

**SATURDAY 27 NOVEMBER 2021****SAT 00:00 BBC News (w172xzjww46522f)**

The latest five minute news bulletin from BBC World Service.

**SAT 00:06 The Real Story (w3ct1htd)**

Hunger in Afghanistan: Time to work with the Taliban?

It has been 100 days since the Taliban returned to power in Afghanistan and the country is on the brink of a humanitarian crisis. More than half of the country's 39 million people face acute food insecurity as prices skyrocket. Severe drought, the pandemic and the damage caused by decades of war have all helped to bring the economy to its knees. With winter approaching the World Food Programme has warned that Afghans are at risk of being isolated from life-saving assistance. Previously international aid represented around 40% of the country's GDP, but since the Taliban takeover the World Bank, the IMF, and the United States have cut off access to more than \$9.5 billion in foreign reserves and loans. With the banking system frozen, aid organisations are struggling to pay their staff on the ground and calls for the United States and its allies to ease sanctions are growing. The international community is now asking itself whether it is possible to prevent the Afghan people from starving while at the same time minimising any benefits to a repressive Taliban leadership.

Ritula Shah is joined by a panel of experts.

Producers: Junaid Ahmed, Paul Schuster and Marie Sina.

**SAT 01:00 BBC News (w172xzjww4655tk)**

The latest five minute news bulletin from BBC World Service.

**SAT 01:06 World Business Report (w172xzljrldjszt)**

More countries impose travel bans on Southern Africa

(Image: Travellers walk near an electronic flight notice board displaying cancelled flights at OR Tambo International Airport in Johannesburg. Credit: Getty Images)

**SAT 01:30 BBC News Summary (w172xzkq9vsvk2y)**

The latest two minute news summary from BBC World Service.

**SAT 01:32 WorklifeIndia (w3ct2f4d)**

Should children learn to code at a young age?

Algorithms drive most industries today, from medicine to manufacturing, finance and even the legal profession. Everyone uses code that makes their work – and lives – easier.

It's a lucrative career option, especially here in India, and tech-savvy kids are getting into coding in increasingly large numbers. Children as young as 5 to 7 years old are learning to write code, and even build apps. In India, the new national education policy has also tried to give a big push to coding at junior school level, calling it a "skill of the future".

But is there a hidden cost to be paid by starting coding so early? Is there an ideal age when young people can start learning to code? In this edition of WorklifeIndia, we discuss whether children should learn to code at a young age.

Presenter: Devina Gupta

Contributors: Shivansh Gupta, coder; Vikrant Singh Rana, coder; Anshul Bhagi, CEO, Camp K12; Dr Upasana Chaddha, psychologist

**SAT 02:00 BBC News (w172xzjww4659kp)**

The latest five minute news bulletin from BBC World Service.

**SAT 02:06 The Newsroom (w172xyxthb7xjy)**

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

**SAT 02:30 BBC News Summary (w172xzkq9vsvv2)**

The latest two minute news summary from BBC World Service.

**SAT 02:32 Stumped (w3ct1lcf)**

Tim Paine and Australia's cricketing crisis

With less than two weeks to go until the men's Ashes begins Alison Mitchell, Geoff Lemon and Charu Sharma react to Tim Paine stepping down as Australia captain, how it was handled and what this means for the team going forward.

Plus we are joined by South Africa all-rounder Marizanne Kapp who will be playing in the final of the WBBL with Perth Scorchers. She shares her experience of joining the Scorchers after six years with the Sydney Sixers, tells us how her experience of winning the inaugural Hundred competition will help her in the final, how the competitions compare and shares

her thoughts on former South Africa captain AB de Villiers decision to retire.

Photo: Tim Paine looking solemn (Photo by Michael Dodge/Getty Images)

**SAT 03:00 BBC News (w172xzjww465f9t)**

The latest five minute news bulletin from BBC World Service.

**SAT 03:06 The Fifth Floor (w3ct20fx)**

The challenges of filming at altitude

Many communities in India's northern Ladakh region are experiencing water shortages because of shrinking glaciers. BBC India team Aamir Peerzada and Neha Sharma went to report on how people in one village, Kumik, have ended up building a new settlement close to a river. It turned out to be an eventful trip.

**Bodybuilding in the Arab world**

Bodybuilding is a popular pastime for men throughout the Arab world, but what does it take to achieve the muscle development that bodybuilders strive for, and why do they see it as perfection? Hossam Fazulla of BBC Arabic has been investigating.

**Young carers in South Korea**

A 22-year-old Korean man has been sentenced to four years in prison for failing to care for his sick father. His story has started a big debate about what's expected of young people in South Korea, as the BBC's Julie Yoonnyung Lee explains.

**The Brazilian farmer turning desert into forest**

BBC Brasil's Joao Fellet loves gardening and planting trees, and one of his heroes is farmer Ernst Gotsch, who has transformed eroded and semi-arid land into new forests. So when his editor asked for positive ideas about environmental conservation, he leapt at the chance to see Ernst Gotsch's work with his own eyes.

**Highway kidnappings in Nigeria**

The highway linking the capital Abuja to the city of Kaduna has become notorious for armed kidnappings. The latest took place last weekend. Meanwhile the railway connecting the two cities, which many passengers took as the safe option, has been attacked for the first time. BBC Africa's Chris Ewokor has been following both stories.

(Photo: BBC reporters next to a stream in Ladakh, northern India. Credit: Aamir Peerzada and Neha Sharma)

**SAT 03:50 Witness History (w3ct1wzj)**

The assassination of the Mirabal sisters

The three Mirabal sisters were leading figures in the Dominican Republic's opposition movement against the dictator, General Rafael Trujillo. Patria, Maria Teresa and the most prominent of the three, Minerva, were all killed on the 25th of November 1960. They were dragged from their car and beaten to death on the orders of General Trujillo. Their murders sparked outrage in the Caribbean country, and are thought to have been a motivating factor in the assassination of Trujillo himself six months later. In 2016, Rebecca Kesby spoke to Minerva's daughter, Minou Tavarez Mirabal, who explained why her mother and aunts were called 'the butterflies' and how to this day people still decorate their houses with three butterflies in tribute to them.

Photo: The three Mirabal Sisters, Patria, Minerva and Maria Teresa (Credit: Mirabal family collection)

**SAT 04:00 BBC News (w172xzjww465k1y)**

The latest five minute news bulletin from BBC World Service.

**SAT 04:06 The Real Story (w3ct1htd)**

[Repeat of broadcast at 00:06 today]

**SAT 05:00 BBC News (w172xzjww465nt2)**

The latest five minute news bulletin from BBC World Service.

**SAT 05:06 The Newsroom (w172xyxthb88sb)**

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

**SAT 05:30 BBC News Summary (w172xzkq9vsv12g)**

The latest two minute news summary from BBC World Service.

**SAT 05:32 Trending (w3ct2yqp)**

The Denial Files

6. How bad information polluted the climate debate

Setting the record straight on some of the most common misleading narratives and tactics to explore what future climate change battlegrounds might look like. We look at how fossil fuel interest groups use division as a distraction: either stoking fear that action to tackle climate change will hurt the poor, or attacking the messengers who raise the alarm. And we take you back to the start of 2021, when blackouts in Texas which killed hundreds were misleadingly blamed on wind turbines. The idea that renewables, like solar or wind power, are dangerously unreliable has been a common theme. What's the truth behind the claim? And how does bad information surface after extreme weather events and times of climate crisis?

**SAT 05:50 Ros Atkins on ... (w3ct2dp7)**

Migrant crossings to the UK

France and Britain are caught up in disagreements over who needs to do what to stop any more people dying on small boats crossing between the two countries. 27 people were killed in the English Channel on Wednesday, hoping to migrate to the UK. Even after the tragedy, people continue to attempt the dangerous journey in unsafe dinghies. Ros Atkins looks into this political and humanitarian issue.

(Photo: An inflatable craft carrying migrant men, women and children crosses the shipping lane in the English Channel off the coast of Dover, England. Credit: Dan Kitwood/Getty Images)

**SAT 06:00 BBC News (w172xzjww465sk6)**

The latest five minute news bulletin from BBC World Service.

**SAT 06:06 Weekend (w172xytjgwxj59)**

New Covid variant is classed 'of concern'

The World Health Organization (WHO) has declared a new coronavirus variant to be "of concern" and named it Omicron. It has a large number of mutations, and early evidence suggests an increased reinfection risk, the WHO said.

A number of countries around the world have now decided to ban or restrict travel to and from southern Africa, as it was first reported to the WHO from South Africa.

Also in the programme: why Russia's supreme court is hearing arguments on the liquidation of one of the country's oldest and most prominent human rights groups and we celebrate the life of one of the great figures of American theatre - the composer, Stephen Sondheim - who has died.

Joining Paul Henley to discuss these and other issues are Michaela Kuefner, chief political editor of Deutsche Welle, Germany's international TV channel, and Simon Robinson, global managing editor for the news publisher, Reuters.

(Picture shows a woman receiving a jab from a pair of hands. Credit: Reuters)

**SAT 07:00 BBC News (w172xzjww465x9b)**

The latest five minute news bulletin from BBC World Service.

**SAT 07:06 Weekend (w172xytjgwxj9kf)**

New coronavirus 'variant of concern' declared

A new coronavirus variant has been designated a "variant of concern" by the World Health Organisation.

The new variant, first reported by South Africa, has a spike protein that's dramatically different from the one in the original 2020 coronavirus. It could be weeks before it's known whether vaccines will be effective against it.

Also in the programme, the human cost of this week's migrant boat disaster off the coast of France and the diplomatic row that is brewing between Paris and the UK, the BBC's Yalda Hakim remarks on the changes that have been seen in Afghanistan as it marked 100 days of Taliban rule, and analysis of Germany's new "traffic-light coalition" between the Social Democrats, the Greens, and the liberal Free Democrats.

Joining Paul Henley to discuss these and other issues are Michaela Kuefner, chief political editor of Deutsche Welle, Germany's international TV channel, and Simon Robinson, global managing editor for the news publisher, Reuters.

(Picture shows a black health worker wearing a face mask as he walks past a taxi in Soweto, South Africa on 26 November 2021. Credit: REUTERS/Siphiwe Sibeko).

**SAT 08:00 BBC News (w172xzjww4661lg)**

The latest five minute news bulletin from BBC World Service.

**SAT 08:06 Weekend (w172xytjwxf9k)**

Concern over possible new variant spread

Governments around the world are rushing to restrict travel from southern African countries, as they attempt to contain a new coronavirus variant.

The World Health Organisation said early evidence suggests the variant Omicron - as it's been named - carries a higher risk of reinfection, but warned against bringing in travel bans too quickly. South Africa, where the variant was first identified, has criticised the restrictions as draconian.

