reports on a popular Turkish travel vlogger whose videos from Syria reinforce this narrative.

(Photo: Women protest against sexual violence in India's north-eastern state of Manipur following inter-communal violence and sexual assault. Credit: AFP via Getty Images)

SAT 03:50 Witness History (w3ct4x7m)

Mr Bigg's: The birth of Nigeria's iconic takeaway

It's been 50 years since a popular Nigerian fast food chain which later became known as Mr Bigg's was first launched.

The restaurants began as coffee shops in department stores in the 1960s and were later rebranded in 1986.

Mr Bigg's currently has more than 170 locations in 40 cities around Nigeria, and there were also restaurants in other African nations at one time.

Justice Baidoo spoke to Emmanuel Osugo, one of the pioneers of the chain.

A Made in Manchester production for BBC World Service.

(Photo: A Mr Bigg's restaurant. Credit: Adebola Familusi)

SAT 04:00 BBC News (w172z2qxsr6c0v)

The latest five minute news bulletin from BBC World Service.

SAT 04:06 The Real Story (w3ct4q6z)

[Repeat of broadcast at 00:06 today]

SAT 05:00 BBC News (w172z2qxsr6grz)

The latest five minute news bulletin from BBC World Service.

SAT 05:06 The Newsroom (w172z2tfl5qrsf5)

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

SAT 05:30 BBC News Summary (w172z2rr7nbwv1c)

The latest two minute news summary from BBC World Service.

SAT 05:32 The Lazarus Heist (w3ct5m2v)

\$2.4 Big Boss

The North Korean hackers turn to the dark web and enlist an eager new recruit. "Big Boss" is key to the ATM heist - but who is he, and does he really know who he is working with?

#LazarusHeist

Listen online at bbcworldservice.com/lazarusheist

SAT 05:50 More or Less (w3ct5b6n)

Data, extreme weather and climate change

Recent global headlines have been dominated by record temperatures in parts of Europe, North America and Asia. As extreme weather events have happened for decades, how are links to climate change made?

In this programme we look at how scientists use data to draw climate conclusions and hear how that data isn't always available. We focus particularly on severe flooding earlier this year in part of Central Africa. With Joyce Kimutai, principal meteorologist and climate scientist at the Kenya Meteorological Department and researcher at the Grantham Institute for Climate Change, Imperial College.

Presenter: Kate Lamble
Producers: Nathan Gower, Jon Bithey
Editor: Simon Watts
Production Co-ordinator: Brenda Brown
Sound Engineer: Graham Puddifoot

(landslide destroyed homes in a remote mountainous area of South Kivu, Democratic Republic of Congo on May 9 2023. Credit: Djaffar Sabiti/BBC Images)

SAT 06:00 BBC News (w172z2qxsr6lj3)

The latest five minute news bulletin from BBC World Service.

SAT 06:06 Weekend (w172z37bdhh8trq)

Coup leader declares himself leader of Niger

US Secretary of State, Anthony Blinken, has spoken to the ousted leader of Niger by telephone, offering him "unflagging" support. The State Department said Mr Blinken told Niger's elected president, Mohamed Bazoum, that Washington would work to ensure a full return to constitutional order. Mr Bazoum has been confined to the presidential palace since Wednesday.

Also on the programme: Former US President Donald Trump tells supporters he's the only candidate who can win next year's election; and Israel passes part of a package of reforms that will limit the Supreme Court's powers.

Weekend's Julian Worricker is joined by Katia Glod, an analyst specialising in Russia and Central Europe at the European Leadership Network think-tank in London; and Sune Engel Rasmussen, a London-based correspondent for the Wall Street Journal newspaper.

(Picture: General Abdourahmane Tiani, who was declared as the new head of state of Niger by leaders of a coup, arrives to meet with ministers. CREDIT: REUTERS/Balima Boureima)

SAT 07:00 BBC News (w172z2qxsr6q87)

The latest five minute news bulletin from BBC World Service.

SAT 07:06 Weekend (w172z37bdhh8yiv)

General Tchiani declares himself the new leader of Niger

The United States has warned it could end military cooperation with Niger. The West African nation has been an important US ally in fighting Islamist extremism in the Sahel region but John Kirby, the White House National Security spokesman, said Washington still supported the deposed President, Mohamed Bazoum. Mr Bazoum has been confined to the presidential palace since Wednesday.

Also on the programme: Saudi Arabia's increasing role in the world of sport; and Israel passes part of a package of reforms that will limit the Supreme Court's powers.

Joining Julian Worricker to discuss all this and more are Katia Glod, an analyst specialising in Russia and Central Europe at the European Leadership Network think-tank in London; and Sune Engel Rasmussen, a London-based correspondent for the Wall Street Journal newspaper.

(Picture: General Abdourahmane Tiani, who was declared as the new head of state of Niger by leaders of a coup, arrives to meet with ministers. CREDIT: REUTERS/Balima Boureima)

SAT 08:00 BBC News (w172z2qxssr6v0c)

The latest five minute news bulletin from BBC World Service.

SAT 08:06 Weekend (w172z37bdhh927z)

Donald Trump insists he'll keep campaigning even if convicted

Donald Trump has told a gathering of Republicans that he's the only candidate who can win next year's election and he suggested this is the reason he faces a range of criminal and civil charges. Mr Trump was addressing a party fundraiser in Iowa, with other presidential hopefuls. Another contender was booed by the audience for saying the former president was only running for office again to stay out of prison.

Also on the programme: US Congress discusses UFOs; and the best gym exercises to lower blood pressure.

Joining Julian Worricker to discuss all this and more are Katia Glod, an analyst specialising in Russia and Central Europe at the European Leadership Network think-tank in London; and Sune Engel Rasmussen, a London-based correspondent for the Wall Street Journal newspaper.

(Picture: Former U.S. President and Republican presidential candidate Donald Trump. CREDIT: REUTERS/Scott Morgan)

SAT 09:00 BBC News (w172z2qxssr6yrrh)

The latest five minute news bulletin from BBC World Service.

SAT 09:06 BBC OS Conversations (w3ct5b22)

Women in sport

The Women's World Cup is underway and global attention is once again on women in sport.

Host James Reynolds brings together Preeti Singh, a national and international basketball player for India, lawyer and former England netball player Eboni Usoro-Brown and Jennifer Jones, one of Canada's most successful female curlers.

They compare notes on the progress in their respective professions. We also get into the challenges for a sports woman after having children. Jamaica footballer Cheyna Matthews is currently playing in the World Cup and adds her thoughts to the discussion.

"My children have made me a better soccer player because I don't complain as much when I'm on the pitch," says the mother of three. "They don't care if you have a million things going on. They don't care if you're sick. They have needs and those needs have to be met and so I adopted that same mentality on the field. I think that helps my mental toughness."

We also hear the view from the commentary box: three female journalists from Russia, Germany and Kenya discuss women's sports and overcoming professional challenges.

"I was never directly told that you can't do this," says Kenyan sports broadcaster Carol Radull. "But there were questions of 'what is she doing? What is a woman doing on air talking about sport?'" In fact, in Africa, I can't even say I have a female sports journalist role model because there was none before me."

(Photo: Vivian Bahlmann Credit: Vivian Bahlmann)

SAT 09:30 BBC News Summary (w172z2rr7nbxb0w)

The latest two minute news summary from BBC World Service.

SAT 09:32 Pick of the World (w3ct5b8x)

The man and his dog stranded at sea for two months

How Tim Shaddock and his dog Bella survived months alone in the Pacific Ocean. Plus, Philippine tears of joy at the Women's World Cup and why aren't we all ambidextrous?

SAT 09:50 Over to You (w3ct4rpk)

African footballers are up for top 10 nomination

What is it about three ex -footballers having a chat about the game that makes for a good podcast?

That's the question we'll be putting to the producer and one of the presenters of Match of the Day Africa: Top 10 - and to be fair we are talking three multiple trophy winning international footballers here!

Plus one listener has a bone or two to pick with the boss of World Service English after his interview on this programme last week.

Presenter: Rajan Datar

Producer: Howard Shannon

A Whistledown production for BBC World Service

SAT 10:00 BBC News (w172z2qxssr72hm)

The latest five minute news bulletin from BBC World Service.

SAT 10:06 Sportshour (w3ct4s9b)

The World Cup continues

As the Women's World Cup continues we look at the drama behind the French women's national football team have been through this past couple of years. We get a potted history of this unsettling period for 'Le Blues' from author Professor Lindsay Krasnoff

This week the UN said this month is on course to be the world's hottest on record... and whilst Southern Europe is suffering with wild fires, catastrophic flooding has affected other parts of the world most recently the US state of Vermont, tucked up high on the countries East Coast. Renowned for it's snow capped mountains, it has produced many a Winter Olympic star, including biathlete Susan Dunklee, who was just one of those who has been affected by the weather

Sami Jo Small has always taken on difficult challenges head on... She studied the traditionally male dominated field of mechanical engineering at Stanford University, made an appearance on cult Canadian sitcom 'Letterkenny' playing herself and was part of the first Canadian women's Ice hockey team to win gold at an Olympics, and it's difficult not to admire those achievements even when you consider the level of fortitude she needed to stand a chance of succeeding

Photo: Brazil and Panama in action at the Women's World Cup 2023 in Adelaide, Australia. (Credit: Sarah Reed/Getty Images)

SAT 11:00 BBC News (w172z2qxssr767r)

The latest five minute news bulletin from BBC World Service.

SAT 11:06 The Newsroom (w172z2f15qshwy)

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

SAT 11:30 BBC News Summary (w172z2rr7nbxkj4)

The latest two minute news summary from BBC World Service.

SAT 11:32 Health Check (w3ct4pd7)

Playing catch up on childhood immunisations

The World Health Organisation and UNICEF say global immunisation services reached 4 million more children in 2022 compared to the previous year, after a huge backslide during the Covid 19 pandemic. But the progress in countries like India and Indonesia masks continued decline in many lower income countries. Global health expert Tabitha Mwangi and Claudia Hammond discuss how immunisation numbers can bounce back.

They also look at new research from Sub-Saharan Africa that suggests as many as one in 10 teenagers might have high blood pressure, and what might be the most effective way of lowering it?

While you may be gripped by the action from the Women's football World Cup in Australia and New Zealand, Dr Kerry Peek is keeping a careful eye on the games for health reasons. She's one of a team of 'concussion spotters' deployed this year for the first time at the tournament. Claudia asks her why professional sports women are more at risk from head injuries than men.

And are you a perfectionist? Psychologist Dr Thom Curran says

striving to be perfect could put our mental health at risk.

Presenter: Claudia Hammond

Producers: Clare Salisbury and Dan Welsh

(Photo: A child gets administered the polio vaccine from a health worker in Kabul, Afghanistan, 15 May 2023. Credit: SAMIULLAH POPAL Samiullah Popal/EPA)

SAT 12:00 BBC News (w172z2qxssr79zw)

The latest five minute news bulletin from BBC World Service.

SAT 12:06 The Documentary (w3ct5j1y)

Women writing Zimbabwe

Look at any fiction prize recently and odds are that you will find a Zimbabwean woman nominated, be it Tsitsi Dangaremba, NoViolet Bulawayo or Petina Gappah. But forget the glitz of the Booker, what is the situation inside Zimbabwe? Reporter Tawanda Mudzonga takes us on a literary tour of Zimbabwe to find out why it has produced so many talented and renowned women writers.

Tawanda speaks to emerging authors like Siphiwe Gloria Ndlovu, Valerie Tagwira, Novuyo Rosa Tshuma and Sue Nyathi among others to explore what their writing can tell us about modern Zimbabwe, a country where false narratives proliferate, and public speech is often controlled. These are fearless women who write about violence, love, pain, and politics and try to tell the complicated story of the past and the present of a country which may only be four decades old, but whose people and history stretch far further.

Tawanda asks these authors what inspires them? What challenges do they face because they are women? And what risks do they run, writing about difficult subjects in a country where the political situation is ever more restrictive and freedom of speech increasingly under threat? And finally, she asks whether the conditions still exist to nurture a new generation of women writers in Zimbabwe?

Presenter: Tawanda Mudzonga

Producer: Fleur Macdonald

Executive producer: Melissa FitzGerald

A Zinc Audio production for the BBC World Service

(Photo: Reporter Twanda Mudzonga (bottom left) and the Harare Book Club. Credit: Fleur Macdonald)

SAT 13:00 BBC News (w172z2qxssr7fr0)

The latest five minute news bulletin from BBC World Service.

SAT 13:06 Newshour (w172z09jb7y42zf)

Niger coup: EU suspends financial and security co-operation

European Union diplomats said financial and security co-operation with Niger was suspended with immediate effect after its army took power in a coup. The decision comes as the African Union called for constitutional order to be restored in the country within 15 days.

Also in the programme: At least four people are feared dead after an Australian army helicopter crashed into the sea during multi-national military exercises; and we speak to Canada's environment minister after a meeting of G20 countries on climate change.

(Picture: Torched cars sit in front of the headquarters of the Nigerian Party for Democracy and Socialism, which was damaged during anti-government protests in Niamey. Credit: Issifou Djibo/EPA-EFE/REX/Shutterstock)

SAT 14:00 BBC News (w172z2qxssr7kh4)

The latest five minute news bulletin from BBC World Service.

SAT 14:06 Sportsworld (w172z1kv1ct7wgc)

Live Sporting Action

Sportsworld comes live from the Oval as it hosts the fifth and final Ashes Test, with England looking to level the series despite Australia retaining the urn with last week's draw at Old Trafford.

We'll reflect on the week's action at the Women's World Cup with reaction from Sweden against Italy, France versus Brazil and Panama's match against Jamaica.

We'll also be in Las Vegas ahead of the hotly anticipated fight between Errol Spence Jr. and Terence Crawford, as well as at the Netball World Cup in Cape Town and the Swimming World Championships in Fukuoka.

Plus, we'll have reaction to F1's spring race at the Belgian

Grand Prix and the third round of Golf's Evian Championship.

Photo: A general view during Day Two of the LV= Insurance Ashes 5th Test Match between England and Australia at The Kia Oval on July 28, 2023 in London, England. (Credit: Getty Images for Surrey CCC)

SAT 18:00 BBC News (w172z2qxxsr81gn)

The latest five minute news bulletin from BBC World Service.

SAT 18:06 The Newsroom (w172z2tfl5qtc3v)

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

SAT 18:30 BBC News Summary (w172z2rr7nbydr1)

The latest two minute news summary from BBC World Service.

SAT 18:32 The Lazarus Heist (w3ct5m2v)

[Repeat of broadcast at 05:32 today]

SAT 18:50 Sporting Witness (w3ct4sj3)

First women's Tour de France

To mark the final stages of this year's Tour de Femmes, Marianne Martin talks about winning the first official women's Tour De France in 1984. She rode the 1,080km course in 29 hours, 39 minutes, and two seconds over 18 days – a remarkable feat considering she'd had anaemia earlier in that year.

The 1984 men's champion Laurent Fignon won prizes valued at more than \$225,000. Marianne Martin was awarded a trophy and \$1,000.

This is a Made in Manchester production for BBC World Service is presented by Ashley Byrne.

(Photo: Marianne Martin with her team mates in Paris after winning the Tour de France in 1984. Credit: Graham Watson)

SAT 19:00 BBC News (w172z2qxxsr856s)

The latest five minute news bulletin from BBC World Service.

SAT 19:06 The Inquiry (w3ct4wd5)

Are weight loss drugs the answer to obesity?

In June 2023 the British government announced a £40 million pound pilot scheme to increase access to specialist weight management services in England -It reads "Using the latest drugs to support people to lose weight will be a game-changer."

The scheme will use prescription drugs like Wegovy and Ozempic, a once weekly injection that slows down the emptying of the stomach and suppresses the hunger hormone in our brains. Both these medications are made of the same of the same drug called Semaglutide.

Semaglutide mimics the hormone released by the body when we eat food, helping people feel fuller for longer and suppressing mental chatter about various food cravings. When prescribed alongside diet, physical exercise and behavioural support, the drug can help obese people lose 15% of their body weight.

Ozempic has been used to treat sufferers of type 2 diabetes since 2018 when doctors noticed that alongside increasing insulin the drug helped people lose weight. In 2021 the drug was approved as a fat loss injection under the name Wegovy.

Since then, stories of the 'fat loss wonder drug' have lit up social media, rumours are rife about who might be using it in Hollywood and international demand has skyrocketed.

But it's not meant for shedding a few pounds to fit into your favourite frock. So this week were asking are weight loss drugs the answer to obesity?

Contributors:

Dr Disha Narang Director of obesity medicine at Northwestern

Wake Forest Hospital

Adrian Van den Hoven Director General of Medicines for

Europe

Dr Jena Tronieri Director of Clinical Services at its Department

of Psychiatry's Center for Weight and Eating Disorders at the

Perelman School of Medicine

Josh Jordy CEO of Eracal Therapeutics a biotech company

based in Switzerland.

Presenter Charmaine Cozier

Producer Anoushka Mutanda-Dougherty

Editor Tara McDermott

Researched by Bisi Adebayo

Mixed by Cameron Ward

Production Co-ordinator Brenda Brown

(Overweight person on scales./Credit: Peter Dazely/Getty images)

SAT 19:30 BBC News Summary (w172z2rr7nbyjh5)

The latest two minute news summary from BBC World Service.