Also in the programme; in Turkey, the number of women who experience domestic violence and the rate of femicide is rising. We'll hear from the director of a film on the issue as crowds take to the streets to highlight it.

Joining Paul Henley to discuss these and other issues are Michaela Kuefner, chief political editor of Deutsche Welle, Germany's international TV channel, and Simon Robinson, global managing editor for the news publisher, Reuters.

(Picture: Passengers travelling from South Africa queue to be tested for coronavirus after being held on the tarmac at Schiphol Airport. Credit: Reuters)

**SAT 08:30 BBC News Summary (w172xzkq9vswd9v)**

The latest two minute news summary from BBC World Service.

**SAT 08:32 The Conversation (w3ct1p9g)**

An assistance dog changed my life

Women from Brazil and the UK tell Nora Fakim how assistance dogs are improving both their mobility and wellbeing.

Maria Villela lives and works in Brazil. She has glaucoma and was blind by the time she left university. As guide dogs are rare in Brazil, ten years ago Maria decided to email every international guide dog school she could to try and get an assistance animal. She was finally partnered with her dog Spirit through Guide Dogs of the Desert, USA. She says although she lived an independent life before getting her dog, Spirit has given her peace.

Alice Moore-Simmons has brittle bones, a rare condition called Ehlers Danlos syndrome and Postural Tachycardia Syndrome (POTS) which causes her blood pressure to drop very suddenly. Alice was given her first assistance dog, Bella, through the charity Dogs for Good, when she was 15 years old. More recently she's been partnered with Winter who's trained to look out for signs of Alice passing out, makes sure she has her medication, helps her get dressed, fetches and picks things up. Alice says Winter helps calm her anxiety and gives her confidence.

Produced by Jane Thurlow

(Image: (L) Maria Villela and her dog Spirit, credit Maria Villela. (R) Alice Moore-Simmons and her dog Winter, courtesy Dogs For Good)

**SAT 09:00 BBC News (w172xzjww4664sl)**

The latest five minute news bulletin from BBC World Service.

**SAT 09:06 BBC OS Conversations (w3ct2d6p)**

Coronavirus: Europe's unvaccinated

The World Health Organisation has been sounding the alarm about the path of the pandemic in Europe, as Covid infections and deaths continue to rise across parts of the continent. Affected countries are listening and responding: mandatory vaccines, vaccine passports and movement restrictions on the unvaccinated are dominating the debate in several European countries. In this episode we bring together people who are resisting or refusing to get the jab. Germany is one of those affected countries and its outgoing health minister has said that by the end of winter "pretty much everyone in Germany will be vaccinated, recovered or dead." Jacob in Frankfurt told us: "I would call it discrimination against the unvaccinated... you need a test for everything: to go the restaurant, to go the gym in some places".

Host James Reynolds also hears from two students in Austria and Germany who - due to the country's decision to introduce mandatory vaccination from February 2022 - are unhappy at being forced to get the jab.

(Photo: People wait in front of a vaccination center in Landshtut, Germany, 24 November 2021. In its efforts to break the fourth wave of the ongoing pandemic Bavaria imposes stricter protocols. Credit: EPA/PHILIPP GUELLAND)

**SAT 09:30 BBC News Summary (w172xzkq9vswj1z)**

The latest two minute news summary from BBC World Service.

**SAT 09:32 The Explanation (w3ct2z3j)**

Israel and Palestine

How did the relationship between Israel and Palestine reach its current point? Jeremy Bowen talks to Anu Anand about the backstory behind the headlines.

**SAT 09:50 Over to You (w3ct112d)**

The reality of war and our ability to comprehend

The documentary Regarding the Pain of Others hears Allan Little address the gulf between the reality of war and our ability to comprehend it from afar. A listener queries whether correspondents parachuted in can tell the full story. Plus your feedback on when Hardalk met Star Trek legend George Takei.

Presenter: Rajan Datar

Producer: Howard Shannon

**SAT 10:00 BBC News (w172xzjww4668jg)**

The latest five minute news bulletin from BBC World Service.

**SAT 10:06 Sportshour (w172y0q9t5cnpkc)**

Dean Du Plessis on the frightening impact of hearing loss

The world's only blind cricket commentator - Dean du Plessis - tells us he is now losing his hearing and discusses the impact it is having on his life and career. Du Plessis says not being able to hear properly is more frightening to him than the sky dive he completed in 2007 and the journey he took on the back of a motorbike that was travelling around three hundred kilometres an hour. Du Plessis is Zimbabwe's most recognised voice in cricket but says he may need to consider moving to a country where conditions are better for blind people. However, he is staying positive and he even sings a bit of his favourite band - Def Leppard - for us.

Thalea Smidt joins us in the week her team - Mamelodi Sundowns - completed an historic treble, including them winning the first ever Women's African Champions League. The midfielder tells us becoming champions of the continent is amazing and the reality of the achievement is still sinking in. She also believes the South African sides success could open the door for more girls and women to play football in Africa and discusses how some of her team-mates overcame the doubts of their own families to become footballers.

One of the world's best netballers Lenize Potgieter speaks to Sportshour's Maz Farookhi about her decision to temporarily make herself unavailable for selection for the South Africa national squad, after the team's doctor diagnosed her with a major depressive disorder. Potgieter discuss her relief at her diagnosis and why she went public with her struggles.

In Sporting Witness, we go back to 2009 and remember when Zenyatta became the first - and only - mare to win the Breeders Cup Classic, one of the most prestigious horse races in America. Zenyatta was hugely popular with the public; she was as well-known for her dance moves in the paddock as she was for coming from behind to snatch victory at the last moment.

And on a busy day of sport, we discuss the Women's Big Bash League final with Melinda Farrell, Tim Vickery looks ahead to the Copa Libertadores final, Jonathan Overend is at the Emirates ahead of Arsenal's game against Newcastle United in the Premier League and Jamie Broughton brings us the latest from the UK Snooker Championship.

(Image: JEKESAI NJIKIZANA/AFP via Getty Images)

**SAT 11:00 BBC News (w172xzjww4668v)**

The latest five minute news bulletin from BBC World Service.

**SAT 11:06 The Newsroom (w172xyxthb9083)**

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

**SAT 11:30 BBC News Summary (w172xzkq9vswrk7)**

The latest two minute news summary from BBC World Service.

**SAT 11:32 WorklifeIndia (w3ct2f44)**

[Repeat of broadcast at 01:32 today]

**SAT 12:00 BBC News (w172xzjww466j0z)**

The latest five minute news bulletin from BBC World Service.

**SAT 12:06 The Documentary (w3ct2zhb)**

Changing country music

Of Billboard's 2019 top 50 country artists, only one was black. Four were women. None of them were black women. Now, with country music under the spotlight as it never has been before, is it finally moving beyond its white, male image?

Americana-folk singer Lady Nade explores the roots of country and Americana and its debt to black music, and reflects on her own place in a genre that is only now starting to confront its history.

Image: Lady Nade (Credit: Arthur René Walwin)

**SAT 13:00 BBC News (w172xzjww466m3)**

The latest five minute news bulletin from BBC World Service.

**SAT 13:06 Newshour (w172xv5gfkfpm2q)**

Covid: New race to contain Omicron variant

Countries around the world are racing to introduce travel bans and restrictions on southern African countries in an effort to contain a new variant of Covid-19, called Omicron. The moves come after the variant was officially named by health officials. But there is a huge economic cost - we will speak to the South African tourism minister

The legendary US composer and songwriter Stephen Sondheim has died aged 91.

Can the Iran nuclear deal be revived? Talks begin again next week - we will hear from the US special envoy for Iran.

Also, a report from a rural health clinic in Afghanistan

(Photo: Only about 24% of South Africans have been fully vaccinated so far. Credit: Reuters)

**SAT 14:00 BBC News (w172xzjww466rj7)**

The latest five minute news bulletin from BBC World Service.

**SAT 14:06 Sportsworld (w172y0tll2sfd81)**

Live Sporting Action

We'll have full match commentary from Anfield as Liverpool look to stay in touch at the top of the Premier League as they host Southampton. We'll have reports from the two other games kicking off at 1500 GMT and reaction to Eddie Howe's first game in the dugout in charge of Newcastle against Arsenal at the Emirates.

Former Manchester United, West Ham and USA defender Jonathan Spector, former Arsenal, Chelsea and England midfielder Katie Chapman and former DR Congo Captain Gabriel Zakuani will be with Lee James from 1400 GMT to discuss the week's big football stories.

We'll also be at Madison Square Garden as unified lightweight world champion Teofimo Lopez looks to make the first defence of his WBA, WBO and IBF titles against George Kambosos Jr.

Photo: Liverpool midfielder Thiago pursues Nathan Redmond of Southampton. (Credit: Visionhaus/Getty Images)

**SAT 18:00 BBC News (w172xzjww4677hr)**

The latest five minute news bulletin from BBC World Service.

**SAT 18:06 The Newsroom (w172xyxthb9vh0)**

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

**SAT 18:30 BBC News Summary (w172xzkq9vswxsl4)**

The latest two minute news summary from BBC World Service.

**SAT 18:32 Trending (w3ct2yqp)**

[Repeat of broadcast at 05:32 today]

**SAT 18:50 Sporting Witness (w3ct1195)**

Zenyatta

In November 2009, Zenyatta became the first - and only - mare to win the Breeders Cup Classic, one of the most prestigious horse races in America. Undeclared in all but one of her races, Zenyatta became wildly popular with the public; she was as well-known for her dance moves in the paddock as she was for coming from behind to snatch victory at the last moment. Zenyatta's jockey, Mike Smith, talks to Jonathan Holloway. The programme is a Made-In-Manchester Production.

PHOTO: Zenyatta and Mike Smith in action in 2010 (Getty Images)

**SAT 19:00 BBC News (w172xzjww467c7w)**

The latest five minute news bulletin from BBC World Service.

**SAT 19:06 The Evidence (w3ct2zqh)**

Coronavirus: The Evidence

Healthcare pushed out by the pandemic

As all eyes have been on the virus, other serious killer diseases took a backseat.

Resources and staff were diverted, lockdowns were common all over the world and a very real fear of Covid-19 kept people away from clinics and hospitals.

Claudia Hammond and her expert panel from Africa, Asia, Europe and Latin America look at the devastating impact of the pandemic on illnesses other than Covid, on global killers like tuberculosis, polio, measles and HIV/Aids.

And they hear that the worldwide disruption to cancer care will inevitably lead to late diagnoses, late-stage cancer treatment and more deaths.

Dr Ramya Ananthkrishnan runs REACH, which supports, cares for and organises treatment for TB patients in Chennai, India's fourth most populous city. She tells Claudia about how hard the pandemic hit the work they do.

Claudia's guests include Dr Abeeba Kamarulzaman, Professor of Medicine and Infectious Diseases at the University of Malaya in Kuala Lumpur, Malaysia and the President of the International Aids Society; Dr Lucica Ditiu, respiratory physician originally from Romania, Executive Director of the Stop TB Partnership, Geneva, Switzerland; Dr Balcha Masresha, coordinator of the measles and rubella programmes for the World Health Organisation in Brazzaville, Congo and cancer physician Dr Carlos Barrios, Director of the Latin American Clinical Oncology Research Group from Brazil.

Producer: Fiona Hill and Maria Simons  
Studio Engineer: Bob Nettles

(Image: Sputum culture, Credit: Steve Gschmeissner/Science Photo Library/Getty Images)

**SAT 20:00 BBC News (w172xzjww467h00)**

The latest five minute news bulletin from BBC World Service.

**SAT 20:06 The Arts Hour (w3ct1rtx)**

On tour in Lisbon

The Arts Hour is back on tour in Lisbon, Portugal. Nikki Bedi will be hearing about what makes Lisbon's culture rich and unique.

She also discusses how the arts community is dealing with the long term impact of the pandemic, as Lisbon opens up after strict Covid-19 restrictions, as well as looking at how the arts are addressing the country's colonial past.

There is live music from the multi award winning Dino d'Santiago. We hear about Lisbon's love affair with Fado music from top fadista Carminho.

Lúcia Moniz, winner of this year's Portuguese Golden Globe award for best actress, tells us about the country's film industry.

Leading novelist Dulce Maria Cardoso explains why she feels it is important to interweave Portugal's colonial and political past into her novels.

Musician and activist Selma Uamusse takes us on a personal Culture Cab tour of Lisbon.

And there is comedy from the award winning Bumba na Fofinha.

The programme was recorded at the Cineteatro Capitólio.

Producer Andrea Kidd

(Photo: Carminho, Credit: BBC)

**SAT 21:00 BBC News (w172xzjww467ir4)**

The latest five minute news bulletin from BBC World Service.

**SAT 21:06 Newshour (w172xv5gfkfql1r)**

New Covid variant cases detected in Europe

A growing list of countries have imposed travel restrictions on South Africa, after the detection of a new Covid variant called Omicron. Multiple cases of the variant have been detected around the world in nations such as Belgium, Germany, Israel, Botswana, Hong Kong and Britain.

Also in the programme: a look ahead to elections in Honduras; and protests in Burkina Faso.

(Photo: A vial and a syringe are seen in front of a displayed South Africa flag. CREDIT: REUTERS/Dado Ruvic/Illustration)

**SAT 22:00 BBC News (w172xzjww467qh8)**

The latest five minute news bulletin from BBC World Service.

**SAT 22:06 The Newsroom (w172xyx022qn117)**

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

**SAT 22:20 Sports News (w172y0ss4c5s2nw)**

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

**SAT 22:30 BBC News Summary (w172xzkq9vsv2rn)**

The latest two minute news summary from BBC World Service.

**SAT 22:32 The Cultural Frontline (w3ct1ptl)**

The air that we breathe: Scent artist Anicka Yi

As Covid and climate change make us conscious of our breathing, our sense of smell, and the air around us: how the arts considers the very air that we breathe.

Korean-born, leading international artist Anicka Yi on creating work that 'sculpts' the air using smells, and her new installation, In Love With The World - in which flying machines called aerobes fill the air with scent.

Plus, how opera, lullabies, and breathwork are helping Covid patients breathe more easily. We hear how English National Opera's ENO Breathe has brought long Covid sufferers together online to sing lullabies to help in their recovery. Datsihane Navanayagam speaks to Jenny Mollica, a Director at the ENO, singing specialist Suzi Zumpe, and participant Sharon Sullivan.

Writer Qiu Xiaolong on his crime fiction about air pollution in China. At COP26 China came under scrutiny for its reluctance to end its use of coal. Qiu Xiaolong tells us how he is so concerned about the air in his home country, he based the 10th instalment of his best-selling Inspector Chen crime series, Hold Your Breath China, on the air pollution problem.

Producer: Emma Wallace

(Photo: Lung Shape Leaf Skeleton, Credit: Getty Images)

**SAT 23:00 BBC News (w172xzjww467v7d)**

The latest five minute news bulletin from BBC World Service.

**SAT 23:06 Music Life (w3ct1hecy)**

The writing room with Kirby, Gallant, Baby Rose and Durand Bernarr

Four of the most exciting names in contemporary R&B - Kirby, Gallant, Baby Rose and Durand Bernarr - discuss the secrets of their craft, from being vulnerable enough to expose what they're going through in the writing room, to thinking of music as candle scents.

Kirby started her career by setting herself the challenge of writing a song a day on YouTube - 302 days later she signed to Jay Z's label Roc Nation, and since then she has penned music for Ariana Grande, Beyonce, Jennifer Lopez, and she co-wrote the smash hit FourFiveSeconds with Kanye West, Rihanna, and Paul McCartney.

Gallant is an LA-based artist who released his Grammy-nominated debut album in 2016. He's worked with former Music Life host Adrian Young, 6LACK, and Jhene Aiko; his latest project, Neptune, marks his first release as an independent artist.

Also joining the discussion are Baby Rose, an Atlanta-based singer-songwriter who has been tipped as "the new voice of R&B", and Durand Bernarr, one of the most in-demand artists and producers in the world of soul and R&B. He has worked with the likes of Anderson .Paak, The Internet, Thundercat and Kaytranada, and he dropped his full-length album DUR& in 2020.

**SUNDAY 28 NOVEMBER 2021****SUN 00:00 BBC News (w172xzjww467yzj)**

The latest five minute news bulletin from BBC World Service.

**SUN 00:06 BBC OS Conversations (w3ct2d6p)**

[Repeat of broadcast at 09:06 on Saturday]

**SUN 00:30 BBC News Summary (w172xzkq9vsvb7x)**

The latest two minute news summary from BBC World Service.

**SUN 00:32 Trending (w3ct2yqp)**

[Repeat of broadcast at 05:32 on Saturday]

**SUN 00:50 Over to You (w3ct1l2d)**

[Repeat of broadcast at 09:50 on Saturday]

**SUN 01:00 BBC News (w172xzjww4682qn)**

The latest five minute news bulletin from BBC World Service.

**SUN 01:06 The Science Hour (w3ct1yw5)**

Deliberately doomed dart

d dart

Science in Action

DART is a space mission designed to hit a distant asteroid and knock it slightly out of orbit. It's a test mission, a pilot project for a way of potentially protecting the earth from a stray asteroid. We hear from mission coordinators Nancy Chabot and Andy Rivkin, both from the Applied Physics Labs, APL, of Johns Hopkins University.

A new kind of Covid-19 vaccine has successfully undergone preliminary tests. Tuebingen University's Juliane Walz tells us about how it hopes to stimulate a longer lasting protective effect against the virus than current vaccines.

And Haley Randolph of Chicago University sheds light on how our ancient ancestors' exposure to viruses influences our susceptibility today.

Historian Robert Schulmann gives us an insight into the significance of research notes by Albert Einstein and Michele Besso. Sold at auction in France the notes give an insight into the collaboration between the two scientists which led to much of what we now understand about the fundamentals of physics.

And, in most cultures, the soundtrack to our lives is one of optimism. We're told to aim for the stars, dream big and believe that tomorrow will definitely be a better day. But why do so many people subscribe to the cult of 'glass half full' when life's hardships should make any reasonable person a bit more wary?

Listener Hannah from Germany - a self-described pessimist - is intrigued as to whether the alternative, optimistic way of life is really the best way to be. Cheerily taking on the challenge is ray of sunshine Marnie Chesterton, who finds out why 80% of the population have an optimism bias and how the ability to hope and take risks may have helped the human species get where it is today. She also meets a man who pushes the optimistic outlook to its very limits - BASE jumping world champion, Espen Fadnes. Listener Hannah on the other hand looks into the psychology of pessimism to find out if there are any advantages to her less rose-tinted view on life - and whether the culture we grow up in shapes how realistically we see the world.

We ask whether optimism or pessimism is the answer to a happy life.

Image: NASA's DART Spacecraft Launches in World's First Planetary Defense Test Mission  
Credit: NASA/Bill Ingalls

**SUN 02:00 BBC News (w172xzjww4686gs)**

The latest five minute news bulletin from BBC World Service.

**SUN 02:06 The Newsroom (w172xyxthbtgt1)**

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

**SUN 02:30 BBC News Summary (w172xzkq9vsvkr5)**

The latest two minute news summary from BBC World Service.

**SUN 02:32 Health Check (w3ct1nw7)**

Covid cases across Europe

James Gallagher, BBC health and science correspondent, examines Covid case rates across Europe.

A report on a new study documenting the incidence of Typhoid in three capital cities - Blantyre, Malawi and Kathmandu, Nepal, for the first time - plus updated estimates in Dhaka, Bangladesh. Claudia discusses the role of antibiotic resistance and gets an update on a new vaccine for the disease.

Remembering Professor Sir Michael Rutter, 'the father of child psychiatry' who died recently.

And can house work help your memory?

Presenter: Claudia Hammond  
Producer: Erika Wright

(Picture: A crowded street in Brussels, Belgium in November 2021. Photo credit: Dursun Aydemir/Anadolu Agency/Getty images.)

**SUN 03:00 BBC News (w172xzjww468b6x)**

The latest five minute news bulletin from BBC World Service.

**SUN 03:06 The Documentary (w3ct2zhh)**

[Repeat of broadcast at 12:06 on Saturday]

**SUN 04:00 BBC News (w172xzjww468fz1)**

The latest five minute news bulletin from BBC World Service.

**SUN 04:06 From Our Own Correspondent (w3ct1mvt)**

The son also rises

The Philippines is a giant: a huge, sprawling nation with more than 110 million people. It's been ruled by many dynasties, both local and foreign, and spent centuries as a colony, first of the Spanish Empire and then of the United States. These days it's a lively, multi-party democracy, and in May 2002 it will pick a new President and parliament. But how new will they really be? Some of the leading candidates have familiar surnames: scions of both the Duterte and the Marcos families are in the race. Howard Johnson reports from Manila.

Chile too is in the process of choosing a president. The first round of voting whittled down the list from seven contenders to two – Jose Antonio Kast and Gabriel Boric. The contest seems to be boiling down to a face-off between the hard right and hard left. Jane Chambers talked to voters in Santiago about what they want for the country's future – and found it can often depend on how they feel about its past ....

David Shukman has worked for the BBC for nearly 39 years – and is about to reach the end of his time as its Science Editor. As the world wrangles over how best to respond to climate change, he looks back on how he's seen the science and the politics of the issue move with the times over years of international summits – and the physical changes which he's witnessed around the world on field trips with climate scientists.