SAT 19:32 Outlook (w3ct4rb8)

The Nigerian farmer who sued an oil giant

It was a landmark court case against Shell over pollution, that many said could not be won. Eric Barizaa Dooh was working as his father's farm manager in 2004 when there was an oil leak on their land in the Niger Delta. The spill and resulting fire caused widespread damage to the environment and the farm. Eric, his father, and three other farmers from other villages launched a legal case against Shell in its home country of the Netherlands. It would take 13 years to find out the result.

This interview was first broadcast in April 2023.

Presenter: Jo Fidgen

Producer: Rob Wilson

(Photo: Eric Barizaa Dooh. Credit: Marten van Dijk/Milieudefense)

Get in touch: outlook@bbc.com

SAT 20:00 BBC News (w172z2qxxsr88yx)

The latest five minute news bulletin from BBC World Service.

SAT 20:06 The Arts Hour (w3ct4v19)

Actor Zoe Saldana on her work life balance

Nikki Bedi is joined in the studio by film critic Larushka Ivan-Zadeh.

Zoe Saldana talks about the intensive training for her role in Avatar and her new series Special Ops: Lioness.

Nikki Bedi speaks to singer Palak Muchhal about paying tribute to the legendary performer Lata Mangeshkar.

Film writer Adele Lim tells Nikki about her directorial debut, Joy Ride which follows four friends on an adventure through China.

And Stanley Tucci explains how his parents influenced his love of good food and the arts.

Presenter: Nikki Bedi

Producer: Mugabi Turya

(Photo: Zoe Saldana attends screening of Special Ops: Lioness. Credit: John Phillips/Getty Image)

SAT 21:00 BBC News (w172z2qxxsr8dq1)

The latest five minute news bulletin from BBC World Service.

SAT 21:06 Newshour (w172z09jb7y51yg)

France suspends aid to Niger following coup

Niger to lose all French development aid and budgetary support, following earlier moves by the EU to suspend financial and security cooperation. We hear about the likely impact on the local population from a security analyst in the Niger capital.

Also in the programme: the deepening political crisis in Peru; and promising news about tiger conservation across southern Asia.

(Photo: Shoppers in a street market in Niamey, Niger. Credit: ISSIFOU DJIBO/EPA-EFE/REX/Shutterstock)

SAT 22:00 BBC News (w172z2qxxsr8jg5)

The latest five minute news bulletin from BBC World Service.

SAT 22:06 Music Life (w3ct4mg2)

Secrets of African rhythms with Sampa the Great, Thandiswa Mazwai, Emmanuel Jagari Chanda and Mag44

Sampa the Great, Thandiswa Mazwai, Emmanuel Jagari Chanda and Mag44 discuss music standing the test of time, African music, and the new generation of musicians.

Sampa the Great was born in Ndola in Zambia and became interested in music from a young age, writing poems and singing from the age of 9, spending time in both Zambia and Botswana. She released her first mixtape in 2015 whilst at university in Australia, and created a sound influenced by everything from classic hip-hop to Zamrock. Her latest album,

As Above So Below, was released last September and came about after returning home to Zambia during the early days of the pandemic.

Thandiswa Mazwai is one of the most influential South African musicians around today. She has been at the forefront of change in South African music since the late 90s with her politically-conscious lyrics and stunning vocals, both as a solo artist and lead singer of ground-breaking trio Bongo Maffin.

Emmanuel Jagari Chanda is a founding member of the Zambian rock genre known as Zamrock, which blends rock with funk and African rhythms. He was the leader of the band Witch (We Intend to Cause Havoc) who were the first band to record a commercial record in Zambia in the 1970s.

Magnus Mando, AKA Mag44, is a rapper and music producer who has expanded Zambia's musical horizons. He started singing and rapping in church, before writing his own lyrics which gave birth to his career. He also co-produced Sampa the Great's latest LP.

SAT 23:00 BBC News (w172z2qxxsr8n69)

The latest five minute news bulletin from BBC World Service.

SAT 23:06 The Newsroom (w172z2sm4g44nf6)

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

SAT 23:20 Sports News (w172z1k0ln6lpmb)

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

SAT 23:30 BBC News Summary (w172z2rr7nbz0gp)

The latest two minute news summary from BBC World Service.

SAT 23:32 Tech Life (w3ct4tq4)

X marks the spot

Zoe Kleinman and Shiona McCallum talk about X, the new name for Twitter, as Elon Musk continues making changes at the firm. What will the rebrand mean and where does the platform go next? We also try the eye scanning 'orb' that's been created to verify crypto payments. And we're behind the scenes at CERN in Switzerland and talk to the creator of the AI League game that is accompanying the FIFA Women's World Cup

(Image: A worker begins removing the sign at Twitter HQ (Justin Sullivan / Getty)

SUNDAY 30 JULY 2023

SUN 00:00 BBC News (w172z2qxxsr8ryf)

The latest five minute news bulletin from BBC World Service.

SUN 00:06 BBC OS Conversations (w3ct5b22)

[Repeat of broadcast at 09:06 on Saturday]

SUN 00:30 BBC News Summary (w172z2rr7nbz46t)

The latest two minute news summary from BBC World Service.

SUN 00:32 The Lazarus Heist (w3ct5m2v)

[Repeat of broadcast at 05:32 on Saturday]

SUN 00:50 Sporting Witness (w3ct4sj3)

[Repeat of broadcast at 18:50 on Saturday]

SUN 01:00 BBC News (w172z2qxxsr8wpk)

The latest five minute news bulletin from BBC World Service.

SUN 01:06 Unexpected Elements (w3ct4wjr)

Password1234#Invisibility&Moonshot

As Netflix cracks down on password sharing around the world - something it once encouraged - we wondered why people like to share passwords to other things, such as phones, email accounts and logins.

Passwords and encryption exist as ways of protecting us from hostile agents in most aspects of life. But timing is everything. Nature has been doing it for years of course. But climate change is upsetting some of the ecological match-ups of locks and keys, migration and feeding that have evolved over the millennia. We hear how the shifting patterns of weather and food availability is affecting cuckoos in Europe and India.

Another aspect of natural subterfuge is camouflage. Whilst physicists have been trying to make optical invisibility cloaks from ingenious new "metamaterials", Marc Holderied and team have been looking at how certain moths have used metamaterial properties in the structure of their wings to effectively hide from bats. They are acoustically invisible. Could similar materials be manufactured to make, for example, sound-proof wallpaper?

Also, we hear how India's Chandrayaan-3 moon mission - due to land on 23 August this year - is exciting millions of people.

Presenter: Marnie Chesterton
Producer: Alex Mansfield, with Margaret Sessa-Hawkins, Ben Motley and Sophie Ormiston

SUN 02:00 BBC News (w172z2qxxsr90fp)

The latest five minute news bulletin from BBC World Service.

SUN 02:06 The Newsroom (w172z2tfl5qvb2w)

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

SUN 02:30 BBC News Summary (w172z2rr7nbnzcq2)

The latest two minute news summary from BBC World Service.

SUN 02:32 Health Check (w3ct4pd7)

[Repeat of broadcast at 11:32 on Saturday]

SUN 03:00 BBC News (w172z2qxxsr945t)

The latest five minute news bulletin from BBC World Service.

SUN 03:06 The Documentary (w3ct5j1y)

[Repeat of broadcast at 12:06 on Saturday]

SUN 04:00 BBC News (w172z2qxxsr97xy)

The latest five minute news bulletin from BBC World Service.

SUN 04:06 From Our Own Correspondent (w3ct4nt5)

Tunisia's democracy on the brink

Max Pearson introduces correspondent reports from Tunisia, Ukraine, the United States and Ghana.

Tunisia in North Africa was the birthplace of the Arab Spring, a wave of popular uprisings that shook or toppled authoritarian regimes in the region. But, after a decade of fragile democracy, in 2019 a new strongman, President Kais Saied, came to power. Since then parliament has been dissolved, many judges have been jailed, and there've been protests against his increasingly authoritarian rule. What's more, the economy is failing and the country's treatment of sub-Saharan African migrants has been growing harsher. And as Mike Thomson experienced on a recent trip, the media are being closely watched.

In Ukraine, a Russian missile attack last month on a popular pizza restaurant in the eastern city of Kramatorsk shocked a nation that has had to become used in the past year to the horrors of war. Thirteen people died in the attack, several of them children. Colin Freeman was in the restaurant shortly before the attack, and has been trying to come to terms with what happened.

In California, an official task force has recommended the payment of reparations to the descendants of enslaved Africans, for what they endured and for the effects of racial discrimination. It also proposed measures to redress other instances of discrimination and racial violence against black Californians; Chelsea Bailey met one family seeking justice 60 years after local authorities in Palm Springs burned down their family home.

And, could bats hold the clue to the next pandemic? In Ghana, scientists are studying these small mammals in a bid to understand how viruses can jump between species. Bats can carry thousands of viruses, including the deadly Ebola and Marburg viruses, without getting sick themselves. But with humans increasingly encroaching upon their habitats, Ghanaian scientists want to understand the risk to people and what any new threat might be. Naomi Grimley donned full protective gear and went to find out about their work.

Producer: Louise Hidalgo
Production Coordinator: Sabine Shereck
Editor: Bridget Harney

(Photo: Supporters of the Tunisian General Labour Union (UGTT) protest in Tunis. Credit: Reuters/Zoubair Souissi)

SUN 04:30 BBC News Summary (w172z2rr7nbnzm6b)

The latest two minute news summary from BBC World Service.

SUN 04:32 The Explanation (w3ct4z6t)

The EU

With its foundations in the ashes of World War II, the European Union was initially formed to avoid further wars and remove trade barriers. It grew from a six-nation club as the ECC in 1957, to today's 27 members that covers much of the continent and has evolved to tackle contemporary issues such as mass migration, a global pandemic and the war in Ukraine.

In recent years, it survived a wave of Euroscepticism that led to Britain leaving (Brexit), but other member states have looked to reform from within, preferring to stay part of the larger bloc during uncertain times.

Katya Adler, the BBC's Europe Editor, shares insights into the EU from its foundation to its contemporary challenges.

SUN 04:50 Sporting Witness (w3ct4s3j)

[Repeat of broadcast at 18:50 on Saturday]

SUN 05:00 BBC News (w172z2qxxsr9cp2)

The latest five minute news bulletin from BBC World Service.

SUN 05:06 The Newsroom (w172z2tfl5qvpb8)

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

SUN 05:30 BBC News Summary (w172z2rr7nbnzqyg)

The latest two minute news summary from BBC World Service.

SUN 05:32 The Documentary (w3ct5j1s)

Song of the bell

The world's most followed religion is changing rapidly. Hannah Ajala explores how church bells travelling from Italy to Nigeria herald Africa's new role as the beating heart of Christianity.

The Marinelli family in Italy have been making church bells for nearly 1,000 years. But in recent decades demand from Italy has fallen as faith dwindles, whilst orders from sub-Saharan Africa have grown dramatically.

Hannah Ajala follows the journey of the Marinelli bells to Nigeria where she interviews one of the country's most famous pastors, Dr Paul Enenche, about the rapid rise of Pentecostalism.

The bell's journey ends at a traditional catholic church in the south-west of the country where we hear why Christianity is growing so quickly in Africa.

Producer: Ben Henderson
Presenter: Hannah Ajala
Editor: Clare Fordham

SUN 06:00 BBC News (w172z2qxxsr9hf6)

The latest five minute news bulletin from BBC World Service.

SUN 06:06 Weekend (w172z37bdhhcqnt)

President Putin defends handling of dissent

President Putin has defended the Kremlin's crackdown on critics at a time of what he called armed conflict with a neighbour.

Criticism of Moscow's invasion of Ukraine is outlawed in Russia and numerous critics have been jailed. Putin said that to achieve success in the conflict with Ukraine, everybody must follow certain rules and not harm Russia from the inside.

During the wide-ranging press conference, he also said that he does not reject the idea of peace talks on Ukraine.

Also on the programme: West African leaders meet to discuss a coup in Niger; and the last newspaper in Europe still using a printing press.

Joining Julian Worricker to discuss all this and more are Agnes Callard, professor of philosophy at the University of Chicago; and the author and broadcaster John Kampfner.

(Picture: Russia's President Vladimir Putin speaks during a press conference. CREDIT: Sergei Bobilyov/TASS via Reuters)

SUN 07:00 BBC News (w172z2qxxsr9m5b)

The latest five minute news bulletin from BBC World Service.

SUN 07:06 Weekend (w172z37bdhhcvedy)

Growing international unease over Niger coup

The EU has suspended all security cooperation with Niger after the country's army took power in a coup. It comes shortly after the US declared its "unflagging support" for ousted president Mohamed Bazoum - seen as a key Western ally in the fight against Islamist militants. On Friday the head of the presidential guards unit Gen Abdourahmane Tchiani declared himself Niger's new leader.

Also on the programme: a new documentary about life in Venezuela; and new research into adult imagination.

Joining Julian Worricker to discuss all this and more are Agnes Callard, professor of philosophy at the University of Chicago; and the author and broadcaster John Kampfner.

(Picture: General Abdourahmane Tiani, who was declared as the new head of state of Niger by leaders of a coup, arrives to meet with ministers. CREDIT: REUTERS/Balima Boureima)

SUN 08:00 BBC News (w172z2qxxsr9qxs)

The latest five minute news bulletin from BBC World Service.

SUN 08:06 Weekend (w172z37bdhhcz52)

West African leaders meet to discuss Niger

Leaders of the West African regional bloc, ECOWAS, are meeting today in the Nigerian capital Abuja, to take a decision on the military coup in Niger. Mutinous soldiers are still holding President Mohamed Bazoum captive. On Saturday, France joined the European Union in suspending development and financial aid to Niger.

Also on the programme: the World Music Festival taking place in England; and we explore the origins of classic hit Nothing Compares 2 U.

Joining Julian Worricker to discuss all this and more are Agnes Callard, professor of philosophy at the University of Chicago; and the author and broadcaster John Kampfner.

(Picture: An aerial view of the streets in the capital Niamey, Niger. CREDIT: REUTERS/Souleymane Ag Anara)

SUN 09:00 BBC News (w172z2qxxsr9vnl)

The latest five minute news bulletin from BBC World Service.

SUN 09:06 From Our Own Correspondent (w3ct4nt5)

[Repeat of broadcast at 04:06 today]

SUN 09:30 BBC News Summary (w172z2rr7nc06xz)

The latest two minute news summary from BBC World Service.

SUN 09:32 Outlook (w3ct4rb8)

[Repeat of broadcast at 19:32 on Saturday]

SUN 10:00 BBC News (w172z2qxxsr9zdg)

The latest five minute news bulletin from BBC World Service.

SUN 10:06 Music Life (w3ct4mg2)

[Repeat of broadcast at 22:06 on Saturday]

SUN 11:00 BBC News (w172z2qxxsrb34v)

The latest five minute news bulletin from BBC World Service.

SUN 11:06 The Newsroom (w172z2tfl5qwdt1)

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

SUN 11:30 BBC News Summary (w172z2rr7nc0gt7)

The latest two minute news summary from BBC World Service.

SUN 11:32 The Explanation (w3ct4z6t)

[Repeat of broadcast at 04:32 today]

SUN 11:50 More or Less (w3ct5b6n)

[Repeat of broadcast at 05:50 on Saturday]

SUN 12:00 BBC News (w172z2qxxsrb6wz)

The latest five minute news bulletin from BBC World Service.

SUN 12:06 BBC OS Conversations (w3ct5b22)

[Repeat of broadcast at 09:06 on Saturday]

SUN 12:30 BBC News Summary (w172z2rr7nc0l5c)

The latest two minute news summary from BBC World Service.

SUN 12:32 Assignment (w3ct4mr79)
Botswana: Living with elephants

The battle to keep the peace between people and elephants in northern Botswana.
The earth's largest land mammal, the elephant, is an endangered species. Poaching, habitat loss and disease have decimated elephant populations. But not in Botswana, which has the world's biggest population of elephants. In the north of the country, in the area around the remarkable Okavango Delta (the world's largest inland delta), elephant numbers are growing and they outnumber people. This can pose serious problems for the human population, particularly local subsistence farmers. A crop raid by elephants can destroy a family's annual food supply overnight. Elephants also pose a risk to life in their daily commute between their feeding grounds and their water sources.

John Murphy travels to the top of the Okavango Delta, to see what efforts are being made to keep both people and elephants safe, and to persuade locals that these giant animals are an asset not a liability. He also explores threats from further afield to this green jewel in the desert, the Okavango Delta, which animals and people alike depend on.

Presenter: John Murphy
Producer: Charlotte Ashton
Studio Mix: Rod Farquhar
Editor: Penny Murphy

(Image: Elephant wading in Botswana's Okavango Delta. Credit: Brytta/Getty)

SUN 13:00 BBC News (w172z2qxsxrbbn3)
The latest five minute news bulletin from BBC World Service.

SUN 13:06 Newshour (w172z09jb7y6zwj)
Protests in Niger in support of the coup

Thousands of protesters have gathered outside the French embassy in Niamey, the capital of Niger, in support of the recent military coup. The leaders of the coup have warned the West African regional bloc ECOWAS against any possible military intervention. We have an interview with Niger's ambassador to the United States, Kiari Liman-Tinguiri.

Also on the programme: Russia has accused Ukraine of responsibility for the latest night time drone attack on Moscow. And the story behind the late Sinead O'Connor's song and what inspired Prince to write Nothing Compares to You.

(Photo: The junta says it took power because of the worsening security and economic situation. Credit: Getty Images).

SUN 14:00 BBC News (w172z2qxsxrbgd7)
The latest five minute news bulletin from BBC World Service.

SUN 14:06 Music Life (w3ct4mg2)
[Repeat of broadcast at 22:06 on Saturday]

SUN 15:00 BBC News (w172z2qxsxrbl4c)
The latest five minute news bulletin from BBC World Service.

SUN 15:06 Sportsworld (w172z1kv1ctbx3l)
Live Sporting Action

Sportsworld brings you the latest from the Women's World Cup in Australia and New Zealand, with Football Ferns striker Katie Rood joining Delyth Lloyd to discuss all the action.

We also look at how investment in the Saudi Pro League is changing the football landscape and, with a month left of the transfer window, we examine which European clubs might be looking to strengthen.

There'll also be updates from the fourth day of the final Ashes Test, plus reaction from the Belgian F1 Grand Prix and a big night of boxing in Las Vegas.

Photo: General view of Sydney Football Stadium at the ceremony prior to the FIFA Women's World Cup Australia & New Zealand 2023 Group H match between Colombia and Korea Republic at Sydney Football Stadium on July 25, 2023 in Sydney, Australia. (Credit: Getty Images)

SUN 19:00 BBC News (w172z2qxsxrc23w)
The latest five minute news bulletin from BBC World Service.

SUN 19:06 The Newsroom (w172z2tf15qxs2)

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

SUN 19:30 BBC News Summary (w172z2rr7nc1fd8)
The latest two minute news summary from BBC World Service.

SUN 19:32 In the Studio (w3ct4yfc)
SOIL and Ben Lovett: The architects of music

Brooklyn-based architectural practice SOIL's designs grace five continents; they have garnered a reputation for crafting exquisite arts spaces. They are joined by musician Ben Lovett, one of the founding members of folk rock outfit, Mumford & Sons. When he is not on stage, he puts his energy into reinvigorating tired music venues with his company TVG. Launching in 2016, TVG is now a leader in this field, helping to ensure the survival of spectacular independent venues which would otherwise be vulnerable to closure.

The opportunity to design a cultural space is a once-in-a-lifetime opportunity for any architect. For every 100,000 homes, five museums and one concert hall are funded. In this episode of In the Studio, we get behind-the-scenes and under the floorboards with the SOIL experts as they describe how their philosophy and processes enrich and shape their buildings.

Ben's experience as a musician and performer, and now as a venue developer, provides him with a unique perspective on these types of spaces, understanding the needs of performers as well as those of the audience. He also grasps how these spaces can directly affect and inspire composers and other artists. The guests discuss what makes a successful performance space, and the importance of architecture in music's long-term development.

Presenter: Ben Lovett
Producer: Helen Lennard

(Image: Jing Liu, Ben Lovett and Florian Idenburg. Credit: Louise Orchard)

SUN 20:00 BBC News (w172z2qxsxrc5w0)
The latest five minute news bulletin from BBC World Service.

SUN 20:06 Unexpected Elements (w3ct4wjrr)
[Repeat of broadcast at 01:06 today]

SUN 21:00 BBC News (w172z2qxsxrc9m4)
The latest five minute news bulletin from BBC World Service.

SUN 21:06 Newshour (w172z09jb7y7yvk)
Niger coup: West African leaders threaten military action

The leaders of the block of West African nations, ECOWAS, threatens to take military action if Niger's military junta does not end their coup in seven days' time. In the meantime, economic sanctions have been immediately put in place.

Also on the programme: Kenya's Minister of Foreign Affairs, Alfred Mutua, discusses Kenya's offer to help Haitian police combat criminal gangs. And we hear from the all-female Ukrainian group, Dakh Daughters, who produce what they call a freak cabaret.

(Image: Nigerien security forces prepare to disperse pro-junta demonstrators gathered in the capital city of Niger, Niamey. Credit: Reuters)

SUN 22:00 BBC News (w172z2qxsxrcfc8)
The latest five minute news bulletin from BBC World Service.

SUN 22:06 The Climate Question (w3ct5bk9)
Can we have a climate-friendly death?

Funeral rites are steeped in culture, tradition and faith, with most of the world opting for cremation or burial. However, with new research now revealing the carbon impact of established funeral choices, more people are questioning their cost to the climate.

With alternatives such as 'water cremation' and 'eco-burials' becoming available, will people start to consider another way?

Presenter Jordan Dunbar hears about initiatives in India to modify traditional funeral pyres, calculates the climate cost of the most common choices, and hears from Archbishop Desmond Tutu's daughter, Rev. Mpho Tutu van Furth, about her surprise at her father's final act on earth.

Producer: Osman Iqbal
Researcher: Octavia Woodward
Series Producer: Simon Watts

Editor: China Collins
Sound Engineer: Tom Brignell
Production Coordinators: Debbie Richford and Sophie Hill

SUN 22:30 BBC News Summary (w172z2rr7nc1smn)
The latest two minute news summary from BBC World Service.

SUN 22:32 Pick of the World (w3ct5b8x)
[Repeat of broadcast at 09:32 on Saturday]

SUN 22:50 Over to You (w3ct4rpkk)
[Repeat of broadcast at 09:50 on Saturday]

SUN 23:00 BBC News (w172z2qxsxrck3d)
The latest five minute news bulletin from BBC World Service.

SUN 23:06 The Newsroom (w172z2sm4g47kb9)
The world's Newsroom brings you global events as they happen

SUN 23:20 Sports News (w172z1k0ln6pljf)
BBC Sport brings you all the latest stories and results from around the world.

SUN 23:30 BBC News Summary (w172z2rr7nc1xsn)
The latest two minute news summary from BBC World Service.

SUN 23:32 Outlook (w3ct4rb8)
[Repeat of broadcast at 19:32 on Saturday]

MONDAY 31 JULY 2023

MON 00:00 BBC News (w172z2qxsxrcvncj)
The latest five minute news bulletin from BBC World Service.

MON 00:06 From Our Own Correspondent (w3ct4nt5)
[Repeat of broadcast at 04:06 on Sunday]

MON 00:30 BBC News Summary (w172z2rr7nc213x)
The latest two minute news summary from BBC World Service.

MON 00:32 The Explanation (w3ct4z6t)
[Repeat of broadcast at 04:32 on Sunday]

MON 00:50 More or Less (w3ct5b6n)
[Repeat of broadcast at 05:50 on Saturday]

MON 01:00 BBC News (w172z2qy561hmvt)
The latest five minute news bulletin from BBC World Service.

MON 01:06 The Newsroom (w172z2tfyg11yjo)
The world's Newsroom brings you global events as they happen

MON 01:30 BBC News Summary (w172z2rrlxn6046)
The latest two minute news summary from BBC World Service.

MON 01:32 Happy News (w3ct5htt)
Farmers strike truce with bears

Our weekly collection of the happiest stories in the world. This week, the deal to get Colombian coffee growers and bears living in harmony, the power of sound in restoring Australian coral reefs, and how sending a fax can win you a fortune in Taiwan.

Presenter Jackie Leonard. Music produced by Iona Hampson.

MON 02:00 BBC News (w172z2qy561hrly)
The latest five minute news bulletin from BBC World Service.

MON 02:06 The Newsroom (w172z2tfyg12284)
The world's Newsroom brings you global events as they happen

MON 02:30 BBC News Summary (w172z2rrlxn63wb)
The latest two minute news summary from BBC World Service.

MON 02:32 CrowdScience (w3ct4y4b)
Why does some music make us sad?

CrowdScience investigates the link between music and emotion to try and understand why certain songs can have such a profound impact on our mood.

From breakup songs to upbeat holiday hits, many of us have made playlists that reflect how we feel, whether that's down in the dumps or high as a kite. This week CrowdScience investigates the link between music and emotion to try and understand why certain songs can have such a profound impact on our mood.

Presenter Anand Jagatia is surprised to learn that newborn babies are more likely to fall asleep when listening to fast tempo happy tunes than soothing sad lullabies, which may be because they're attuned to multiple auditory stimuli after months in the womb.

But later in life we actually seek out sad songs to make us feel better. The so-called 'sadness paradox' has been studied for many centuries. But what is it about melancholy music that might be good for us?

Some scientists believe more empathetic people enjoy listening to these types of tune because they elicit a feeling of compassion towards others, which can be rewarding.

A film composer tells us how scoring suspense isn't simply about minor or major chords, or even what instruments you use – it all comes down to keeping the audience guessing about what's coming next.

Presenter: Anand Jagatia
Producer: Marijke Peters
Production co-ordinator: Jonathan Harris
Editor: Richard Collings
Studio Technician: Phil Lander

Contributors:

Alex Heffes
Professor Stefan Koelsch
Dr Emese Nagy
Associate Professor Jonna Vuoskoski
Dr Scott Bannister

MON 03:00 BBC News (w172z2qy561hwc2)

The latest five minute news bulletin from BBC World Service.

MON 03:06 People Fixing The World (w3ct4xzt)

The bubble barrier cleaning up rivers

How can we stop plastic flowing into our oceans? Dutch inventors have one solution, pulling plastic from the water using a 'net' made from bubbles.

Also on the programme - how sound could be used to help restore coral reefs in Australia. Scientists found playing the sounds of a healthy reef under water, could attract fish back to the site. They hope to combine this with coral seeding to rebuild reefs teeming with life.

And our last solution keeps with the water theme - looking at a hand-cranked washing machine that makes laundry quicker and easier for some of the poorest women in society.

Presenter: Myra Anubi
Producer/Reporter: Claire Bates
Producer/Reporter: Richard Kenny
Series Producer: Tom Collins
Sound Mix: Hal Haines
Editor: Penny Murphy

email: peoplefixingtheworld@bbc.co.uk

Image: Philip Ehrhorn (BBC)

MON 03:30 BBC News Summary (w172z2rrlxn67mg)

The latest two minute news summary from BBC World Service.

MON 03:32 Pick of the World (w3ct5b8x)

[Repeat of broadcast at 09:32 on Saturday]

MON 03:50 Over to You (w3ct4rpk)

[Repeat of broadcast at 09:50 on Saturday]

MON 04:00 BBC News (w172z2qy561j036)

The latest five minute news bulletin from BBC World Service.

MON 04:06 The Newsroom (w172z2fyg129rd)

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

MON 04:30 BBC News Summary (w172z2rrlxn6ccl)

The latest two minute news summary from BBC World Service.

MON 04:32 The Conversation (w3ct4tvp)

Women in Beirut: Rebuilding our city

In August 2020, a devastating explosion destroyed the port of Beirut. More than 200 people lost their lives and thousands of small and medium women-owned businesses were destroyed. Kim Chakanetsa meets two entrepreneurs who are now working to rebuild their city and keep the economy going.

In 2018, Joelle Azar quit her job in banking and, with the help of her three sisters, opened Le Panier du Coin, a food store in the centre of Beirut, where they sell produce made by local female farmers and artisans. On the day of the explosion, she was on her way to work when a balcony fell on her car. It took months for Joelle to get back on her feet, and even though her sisters have now left the country, she is determined to stay, keep the shop open and help her community heal.

Nour Tannir is a 28-year-old architect and entrepreneur. In 2019, Nour joined her sister-in-law, jewellery designer Yasmine Dabbous, at EspaceFann, a social enterprise offering women affordable workshops and professional courses in textile, design and traditional crafts. Their workshops were seriously damaged by the blast, but Nour thinks that all the adversities they faced made them stronger. Nour also owns her own brand of contemporary designs for religious rituals, 786 Faithful Solutions.

In the aftermath of the explosion Joelle and Nour were helped by local NGOs, including Stand For Women.

Produced by Alice Gioia. Sound recording by Antonio Nakhoul.

(Image: (L) Nour Tannir. (R) Joelle Azar.)

MON 05:00 BBC News (w172z2qy561j3vb)

The latest five minute news bulletin from BBC World Service.

MON 05:06 Newsday (w172z072cbfbvsw)

Blast at Pakistan political rally kills at least 44 people

At least 44 people have been killed in an explosion during a rally organised by an Islamist party in north western Pakistan. Police say they have found evidence of a suicide attack.

Kenya is to lead a multinational force to Haiti, which is experiencing a surge in violence between police and gangs.

Ukraine's President Zelensky has warned that war is coming to Russia after a drone attack on the capital Moscow.

China is accused of pressuring Uyghurs living abroad to spy on human rights campaigners; one person who was targeted describes how he was blackmailed.

MON 06:00 BBC News (w172z2qy561j7lg)

The latest five minute news bulletin from BBC World Service.

MON 06:06 Newsday (w172z072cbfbzk0)

Blast at Pakistan political rally kills at least 44 people

At least 44 people have been killed and over 100 injured in an explosion during a rally organised by an Islamist party in north west Pakistan. Police have found evidence suggesting it was a possible suicide attack.

Ukrainian forces are continuing to make advances around the city of Bakhmut in the east of Ukraine; a group of elite Ukrainian snipers are successfully helping in that effort.

The Panama Canal Authority has introduced limits to the number of daily vessels passing through its waters.

And how a UK regulator is considering plans to exploit a major untapped oil and gas field near the Shetland Islands.

MON 07:00 BBC News (w172z2qy561jcb1)

The latest five minute news bulletin from BBC World Service.

MON 07:06 Newsday (w172z072cbfc394)

At least 44 people killed in an explosion in Pakistan

At least 44 people have been killed in an explosion during a rally organised by an Islamist party in north western Pakistan. A member of parliament in the country says it's "a colossal intelligence failure."

Ukraine's President Zelensky has warned that war is coming to

Russia after a drone attack on the capital Moscow.

The governor of the central bank of Lebanon leaves his post today after thirty years in the job and facing corruption charges at home and abroad.

A UK regulator is currently considering plans to exploit a major untapped oil and gas field near the Shetland Islands.

And at the football Women's World Cup, either co-hosts Australia or Olympic champions Canada could be eliminated.

MON 08:00 BBC News (w172z2qy561jh2q)

The latest five minute news bulletin from BBC World Service.

MON 08:06 HARDtalk (w3ct4p37)

Isabella Tree: Is rewilding a pathway to a healthier planet?

Stephen Sackur is at the Knepp Estate in the south of England to speak to conservationist Isabella Tree. Her estate is a world-renowned example of rewilding but is she building a pathway to a healthier planet or putting eco-principles above the needs of people?

(Photo: Isabella Tree in her office)

MON 08:30 BBC News Summary (w172z2rrlxn6vc3)

The latest two minute news summary from BBC World Service.

MON 08:32 Business Daily (w3ct4mtv)

Is France leading the way on nuclear?

The country produces 70% of its electricity this way - and is the global leader.

It's aiming to prolong the lifespan of its 56 existing nuclear reactors – and construct additional ones.

President Macron is calling it "the nuclear renaissance" of France.

However some people still have concerns over the safety measures in place.

So how much sense does France's nuclear strategy make, economically speaking?

Produced and presented by Lisa Louis.

Image:

MON 08:50 Witness History (w3ct4x9x)

José Mujica: Prison break to president

In the 1960s and '70s, José Mujica was a leading member of a notorious left-wing militant group in Uruguay called the Tupamaros. He survived multiple bullet wounds, torture, and executed a daring prison escape.

After years held in solitary confinement, Mujica was released from prison in 1985 and entered politics. He became Uruguay's president in 2009. He speaks to Ben Henderson.

(Photo: José Mujica at home in Montevideo. Credit: Ricardo Ceppi/Getty Images)

MON 09:00 BBC News (w172z2qy561jltv)

The latest five minute news bulletin from BBC World Service.

MON 09:06 The Newsroom (w172z2fyg12xh1)

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

MON 09:30 BBC News Summary (w172z2rrlxn6z37)

The latest two minute news summary from BBC World Service.

MON 09:32 CrowdScience (w3ct4y4b)

[Repeat of broadcast at 02:32 today]

MON 10:00 BBC News (w172z2qy561jqkz)

The latest five minute news bulletin from BBC World Service.

MON 10:06 The History Hour (w3ct4w5c)

West African food and computer viruses

Max Pearson presents a collection of this week's Witness History episodes from the BBC World Service. Our guest is Ozoz Sokoh, Nigerian food writer and author of the Kitchen Butterfly food blog, who tells us about the history of West

African food.

The programme begins with the story of Mr Bigg's, Nigeria's answer to McDonald's. Then, we hear about the 1960 coup against the Emperor of Ethiopia, Haile Selassie, from his grandnephew.

In the second half of the programme, a Jewish survivor tells us about the Nazi occupation of Greece from 1941-1944. Two witnesses tell us about Pope John Paul II's ill-fated visit to Nicaragua in 1983. And a Pakistani man recounts how he accidentally created the first personal computer virus in 1986.