And Antonia Quirke revels in the particular charm of Tinos – a Greek island which was often described as "devout and downbeat" – even by neighbouring islanders. But that reputation is changing, with an all-time surge of new visitors during 2021, very few of them going only for the traditional pilgrimages to its church and shrines. Might its famously gusty winds blow in more tourists than it can handle? Pascale Harter introduces stories from around the world.

(Photo: Former Senator Ferdinand "Bongbong" Marcos Jr, son of the late dictator Ferdinand Marcos, poses for the media together with his family in Manila after filing his candidacy to join the 2022 presidential race. Credit: Rouelle Umali/Getty Images)

**SUN 04:30 BBC News Summary (w172xzkq9vsyt7f)**

The latest two minute news summary from BBC World Service.

**SUN 04:32 The Cultural Frontline (w3ct1ptl)**

[Repeat of broadcast at 22:32 on Saturday]

**SUN 05:00 BBC News (w172xzjww468kq5)**

The latest five minute news bulletin from BBC World Service.

**SUN 05:06 The Newsroom (w172xyxthtbc5pf)**

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

**SUN 05:30 BBC News Summary (w172xzkq9vsyzk)**

The latest two minute news summary from BBC World Service.

**SUN 05:32 The Documentary (w3ct2zqv)**

Drone academy: Reaching for the sky

Memory Sidira is buzzing with excitement as she talks about what she is learning during her course at Malawi's Drone and Data Academy - the first of its kind in Africa. The Academy's aim is to build local expertise for Malawi's expanding drone industry and to teach young Africans from across the continent

21st Century skills in drone flight and data analysis. Ruth Evans hears how drones are inspiring young Africans like Memory to reach for the sky.

After completing the first course run by the Drone and Data Academy last year, 24-year-old Debra Duwa Matambalika is doing her dream job, working as a drone pilot delivering essential medicines to remote rural areas. Thumbiko Zingwe is another former graduate of the Academy – but he is not just reaching for the sky; His goal is to set up Malawi's very own space programme to help address critical development issues on the ground. He has a futuristic vision of Malawi's skies being full of drones - "like a semi-Wakanda" in his favourite superhero film Black Panther. The technology, he believes, will leapfrog one of the poorest countries on earth into the 21st Century: "It's the beginning of a beautiful story that will have a beautiful ending."

**SUN 06:00 BBC News (w172xzjww468pg9)**

The latest five minute news bulletin from BBC World Service.

**SUN 06:06 Weekend (w172xytjqwxm2qd)**

Israel to impose travel ban over new Covid variant

Israel is to ban foreigners from entering the country for 14 days and use surveillance to halt the spread of the new Covid strain.

The ban is expected to come into effect at midnight on Sunday. We'll hear from an Israeli epidemiologist and adviser to the government about the decision.

Also in the programme: an African public health expert tells us how the spread of the new variant is highlighting the importance of global vaccine equity, how the pandemic has left many Australian businesses without enough staff, and the importance of aid in Afghanistan.

Joining Paul Henley to discuss these and other issues are Alev Scott, a Turkish-British writer and journalist, and Kishore Mahbubani, a Singaporean writer and former Ambassador to the United Nations.

Picture shows a passenger with a facemask partially covering their nose and mouth standing in front of signs at Tel Aviv's airport. Credit: Reuters.

**SUN 07:00 BBC News (w172xzjww46816f)**

The latest five minute news bulletin from BBC World Service.

**SUN 07:06 Weekend (w172xytjqwxm6gj)**

Israel to ban foreigners from entering over Covid

The new Omicron strain of Coronavirus has been detected across Europe, with cases confirmed in Germany, Italy, Belgium, the Czech Republic and the UK.

Israel is to ban foreigners from entering the country for 14 days and use surveillance to halt the spread of the new Covid strain.

Also in the programme: New research suggests that fiction authors are writing shorter sentences now because their writing style is becoming more heavily influenced by social media. We hear from Dick Pound, a senior official of the IOC, addressing the wellbeing of Chinese tennis star, Peng Shuai.

Nazir Razak, a leading Malaysian financier and brother of Najib Razak, Malaysia's former prime minister, talks about his family's central involvement in some of the key moments of Malaysia's history.

Joining Paul Henley to discuss these and other issues are Alev Scott, a Turkish-British writer and journalist, and Kishore Mahbubani, a Singaporean writer and former Ambassador to the United Nations.

Photo shows a healthcare worker taking a swab sample from a woman to test for the coronavirus disease in Brussels. Credit: Reuters.

**SUN 08:00 BBC News (w172xzjww468xyk)**

The latest five minute news bulletin from BBC World Service.

**SUN 08:06 Weekend (w172xytjqwxm6bn)**

New variant cases found in several countries

The new Omicron strain of coronavirus has been detected in several countries, with cases confirmed across Europe and Australia.

Israel is to ban foreigners from entering the country for 14 days and use surveillance in an attempt to halt the spread of the new Covid strain.

Also in the programme: Swiss voters are going to the polls to decide whether to get rid of some internal coronavirus regulations and the Portuguese government has banned bosses from text-messaging and emailing staff outside contracted working hours.

Joining Paul Henley to discuss these and other issues are Alev Scott, a Turkish-British writer and journalist, and Kishore Mahbubani, a Singaporean writer and former Ambassador to the United Nations.

Picture shows used Covid-19 rapid tests in a coronavirus test centre Credit: Reuters.

**SUN 08:30 BBC News Summary (w172xzkq9vsz96y)**

The latest two minute news summary from BBC World Service.

**SUN 08:32 The Food Chain (w3ct1rgm)**

Gabriella D'Cruz: Global Youth Champion

Gabriella D'Cruz, from Goa, wants to improve diets, transform livelihoods, and protect the planet using an often-overlooked marine vegetable - seaweed.

Ruth Alexander speaks to the 29-year-old about her big plans for the underwater crop, and her hope that it could bring lasting economic and environmental change to India's coastal communities.

Gabriella's passion and her project's potential saw her chosen by a panel of international judges as the winner of The Food Chain Global Youth Champion Award 2021.

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

Producer: Simon Tulett

Contributors:

Gabriella D'Cruz, founder of The Good Ocean; Ismahane Elouafi, chief scientist at the Food and Agriculture Organisation of the United Nations.

(Picture: Gabriella D'Cruz in the sea holding a basket of seaweed. Credit: Gabriella D'Cruz/BBC)

**SUN 09:00 BBC News (w172xzjww4691pp)**

The latest five minute news bulletin from BBC World Service.

**SUN 09:06 From Our Own Correspondent (w3ct1mvt)**

[Repeat of broadcast at 04:06 today]

**SUN 09:30 BBC News Summary (w172xzkq9vszd2)**

The latest two minute news summary from BBC World Service.

**SUN 09:32 Outlook (w3ct1kxw)**

Pollen detective: Forensics' secret weapon

Professor Patricia Wiltshire is a leading forensic ecologist and botanist. For the last 25 years she has helped solve some of the UK's most serious crimes including a number of the country's most high-profile murder cases. To do this she uses her vast knowledge of plant science, finding clues to the crimes in microscopic grains of pollen and spores. She's written a book called *Traces: Every body leaves a mark*. This episode was first broadcast on 3rd August 2019.

Presenter: Emily Webb

Producer: Thomas Harding Assinder

Image: pollen under high-powered photomicrographic magnification  
Credit: BSIP/Universal Images Group via Getty Images

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

**SUN 10:00 BBC News (w172xzjww4695ft)**

The latest five minute news bulletin from BBC World Service.

**SUN 10:06 Deeply Human (w3ct051j)**

Deeply Human

The standing line

The standing line evokes strong feelings about justice. Breaking what we see as the rules for waiting in line can arouse anger, and even violence, in a way that feels totally out of proportion to the length of our wait.

Dessa finds out what queuing theory can reveal about social

status and hidden power dynamics, and why the serpentine line in her local supermarket is a good thing.

(Image: A queue. Credit: Getty Images)

**SUN 10:30 BBC News Summary (w172xzkq9vszjq6)**

The latest two minute news summary from BBC World Service.

**SUN 10:32 Heart and Soul (w3ct2zh9)**

Turning of the bones

To celebrate the lives of loved ones after they have passed away is nothing new. Many communities cling to memories, stories and anything else that makes them feel as close as possible to those who have died.

For the Malagasy people, an Austronesian ethnic group native to the island country of Madagascar, this desire to remain close to lost loved ones is viewed in a more literal sense with a funerary tradition known as Famadihana - the turning of the bones.

With the belief that the spirits of the dead only finally join the world of the ancestors after the body's complete decomposition, this ceremony involves exhuming the bodies of loved ones, replacing the silk cloth wrapped around them, and celebrating their lives as they are once again laid to rest. Volana Razafimanantsoa explores the shifting spiritual landscape amongst the Malagasy people in the 21st Century, joining a family celebrating their loved ones and discovering what the future holds for one of their most cherished traditions.

(Photo: Isabel Malala Razafindrakoto carries the wrapped body of her son, who died aged three, as she takes part in a funerary tradition called the Famadihana. Credit: Rijasolo/AFP/Getty Images)

**SUN 11:00 BBC News (w172xzjww46995y)**

The latest five minute news bulletin from BBC World Service.

**SUN 11:06 The Newsroom (w172xyxthbex56)**

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

**SUN 11:30 BBC News Summary (w172xzkq9vszngb)**

The latest two minute news summary from BBC World Service.

**SUN 11:32 The Compass (w3ct2z3g)**

One Hundred Years of Exile

How do refugee crises end?

Katy Long hears stories from refugees who have returned to their homeland, to those who have been resettled, and to those who are still in limbo, she examines how does a refugee crisis end.

(Photo: Afghan refugees seen during a protest outside the UNHCR office for various demands, 24 August, 2021, New Delhi, India. Credit: Sanjeev Verma/Hindustan Times/Getty Images)

**SUN 12:00 BBC News (w172xzjww469dy2)**

The latest five minute news bulletin from BBC World Service.

**SUN 12:06 The Evidence (w3ct2zqh)**

[Repeat of broadcast at 19:06 on Saturday]

**SUN 13:00 BBC News (w172xzjww469jp6)**

The latest five minute news bulletin from BBC World Service.

**SUN 13:06 Newshour (w172xv5gfkfshzt)**

Covid: Will current vaccines be effective against Omicron variant?

As global concern mounts over the spread of the Omicron coronavirus variant, the biotech firm Moderna says it's racing to develop a new vaccine – and should know soon whether its current jab is still effective. We have an interview with the medical director of the US pharmaceutical company Moderna, Dr Paul Burton.

European ministers are meeting in France today to discuss how to deter migrants from risking their lives by trying to reach Britain in small boats.