Contributors:

Ozoz Sokoh - Nigerian food writer and author of the Kitchen Butterfly food blog.
Emmanuel Osgo - Mr Bigg's employee.
Dr Asfa-Wossen Asserate - grandnephew of Haile Selassie.
Yeti Mitrani - Jewish survivor of Nazi occupation of Greece.
Nancy Frazier O'Brien - Catholic News Service reporter.
Carlos Pensque - Nicaraguan protestor.
Amjad Farooq Alvi - software developer.

(Photo: West African food. Credit: Craig F. Walker/The Boston Globe via Getty Images)

MON 11:00 BBC News (w172z2qy561jvb3)

The latest five minute news bulletin from BBC World Service.

MON 11:06 The Newsroom (w172z2tfyg134z9)

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

MON 11:30 BBC News Summary (w172z2rrlxn76lh)

The latest two minute news summary from BBC World Service.

MON 11:32 The Conversation (w3ct4tvp)

[Repeat of broadcast at 04:32 today]

MON 12:00 BBC News (w172z2qy561jz27)

The latest five minute news bulletin from BBC World Service.

MON 12:06 Outlook (w3ct4qg6)

Who is that kneeling man in the photograph?

My search for the truth about my father and Martin Luther King's assassination.

Leta McCollough Seletzky grew up knowing that her father was the 'kneeling man', photographed tending to the head wound of Reverend Dr Martin Luther King Jr just moments after he was shot in April 1968. As a teenager she stumbled across an alarming detail about why her father was there on that infamous day; it plunged her into the world of conspiracy theories and family secrets. It would take her many years to dig out his true story.

Presenter: Mobeen Azhar
Producer: Rebecca Vincent

Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707

(Photo: The scene of Dr Martin Luther King Jr's assassination at the Lorraine Motel in Memphis, Tennessee, 4th April 1968. Credit: Joseph Louw)

MON 12:50 Witness History (w3ct4x9x)

[Repeat of broadcast at 08:50 today]

MON 13:00 BBC News (w172z2qy561k2tc)

The latest five minute news bulletin from BBC World Service.

MON 13:06 The Newsroom (w172z2tfyg13djk)

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

MON 13:30 BBC News Summary (w172z2rrlxn7g2r)

The latest two minute news summary from BBC World Service.

MON 13:32 CrowdScience (w3ct4y4b)

[Repeat of broadcast at 02:32 today]

MON 14:00 BBC News (w172z2qy561k6kh)

The latest five minute news bulletin from BBC World Service.

MON 14:06 Newshour (w172z09jpp7fvsx)

Pakistan blast: Witnesses describe 'doomsday scenes'

Prime Minister Shehbaz Sharif condemned those responsible as being terrorists who have 'targeted those who speak for Islam, the Quran and Pakistan'; also our reporter in Ukraine has been on the front line with a team of elite snipers known as 'the Ghosts of Bakhmut'; and has Emperor Nero's lost theatre finally been found next door to the Vatican?

(Photo: Security officials inspect the scene of a bomb explosion in Khar, Bajaur district, Pakistan. Credit: Hanifullah Khan/EPA)

MON 15:00 BBC News (w172z2qy561kb9m)

The latest five minute news bulletin from BBC World Service.

MON 15:06 HARDtalk (w3ct4p37)

[Repeat of broadcast at 08:06 today]

MON 15:30 BBC News Summary (w172z2rrlxn7p10)

The latest two minute news summary from BBC World Service.

MON 15:32 World Business Report (w3ct4zdj)

Manchester United signed £900m kit deal with Adidas

Manchester United have agreed a 10-year extension kit deal to their partnership with Adidas worth a minimum of £900m.

Lebanon's economic and political paralysis enters a new phase today with the departure of the discredited central bank governor, Riad Salameh. For most of his thirty-year tenure he was celebrated as a financial genius, but he is now widely blamed for Lebanon's almost complete economic collapse since 2019.

Online marketplace Etsy has come under fire from sellers for putting 75% of their takings on hold for 45 days.

(Some of Manchester United players at a pre-season friendly match between Manchester United and Borussia Dortmund at Allegiant Stadium on July 30, 2023 in Las Vegas, Nevada. Picture credit: Getty Images)

MON 16:00 BBC News (w172z2qy561kg1r)

The latest five minute news bulletin from BBC World Service.

MON 16:06 BBC OS (w172z0vxq9qhghc)

UK's new oil and gas licences

The British government has announced plans to issue at least 100 new oil and gas drilling licences for the North Sea. Prime Minister Rishi Sunak says licences would be subject to climate compatibility tests, and he also announced billions of dollars for carbon capture projects. Critics say the announcements show Britain is reneging on commitments to reach net zero by 2050. We hear about the reaction and get an explainer from our political correspondent.

Researchers and activists say that China is pressuring Uyghur Muslims living abroad to spy on human rights campaigners by threatening families back home. Our reporter has been speaking to a Uyghur refugee in the UK.

Three people from Spain, Pakistan and Ghana share what it was like to experience a coup or a coup attempt in their countries.

A farmer in the US has planted a massive field of 1.2 million sunflowers as a surprise 50th wedding anniversary gift for his wife. We hear from listeners about their most romantic experiences.

(Photo: File photo dated 23/09/21 of a oil rig anchored in the Cromarty Firth, Invergordon. Credit Jane Barlow/PA Wire)

MON 17:00 BBC News (w172z2qy561kksw)

The latest five minute news bulletin from BBC World Service.

MON 17:06 BBC OS (w172z0vxq9qhgmh)

Niger junta detains more government ministers

The military leaders in Niger have arrested two more cabinet ministers along with the head of the governing party, a day after the regional bloc ECOWAS gave them a week to restore democratic rule. We get details from BBC Monitoring in Nairobi.

The first episode of a new podcast "What in the World" on the BBC World Service has been released today. The host Hanna Gelbart talks about the stories the pod will be covering to attract young audiences who are becoming less engaged with traditional media.

Cardi B has been making headlines after being hit by an object

from the crowd and reacting by throwing her microphone at the concertgoer. Our entertainment correspondent explains.

A farmer in the US has planted a massive field of 1.2 million sunflowers as a surprise 50th wedding anniversary gift for his wife. We hear from listeners about their most romantic experiences.

(Photo: Nigerien security forces prepare to disperse pro-junta demonstrators gathered outside the French embassy, in Niamey, the capital city of Niger July 30, 2023. Credit: Souleymane Ag Anara/Reuters)

MON 18:00 BBC News (w172z2qy561kpk0)

The latest five minute news bulletin from BBC World Service.

MON 18:06 Outlook (w3ct4qg6)

[Repeat of broadcast at 12:06 today]

MON 18:50 Witness History (w3ct4x9x)

[Repeat of broadcast at 08:50 today]

MON 19:00 BBC News (w172z2qy561kt94)

The latest five minute news bulletin from BBC World Service.

MON 19:06 The Newsroom (w172z2tfyg143yb)

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

MON 19:30 BBC News Summary (w172z2rrlxn85kj)

The latest two minute news summary from BBC World Service.

MON 19:32 Sport Today (w3ct4st5)

2023/07/31 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 (w172z2qy561ky18)

The latest five minute news bulletin from BBC World Service.

MON 20:06 From Our Own Correspondent (w3ct4nt5)

[Repeat of broadcast at 04:06 on Sunday]

MON 20:30 BBC News Summary (w172z2rrlxn899n)

The latest two minute news summary from BBC World Service.

MON 20:32 Discovery (w3ct5j21)

The Life Scientific: Andre Geim

The world around us is three-dimensional. Yet, there are materials that can be regarded as two-dimensional. They are only one layer of atoms thick and have remarkable properties that are different from their three-dimensional counterparts. Sir Andre Geim created the first-ever man-made 2D material, by isolating graphene, and is one of the pioneers in this line of research. Even beyond his Nobel Prize-winning work on graphene, he has explored new ideas in many different areas of physics throughout his career. Andre tells Jim about his time growing up in the Soviet Union, being rejected from university based on his German ethnicity, his move to Western Europe, and levitating frogs.

MON 21:00 BBC News (w172z2qy561l1sd)

The latest five minute news bulletin from BBC World Service.

MON 21:06 Newshour (w172z09jpp7gg0t)

Quran burnt outside Swedish parliament

The Organisation of Islamic Cooperation has condemned Sweden and Denmark for failing to prevent the repeated burning of the Quran by activists. At an extraordinary meeting, the Saudi-based organisation urged member states to take any action they deemed appropriate in response. Both Scandinavian countries have said they reject Islamophobic acts and are working on how to solve the problem.

Also in the programme: fighting at Lebanese refugee camp; and should Venice be added to UNESCO's list of endangered World Heritage Sites?

(Picture: Police stand guard as a man (not in picture) prepares to burn a copy of the Koran in protest. CREDIT: EPA/OSCAR OLSSON SWEDEN OUT)

MON 22:00 BBC News (w172z2qy561l5jj)

The latest five minute news bulletin from BBC World Service.

MON 22:06 HARDtalk (w3ct4p37)

[Repeat of broadcast at 08:06 today]

MON 22:30 BBC News Summary (w172z2rrlxn8jsx)

The latest two minute news summary from BBC World Service.

MON 22:32 The Conversation (w3ct4tvp)

[Repeat of broadcast at 04:32 today]

MON 23:00 BBC News (w172z2qy561l98n)

The latest five minute news bulletin from BBC World Service.

MON 23:06 The Newsroom (w172z2smhqfg9hk)

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

MON 23:20 Sports News (w172z2k0yxhxbpp)

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

MON 23:30 BBC News Summary (w172z2rrlxn8nk1)

The latest two minute news summary from BBC World Service.

MON 23:32 World Business Report (w3ct4zgs)

China's deflating economy

China confronts the threat of economic stagnation and deflation as it fails to bounce back post-Covid. Some analysts now say the government's economic growth target around 5% could be at risk for a second year in a row.

(Picture: An employee works on a drilling machine at a factory in Zhangjiakou in China's northern Hebei province. - Factory prices in China were unchanged in June from a year ago, data showed on July 10, reviving the prospect of deflation as the US trade war hits the crucial manufacturing sector. Picture Credit: Getty Images).

TUESDAY 01 AUGUST 2023**TUE 00:00 BBC News (w172z2qy561lf0s)**

The latest five minute news bulletin from BBC World Service.

TUE 00:06 The History Hour (w3ct4w5c)

[Repeat of broadcast at 10:06 on Monday]

TUE 01:00 BBC News (w172z2qy561ljrx)

The latest five minute news bulletin from BBC World Service.

TUE 01:06 Business Matters (w172yzrnmhpx257)

Why falling prices are troubling China

A slow comeback from Covid has added to China's economic strain, but it's bucking the trend when it comes to global inflation. As an export ban on Chinese rare minerals comes into effect, we explore the impact it could have on the global chip industry. Host Roger Hearing is joined by Fermin Koop in Argentina and Kimberly Adams from Marketplace in the US.

(Picture: Customers at a supermarket in Qingzhou, Shandong province, China. Credit: Getty Images).

TUE 02:00 BBC News (w172z2qy561lnj1)

The latest five minute news bulletin from BBC World Service.

TUE 02:06 The Newsroom (w172z2tfyg14z57)

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

TUE 02:30 BBC News Summary (w172z2rrlxn90sf)

The latest two minute news summary from BBC World Service.

TUE 02:32 The Documentary (w3ct5j22)

Invading the past: Russia and science fiction

Science fiction flourished from the earliest days of the Soviet Union. A rare space to explore other realms and utopian dreams of progress. But with the Soviet Union's collapse different narratives bubbled up.

Many of them reactionary, imperial, violent with one sub genre flourishing above all - Popadantsy: accidental time travel where protagonists return to World War Two or the Imperial past to set the path of Russian history on the 'right' course, perhaps with the aid of Stalin or even Hitler. The enemies are frequently the US, Britain and the West.

Historian Catherine Merridale explores how the once visionary world of Russian science fiction shifted in the time of Vladimir Putin to become a reactionary playground. Did the real invasion of Ukraine actually began amid the pages of such dark fictions?

Producer: Mark Burman

TUE 03:00 BBC News (w172z2qy561ls85)

The latest five minute news bulletin from BBC World Service.

TUE 03:06 Outlook (w3ct4qg6)

[Repeat of broadcast at 12:06 on Monday]

TUE 03:50 Witness History (w3ct4x9x)

[Repeat of broadcast at 08:50 on Monday]

TUE 04:00 BBC News (w172z2qy561lx09)

The latest five minute news bulletin from BBC World Service.

TUE 04:06 The Newsroom (w172z2tfyg156nh)

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

TUE 04:30 BBC News Summary (w172z2rrlxn988p)

The latest two minute news summary from BBC World Service.

TUE 04:32 In the Studio (w3ct4yfd)

Updating Agatha Christie's Poirot: Sophie Hannah

The crime writer Agatha Christie remains the best-selling novelist of all time even though her death was almost 50 years ago. Her fictional detective Hercule Poirot has attained legendary status, so for a modern novelist to breathe new life into the character is a considerable challenge. However, the English psychological crime author Sophie Hannah has been doing just that. In 2014 she wrote her first novel using Poirot as the central character and we follow her in 2018 as she prepares her third Poirot novel for publication, entitled The Mystery of Three Quarters.

Taking over another author's character is a complex business. Sophie has to work with the Christie estate and make sure that they and her publishers are happy with the way the novel progresses - and most importantly, ends.

Felicity next catches up with Sophie as her fifth Poirot novel, Hercule Poirot's Silent Night, is due to be published and Sophie updates us about her ongoing relationship with the famous Belgium detective.

Producer: Felicity Finch and Emma Kingsley

(Photo: author Sophie Hannah. Credit: Onur Pinar)

TUE 05:00 BBC News (w172z2qy561m0rf)

The latest five minute news bulletin from BBC World Service.

TUE 05:06 Newsday (w172z072cbffrpz)

Burkina Faso and Mali warn against military intervention in Niger

In West Africa, Burkina Faso and Mali have said that any military intervention in Niger to reverse last week's coup to restore deposed President Mohamed Bazoum will be seen as a declaration of war on the two ruling Juntas. We'll ask what this rapidly escalating crisis means for the wider region.

In China, more than 30,000 people have been forced to flee their homes in the capital as a super typhoon causes widespread flooding. We'll talk to our correspondent in Beijing.

Plus, Newsday will hear from a people smuggler from Pakistan who police allege was involved in June's Greek migrant boat accident and a family who lost their two teenage sons.

TUE 06:00 BBC News (w172z2qy561m4hk)

The latest five minute news bulletin from BBC World Service.

TUE 06:06 Newsday (w172z072cbffwg3)

Thousands of supporters of the military junta congregate in Niger

In West Africa, Burkina Faso and Mali, which are both ruled by juntas, have said that any military intervention in Niger to reverse last week's coup will be seen as a declaration of war on them. Newsday will ask what this rapidly escalating crisis means for the wider region.

Also more on those massive wildfires in Canada, we'll have an update from the province of British Colombia.

We will look at whether China's Belt and Road initiative is good for Africa.

Plus, the exact location of what is thought to be the first English slave fort in Africa may have been found in Ghana.

TUE 07:00 BBC News (w172z2qy561m87p)

The latest five minute news bulletin from BBC World Service.

TUE 07:06 Newsday (w172z072cbfg067)

Niger's Ambassador to France confirms support from ECOWAS

In West Africa, Burkina Faso and Mali, which are both ruled by juntas, have said that any military intervention in Niger to reverse last week's coup will be seen as a declaration of war on them. We'll get reaction from Niger's Ambassador to France.

Also coming up, representatives of Afghanistan's ruling Taliban hold face to face talks with the United States. We'll speak to a former Deputy Speaker in the Afghan parliament.

After years of economic instability, Lebanon today ushers in a new interim head of its central bank. Will he radically change the direction of the bank's policies?

Plus, we have reaction to British Prime Minister Rishi Sunak's plans for more oil and gas drilling in the North Sea.

TUE 08:00 BBC News (w172z2qy561mczt)

The latest five minute news bulletin from BBC World Service.

TUE 08:06 People Fixing The World (w3ct4xzv)

Surprising solar

The fast growth of solar power is a success story in the fight against climate change. However, in some countries progress is being stymied by opposition to large solar farms in the countryside.

But enterprising people are trying to keep the solar momentum going, by finding less obvious places where we can harness energy from the sun - like lakes, farms, car parks, office windows and even outer space.

Presenter: Myra Anubi
Reporter: William Kremer
Series Producer: Tom Colls
Sound mix: Hal Haines
Editor: Penny Murphy

email: peoplefixingtheworld@bbc.co.uk

Image: Floating solar (Credit: Ocean Sun)

TUE 08:30 BBC News Summary (w172z2rrlxn9r86)

The latest two minute news summary from BBC World Service.

TUE 08:32 Business Daily (w3ct4n3w)

Working at altitude

From Tibet to the Andes to the highlands of Ethiopia, around 150 million people around the world work at high altitude. Many were born there, but in a globalized world of mass migration, many weren't, and are toiling in environments that their bodies maybe aren't accustomed to.

What does that mean for their health and for the companies that employ them? We go to a high altitude copper mine in the Chilean Andes and talk to doctors about the potential risks of working on top of the world.

Producer / presenter: Gideon Long

(Image: A mine high in the Andes. Credit: Getty Images)

TUE 08:50 Witness History (w3ct4xgg)

First dinosaur eggs identified in India

In 1982, nests of dinosaur eggs were identified for the first time in India.

They were found in Jabalpur, on a historic fossil site and former

British military cantonnement.

The eggs were from Titanosaurs, living at the end of the Cretaceous Period.

Palaeontologist Professor Ashok Sahni made the discovery, he's been speaking to Laura Jones.

(Photo: Ashok Sahni at home with fossilised dinosaur eggs. Credit: BBC)

TUE 09:00 BBC News (w172z2qy561mhqy)

The latest five minute news bulletin from BBC World Service.

TUE 09:06 The Newsroom (w172z2tfyg15td4)

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

TUE 09:30 BBC News Summary (w172z2rrlxn9w0b)

The latest two minute news summary from BBC World Service.

TUE 09:32 The Documentary (w3ct5j22)

[Repeat of broadcast at 02:32 today]

TUE 10:00 BBC News (w172z2qy561mmh2)

The latest five minute news bulletin from BBC World Service.

TUE 10:06 The Arts Hour (w3ct4v19)

[Repeat of broadcast at 20:06 on Saturday]

TUE 11:00 BBC News (w172z2qy561mr76)

The latest five minute news bulletin from BBC World Service.

TUE 11:06 The Newsroom (w172z2tfyg161wd)

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

TUE 11:30 BBC News Summary (w172z2rrlxnb3hl)

The latest two minute news summary from BBC World Service.

TUE 11:32 In the Studio (w3ct4yfd)

[Repeat of broadcast at 04:32 today]

TUE 12:00 BBC News (w172z2qy561mvzb)

The latest five minute news bulletin from BBC World Service.

TUE 12:06 Outlook (w3ct4dqr)

I ran away from slavery; now I help others escape

Analiza made the painful decision to leave her family behind in the Philippines in order to find work abroad. She felt she had little choice: the family was in debt, and despite working several jobs, she and her husband couldn't make ends meet. She hoped to work abroad for a couple of years, secure the family's future, and return home – but it's been eight years since she's seen her children. She tells Mobeen Azhar how she was abused by her employer, and made the brave decision to escape. She now helps other women escape abusive employers. This interview was first broadcast in September 2021.

Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707

(Photo: Analiza Guevarra. Credit: Analiza Guevarra)

TUE 12:50 Witness History (w3ct4xgg)

[Repeat of broadcast at 08:50 today]

TUE 13:00 BBC News (w172z2qy561mqzg)

The latest five minute news bulletin from BBC World Service.

TUE 13:06 The Newsroom (w172z2tfyg169cn)

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

TUE 13:30 BBC News Summary (w172z2rrlxnbzbv)

The latest two minute news summary from BBC World Service.

TUE 13:32 Discovery (w3ct5j21)

[Repeat of broadcast at 20:32 on Monday]

TUE 14:00 BBC News (w172z2qy561n3gl)

The latest five minute news bulletin from BBC World Service.

TUE 14:06 Newshour (w172z09jp7jrj0)

Niger coup: France to evacuate citizens after embassy attack

France says it will evacuate its citizens from Niger following last week's coup. The foreign ministry said it was responding to an attack on the French embassy on Sunday, as well as the lack of commercial flights. So could France still play a military role in Niger?

Also: thousands of young Pakistanis have tried to reach Europe via Libya - it's a dangerous route and many die - we will hear from one of the people smugglers; and why you need to keep your eyes on the sky this month for blue moons and supermoons.

(Photo: Protesters outside the French embassy on Sunday chanted "Long live Russia" and "Down with France". Credit: AFP)

TUE 15:00 BBC News (w172z2qy561n76q)

The latest five minute news bulletin from BBC World Service.

TUE 15:06 People Fixing The World (w3ct4xzv)

[Repeat of broadcast at 08:06 today]

TUE 15:30 BBC News Summary (w172z2rrlxnbh3)

The latest two minute news summary from BBC World Service.

TUE 15:32 World Business Report (w3ct4zpk)

Nigeria: President faces protests over economic policies

Nigeria's President Bola Tinubu has fleshed out the details of a raft of measures to tackle the rising cost of living, which has prompted civil unrest and looting.

In a televised address to the nation, Mr Tinubu said he had ordered the release of 200,000 tonnes of grain from strategic reserves.

He also promised to increase the minimum wage, encourage more and better-paid jobs and financial help for the farming, manufacturing and smaller business sectors.

(Picture: President Bola Tinubu has appealed for patience while implementing his economic plans. Picture credit: AFP)

TUE 16:00 BBC News (w172z2qy561nbv)

The latest five minute news bulletin from BBC World Service.

TUE 16:06 BBC OS (w172z0vxq9qldmg)

Niger coup: Your questions answered

As France prepares to evacuate its citizens from Niger, we answer questions about the crisis from listeners around the world.

Also, top YouTuber Jimmy "MrBeast" Donaldson is suing the company behind his fast food chain after claiming that fans found the food "revolting". Donaldson is the world's most popular YouTuber with 172 million subscribers and opened MrBeast Burger in 2020. He claims Virtual Dining Concepts is hurting his brand and reputation by serving a subpar product. We'll speak to our correspondent to find out more.

And Angus Cloud, the actor best known for his role as 'Fez' in HBO's hit series Euphoria, has died at the age of 25. A publicist said he died on Monday at his family home in California. Paige Skinner, an associate report at HuffPost, brings us the reaction from fans around the world.

(Photo: Nigerien security forces prepare to disperse pro-junta demonstrators gathered outside the French embassy, in Niamey, the capital city of Niger July 30, 2023. Credit: Souleymane Ag Anara/Reuters)

TUE 17:00 BBC News (w172z2qy561ngpz)

The latest five minute news bulletin from BBC World Service.

TUE 17:06 BBC OS (w172z0vxq9qljcl)

The Libya route to Europe

Nearly 13,000 Pakistanis headed for Libya and Egypt this year to attempt to cross into Europe. In June this year, an overcrowded vessel sank off Greece leading to huge loss of life. A survey conducted at the end of last year found 62% of boys and young men aged 15-24 wanted to leave Pakistan. We're joined by the BBC's Pakistan correspondent, Caroline Davies, who has spoken to families who lost family members in the Greek shipwreck, as well as people accused of human smuggling.

And, the northern US state of Wisconsin is considering a law that would lower the age of people who can serve alcohol to 14 years old. In recent years, at least 9 US states have lowered the age to serve alcohol in bars and restaurants. A local journalist tells us why this is happening and gives us the local reaction.

Presenter: James Reynolds.

(Photo: Mediterranean sea migrants in small boat, aerial view. March 11, 2023. Credit: <https://SEA-WATCH.ORG/Reuters>)

TUE 18:00 BBC News (w172z2qy561nlg3)

The latest five minute news bulletin from BBC World Service.

TUE 18:06 Outlook (w3ct4qwr)

[Repeat of broadcast at 12:06 today]

TUE 18:50 Witness History (w3ct4xgg)

[Repeat of broadcast at 08:50 today]

TUE 19:00 BBC News (w172z2qy561nq67)

The latest five minute news bulletin from BBC World Service.

TUE 19:06 The Newsroom (w172z2tfyg170vf)

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

TUE 19:30 BBC News Summary (w172z2rrlxnc2gm)

The latest two minute news summary from BBC World Service.

TUE 19:32 Sport Today (w3ct4sy)

2023/08/01 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 (w172z2qy561nty)

The latest five minute news bulletin from BBC World Service.

TUE 20:06 The Documentary (w3ct5j22)

[Repeat of broadcast at 02:32 today]

TUE 20:30 BBC News Summary (w172z2rrlxnc66r)

The latest two minute news summary from BBC World Service.

TUE 20:32 Tech Life (w3ct4tq5)

The cost of data

Have you thought about the cost of storing data from your phone or tablet? We examine what cloud storage costs you financially, and its impact on the environment. In Kenya, a huge cyber-attack targets the government's online services. We hear from some of those affected. Facebook has reached three billion users around the world. We ask what people like about it? And we have a report on delivering rental cars in Germany, but without any drivers. (Picture credit: Getty Images)

TUE 21:00 BBC News (w172z2qy561nyph)

The latest five minute news bulletin from BBC World Service.

TUE 21:06 Newshour (w172z09jp7klxx)

France starts evacuating its citizens from Niger

France is evacuating its nationals from Niger amid growing hostility to the former colonial power after a military take-over.

Also today: we speak to an Israeli doctor who wants to quit the country because of the right wing nationalist government; and it's a double blue super moon. Why do super moons seem bigger and brighter?

(Photo: A protester carries a sign that reads 'France must go' during a protest in Niamey, Niger, 30 July 2023. Thousands of supporters of General Abdourahmane Tchiani, head of the Presidential Guard, who declared himself the new leader of Niger after a coup against democratically elected President Mohamed Bazoum on 26 July, took to the streets of Niamey to demonstrate support for the coup. Credit: Issifou Djibo EPA-EFE/REX/Shutterstock)

TUE 22:00 BBC News (w172z2qy561p2fm)

The latest five minute news bulletin from BBC World Service.

TUE 22:06 People Fixing The World (w3ct4xzv)

[Repeat of broadcast at 08:06 today]

TUE 22:30 BBC News Summary (w172z2rrlxcnfq0)

The latest two minute news summary from BBC World Service.

TUE 22:32 In the Studio (w3ct4yfd)

[Repeat of broadcast at 04:32 today]

TUE 23:00 BBC News (w172z2qy561p65r)

The latest five minute news bulletin from BBC World Service.

TUE 23:06 The Newsroom (w172z2smhqfk6dn)

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

TUE 23:20 Sports News (w172z1k0yxj07ls)

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

TUE 23:30 BBC News Summary (w172z2rrlxcnkg4)

The latest two minute news summary from BBC World Service.

TUE 23:32 World Business Report (w3ct4zrt)

Donald Trump faces more indictments

Former US President Donald Trump is facing a third case in the wake of the 2020 Presidential election and its fallout. We look at his finances.

As Uber turns a profit for the first time, we look at how the company plans to expand and remain profitable.

Plus we hear from the Panama Canal's administrators as it struggles with drought conditions.

PHOTO CREDIT: REUTERS/Scott Morgan/File Photo

WEDNESDAY 02 AUGUST 2023

WED 00:00 BBC News (w172z2qy561p9xw)

The latest five minute news bulletin from BBC World Service.

WED 00:06 The Arts Hour (w3ct4v19)

[Repeat of broadcast at 20:06 on Saturday]

WED 01:00 BBC News (w172z2qy561pfp0)

The latest five minute news bulletin from BBC World Service.

WED 01:06 Business Matters (w172yzrnnhpzz2b)

The finances of the former President

Roger Hearing is joined by Lori Ann LaRocco in the US and Colin Peacock in New Zealand to discuss some of the major financial stories of the day. The former US President Donald Trump is indicted on more charges - this time around the fallout from the 2020 election.

Ilya Espino de Marotta is the Panama Canal Authority's Deputy Administrator - she tells us about the struggle to keep goods flowing during the drought season.

Plus we ask if being mean in the office is actually the best way to climb the ladder.

PHOTO CREDIT: REUTERS/Lindsay DeDario/File Photo

WED 02:00 BBC News (w172z2qy561pkf4)

The latest five minute news bulletin from BBC World Service.

WED 02:06 The Newsroom (w172z2tfyg17w2b)

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

WED 02:30 BBC News Summary (w172z2rrlxcnexpj)

The latest two minute news summary from BBC World Service.

WED 02:32 The Climate Question (w3ct5bk9)

[Repeat of broadcast at 22:06 on Sunday]

WED 03:00 BBC News (w172z2qy561pp58)

The latest five minute news bulletin from BBC World Service.

WED 03:06 Outlook (w3ct4qwr)

[Repeat of broadcast at 12:06 on Tuesday]

WED 03:50 Witness History (w3ct4xgg)

[Repeat of broadcast at 08:50 on Tuesday]

WED 04:00 BBC News (w172z2qy561psxd)

The latest five minute news bulletin from BBC World Service.

WED 04:06 The Newsroom (w172z2tfyg183kl)

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

WED 04:30 BBC News Summary (w172z2rrlxcnd55s)

The latest two minute news summary from BBC World Service.

WED 04:32 On the Podium (w3ct5hzm)

Denny Morrison: Coming back from tragedy

Gold medal-winning speed skater Denny Morrison's near death experience, and a teammate's selflessness. A competitor gave up his place to give Denny a sporting break, but a devastating motorbike accident was to follow. He fought back against multiple injuries, before then suffering a stroke. But Denny refused to be beaten, qualifying for the 2018 Olympics.

WED 05:00 BBC News (w172z2qy561pxnj)

The latest five minute news bulletin from BBC World Service.

WED 05:06 Newsday (w172z072cbfjnm2)

Trump charged with bid to overturn 2020 election

The former US President Donald Trump has been criminally charged with trying to overturn the result of the 2020 presidential election. What's been the reaction to an unprecedented moment in US politics?

An investigation into Russia's occupation of the Kherson region in Ukraine last year finds alleged sexual torture of residents.

In Niger, what impact the coup there could have on the country's globally-important uranium mining industry.

And the American space agency, NASA, has picked up - what's being called - a "heartbeat" signal from a probe it had lost contact with, billions of kilometres from Earth.

WED 06:00 BBC News (w172z2qy561q1dn)

The latest five minute news bulletin from BBC World Service.

WED 06:06 Newsday (w172z072cbfjsc6)

Trump charged with bid to overturn 2020 election

Donald Trump is facing fresh criminal charges, this time in connection with his attempts to cling to power after losing the 2020 election. Mr Trump who is again running for president denies wrongdoing.

A former attorney for the US Justice Department says polling continues to show Trump leading in the polls as republican presidential candidate but nobody is above the law.

The US government's credit rating has been downgraded.

And the American space agency, NASA, has picked up what's being called a "heartbeat" signal from a probe it had lost contact with, billions of kilometres from Earth.

WED 07:00 BBC News (w172z2qy561q54s)

The latest five minute news bulletin from BBC World Service.

WED 07:06 Newsday (w172z072cbfjx3b)

Trump charged with bid to overturn the 2020 election

Donald Trump has been charged over his bid to retain power after the last presidential election in the United States. The former president will appear in court on Thursday.

The first of three planes sent to evacuate European citizens from Niger where a coup took place last week has arrived back in Paris.

The Ukrainian female sniper declared by Russian media to have been killed in battle is alive and well and taking on Moscow's war of words and the fight on the ground back to the frontline.

WED 08:00 BBC News (w172z2qy561q8wx)

The latest five minute news bulletin from BBC World Service.

WED 08:06 HARDtalk (w3ct4p7r)

Kwame Kwei-Armah: Are audiences prepared to engage?

Stephen Sackur speaks to Kwame Kwei-Armah, artistic director of the Young Vic theatre in London. His work poses questions about race, identity, equality and justice. In an era of political polarisation, are audiences prepared to engage?

WED 08:30 BBC News Summary (w172z2rrlxcndn59)

The latest two minute news summary from BBC World Service.

WED 08:32 Business Daily (w3ct4n8d)

Is it possible to grow food on the Moon?

Space agencies and billionaire investors plan to have people living on the Moon or Mars. But those lunar and martian residents will have to grow their own food to survive.

Find out how biologists from Florida, Norway and the Netherlands are experimenting to grow crops in regolith, the kind of soil found on the Moon and Mars. It could be very profitable enterprise.

Presenter / producer: Russell Padmore

Image: Moon and crops; Credit: Getty Images

WED 08:50 Witness History (w3ct4xjq)

Birth of a new language

In the early 1980s deaf children in Nicaragua invented a completely new sign language of their own.

It was a remarkable achievement, which allowed experts a unique insight into how human communication develops.

In 2020, Mike Lanchin spoke to an American linguist Judy Shepard-Kegl, who documented this process.

(Photo: Sign language class in Nicaragua. Credit: INTI OCON/AFP via Getty Images)

WED 09:00 BBC News (w172z2qy561qdn1)

The latest five minute news bulletin from BBC World Service.

WED 09:06 The Newsroom (w172z2tfyg18q97)

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

WED 09:30 BBC News Summary (w172z2rrlxcndrxsf)

The latest two minute news summary from BBC World Service.

WED 09:32 The Climate Question (w3ct5bk9)

[Repeat of broadcast at 22:06 on Sunday]

WED 10:00 BBC News (w172z2qy561qjd5)

The latest five minute news bulletin from BBC World Service.

WED 10:06 The Documentary (w3ct5j1y)

[Repeat of broadcast at 12:06 on Saturday]

WED 11:00 BBC News (w172z2qy561qn49)

The latest five minute news bulletin from BBC World Service.

WED 11:06 The Newsroom (w172z2tfyg18ysh)

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

WED 11:30 BBC News Summary (w172z2rrlxcnf0dp)

The latest two minute news summary from BBC World Service.

WED 11:32 On the Podium (w3ct5hzm)

[Repeat of broadcast at 04:32 today]

WED 12:00 BBC News (w172z2qy561qrwf)

The latest five minute news bulletin from BBC World Service.