Also, the film director Ridley Scott on his new film based on the dramas of the Gucci family.

(Photo credit: Getty Images)

**SUN 14:00 BBC News (w172xzjww469nfb)**

The latest five minute news bulletin from BBC World Service.

**SUN 14:06 The Forum (w3ct1rm4)**

Laskarina Bouboulina, the mother of modern Greece

The 1821 Greek war for independence from the Ottoman empire became an inspiration for people all over Europe who wanted to dismantle the old multi-ethnic empires. But it is less well known that a number of women played key roles in the uprising. In this programme, Bridget Kendall and guests focus on Laskarina Bouboulina, perhaps the best known of Greek women freedom fighters. For the last two centuries, Bouboulina's deeds as a brave sea captain and a generous financier of the uprising have enthralled people in Greece and elsewhere but how many of these stories are based in fact? And what is the significance of Bouboulina today?

To find out Bridget is joined by:

Dr. Margarite Poulos, a historian of modern Greece from Western Sydney University whose book *Arms and the Women* surveys the role of Greek women in the country's military struggles;

Dr. April Kalogieropoulos Householder from University of Maryland, Baltimore County, who has not only written about Laskarina Bouboulina but also made a documentary film about her;

and Pavlos Demertzis-Bouboulis, who is a descendant of Bouboulina as well as the director of a museum dedicated to her on the island of Spetses.

[Image: Portrait of Laskarina Bouboulina, 1830, by Adam Friedel. From the collection of Bouboulina Museum, Spetses. Credit: Fine Art Images/Heritage Images/Getty Images]

**SUN 14:50 More or Less (w3ct2dkz)**

Simpson's Paradox: How to make vaccinated death figures misleading

Vaccines are the best way to stop deaths and serious cases related to covid19, this is an irrefutable fact. However, recent ONS data seems to show that vaccinated people had a higher all cause death rate than unvaccinated people. Why is this data misleading? Here's a clue: it's to do with a quirky statistical phenomenon called Simpson's Paradox.

(Image: The Simpsons/TCFFC )

**SUN 15:00 BBC News (w172xzjww469s5g)**

The latest five minute news bulletin from BBC World Service.

**SUN 15:06 Music Life (w3ct1hev)**

[Repeat of broadcast at 23:06 on Saturday]

**SUN 16:00 BBC News (w172xzjww469wxl)**

The latest five minute news bulletin from BBC World Service.

**SUN 16:06 Sportsworld (w172y0tl2sjnd)**

Live Sporting Action

After a turbulent week for Manchester United, Sportsworld has commentary of their first Premier League game since the departure of manager Ole Gunnar Solskjaer as they go to Chelsea.

The team discuss who could take over at Old Trafford, bring you the scores from the European men's and women's leagues, and we'll also bring you the latest from the Davis Cup tennis on the final day of the group matches.

Photo: Chelsea's Antonio Rudiger runs with the ball whilst under pressure from Manchester United midfielder Bruno Fernandes. (Credit: Chelsea FC via Getty Images)

**SUN 19:00 BBC News (w172xzjww46b84z)**

The latest five minute news bulletin from BBC World Service.

**SUN 19:06 The Newsroom (w172xyxthbdw47)**

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

**SUN 19:30 BBC News Summary (w172xzkq9vt0mfce)**

The latest two minute news summary from BBC World Service.

**SUN 19:32 Heart and Soul (w3ct2zh9)**

[Repeat of broadcast at 10:32 today]

**SUN 20:00 BBC News (w172xzjww46bcx3)**

The latest five minute news bulletin from BBC World Service.

**SUN 20:06 Business Weekly (w3ct2dhq)**

The inflation problem

On Business Weekly, we look at inflation - and in particular how price rises are hitting the citizens of Turkey and the United States. We hear how two different presidents are trying two very different ways of getting it under control. We also hear how baristas in Starbucks in Buffalo, New York are trying to unionise - and how the coffee shop chain has reacted. Plus we look at green hydrogen and hear from the producers in Denmark who hope the sustainable fuel will help meet climate targets. Business Weekly is presented by Sasha Twining and produced by Matthew Davies.

(Image: An Istanbul bazaar, Getty Images)

**SUN 21:00 BBC News (w172xzjww46bhn7)**

The latest five minute news bulletin from BBC World Service.

**SUN 21:06 Newshour (w172xv5gfkftgyv)**

Netherlands finds at least 13 Omicron cases

At least thirteen cases of the new variant of the Covid virus have now been confirmed in the Netherlands. They were all flights coming from South Africa where the variant was first detected. The Dutch government has announced a partial lockdown. We speak with our reporter in the Netherlands and the New York Times correspondent who was on the flight that had the variant.

Also on the programme, amid the Ethiopian civil war several Sudanese soldiers have been killed along their common border. And, European ministers meet in northern France to discuss how best to stop the growing number of migrants trying to cross the English Channel.

(Photo: EPA/PHIL NIJHUIS)

**SUN 22:00 BBC News (w172xzjww46bmdc)**

The latest five minute news bulletin from BBC World Service.

**SUN 22:06 The Newsroom (w172xyx022qxyb)**

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

**SUN 22:20 Sports News (w172y0ss4c5vzkz)**

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

**SUN 22:30 BBC News Summary (w172xzkq9vt0znr)**

The latest two minute news summary from BBC World Service.

**SUN 22:32 Outlook (w3ct1kxw)**

[Repeat of broadcast at 09:32 today]

**SUN 23:00 BBC News (w172xzjww46br4h)**

The latest five minute news bulletin from BBC World Service.

**SUN 23:06 Deeply Human (w3ct051j)**

[Repeat of broadcast at 10:06 today]

**SUN 23:30 BBC News Summary (w172xzkq9vt13dw)**

The latest two minute news summary from BBC World Service.

**SUN 23:32 The Explanation (w3ct2z3j)**

[Repeat of broadcast at 09:32 on Saturday]

**SUN 23:50 More or Less (w3ct2dkz)**

[Repeat of broadcast at 14:50 today]

**MONDAY 29 NOVEMBER 2021**

**MON 00:00 BBC News (w172xjx7dhgq4s)**

The latest five minute news bulletin from BBC World Service.

**MON 00:06 From Our Own Correspondent (w3ct1mvt)**

[Repeat of broadcast at 04:06 on Sunday]

**MON 00:30 BBC News Summary (w172xzkqp4352f5)**

The latest two minute news summary from BBC World Service.

**MON 00:32 Heart and Soul (w3ct2zh9)**

[Repeat of broadcast at 10:32 on Sunday]

**MON 01:00 BBC News (w172xjx7dhtwx)**

The latest five minute news bulletin from BBC World Service.

**MON 01:06 World Business Report (w172xzk3vpvg25)**

Omicron Covid variant causes market jitters

As scientists scramble to understand the new Covid variant, Omicron and G7 health ministers gather for an emergency meeting, global stock markets are set for a volatile start to the week. We speak to Thomas Cueni, the Director General of International Federation of Pharmaceutical Manufacturers and Associations and the economist Michael Hughes. Plus, OPEC and other producers, including Russia, will meet later this week. After a plunge in global oil prices last Friday, will they still agree to increase production? Richard Bronze, senior analyst at Energy Aspects, gives us the latest analysis. And the transition to green energy economies means a large rampart in various metals and minerals, like Copper, Cobalt and Lithium. Can this massive future demand be met in an environmental sustainable way that doesn't damage human rights and benefits the communities where the mining happens? Tamasin Ford speaks to several figures in the mining world, from Emmanuel Umpula of the Congo-based NGO African Resources Watch to the boss of one of the world's largest mining companies, Mark Cutifani, the chief executive of Anglo American.

(Image: A trader works on the floor of the New York Stock Exchange. Credit: Getty Images)

**MON 01:30 BBC News Summary (w172xzkq435659)**

The latest two minute news summary from BBC World Service.

**MON 01:32 Discovery (w3ct2zqd)**

Genetic dreams, genetic nightmares

Biologist Matthew Cobb presents the first episode in a series which looks at the 50-year history of genetic engineering, from the concerns around the first attempts at combining the DNA of one organism with the genes of another in 1971 to today's gene editing technique known as CRISPR.

The first experiments to combine the DNA of two different organisms began at Stanford University in California in 1971. The revolutionary technique of splicing genes from one lifeform into another promised to be a powerful tool in understanding how our cells worked. It also offered the prospect of a new cheap means of manufacturing life-saving drugs – for example, by transferring the gene for human insulin into bacteria, growing those genetically engineered microbes in industrial vats and harvesting the hormone. A new industrial revolution based on biology looked possible.

At the same time some scientists and the public were alarmed by disastrous scenarios that genetic engineering might unleash. What if microbes engineered with toxin genes or cancer genes escaped from the labs and spread around the world?

In early 1974, responding to the public fears and their own disquiet about how fast the techniques were developing, the scientists leading this research revolution called for a global moratorium on genetic engineering experiments until the risks had been assessed.

This was followed by an historic meeting of 130 scientists from around the world in February 1975 in California. Its purpose was to decide if and how the genetic engineering research could be done safely. It was a rancorous affair but the Asilomar conference is held up as an idealist if imperfect example of scientists taking responsibility as they developed a powerful new technology.

(Picture: DNA molecule. Credit: KTS Design/Science Photo Library/Getty Images)

**MON 02:00 BBC News (w172xjx7dhgyn1)**

The latest five minute news bulletin from BBC World Service.

**MON 02:06 The Newsroom (w172xyxtw2mkkm9)**

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

**MON 02:30 BBC News Summary (w172xzkq4359xf)**

The latest two minute news summary from BBC World Service.

**MON 02:32 The Climate Question (w3ct2drh)**

What can we learn from the fight to fix the ozone hole?

In 1985 British scientist Jonathan Shanklin and colleagues published a study that shocked the world. The study revealed a

hole in the Earth's atmosphere right over Antarctica. It had been caused over time by chemicals known as CFCs, used in things like fridges, air conditioning units and aerosol cans. These were destroying the layer of ozone in the stratosphere which protects us from most of the sun's ultraviolet radiation - without it, cases of skin cancer would soar. Less than two years after the discovery, world leaders signed an agreement called the Montreal Protocol, committing to phase out CFCs. It has been described as the most successful international treaty of all time - every UN country has signed up, and ozone is expected to return to its previous levels around the middle of the century.

So what can we learn from how we tackled the ozone hole in how we address climate change?

Presenters Neal Razzell and Kate Lamble are joined by: Jonathan Shanklin, Meteorologist at the British Antarctic Survey, Dr Paul Newman, chief scientist for Earth Science at the Nasa Goddard Space Flight Center, Tina Birmplii, former executive secretary of the Ozone Secretariat, Dr Anita Ganesan, associate professor of Atmospheric Chemistry at the University of Bristol.