WED 12:06 Outlook (w3ct4r3j)

How'd you get so rich? A dream to change my family's fortune

Reggie Nelson grew up on a London council estate in a British-Ghanaian family that struggled with alcoholism and money worries. After a brush with the law at a young age, he found direction through his faith and then, as a teenager, being signed to play professional football.

But a sudden loss meant he had to quit playing and look for a

more stable career to support his family. Inspired by his sister's favourite reality TV show he set out on a mission to discover exactly how people got rich. So he knocked on doors in the most affluent area of London to put the question. A number of chance encounters that day took him on a whirlwind journey.

Reggie's autobiography is called Opening Doors.

Presenter: Mobeen Azhar
Reporter: Tommy Dixon
Producer: Tommy Dixon and Maryam Maruf

Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707

(Photo: Reggie Nelson. Credit: Sama Kai.)

WED 12:50 Witness History (w3ct4xjq)
[Repeat of broadcast at 08:50 today]

WED 13:00 BBC News (w1722qy561qwmk)
The latest five minute news bulletin from BBC World Service.

WED 13:06 The Newsroom (w1722tfyg1968r)
The world's Newsroom brings you global events as they happen

WED 13:30 BBC News Summary (w1722rrlxf7wy)
The latest two minute news summary from BBC World Service.

WED 13:32 Tech Life (w3ct4tq5)
[Repeat of broadcast at 20:32 on Tuesday]

WED 14:00 BBC News (w1722qy561r0cp)
The latest five minute news bulletin from BBC World Service.

WED 14:06 Newshour (w172209jpj7mm3)
Donald Trump faces new charges

Donald Trump faces four new criminal charges, including conspiracy to 'defraud the United States'. The former US President says it's a persecution - an 'un-American witch hunt'. Newshour looks at the legal implications.

Also on the programme: In the UK there is a warning that cuts to the overseas aid budget could directly lead to the deaths of thousands of women in the poorest countries of the world; and the plight of an Iranian woman - injured in anti-government protests who was heading over the border to get medical treatment.

(Photo: President Donald Trump visits American Red Cross National Headquarters in Washington, on July 30th 2020
Credit: Reuters)

WED 15:00 BBC News (w1722qy561r43t)
The latest five minute news bulletin from BBC World Service.

WED 15:06 HARDtalk (w3ct4p7r)
[Repeat of broadcast at 08:06 today]

WED 15:30 BBC News Summary (w1722rrlxfhd6)
The latest two minute news summary from BBC World Service.

WED 15:32 World Business Report (w3ct4zv2)
Russian drone strike threatens grain supply

Ukraine's main inland port, Izmail, has been hit by a drone strike weeks after Russia pulled out of an agreement that saw Ukrainian grain exported safely. Ukraine's Deputy Prime Minister has said the attack damaged 40,000 tons of grain planned for buyers in Africa, China and Israel. What impact is this having on the country and the wider economy.

As the coup in Niger continues, we ask how the global energy industry could be affected by the closure of borders in the world's seventh bigger producer of uranium ore.

And after the US had its credit rating downgraded from the highest AAA to AA+ by agency Fitch. We find out what this means for both the US government and its economy.

PHOTO CREDIT: Ukraine Prosecutor General's Office

WED 16:00 BBC News (w1722qy561r7vy)
The latest five minute news bulletin from BBC World Service.

WED 16:06 BBC OS (w17220vxq9qp9jk)
Trump indictment over 2020 election

Donald Trump is facing fresh criminal charges, this time in connection with his attempts to cling to power after losing the 2020 election. Mr Trump's campaign team has said the latest criminal charges against him amount to election interference. We explain the main points in the case against him and hear some reaction from his supporters.

Jamaica have knocked out one of the favourites at the women's football World Cup, Brazil. We hear from fans in Jamaica and Brazil.

We hear about the impact of extreme heat in Iran, floods in China and wildfires in Canada.

Following a coup in Niger a week ago, we find out what people have been experiencing there.

Presenter: James Reynolds.

(Photo: Former US President Donald J. Trump sits in the courtroom for his arraignment in New York Criminal Court in New York, New York, USA, 04 April 2023. Credit: by SETH WENIG/EPA-EFE/REX/Shutterstock)

WED 17:00 BBC News (w1722qy561rcm2)
The latest five minute news bulletin from BBC World Service.

WED 17:06 BBC OS (w17220vxq9qpf8p)
Trump indictment: Your questions answered

Donald Trump is facing fresh criminal charges, this time in connection with his attempts to cling to power after losing the 2020 election. Mr Trump's campaign team has said the latest criminal charges against him amount to election interference. Our correspondent in Washington answers audience questions about the charges and the process.

Following a coup in Niger a week ago, we find out what people have been experiencing there.

We explain the lawsuit against pop star Lizzo by three of her former dancers.

Presenter: James Reynolds.

(Photo: Special Counsel Jack Smith speaks to the media following the Department of Justice's indictment of former president Donald Trump on four felony counts regarding his role in efforts to overturn the 2020 presidential election, at a Department of Justice (DOJ) office in Washington, DC, USA, 01 August 2023. Credit: MICHAEL REYNOLDS/EPA-EFE/REX/Shutterstock)

WED 18:00 BBC News (w1722qy561rhcf)
The latest five minute news bulletin from BBC World Service.

WED 18:06 Outlook (w3ct4r3j)
[Repeat of broadcast at 12:06 today]

WED 18:50 Witness History (w3ct4xjq)
[Repeat of broadcast at 08:50 today]

WED 19:00 BBC News (w1722qy561rm3b)
The latest five minute news bulletin from BBC World Service.

WED 19:06 The Newsroom (w1722tfyg19xrj)
The world's Newsroom brings you global events as they happen

WED 19:30 BBC News Summary (w1722rrlxfzcq)
The latest two minute news summary from BBC World Service.

WED 19:32 Sport Today (w3ct440y)
2023/08/02 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 (w1722qy561rqvg)
The latest five minute news bulletin from BBC World Service.

WED 20:06 The Climate Question (w3ct5bk9)
[Repeat of broadcast at 22:06 on Sunday]

WED 20:30 BBC News Summary (w1722rrlxfng33v)
The latest two minute news summary from BBC World Service.

WED 20:32 Health Check (w3ct4pd8)
Henrietta Lacks' family settle lawsuit

Henrietta Lacks was only 31 years old when she died from cervical cancer in 1951. While she was in hospital in the USA, her cells were harvested without her knowledge which, since being replicated infinitely, have gone on to enable research into cancer, dementia and Parkinson's. As well as contributing to the development of vaccines for polio and COVID-19. Her family have fought for decades to get justice for the "stolen" cells, and this week reached a settlement with Massachusetts-based Thermo Fisher Scientific Inc.

The United Nations says we now live in the era of "global boiling". As temperatures continue to soar across the southern USA, the BBC's Health and Science Correspondent James Gallagher heads to a high-tech heated chamber in the UK, on a mission to find out how hot is too hot for our bodies to cope with.

In Sweden, dentist Dr Nivetha Natarajan Gavriilidou tells Claudia Hammond about her work using the bone structure of the jaw to predict how we might get shorter as we age. Could it lead to dentists working closer with GPs? It's a question we also put to our studio guest family doctor Ann Robinson. Who brings us new research from the USA that could lead to better treatment for children's runny noses. And potentially some good news if you're struggling to shave seconds off your 5KM PB. Could beating your time be down to your genes?

Presenter: Claudia Hammond
Producer: Clare Salisbury

WED 21:00 BBC News (w1722qy561rvll)
The latest five minute news bulletin from BBC World Service.

WED 21:06 Newshour (w172209jpj7nhv0)
What are the consequences of the Trump indictment for US democracy?

Donald Trump's campaign team has said the latest criminal charges against him amount to election interference. Mr Trump is due to appear in court on Thursday to face accusations of plotting to overturn the last presidential poll. His campaign described the allegations as an "un-American witch hunt", and likened them to the persecution inflicted in Nazi Germany and the Soviet Union. The indictment says Mr Trump knew he was lying when he complained of voter fraud.

Also in the programme: as Colombia prepares for an historic ceasefire with rebels, we speak to a government negotiator; and why are killer whales ramming boats in Spain?

(Photo: A woman holds a banner in front of the federal courthouse where former US President and Republican presidential candidate Donald Trump is expected later this week. US August 1, 2023. Credit: REUTERS/Jonathan Ernst)

WED 22:00 BBC News (w1722qy561rzbq)
The latest five minute news bulletin from BBC World Service.

WED 22:06 HARDtalk (w3ct4p7r)
[Repeat of broadcast at 08:06 today]

WED 22:30 BBC News Summary (w1722rrlxfngbm3)
The latest two minute news summary from BBC World Service.

WED 22:32 On the Podium (w3ct5hzm)
[Repeat of broadcast at 04:32 today]

WED 23:00 BBC News (w1722qy561s32v)
The latest five minute news bulletin from BBC World Service.

WED 23:06 The Newsroom (w1722smhqfn39r)
The world's Newsroom brings you global events as they happen

WED 23:20 Sports News (w1722lk0yxj34hw)
BBC Sport brings you all the latest stories and results from around the world.

WED 23:30 BBC News Summary (w1722rrlxfnggc7)
The latest two minute news summary from BBC World Service.

WED 23:32 World Business Report (w3ct4zxb)

Meta blocks news in Canada over new laws

Meta has begun blocking access to news on Facebook and Instagram in Canada in response to a new law requiring internet giants to pay news publishers. Technology journalist, Takara Small, spoke to the programme from Toronto.

The government in Chile wants to restrict the numbers of migrants coming into the country. Jane Chambers looks at how the tightening of border controls is now pushing more would-be migrants north to the US.

Europe-based plane maker Airbus, and the US space exploration firm Voyager Space, have announced a joint venture to develop a possible replacement to the International Space Station. Roger Hearing speaks to Clay Mowry, Chief Revenue Officer, at Voyager Space about the project.

THURSDAY 03 AUGUST 2023

THU 00:00 BBC News (w172z2qy561s6tz)

The latest five minute news bulletin from BBC World Service.

THU 00:06 The Documentary (w3ct5j1y)

[Repeat of broadcast at 12:06 on Saturday]

THU 01:00 BBC News (w172z2qy561sb13)

The latest five minute news bulletin from BBC World Service.

THU 01:06 Business Matters (w172yzznnhq2vzf)

Wheat prices soar as thousands of tonnes of grain destroyed

Roger Hearing is joined by Steven Bertoni in New York and Karen Lema in Manila to look at the big business and financial stories of the day.

Global grain prices have had a challenging day after Russian attacks on a Ukrainian port on the Danube river reportedly damaged tens of thousands of tonnes of supplies. Roger speaks to Marcelo Elizondo, Chairman of the International Chamber of Commerce in Argentina to discuss whether smaller exporters like Brazil and Argentina could step up to fill the gap.

Plus how is Canada reacting after Facebook and Google blocked their Canadian news feeds; government plans to tackle immigration in Chile and the US-American plan to build a new International Space Station.

THU 02:00 BBC News (w172z2qy561sgb7)

The latest five minute news bulletin from BBC World Service.

THU 02:06 The Newsroom (w172z2tfyg1brzf)

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

THU 02:30 BBC News Summary (w172z2rrlxngtlm)

The latest two minute news summary from BBC World Service.

THU 02:32 Assignment (w3ct4m7b)

Returning to Romania

Millions of people left Romania after it entered the EU in 2007. They were haemorrhaging doctors at such a rate they had to shut entire hospitals and losing so many builders they had to cancel major infrastructure projects. By 2015, nearly 20% of the population lived abroad. Now their government wants them to come home. They've doubled health care salaries, offered tax breaks to builders and dished out thousands of Euros in grants for returners who start up a business. And in 2023, with Romania projected to have one of the fastest growing economies in the EU, the migration tide could finally be turning.

Dr Tessa Dunlop travels to Transylvania to meet Alina, who was persuaded to leave the UK by a grant that helped her start up a leather clothing business. Adrian, co-owner of an app design company, relishes the high tech salary he can earn and the relatively low living costs in Romania. Dan, a foetal medicine specialist left the UK after nearly a decade working for the NHS, hoping to improve Romania's maternity wards. In some sectors, though, there are still shortages. Builder Ion can't find the Romanian talent he could easily recruit in Italy. Perhaps not enough has improved, yet, to tempt lower paid workers home.

Presenter: Dr Tessa Dunlop
Producer: Phoebe Keane
Editor: Penny Murphy
Production Coordinator: Helena Warwick-Cross
Mixed by: James Beard

(Image: Alina Morar returned to Romania to set up a leather

clothing company with the help of a government grant. Credit: BBC)

THU 03:00 BBC News (w172z2qy561sl2c)

The latest five minute news bulletin from BBC World Service.

THU 03:06 Outlook (w3ct4r3j)

[Repeat of broadcast at 12:06 on Wednesday]

THU 03:50 Witness History (w3ct4xjq)

[Repeat of broadcast at 08:50 on Wednesday]

THU 04:00 BBC News (w172z2qy561spth)

The latest five minute news bulletin from BBC World Service.

THU 04:06 The Newsroom (w172z2tfyg1c0gp)

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

THU 04:30 BBC News Summary (w172z2rrlxnh22w)

The latest two minute news summary from BBC World Service.

THU 04:32 The Food Chain (w3ct4v71)

This kid cooks

At what age should you start teaching children to cook, and why should you?

In this programme, Ruth Alexander meets children and young people who are talented in the kitchen, making the case for why it might be worth the time and the mess to trust them to make dinner.

We travel to the north-west of England to Sefton Carers Centre to meet Paige Jones, aged nine, who cares and cooks for her mum, Rachel, who has a health condition.

Food writer Jenny Chandler, who has authored two cookbooks for children, gives Ruth some tips about how she can get her three-year-old son engaged in the kitchen.

And Ruth meets the young cooking enthusiasts sharing their skills with others: Keffa Liona in Nairobi, Kenya, makes cooking videos with his younger brother, Kisali, which they post online; and Julian Frederick in Texas, United States, is - aged 15 - the CEO of Stepstool Chef, which provides video tutorials presented by children for children.

Presented by Ruth Alexander

Produced by Beatrice Pickup

(Image: Child stood on a stool in a kitchen, making houmous.)

THU 05:00 BBC News (w172z2qy561stkm)

The latest five minute news bulletin from BBC World Service.

THU 05:06 Newsday (w172z072cbfmkj5)

Donald Trump to appear in court

Donald Trump is due to appear in court on Thursday after prosecutors indicted the former US president for attempting to overturn the 2020 election.

The United States has ordered all non-emergency staff at its embassy in Niger to leave and has advised its nationals not to travel to the country.

And evacuations are ongoing on both sides of the US-Canada border as dangerous wildfires continue to spread in the Pacific Northwest.

THU 06:00 BBC News (w172z2qy561sy9r)

The latest five minute news bulletin from BBC World Service.

THU 06:06 Newsday (w172z072cbfmp89)

Donald Trump to appear in court on 6 January charges

Donald Trump is due to appear in court on Thursday after prosecutors indicted the former US president for attempting to overturn the 2020 election.

Also, Saudi Arabia is accused of 'sportswashing', and the British government recognises Islamic State atrocities against Yazidis as genocide.

THU 07:00 BBC News (w172z2qy561t21w)

The latest five minute news bulletin from BBC World Service.

THU 07:06 Newsday (w172z072cbfmt0f)

Donald Trump faces charges of election conspiracy in court

Donald Trump is due to appear in court on Thursday after prosecutors indicted the former US president for attempting to overturn the 2020 election.

North Korea has for the first time admitted that it is holding a US soldier who crossed the border into its territory last month.

And scientists claim a new mathematical model may predict future wars.

THU 08:00 BBC News (w172z2qy561t50)

The latest five minute news bulletin from BBC World Service.

THU 08:06 The Inquiry (w3ct4wd6)

Why is South Africa collapsing?

South Africa once had the most abundant and cheap electricity on the continent. Now, it is experiencing power blackouts. It's called loadshedding, the process by which the power company Eskom occasionally reduces the demand for electricity on the national grid.

For many South Africans this means no electricity for up to ten hours a day, almost every day. The result is disruption to everyday life, impacting on work, education, sanitation, food and heating.

In 1994 Nelson Mandela's African National Congress party promised a better life for all South Africans. So why is South Africa's infrastructure crumbling?

Contributors:

Duma Qgubule, economist and journalist
Thomas Mnguni, campaigner with Groundwork
Anton Eberhard, professor at the Power Futures Lab at the University of Cape Town
Lungile Mashele, energy economist

Presented by Audrey Brown

Produced by Louise Clarke

Researched by Anoushka Mutanda-Dougherty

Edited by Tara McDermott and Tom Bigwood

Technical producer Kelly Young

Production co-ordinator Brenda Brown

(Dressmaker Faieza Caswell sews under candlelight at her workplace in Cape Flats, South Africa. Credit: Esa Alexander/Reuters)

THU 08:30 BBC News Summary (w172z2rrlxnhk2d)

The latest two minute news summary from BBC World Service.

THU 08:32 Business Daily (w3ct4mzc)

Rebuilding Turkey after the earthquake

On Sunday 6 August 2023 it will be six months since the devastating event which killed more than 50,000 people, injured tens of thousands more, and left hundreds of thousands of people homeless.

For Business Daily, Victoria Craig travels to the worst affected region of Hatay. When President Erdoğan visited the disaster area back in February, he vowed to rebuild within a year, so can he keep that promise?

Victoria speaks to residents who are still waiting to hear about permanent homes.

And we ask whether new homes will be safe enough to survive another natural disaster?

Presenter: Victoria Craig

Producer: Gonca Tokyol

(Image: Reconstruction in Hatay)

THU 08:50 Witness History (w3ct4xd6)

Treehouse on the Berlin Wall

In the 1980s, a Turkish worker in Germany, Osman Kahlin, provoked controversy when he turned a patch of disputed land against the Berlin Wall into a makeshift farm.

The land was owned by East Germany, but lay on the Western side of the wall due to a quirk in the wall's hurried construction.

Kahlin fought a running battle with both East and West German police to keep hold of the land, and kitted it out with a fully functioning treehouse that became a local symbol of resistance to authority.

Alex Eccleston speaks to Osman's son, Mehmet. A Whistledown production for BBC World Service.

(Photo: Osman's treehouse. Credit: Schlemmer/ullstein bild via Getty Images)

THU 09:00 BBC News (w172z2qy561t9k4)

The latest five minute news bulletin from BBC World Service.

THU 09:06 The Newsroom (w172z2tfyg1cm6b)

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

THU 09:30 BBC News Summary (w172z2rrlxnhntj)

The latest two minute news summary from BBC World Service.

THU 09:32 Assignment (w3ct4m7b)

[Repeat of broadcast at 02:32 today]

THU 10:00 BBC News (w172z2qy561tf98)

The latest five minute news bulletin from BBC World Service.

THU 10:06 Unexpected Elements (w3ct4wjs)

The World Cup and hallucinogenic bananas

The World Cup has us looking at why women get more ACL injuries, how to avoid cracking under pressure, and why some animals play dead.

Also on the program we consider the pros and cons of Artificial Intelligence in Africa, whether the continent is turning to nuclear power, and if banana skins are hallucinogenic.

THU 11:00 BBC News (w172z2qy561tk1d)

The latest five minute news bulletin from BBC World Service.

THU 11:06 The Newsroom (w172z2tfyg1cvpl)

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

THU 11:30 BBC News Summary (w172z2rrlxnhx9s)

The latest two minute news summary from BBC World Service.

THU 11:32 The Food Chain (w3ct4v71)

[Repeat of broadcast at 04:32 today]

THU 12:00 BBC News (w172z2qy561tnsj)

The latest five minute news bulletin from BBC World Service.

THU 12:06 Outlook (w3ct4qnz)

The pasta dish that saved a basketballer's life

On the evening of 21 March 2016 the Belgian former basketballer Sebastien Bellin was ready for bed. Tired after travelling and with an empty stomach, it was only a friend's insistence they eat that he had anything at all. Three helpings of a rich pasta carbonara, the sort of pre-game meal he was used to having, would be the difference between life and death. The following morning, rushing to catch a flight Sebastien's legs were shattered and he lost half his blood when a bomb went off close to him. Fuelled by that carbohydrate-rich meal, he was able to fight his way to safety. But he was told he might never walk again. Lying in his hospital bed he vowed to recover and get back to playing sport. It took him five years, but incredibly, he attempted an Ironman endurance race in Hawaii and even stood face-to-face with the bombers.

Presenter: Mobeen Azhar
Producer: Edgar Maddicott

Get in touch: outlook@bbc.com or WhatsApp +44 330 678 2707

Photo: Sebastien Bellin crosses the finish line at the Kona Ironman, October 2022. Credit: Getty

THU 12:50 Witness History (w3ct4xd6)

[Repeat of broadcast at 08:50 today]

THU 13:00 BBC News (w172z2qy561tsjn)

The latest five minute news bulletin from BBC World Service.

THU 13:06 The Newsroom (w172z2tfyg1d35v)

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

THU 13:30 BBC News Summary (w172z2rrlxnj4t1)

The latest two minute news summary from BBC World Service.

THU 13:32 Health Check (w3ct4pd8)

[Repeat of broadcast at 20:32 on Wednesday]

THU 14:00 BBC News (w172z2qy561tx8s)

The latest five minute news bulletin from BBC World Service.

THU 14:06 Newshour (w172z09jpj7qk6)

Colombia ceasefire with rebel group begins

A ceasefire comes into effect today between Colombia's government and the left-wing ELN guerrilla group. The truce will be in force for 180 days, and will be monitored by the United Nations. If the ceasefire holds it will be the longest time the ELN has agreed to halt the conflict since 1964.

Also in the programme: former US president Donald Trump appears in court today over alleged attempts to overturn the last presidential election; and we speak to the singer Emel Mathlouthi who was cancelled by a music festival in Tunisia following concerts in Bethlehem, Ramallah and East Jerusalem.

(Picture: The president of Colombia Gustavo Petro, accompanied by commander of the ELN guerrilla, Antonio Garcia, and the president of Cuba Miguel Diaz Canel, shake hands during peace talks in Cuba in June. Credit: Mastrascusa/EPA)

THU 15:00 BBC News (w172z2qy561v10x)

The latest five minute news bulletin from BBC World Service.

THU 15:06 The Inquiry (w3ct4wd6)

[Repeat of broadcast at 08:06 today]

THU 15:30 BBC News Summary (w172z2rrlxnjd99)

The latest two minute news summary from BBC World Service.

THU 15:32 World Business Report (w3ct4zk1)

Tom Brady becomes Birmingham City minority owner

The 7 time Superbowl champion is the latest US celebrity to invest in a UK football team, and becomes chairman of a new advisory board for the club.

Birmingham City have recently been taken over by US Investment firm Knighthead Capital Management LLC.

Owner Tom Wagner says Brady show the club are "are setting the bar at world class".

(Tampa Bay Buccaneers quarterback Tom Brady (12) gets pumped up prior to the game against the Carolina Panthers at Raymond James Stadium. Credit: Kim Klement-USA TODAY Sports TPX IMAGES OF THE DAY/File Photo)

THU 16:00 BBC News (w172z2qy561v4s1)

The latest five minute news bulletin from BBC World Service.

THU 16:06 BBC OS (w172z0vxq9qs6fn)

Germany knocked out of World Cup

Two-time champions Germany have crashed out of the Women's World Cup group stages in the biggest shock of the tournament thanks to a draw with South Korea. It is the first time in Germany's history they have failed to reach the knockout stages. Germany needed to better Morocco's result against Colombia to progress in Group H, but that match finished 1-0 to Morocco. We hear from a fan in Germany and a fan in Morocco.

Donald Trump is due to appear in court on Thursday, accused of conspiring to change the result of the 2020 Presidential election, whilst he was still US President. He's expected to deny all the charges. We hear from our correspondent in Washington. We also speak to journalists in Turkey, Brazil and South Africa, where former leaders have been jailed about how the sentences have affected their popularity.

Tech shares in China have fallen because of the plans to limit smartphone use for children. We talk to parents about how they try to limit or even ban smartphones from their kids.

Tom Brady has become the latest high profile sports star to get involved with an English football club. We hear more from a football finance expert.

We speak to a student who asked Artificial Intelligence for a professional head shot for LinkedIn and was quite surprised.

Presenter: James Reynolds.

(Photo: Svenja Huth and Chantal Hagel (R) of Germany react following the FIFA Women's World Cup 2023 soccer match between South Korea and Germany at Brisbane Stadium in Brisbane, Australia, 03 August 2023. Germany did not qualify for the knockout stage. Credit: DARREN ENGLAND/EPA-EFE/REX/Shutterstock)

THU 17:00 BBC News (w172z2qy561v8j5)

The latest five minute news bulletin from BBC World Service.

THU 17:06 BBC OS (w172z0vxq9qsb5s)

Trump to appear in court over election charges

Donald Trump is due to appear in a federal court in Washington for allegedly plotting to overturn the twenty-twenty presidential election. He faces four counts, including conspiracy to defraud the United States. We speak to our correspondent outside the court.

There has been a rally in the capital Niamey in Niger in support of the coup that toppled the democratically elected government. We hear more from our Africa correspondent.

Tech shares in China have fallen because of the plans to limit smartphone use for children. We talk to parents about how they try to limit or even ban smartphones from their kids.

We explain what's behind Senegal's Tik Tok ban.

Presenter: James Reynolds.

(Photo: News trucks fill the sidewalk in front of the federal courthouse where former U.S. President and Republican presidential candidate Donald Trump is expected to answer charges after a grand jury returned an indictment of Trump in the special counsel's investigation of efforts to overturn his 2020 election defeat in Washington, U.S. August 2, 2023. Credit: Jonathan Ernst/Reuters)

THU 18:00 BBC News (w172z2qy561vd89)

The latest five minute news bulletin from BBC World Service.

THU 18:06 Outlook (w3ct4qnz)

[Repeat of broadcast at 12:06 today]

THU 18:50 Witness History (w3ct4xd6)

[Repeat of broadcast at 08:50 today]

THU 19:00 BBC News (w172z2qy561vj0f)

The latest five minute news bulletin from BBC World Service.

THU 19:06 The Newsroom (w172z2tfyg1dtnm)

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

THU 19:30 BBC News Summary (w172z2rrlxnjw8t)

The latest two minute news summary from BBC World Service.

THU 19:32 Sport Today (w3ct4swf)

2023/08/03 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 (w172z2qy561vmrk)

The latest five minute news bulletin from BBC World Service.

THU 20:06 Assignment (w3ct4m7b)

[Repeat of broadcast at 02:32 today]

THU 20:30 BBC News Summary (w172z2rrlxnk00y)

The latest two minute news summary from BBC World Service.

THU 20:32 Science In Action (w3ct4scm)

Bird Flu is back

Science in Action returns to H5N1, the fast spreading strain of bird flu which has caused devastation in the sky, sea, and land over the last few months, with no end in sight.

Roland visits Skomer Island and the coast of Wales where sea bird colonies are threatened and hundreds of guillemots have washed ashore dead, struck down by bird flu.

We also hear of outbreaks on Finnish fur farms where controversial plans are in progress for culls of wild birds, of mysterious infections of domestic cats in Poland, and bird flu causing brain swelling in grey seals.

Plus, we get an update on efforts to vaccinate condors in California against the disease.

Photo: Dead Guillemot
Credit: BBC

Presenter: Roland Pease
Producer: Ella Hubber

THU 21:00 BBC News (w172z2qy561vrhp)
The latest five minute news bulletin from BBC World Service.

THU 21:06 Newshour (w172z09jpj7rdr3)
Donald Trump appears in court

Security has been ramped up in Washington DC as Donald Trump arrives to face charges of trying to overturn the results of the 2020 election. The former president pleaded not guilty on four counts, including conspiracy to defraud the United States and to deny voters the right to have their ballots counted. We hear more about the judge ruling the case, Tanya Chutkan.

Also on the programme: Scientists discover a natural strain of bacteria which they say could help stop malaria passing from mosquitoes to humans, and what persuaded NFL star Tom Brady to invest in Birmingham City Football Club?

(Picture: A demonstrator carries a placard, as people gather on the day former U.S. President Donald Trump, who is facing federal charges related to attempts to overturn his 2020 election defeat, appears at the U.S. District Court in Washington D.C. Credit: Reuters)

THU 22:00 BBC News (w172z2qy561vw7i)
The latest five minute news bulletin from BBC World Service.

THU 22:06 The Inquiry (w3ct4wd6)
[Repeat of broadcast at 08:06 today]

THU 22:30 BBC News Summary (w172z2rrlrxnk7j6)
The latest two minute news summary from BBC World Service.

THU 22:32 The Food Chain (w3ct4v71)
[Repeat of broadcast at 04:32 today]

THU 23:00 BBC News (w172z2qy561vzzy)
The latest five minute news bulletin from BBC World Service.

THU 23:06 The Newsroom (w172z2smhqfr06v)
The world's Newsroom brings you global events as they happen

THU 23:20 Sports News (w172z1k0yxj61dz)
BBC Sport brings you all the latest stories and results from around the world.

THU 23:30 BBC News Summary (w172z2rrlrxnkc8b)
The latest two minute news summary from BBC World Service.

THU 23:32 World Business Report (w3ct4zm9)
Tech giants Amazon and Apple deliver results

The world's two biggest tech companies Apple and Amazon deliver their much anticipated latest results - we discuss what the numbers mean.

In India the government has announced restrictions on electrical goods such as laptops, tablets and phones - we look at the reasons why, and what impact the move could have.

And seven-time Super Bowl champion Tom Brady becomes the latest sporting legend to buy a share of a British soccer club - taking a minority stake in Birmingham City FC.

FRIDAY 04 AUGUST 2023

FRI 00:00 BBC News (w172z2qy561w3r2)
The latest five minute news bulletin from BBC World Service.

FRI 00:06 Unexpected Elements (w3ct4wjs)
[Repeat of broadcast at 10:06 on Thursday]

FRI 01:00 BBC News (w172z2qy561w7b6)
The latest five minute news bulletin from BBC World Service.

FRI 01:06 Business Matters (w172yzrnnhq5rwj)
Amazon and Apple serve up latest results

Tech giants Amazon and Apple have released their latest results, tech writer Alison van Diggelen in San Francisco and Sushma Ramachandran, a business journalist and columnist for The Tribune newspaper in New Delhi, join the programme to go over the numbers.

In India, the government is restricting imports of electronic items such as laptops, tablets and phones, we look at the reasons behind the decision and whether this could see the cost of such items rise in the country.

As part of our series on immigration we hear from the Argentine medical professionals leaving their homes and their country in search of better wages.

Three years on from the pandemic when Covid shut down international borders, Americans have rediscovered their love of vacationing abroad. Sam Fenwick speaks to Erika Richter, from the American Society of Travel Advisors (ASTA), about where Americans are travelling to and how much they're spending on their trips.

FRI 02:00 BBC News (w172z2qy561wc7b)
The latest five minute news bulletin from BBC World Service.

FRI 02:06 The Newsroom (w172z2tfyglfnwj)
The world's Newsroom brings you global events as they happen

FRI 02:30 BBC News Summary (w172z2rrlrxnkqh)
The latest two minute news summary from BBC World Service.

FRI 02:32 Tech Life (w3ct4tq5)
[Repeat of broadcast at 20:32 on Tuesday]

FRI 03:00 BBC News (w172z2qy561wzgz)
The latest five minute news bulletin from BBC World Service.

FRI 03:06 Outlook (w3ct4qnz)
[Repeat of broadcast at 12:06 on Thursday]

FRI 03:50 Witness History (w3ct4xd6)
[Repeat of broadcast at 08:50 on Thursday]

FRI 04:00 BBC News (w172z2qy561wlql)
The latest five minute news bulletin from BBC World Service.

FRI 04:06 The Newsroom (w172z2tfyglfxc)
The world's Newsroom brings you global events as they happen

FRI 04:30 BBC News Summary (w172z2rrlrxnkzyz)
The latest two minute news summary from BBC World Service.

FRI 04:32 Heart and Soul (w3ct4pjs)
Online spiritual communities

A doctor in New York, Anjoli has been longing for a space to practise spirituality within a like-minded community, but she does not want to go to her parents' Hindu temple. Whilst she likes the rituals and the sense of community, she feels torn over the teachings about race and caste. She's one of a flock of people signing up to an online community called The Nearness - a group brought together by people with Divinity School backgrounds who yearn for a community where they can explore big spiritual questions, but outside the confines of tradition religion.

The Nearness meets once a week in small groups and the founders have devised rituals and questions that help the groups on their own spiritual journeys and practice. The Nearness grew out of co-founder Casper ter Kuile's personal struggles. He went to Divinity School and started the process of becoming ordained as a Unitarian Minister. He began to feel that it wasn't for him, even though he still considers the possibility of ordination. Alec Gewirtz also co-founded The Nearness. He never became fully involved with his family's Jewish faith and yet has a strong desire for the sense of community that comes with religion.

Research suggests that many millennials are hungry for spiritual communities but wary of mainstream religious ones, so they are trying to create their own. But is it possible to do this in a lasting way, without the history, traditions and rituals of an

established faith? Can this generation, which is so comfortable with the internet and innovation, create what they need – their own spiritual community outside of the confines of traditional religion?

Producer/presenter: Nastaran Tavakoli-Far
Editor: Helen Grady
Production co-ordinator: Mica Nepomuceno

FRI 05:00 BBC News (w172z2qy561wqgq)
The latest five minute news bulletin from BBC World Service.

FRI 05:06 Newsday (w172z072cbfkgf8)
Donald Trump pleads not guilty to election charges

Former US President Donald Trump has pleaded not guilty in a Washington DC court to conspiring to overturn his 2020 election defeat.

Indian police are maintaining a strong presence in a mainly Muslim part of Haryana state where violence has left at least six people dead since Monday.

And scientists have found a naturally occurring strain of bacteria, which can help stop the transmission of malaria from mosquitoes to humans.

FRI 06:00 BBC News (w172z2qy561wv6v)
The latest five minute news bulletin from BBC World Service.