Producer: Sophie Eastaugh  
Researcher: Natasha Fernandes

**MON 03:00 BBC News (w172xjx7dhh2d5)**

The latest five minute news bulletin from BBC World Service.

**MON 03:06 Deeply Human (w3ct051j)**

[Repeat of broadcast at 10:06 on Sunday]

**MON 03:30 BBC News Summary (w172xzkq435fnk)**

The latest two minute news summary from BBC World Service.

**MON 03:32 The Explanation (w3ct2z3j)**

[Repeat of broadcast at 09:32 on Saturday]

**MON 03:50 Over to You (w3ct112d)**

[Repeat of broadcast at 09:50 on Saturday]

**MON 04:00 BBC News (w172xjx7dhh649)**

The latest five minute news bulletin from BBC World Service.

**MON 04:06 The Newsroom (w172xyxtw2mkt3k)**

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

**MON 04:30 BBC News Summary (w172xzkq435kdp)**

The latest two minute news summary from BBC World Service.

**MON 04:32 The Conversation (w3ct1p9h)**

Women swimming in the wild

Nora Fakim talks to two women about the health benefits of swimming in the wild.

Rachel Ashe is the founder of Mental Health Swims, a peer support community organising wild swimming or dipping events in the UK. Rachel first tried cold water swimming in 2019, shortly after being diagnosed with mental health conditions, and during the pandemic she went from organising a monthly gathering at her local beach in Wales to running a social enterprise with over 80 groups across the country.

Ilse Theys Woodward is an open water swimmer, a nurse, a swimming instructor and a lifeguard. She's based in Cape Town, South Africa and she has recently taken part in the Freedom Swim, one of the world's toughest cold water sea swim races. She's also a member of the Phoenix Open Water Swimming (POWS), a swimming club working with underprivileged youths in Cape Town.

Produced by Alice Gioia

(Image: (L) Ilse Theys Woodward, credit Ilse Theys Woodward. (R) Rachel Ashe, credit Laura Minns)

**MON 05:00 BBC News (w172xjx7dhh9wf)**

The latest five minute news bulletin from BBC World Service.

**MON 05:06 Newsday (w172xv30gmxxc5)**

Covid: South Africa's president calls for lifting of travel bans

We speak to a health official in Johannesburg as Cyril Ramaphosa attacks the travel bans as Afrophobia - saying it's a poor reward for being the country that identified the new variant.

Early results from elections in Honduras show the left-wing candidate, Xiomara Castro, on course to become the country's first female president.

And the British socialite and heiress Ghislaine Maxwell is due to go on trial in New York City on sex trafficking later today.

**MON 06:00 BBC News (w172xjx7dhhfmk)**

The latest five minute news bulletin from BBC World Service.

**MON 06:06 Newsday (w172xv30gmxxhn9)**

Borders shut in response to Omicron Covid strain

Health ministers from the world's richest countries gather for emergency talks - as the South African president criticises the travel bans.

Meanwhile in the Netherlands the alarm is sounded after a couple there fled their quarantine hotel.

And how Antarctica may be opening up as the world's last tourist destination.

**MON 07:00 BBC News (w172xjx7dhhkcp)**

The latest five minute news bulletin from BBC World Service.

**MON 07:06 Newsday (w172xv30gmxxmdf)**

Covid: G7 health ministers to discuss Omicron strain

We speak to a leading epidemiologist about how the world should best respond to the risk - and what that risk actually is.

We look at the Iran nuclear deal being discussed in Vienna and the prospect of lifting international sanctions.

And the British socialite and heiress Ghislaine Maxwell is due to go on trial in New York City on sex trafficking.

**MON 08:00 BBC News (w172xjx7dhhp3t)**

The latest five minute news bulletin from BBC World Service.

**MON 08:06 HARDtalk (w3ct1n6q)**

Nicolai Tangen: Can Norway move on from fossil fuels?

Stephen Sackur speaks to Nicolai Tangen, head of Norway's \$1.4 trillion sovereign wealth fund, the biggest in the world. Fossil fuels have given Norwegians vast wealth. Are they now ready to wean themselves off oil and gas?

**MON 08:30 BBC News Summary (w172xzkq4361d6)**

The latest two minute news summary from BBC World Service.

**MON 08:32 Business Daily (w3ct1j5q)**

The plight of girls under the Taliban

In Afghanistan, high schools are currently closed to girls, and women have been banned from TV dramas. So how hard is life for the female half of the population, as the Taliban reassert control?

Tamasin Ford hears from her colleague Yalda Hakim, who recently returned to the Afghan capital Kabul, the city of her birth, where she quizzed members of the new regime about their intentions for girls' education. Tamasin also speaks to Mahboub Seraj of the Afghan Women Skills Development Center in Kabul about what life is now like in the city.

Meanwhile Marianne O'Grady, who worked in Afghanistan for the charity CARE International until she was evacuated in August, says that with food now running desperately short in the country, there are even more pressing concerns than the treatment of women.

(Picture: Afghan girls look out next to a building in Sharan, Afghanistan; Credit: Hector Retamal/AFP via Getty Images)

**MON 08:50 Witness History (w3ct1x1t)**

The Aids 'patient zero' myth

In the early days of Aids, a misunderstanding made one man the face of the epidemic. Canadian air steward Gaetan Dugas developed the symptoms of HIV/Aids in the early 1980s, but a misreading of scientific data led to him being identified as 'patient zero', giving the mistaken impression he was responsible for the spread of the disease. Lucy Burns speaks to researcher William Darrow, who worked on the epidemic, and to Gaetan Dugas' friend Rand Gaynor.

Photo: Gaetan Dugas. (Credit: Rand Gaynor)

**MON 09:00 BBC News (w172xzjx7dhhsy)**

The latest five minute news bulletin from BBC World Service.

**MON 09:06 The Climate Question (w3ct2drh)**

[Repeat of broadcast at 02:32 today]

**MON 09:30 BBC News Summary (w172xzkqp43654b)**

The latest two minute news summary from BBC World Service.

**MON 09:32 CrowdScience (w3ct1prd)**

Which is better: Optimism or pessimism?

In most cultures, the soundtrack to our lives is one of optimism. We are told to aim for the stars, dream big and believe that tomorrow will definitely be a better day. But why do so many people subscribe to the cult of 'glass half full' when life's hardships should make any reasonable person a bit more wary?

Listener Hannah from Germany - a self-described pessimist - is intrigued as to whether the optimistic way of life is really the best way to be. Taking on the challenge is Marnie Chesterton, who finds out why 80% of the population have an optimism bias and how the ability to hope and take risks may have helped the human species get where it is today. She also meets a man who pushes the optimistic outlook to its very limits - Base jumping world champion, Espen Fadnes. Listener Hannah on the other hand looks into the psychology of pessimism to find out if there are any advantages to her less rose-tinted view on life - and whether the culture we grow up in shapes how realistically we see the world.

Producer: Caroline Steel  
Presented: Marnie Chesterton

## Contributors:

Espen Fadnes – Freerfall professional  
Tali Sharot – Professor of neuroscience, UCL  
Julie Norem – Professor of psychology, Wellesley College  
Jeanne Tsai – Professor of psychology, Stanford

(Image: Two arrows, one with a sad smiley and the other with happy smiley, pointing in opposite directions. Credit: Getty Images)

**MON 10:00 BBC News (w172xzjx7dhxm2)**

The latest five minute news bulletin from BBC World Service.

**MON 10:06 The Cultural Frontline (w3ct1ptl)**

[Repeat of broadcast at 22:32 on Saturday]

**MON 10:30 BBC News Summary (w172xzkqp4368wg)**

The latest two minute news summary from BBC World Service.

**MON 10:32 Trending (w3ct2yqp)**

[Repeat of broadcast at 05:32 on Saturday]

**MON 10:50 More or Less (w3ct2dkz)**

[Repeat of broadcast at 14:50 on Sunday]

**MON 11:00 BBC News (w172xzjx7dhj1c6)**

The latest five minute news bulletin from BBC World Service.

**MON 11:06 The Newsroom (w172xyxtw2mlnbg)**

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

**MON 11:30 BBC News Summary (w172xzkqp436dml)**

The latest two minute news summary from BBC World Service.

**MON 11:32 The Conversation (w3ct1p9h)**

[Repeat of broadcast at 04:32 today]

**MON 12:00 BBC News (w172xzjx7dhj53b)**

The latest five minute news bulletin from BBC World Service.

**MON 12:06 Outlook (w3ct1jv1)**

The choir without vocal cords

Doctor Thomas Moors has understood the power of the voice since he was part of a boys' choir in Belgium. He took that knowledge with him into his career and now specialises in ears, nose and throat. And now he has done what some thought impossible - formed a choir for people in the UK who have had their voice boxes surgically removed, mostly because of throat cancer, through an operation called a laryngectomy.

We also hear the stories of Shout at Cancer choir members Sara Bowden-Evans and Ian Bradshaw, and we meet award-winning American filmmaker Bill Brummel, who has also had a laryngectomy, and has made a documentary about the choir called Can you hear my voice?

This programme was originally broadcast in March 2020.

Get in touch: outlook@bbc.com

Presenter: Mariana Des Forges  
Producer: Deiniol Buxton and Thomas Harding Assinder

Picture: The Shout at Cancer choir  
Credit: Bill Brummel Productions

**MON 12:50 Witness History (w3ct1x1t)**

[Repeat of broadcast at 08:50 today]

**MON 13:00 BBC News (w172xzjx7dhj8vg)**

The latest five minute news bulletin from BBC World Service.

**MON 13:06 The Newsroom (w172xyxtw2mlwtq)**

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

**MON 13:30 BBC News Summary (w172xzkqp436n3v)**

The latest two minute news summary from BBC World Service.

**MON 13:32 CrowdScience (w3ct1prd)**

[Repeat of broadcast at 09:32 today]

**MON 14:00 BBC News (w172xzjx7dhjdl)**

The latest five minute news bulletin from BBC World Service.

**MON 14:06 Newshour (w172xv5gstr0cx6)**

New cases of the Covid variant Omicron found in different parts of the world

Meetings at the World Health Organisation and the G7 countries are taking place to discuss ways of combating the latest Covid variant.

Also on the programme: the trial of Ghislaine Maxwell, a close associate of the late sex offender Jeffrey Epstein, begins today in New York. And we have the strange tale of a painting by the late British artist Lucien Freud, which art experts have described as a genuine work by Freud, but which the artist himself denied ever painting.

(Picture: A lab worker tests covid samples. Credit: PA)

**MON 15:00 BBC News (w172xzjx7dhjbjq)**

The latest five minute news bulletin from BBC World Service.

**MON 15:06 HARDtalk (w3ct1n6q)**

[Repeat of broadcast at 08:06 today]

**MON 15:30 BBC News Summary (w172xzkqp436wm3)**

The latest two minute news summary from BBC World Service.