FRI 06:06 Newsday (w172z072cbfql5d)
Trump pleads not guilty to 2020 election charges

Former US President Donald Trump has pleaded not guilty in a Washington DC court to conspiring to overturn his 2020 election defeat.

Niger's newly installed military regime has promised an immediate response to any "aggression or attempted aggression" by West African countries.

And Hangzhou Zoo in China denies its sun bears are humans in costume.

FRI 07:00 BBC News (w172z2qy561wyyz)
The latest five minute news bulletin from BBC World Service.

FRI 07:06 Newsday (w172z072cbfqpjxj)
Trump says 'very sad day for America' after court appearance

Donald Trump has pleaded not guilty to charges that he conspired to overturn the results of the 2020 election.

Niger's newly installed military regime has promised an immediate response to any "aggression or attempted aggression" by West African countries.

And reports that Russia's electronic warfare systems are jamming Ukraine's counter-offensive.

FRI 08:00 BBC News (w172z2qy561x2q3)
The latest five minute news bulletin from BBC World Service.

FRI 08:06 HARDtalk (w3ct4nyq)
Imran Khan: Is Pakistan heading for political chaos?

Stephen Sackur speaks to the former prime minister of Pakistan, Imran Khan. He was ousted from power last year but thinks he can stage a comeback in elections scheduled for the autumn. Is Pakistan facing a period of political chaos?

FRI 08:30 BBC News Summary (w172z2rrlrxnlzfz)
The latest two minute news summary from BBC World Service.

FRI 08:32 Business Daily (w3ct4mpb)
The price for Mexican heritage

We look into Mexico's drive to get historical artefacts returned. Find out more about a famous quetzal feather crown believed to have been worn by the great Aztec emperor Moctezuma, it is currently in Austria and we hear from those who want to keep it there, and those campaigning for its return.

Presenter / producer: Beth Timmins
Image: Moctezuma's headdress; Getty Images

FRI 08:50 Witness History (w3ct4x7n)
Dinosaur in court

In 2012 a dinosaur skeleton became the subject of both a restraining order and a court case.

Mongolian palaeontologist, Dr Bolortsetseg Minjin helped stop the dinosaur falling into the hands of a private buyer after spotting a photo of the skeleton on TV in the United States.

The case became known as United States v One Tyrannosaurus Bataar Skeleton.

She told Gill Kearsley her extraordinary story.

(Photo: The 70-million-year-old Tyrannosaurus bataar on display in Ulan Bator. Credit: Byambasuren Byamba-Ochir/AFP via Getty Images)

FRI 09:00 BBC News (w172z2qy561x6g7)

The latest five minute news bulletin from BBC World Service.

FRI 09:06 The Newsroom (w172z2tfyg1gj3f)

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

FRI 09:30 BBC News Summary (w172z2rrlxnlkqm)

The latest two minute news summary from BBC World Service.

FRI 09:32 Science In Action (w3ct4scm)

[Repeat of broadcast at 20:32 on Thursday]

FRI 10:00 BBC News (w172z2qy561xb6c)

The latest five minute news bulletin from BBC World Service.

FRI 10:06 The Real Story (w3ct4q70)

The coup in Niger: Why does it matter?

Soldiers in the West African country of Niger announced a coup on national TV last week, saying they had dissolved the constitution, suspended all institutions and closed all borders. The coup was widely condemned, including by France, the UN and West African regional body ECOWAS.

Niger was seen as the last solid ally of the West in the Sahel region. It's also a country seen as vital to U.S. counter-terrorism efforts in Africa. There are concerns that the security situation in Niger and across the Sahel could deteriorate further. President Bazoum's government has been a partner to European countries trying to stop the flow of migrants across the Mediterranean Sea, agreeing to take back hundreds of migrants from detention centres in Libya. He has also cracked down on human traffickers in what had been a key transit point between other countries in West Africa and those further north.

On the programme this week, we look at why Niger matters and how the coup could be making a troubled region even more fragile. Why did the presidential guards turn on the man they were hired to protect? How did France squander its historic advantage in a Francophone country? Will this coup make the citizens of Niger safer — or are the only winners the armed groups who roam the Sahel? Could the crisis in Niger spread into a wider regional conflict?

Shaun Ley is joined by:

Paul Melly, consulting fellow at the Africa programme at Chatham house

Idayat Hassan, senior associate for the Africa program of the Centre for Strategic and International Studies and director of the Centre for Democracy and Development

Ebenezer Obadare, senior fellow of African studies at the Council on Foreign Relations

Also featuring:

Rama Yade, director of the Africa Centre at the Atlantic Council

Chris Ogunmondede, editor of the pan-African international affairs publication The Republic

Photo: Supporters of General Abdourahamane Tchiani rally in Niamey, Niger - 30 Jul 2023. Credit: ISSIFOU DJIBO/EPA-EPE/REX/Shutterstock

Produced by Max Horberry and Ellen Otzen

FRI 11:00 BBC News (w172z2qy561xfyh)

The latest five minute news bulletin from BBC World Service.

FRI 11:06 The Newsroom (w172z2tfyg1grlp)

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

FRI 11:30 BBC News Summary (w172z2rrlxnl6w)

The latest two minute news summary from BBC World Service.

FRI 11:32 Heart and Soul (w3ct4pjs)

[Repeat of broadcast at 04:32 today]

FRI 12:00 BBC News (w172z2qy561xkpm)

The latest five minute news bulletin from BBC World Service.

FRI 12:06 The Fifth Floor (w3ct4v08)

Beirut port explosion: 3 years on

Beirut's devastating port explosion killed more than 200, and injured thousands, but three years on, while neighbourhoods have largely returned to normal the families of victims are still waiting for answers. BBC Arabic's Carine Torbey spoke to three people directly affected by the explosion about their experiences and perspectives.

Why being a 'pure vegetarian' got Sudha Murty into trouble
Sudha Murty is married to one of the richest men in India and mother-in-law to the British Prime Minister. But she recently sparked debates with comments about vegetarianism on a popular TV food programme, with her claim to being a 'pure vegetarian' offending many. From BBC Delhi, Geeta Pandey joins us to explore why vegetarianism can be such a controversial topic in India.

Ibrat Safo: finding my Ukrainian nanny
When the Russian invasion of Ukraine began, BBC journalist Ibrat Safo's first thought was for Natasha, the Ukrainian nanny who had cared for him as a baby in Uzbekistan. He decided to try and find her, and after more than a year, finally tracked her down.

Iran's hijab problem

Efforts to enforce hijab rules in Iran have stepped up recently, with businesses being shut down, and women convicted of breaking the rules given bizarre sentences by courts, like being compelled to receive psychotherapy, or washing corpses. BBC Monitoring Iranian journalist Sonia has been following the story.

Myanmar's new banknote

The military regime in Myanmar has just issued a new banknote worth 20,000 kyat, just less than \$10. It bears the image of a white elephant, and its issue coincided with the unveiling of an enormous statue of Buddha in the capital Naypyidaw. BBC Burmese editor Soe Win Than explains the significance of the imagery and the timing.

(Photo: Lebanese army member by damaged grain silo, Beirut port blast site (August 7, 2020). Credit: Reuters/Mohamed Azakir/File Photo)

FRI 12:50 Witness History (w3ct4x7n)

[Repeat of broadcast at 08:50 today]

FRI 13:00 BBC News (w172z2qy561xfpr)

The latest five minute news bulletin from BBC World Service.

FRI 13:06 The Newsroom (w172z2tfyg1h02y)

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

FRI 13:30 BBC News Summary (w172z2rrlxnm1q4)

The latest two minute news summary from BBC World Service.

FRI 13:32 Science In Action (w3ct4scm)

[Repeat of broadcast at 20:32 on Thursday]

FRI 14:00 BBC News (w172z2qy561xt5w)

The latest five minute news bulletin from BBC World Service.

FRI 14:06 Newshour (w172z09jpj7tgf9)

World's oceans hit record high temperatures

Scientists say the average surface temperature of the world's oceans is at a record high - it's now **20.96** degrees Celsius compared to the previous record of **20.95** in 2016 - the numbers come from the EU's climate change service, Copernicus. So why is it happening and why does it matter? We speak to Dr Samantha Burgess, the Deputy Director of the Copernicus Climate Change Service

Also on the programme: a husband and wife cyber crime team plead guilty to attempting to launder \$4.5bn of Bitcoin; and the Edinburgh play about the prolific serial killer Harold Shipman. (Picture: Dead fish lie on the beach in Chumphon, Thailand June 22, 2023. Credit: Kantaphong Thakoonjiranon /via

REUTERS)

FRI 15:00 BBC News (w172z2qy561xxy0)

The latest five minute news bulletin from BBC World Service.

FRI 15:06 HARDtalk (w3ct4nyq)

[Repeat of broadcast at 08:06 today]

FRI 15:30 BBC News Summary (w172z2rrlxnm96d)

The latest two minute news summary from BBC World Service.

FRI 15:32 World Business Report (w3ct4z80)

Canada cancels bid for 2030 Commonwealth Games

Alberta in Canada has withdrawn its bid to host the 2030 Commonwealth Games. It follows a decision last month by the Australian state of Victoria to pull out of hosting the 2026 Commonwealth Games. Both say that the event is simply too expensive - and would cost as much as \$2bn. We speak to the CEO of the 2022 Birmingham Commonwealth Games about the impact of this.

An amateur rapper and her husband have pleaded guilty to trying to launder \$4.5bn (£3.5bn) of Bitcoin that he had stolen in a hack in 2016. Heather "Razlekhan" Morgan and Ilya Lichtenstein were arrested last year in New York. We find out how they manged that heist.

And we look at "Emancipence" celebrations in Jamaica as it come to a climax. The day commemorates the abolition of slavery in not just Jamaica but the British Empire. We hear what this day has meant for the economic development of Jamaica.

FRI 16:00 BBC News (w172z2qy561y1p4)

The latest five minute news bulletin from BBC World Service.

FRI 16:06 BBC OS (w172z0vxq9qw3br)

Ocean heat record broken

Researchers say the average global sea temperature has reached its highest recorded level. It reached **20.96C** which is far above the average for this time of year. Our climate and science reporter explains the implications.

A day of mourning is being held in the Lebanese capital Beirut to mark the third anniversary of a huge explosion in the city's port that killed more than 200 people.

Austria's conservative Chancellor Karl Nehammer wants the right to use cash enshrined in the constitution. We hear some views on the proposal from around the world.

We hear about an expedition by a group driving from Accra in West Africa to London.

We talk about direct action by climate activists after protesters climbed onto the roof of the British prime minister's home on Thursday.

Presenter: James Reynolds

(Photo: Undated handout photo issued by Oceana of European edible sea urchin (Echinus esculentus) and kelps (Laminaria hyperborea) in Aberdeenshire, Scotland. Credit: Carlos Minguell/Oceana/PA Wire)

FRI 17:00 BBC News (w172z2qy561y5f8)

The latest five minute news bulletin from BBC World Service.

FRI 17:06 BBC OS (w172z0vxq9qw72w)

Russia: Navalny sentenced for further 19 years

Alexei Navalny was found guilty of founding and funding an extremist organisation and activities. He denies the charges. We get more from BBC Monitoring.

Researchers say the average global sea temperature has reached its highest recorded level. It reached **20.96C** which is far above the average for this time of year. Our climate and science reporter explains the implications.

We talk about the future of the Commonwealth Games with our sport reporter and two athletes after the Canadian province of Alberta withdrew its support for a bid to host the Games in 2030. Last month the Australian hosts of the next Games in 2026 announced they were pulling out.

We hear from music fans who are talking about "obstructed view" or "listening only" tickets at Taylor Swift and Beyonce's recent tours.

After Donald Trump's court appearance on Thursday, we speak to our correspondent in Washington about the coverage and what happens next.

Presenter: James Reynolds.

(Photo: Russian opposition politician Alexei Navalny, his lawyers Olga Mikhailova and Vadim Kobzev and other participants appear on a screen via video link during an external hearing of the Moscow City Court in the criminal case against Navalny on numerous charges, including the creation of an extremist organization, at the IK-6 penal colony in Melekhovo in the Vladimir region, Russia, August 4, 2023. Credit: Evgenia Novozhenina/Reuters)

FRI 18:00 BBC News (w172z2qy561y95d)

The latest five minute news bulletin from BBC World Service.

FRI 18:06 The Fifth Floor (w3ct4v08)

[Repeat of broadcast at 12:06 today]

FRI 18:50 Witness History (w3ct4x7n)

[Repeat of broadcast at 08:50 today]

FRI 19:00 BBC News (w172z2qy561ydxj)

The latest five minute news bulletin from BBC World Service.

FRI 19:06 The Newsroom (w172z2tfyg1hqkq)

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

FRI 19:30 BBC News Summary (w172z2rrlxnms5x)

The latest two minute news summary from BBC World Service.

FRI 19:32 Sport Today (w3ct4sqx)

2023/08/04 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 (w172z2qy561yjnn)

The latest five minute news bulletin from BBC World Service.

FRI 20:06 BBC OS Conversations (w3ct5b23)

Living through a coup

Niger has been the focus of international and diplomatic attention over the past week after its democratically elected president was removed from power by the military. In recent days, we have seen hundreds of foreign nationals leave the West African country.

For most people in Niger though it is about trying to get on with life – amid the uncertainty – in a country that consistently ranks as having the lowest standards of living anywhere in the world. Host James Reynolds hears from two friends in Niger, Sadissou and Sidien, who share their different perspectives on events.

Joe, Saadiyah and Esther all experienced coups as children. Esther tells us about what happened when soldiers invaded her family home in Ghana: “You hear the sounds of soldiers and gunfire and they break into our home and ransack the entire house.”

Joe recalls the 1981 coup attempt in Spain and Saadiyah shares her memories of the 1999 coup in Pakistan. Both have vivid memories of TV broadcasts at the time and the – seemingly inevitable – military marches that were played.

We also hear from two journalists who have experienced coups in their countries. Omar Wally from the Gambia and Ouezin Louis Oulon, a journalist in Burkina Faso, give us an insight into the dangers of covering coups and how social media channels are increasingly important for would-be leaders.

A joint production between the BBC OS team and Boffin Media.

(Photo: Daily life in Niamey following military coup, Niger - 02 Aug 2023. Credit: ISSIFOU DJIBO/EPA-EFE/REX/Shutterstock)

FRI 20:30 BBC News Summary (w172z2rrlxnmwy1)

The latest two minute news summary from BBC World Service.

FRI 20:32 CrowdScience (w3ct4y4c)

Is the 'sunshine cure' a real thing?

Imagine spending six months of every year living in total shade. That's what life is like for residents of the Norwegian town of Rjukan, set so low in a valley that they see no direct sunshine at all from October to March.

Marnie Chesterton heads there to hear about an ingenious solution: giant mirrors that beam rays down into the town square, where locals gather to feel the reflected heat.

The man behind the project was motivated by a need for winter sun – but how much difference does it really make to our health and happiness? That's the question posed by this week's CrowdScience listener Michael, who has noticed living in the rainy Australian city of Melbourne is taking its toll.

Many pensioners claim sunshine relieves achiness as well as conditions like arthritis but one of the biggest scientific studies found temperature has no real impact on reported pain levels, while factors like air pressure and humidity may play a role.

When it comes to our mood, it seems that spending time outside is more important than feeling the heat. The optimum temperature for wellbeing is around a cool 19 degrees centigrade, while excessive warm weather has been linked to an increase in violence and crime.

You can watch a visualisation of this episode on YouTube: Is the 'sunshine cure' a real thing? - CrowdScience, BBC World Service podcast - YouTube

Producer: Marijke Peters

Presenter: Marnie Chesterton

Editor: Richard Collings

Production Coordinator: Jonathan Harris

Contributors:

Dr Anna Beukenhorst, University of Manchester
Professor Oscar Ybarra, University of Illinois
Professor Solomon Hsiang, University of California, Berkeley
Martin Andersen, artist

(Image: Young woman enjoying sunset. Credit: Muriel De Seze/ Getty Images)

FRI 21:00 BBC News (w172z2qy561ynds)

The latest five minute news bulletin from BBC World Service.

FRI 21:06 Newshour (w172z09jpj7v9n6)

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

FRI 22:00 BBC News (w172z2qy561ys4x)

The latest five minute news bulletin from BBC World Service.

FRI 22:06 HARDtalk (w3ct4nyq)

[Repeat of broadcast at 08:06 today]

FRI 22:30 BBC News Summary (w172z2rrlxnn4f9)

The latest two minute news summary from BBC World Service.

FRI 22:32 Heart and Soul (w3ct4pjs)

[Repeat of broadcast at 04:32 today]

FRI 23:00 BBC News (w172z2qy561ywx1)

The latest five minute news bulletin from BBC World Service.

FRI 23:06 The Newsroom (w172z2smhqftx3y)

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

FRI 23:20 Sports News (w172z1k0yxj8yb2)

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

FRI 23:30 BBC News Summary (w172z2rrlxnn85f)

The latest two minute news summary from BBC World Service.

FRI 23:32 World Business Report (w3ct4zb8)

First broadcast 04/08/2023 21:32 GMT

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