**MON 15:32 World Business Report (w172y489j4g2rgk)**

Countries shut borders over Omicron variant fears

More countries including Japan have closed their borders over Omicron Covid variant fears. We explore to what extent travel restrictions work in preventing the spread of viruses with Keith Neal emeritus professor of epidemiology and infectious diseases at the University of Nottingham. And we get a sense of the likely economic impact of restrictions on South Africa from George Glynos, who is head of research at ETM Analytics. Also in the programme, we hear about the global semiconductor shortage and its impact on carmakers from Makoto Uchida, chief executive of Nissan. An episode of cartoon The Simpsons which refers to Tiananmen Square does not appear on the Disney+ video streaming platform in Hong Kong. Tom Grundy is editor in chief of the Hong Kong Free Press and explains the background. Plus, labour shortages plaguing many companies around the world appear to extend all the way to the North Pole. The BBC's Samira Hussain in New York reports on a shortage of Santas this festive season.

Today's edition is presented by Rob Young and produced by Joshua Thorpe and Sara Parry.

(Picture: Empty departure gates at Tokyo airport. Picture credit: Getty Images.)

**MON 16:00 BBC News (w172xzjx7dhjn2v)**

The latest five minute news bulletin from BBC World Service.

**MON 16:06 BBC OS (w172xxxw9qlzn19)**

Omicron variant: What we know so far

We bring you an update on Omicron, the latest and most heavily mutated coronavirus variant so far. Countries have imposed travel bans against South Africa, where the variant was first discovered. President Cyril Ramaphosa has said he is "deeply disappointed" by the move. Our health experts explain what we know about the variant and how concerned we should be. We also hear reaction from people in South Africa directly impacted by the travel bans.

We go to Portugal where a football club has been hit with 13 cases of the variant after a player returned from South Africa. Omicron was discovered after the team - Belenenses - played a match against Benfica in Lisbon on Saturday.

And we speak to our colleague in northern Iraq, where many of the people who died in the English Channel while trying to cross into the UK are thought to have come from. We find out what we know about the victims, what news their families are receiving and how the events are being covered in Kurdish media.

(Photo: A healthcare worker prepares a dose of Sinovac Covid-19 vaccine during a vaccination drive in Medan, Indonesia. The Indonesian government issued an entry ban for international travellers from ten African countries and Hong Kong to prevent the entry of Omicron. Credit: EPA/Dedi Sinuhaji)

**MON 17:00 BBC News (w172xzjx7dhjrtz)**

The latest five minute news bulletin from BBC World Service.

**MON 17:06 BBC OS (w172xxxw9qlzsf)**

Omicron variant: Reaction from South Africa

We go to South Africa, where the new coronavirus variant Omicron was first discovered, to hear how people there - including doctors and those working in the tourist industry - feel about travel bans imposed against their country. President Cyril Ramaphosa has said he is "deeply disappointed" by the move. Our health experts explain what we know about the variant and how concerned we should be.

Also, we speak to our colleague in northern Iraq, where many of the people who died in the English Channel while trying to cross into the UK are thought to have come from. We find out what we know about the victims, what news their families are receiving and how the events are being covered in Kurdish media.

And we hear about protests taking place in the Iranian city of Isfahan over water shortages. Our correspondent tells us what we know and why some people are blaming authorities.

(Photo: A healthcare worker collects a swab from a passenger for a PCR test before traveling to Uganda, amidst the spread of the new coronavirus variant Omicron, at O.R. Tambo International Airport in Johannesburg, South Africa. Credit: Reuters/Sumaya Hisham)

**MON 18:00 BBC News (w172xzjx7dhjw13)**

The latest five minute news bulletin from BBC World Service.

**MON 18:06 Outlook (w3ct1jv1)**

[Repeat of broadcast at 12:06 today]

**MON 18:50 Witness History (w3ct1x1t)**

[Repeat of broadcast at 08:50 today]

**MON 19:00 BBC News (w172xzjx7dhk0b7)**

The latest five minute news bulletin from BBC World Service.

**MON 19:06 The Newsroom (w172xyxtw2mnm9h)**

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

**MON 19:30 BBC News Summary (w172xzkqp437clm)**

The latest two minute news summary from BBC World Service.

**MON 19:32 Sport Today (w172y0np8zgmw4l)**

2021/11/29 GMT

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

**MON 20:00 BBC News (w172xjx7dhk42c)**

The latest five minute news bulletin from BBC World Service.

**MON 20:06 The Climate Question (w3ct2drh)**

[Repeat of broadcast at 02:32 today]

**MON 20:30 BBC News Summary (w172xzkp437hbr)**

The latest two minute news summary from BBC World Service.

**MON 20:32 Discovery (w3ct2zqf)**

Genetic dreams, genetic nightmares

Professor Matthew Cobb looks at how genetic engineering became big business - from the first biotech company that produced human insulin in modified bacteria in the late 1970s to the companies like Monsanto which developed and then commercialised the first GM crops in the 1990s. Were the hopes and fears about these products of genetic engineering realised?

Thanks to The State of Things from North Carolina Public Radio WUNC for the interview with Mary-Dell Chilton.

(Picture: DNA molecule. Credit: KTSDesign/Science Photo Library/Getty Images)

**MON 21:00 BBC News (w172xjx7dhk7th)**

The latest five minute news bulletin from BBC World Service.

**MON 21:06 Newshour (w172xv5gstr1743)**

President Biden calls for vaccination of the developing world

US President Joe Biden has called the Omicron Covid variant a "cause for concern, not a cause for panic". He called on American to get their jabs and urged rich countries to help people in the developing world get vaccines. We ask if we are likely to see more variants of concern unless poorer countries get their jabs.

Also in the programme: The trial against Jeffrey Epstein's friend Ghislaine Maxwell starts in the US; and opposition candidate Xiomara Castro takes the lead in Honduras's presidential election count.

(Photo: A healthcare worker administers the Johnson and Johnson coronavirus disease (COVID-19) vaccination to a woman in Houghton, Johannesburg, South Africa. Credit: Reuters).

**MON 22:00 BBC News (w172xjx7dhkckm)**

The latest five minute news bulletin from BBC World Service.

**MON 22:06 The Newsroom (w172xyx0f0c0yp3l)**

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

**MON 22:20 Sports News (w172y0shmh2qr7)**

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

**MON 22:30 BBC News Summary (w172xzkp437qv0)**

The latest two minute news summary from BBC World Service.

**MON 22:32 World Business Report (w172ycrq6pl2v5k)**

Twitter co-founder Jack Dorsey steps down as CEO

Twitter co-founder Jack Dorsey is stepping down as chief executive of the company. Mr Dorsey, who co-founded Twitter in 2006 will be replaced by the current chief technical officer, Parag Agrawal. The Financial Times San Francisco correspondent Dave Lee tells us why Mr Dorsey has given up his job. Also, countries including Japan have shut their borders over Omicron Covid variant fears. We explore to what extent travel restrictions work in preventing the spread of viruses with Keith Neal, emeritus professor of epidemiology and infectious diseases at the University of Nottingham. And we get a sense of the likely economic impact of restrictions on South Africa from George Glynos, who is head of research at ETM Analytics. Later in the programme, an episode of cartoon The Simpsons which refers to Tiananmen Square does not appear on the Disney+ video streaming platform in Hong Kong. Tom Grundy is editor in chief of the Hong Kong Free Press and explains the background. Plus, labour shortages plaguing many companies around the world appear to extend all the way to the North Pole. The BBC's Samira Hussain in New York reports on a shortage of Santas this festive season.

(Picture: Jack Dorsey, co-founder of Twitter. Picture credit: Getty Images.)

**MON 23:00 BBC News (w172xjx7dhkh9r)**

The latest five minute news bulletin from BBC World Service.

**MON 23:06 HARDtalk (w3ct1n6q)**

[Repeat of broadcast at 08:06 today]

**MON 23:30 BBC News Summary (w172xzkp437v14)**

The latest two minute news summary from BBC World Service.

**MON 23:32 The Conversation (w3ct1p9h)**

[Repeat of broadcast at 04:32 today]

**TUESDAY 30 NOVEMBER 2021****TUE 00:00 BBC News (w172xjx7dhkm1w)**

The latest five minute news bulletin from BBC World Service.

**TUE 00:06 The History Hour (w3ct1z7w)**

The assassination of the Mirabal sisters

The three Mirabal sisters were leading figures in the Dominican Republic's opposition movement against the dictator General Rafael Trujillo. They were all killed on the 25th November 1960. We hear from the daughter of one of them, Minerva, who tells us about her family and from Professor Elizabeth Manley on the Mirabal sister's legacy in the Dominican Republic. Also in the programme, the last case of Smallpox in Europe, the woman who helped her mother to die and laid the groundwork for the Netherlands becoming the first country in the world to legalise euthanasia. Also how Estonia led the way on connecting up schools to the internet and the painting by Gustav Klimt which was stolen by Nazis and only returned to its Jewish owners after a lengthy legal battle.

Photo: The three Mirabal Sisters, Patria, Minerva and Maria Teresa (Credit: Mirabal family collection)

**TUE 01:00 BBC News (w172xjx7dhkqt0)**

The latest five minute news bulletin from BBC World Service.

**TUE 01:06 Business Matters (w172xvqq34dh33q)**

More countries impose travel bans on Southern Africa

The World Health Organization (WHO) has warned that the Omicron coronavirus variant poses a high risk of infection surges around the globe. The head of the organisation, Dr Tedros Adhanom Ghebreyesus, renewed a call for a global push to get vaccines to poorer nations meanwhile in the US, workers in one of Amazon's warehouses in Alabama have been allowed to rerun a vote on whether they can join a union. Employees voted not to form a union in April, but the National Labor Relations Board found Amazon illegally interfered in the elections. Rebecca Rainey, Labour and Immigration Reporter for Politico, explains. Plus, Twitter co-founder Jack Dorsey is stepping down as chief executive of the company. Mr Dorsey, who co-founded Twitter in 2006, will be replaced by the current chief technical officer, Parag Agrawal. We ask the Financial Times correspondent Dave Lee why Mr Dorsey has given up the top job. Later in the programme, an episode of the cartoon The Simpsons, which refers to Tiananmen Square, does not appear on the Disney+ video streaming platform in Hong Kong. The omission of the episode by Disney has added to growing concerns about censorship and self-censorship in Hong Kong. And we talk to Karen Chan, a neon light designer in Hong Kong, about the movement to revive the use of neon in art, commercial spaces and signage.

We're joined throughout the programme by Rachel Cartland, an author, writer and expert on Hong Kong and Peter Morici, an economist at the University of Maryland in Washington.

(Picture: Commuters wearing face masks. Picture credit: Getty Images.)

**TUE 02:00 BBC News (w172xjx7dhkvk4)**

The latest five minute news bulletin from BBC World Service.

**TUE 02:06 The Newsroom (w172xyxtw2mngjd)**

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

**TUE 02:30 BBC News Summary (w172xzkp4386tj)**

The latest two minute news summary from BBC World Service.

**TUE 02:32 The Documentary (w3ct2zhe)**

Internet instigators

Internet instigators are organising protests and campaigns using

social media and other internet tools and apps to promote their causes. Nina Robinson explores the methods used by activists to create online communities, spearheaded by their charismatic and authentic personalities and hard-hitting visual content.

The Indian fashion influencer, Masaba Gupta, explains how she is challenging stereotypes by showcasing the beauty of women with darker skin tones in a society obsessed with fairer ones.

And Aliya Curmally, from Indian Fashion Revolution, describes how she is building a movement against fast fashion. But the methods used to achieve those sort of aims can be very similar to ones activists use to spread hate speech. Internet instigators come in many guises. Professor Megan Squire from Elon University and Patrik Hermansson from the anti-racist organisation Hope Not Hate, delve into their research around extremist, far-right networks.

Presenter: Nina Robinson

(Photo: Mobile phone with social media apps on a laptop keyboard. Credit: Ercin Erturk/Anadolu Agency/Getty Images)

**TUE 03:00 BBC News (w172xjx7dhkz98)**

The latest five minute news bulletin from BBC World Service.

**TUE 03:06 Outlook (w3ct1jv1)**

[Repeat of broadcast at 12:06 on Monday]

**TUE 03:50 Witness History (w3ct1x1t)**

[Repeat of broadcast at 08:50 on Monday]

**TUE 04:00 BBC News (w172xjx7dhl31d)**

The latest five minute news bulletin from BBC World Service.

**TUE 04:06 The Newsroom (w172xyxtw2mnn0n)**

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

**TUE 04:30 BBC News Summary (w172xzkp438g9s)**

The latest two minute news summary from BBC World Service.

**TUE 04:32 In the Studio (w3ct1tdz)**

Yinka Shonibare

World renowned British-Nigerian artist Yinka Shonibare has art work exhibited across the globe, but for this project, he'll be swapping international museum spaces and his trademark, brightly coloured wax batik fabric for a wild, rural landscape and some altogether more industrial materials.

Reporter Nicola Humphries joins Yinka Shonibare as work begins on one of his most ambitious projects yet, the Ecology Green Farm. A residency space for artists, agriculturists and researchers, created with a sustainable infrastructure and food security for the local community in mind.

We'll hear from Yinka in his studio in London, and from his collaborator, architect and master planner Papa Omotayo, on the ground in Lagos, as they work together to establish an organic farm across a 54-acre site whilst overseeing their team of local artisans handmake 40,000 bricks to construct a state-of-the-art, artists residence and workshop. Gardens will be planted, greenhouses filled and local craft will take centre stage.

Across the year they'll navigate lockdowns and rainy seasons, and gradually witness the centrepiece to this project, a locally styled barn house, rise from the ground, ready to become a place for people to share skills and ideas in an ambitious cultural exchange programme.

Yinka shares his personal motivations for establishing the Ecology Green Farm and explains his ongoing beliefs in the relationship between art and social justice, demonstrating with this project, how the combined disciplines of architecture and science can contribute to local eco systems, food security and of course, creativity.

Produced by Nicola Humphries

Additional sound recordings by Awa Osu

Photo: Yinka Shonibare CBE RA (Courtesy the artist and Royal Academy of Arts, London. Photographed by Marcus Leith, 2014)

**TUE 05:00 BBC News (w172xjx7dhl6sj)**

The latest five minute news bulletin from BBC World Service.

**TUE 05:06 Newsday (w172xv30gmy0818)**

Barbados bids goodbye to the Queen

The island becomes the world's newest republic - replacing Queen Elizabeth with a president at a ceremony attended by Prince Charles.

Australia pauses plans to reopen its borders - joining other countries closing entry points in response to the Omicron variant of Coronavirus.

And the jazz icon and World War 2 resistance agent, Josephine Baker, is to be given a posthumous resting place in France's Pantheon - a place for national heroes - later today. She's the first black woman to be honoured in this way.

**TUE 06:00 BBC News (w172xzjx7dhlbjn)**

The latest five minute news bulletin from BBC World Service.

**TUE 06:06 Newsday (w172xv30gmy0dkd)**

Barbados becomes republic at midnight ceremony

In a speech at the swearing-in ceremony, Prince of Wales acknowledged the "appalling atrocity of slavery" in the country's history.

As the humanitarian crisis in Afghanistan deepens, we hear from UNICEF on how malnutrition is claiming more and more lives.

And the Argentine star, Lionel Messi, has won football's most prestigious award, the Ballon d'Or, for a record seventh time.

**TUE 07:00 BBC News (w172xzjx7dhlgs8s)**

The latest five minute news bulletin from BBC World Service.

**TUE 07:06 Newsday (w172xv30gmy0j9j)**

Barbados has 'new beginning' as it becomes a republic

Prince Charles said slavery was a stain on the shared history of Britain and the Caribbean nation.

A review of workplace culture in Australia has revealed astonishing levels of sexual harassment in the federal parliament.

And Poland's Prime Minister tells the NATO alliance to wake up to the threat posed by Russia.

**TUE 08:00 BBC News (w172xzjx7dhllox)**

The latest five minute news bulletin from BBC World Service.

**TUE 08:06 People Fixing The World (w3ct1plv)**

Ways to save the planet: Using the sun

Floating solar panels and a see-through pyramid are the solutions this week.

The sun is the ultimate source of energy for life on earth. Harnessing that energy in new ways is a key part of the fight against climate change.

This week, we meet two people who had solar power eureka moments and are doing just that.

One designed a see-through pyramid that produces hot water for low-income countries. The other opened up new space for solar panels by floating them on the water.

We explore these ideas with environment journalist Tom Heap, who joined forces with The Royal Geographical Society to check out the most promising climate change solutions for BBC Radio 4 series '39 Ways to Save the Planet'.

Image: Faisal Ghani and his solar water heater.

**TUE 08:30 BBC News Summary (w172xzkqp438y99)**

The latest two minute news summary from BBC World Service.

**TUE 08:32 Business Daily (w3ct1jgr)**

The kleptocrats club

Authoritarian regimes are working closer than ever to keep each other afloat - with plenty of help from the West's financial system.

Ed Butler speaks to Frank Vogl, who helped found the global anti-corruption organisation Transparency International. He claims that the world's kleptocrats are enabled by an army of bankers, lawyers and accountants who are helping them squirrel away their ill-gotten money in Western real estate and investments.

And for regimes like those of Belarus, Venezuela or Syria, who

find their power contested by their own people and their economies in tatters, there is plenty of support to be found these days from other authoritarians - chief among them Russia and China. That's according to the historian, journalist and author Anne Applebaum. The questions is whether the world's democracies will ever get their act together and do something about it?

(Picture: Venezuelan leader Nicolas Maduro (left) embracing Belarus leader Alexander Lukashenko; Credit: Sergei Gapon/AFP via Getty Images)

**TUE 08:50 Witness History (w3ct1x6b)**

The early days of HIV/Aids

The HIV virus was first identified by medical experts in a journal article in 1981. In the early days of the epidemic, carriers of the virus were stigmatised and treatment was in its infancy. Alan Johnston talks to Ugandan-born Winnie Sseruma about her experiences of having HIV back in the 1980s.

PHOTO: Winnie Sseruma Sseruma

**TUE 09:00 BBC News (w172xzjx7dhlps1)**

The latest five minute news bulletin from BBC World Service.

**TUE 09:06 The Documentary (w3ct2zhe)**

[Repeat of broadcast at 02:32 today]

**TUE 09:30 BBC News Summary (w172xzkqp4321f)**

The latest two minute news summary from BBC World Service.

**TUE 09:32 Discovery (w3ct2zqf)**

[Repeat of broadcast at 20:32 on Monday]

**TUE 10:00 BBC News (w172xzjx7dhljt5)**

The latest five minute news bulletin from BBC World Service.

**TUE 10:06 The Arts Hour (w3ct1rtx)**

[Repeat of broadcast at 20:06 on Saturday]

**TUE 11:00 BBC News (w172xzjx7dhy89)**

The latest five minute news bulletin from BBC World Service.

**TUE 11:06 The Newsroom (w172xyxtw2mpk7k)**

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

**TUE 11:30 BBC News Summary (w172xzkqp4399jp)**

The latest two minute news summary from BBC World Service.

**TUE 11:32 In the Studio (w3ct1tdz)**

[Repeat of broadcast at 04:32 today]

**TUE 12:00 BBC News (w172xzjx7dhm20f)**

The latest five minute news bulletin from BBC World Service.

**TUE 12:06 Outlook (w3ct1jx9)**

Why my parents sent my brothers to live in North Korea

Filmmaker Yonghi Yang grew up in Japan in the 1960s, as part of Osaka's large ethnic Korean community. Facing anti-Korean prejudice in Japan, and inspired by the North Korean regime's promise of a socialist paradise, her parents made the momentous decision to send their three teenage sons to live in the North Korean capital Pyongyang in the early 1970s, as a sort of 'birthday gift' to North Korean leader Kim Il-Sung. Yonghi remained behind with her parents and has spent a lifetime trying to make sense of their decision and its consequences. Yonghi has made films about her experience, the latest is called Soup and Ideology.

Park Myongho is a North Korean ex-military man who defected to the South, at huge risk, with his family. He now works as a compressor diver making a dangerous living by catching octopuses under the sea where North meets South. This interview was first broadcast in January 2019.

Get in touch: outlook@bbc.com

Presenter: Jo Fidgen

(Photo: The Arch of Reunification in Pyongyang, North Korea. Credit: Pablo Bonfiglio via Getty Images)

**TUE 12:50 Witness History (w3ct1x6b)**

[Repeat of broadcast at 08:50 today]

**TUE 13:00 BBC News (w172xzjx7dhm5rk)**

The latest five minute news bulletin from BBC World Service.

**TUE 13:06 The Newsroom (w172xyxtw2mpsqt)**

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

**TUE 13:30 BBC News Summary (w172xzkqp439k0y)**

The latest two minute news summary from BBC World Service.

**TUE 13:32 Discovery (w3ct2zqf)**

[Repeat of broadcast at 20:32 on Monday]

**TUE 14:00 BBC News (w172xzjx7dhm9hp)**

The latest five minute news bulletin from BBC World Service.

**TUE 14:06 Newshour (w172xv5gstr3819)**

Yemen: Houthi rebels come closer to encircling the city of Marib

Marib is at the centre of Yemen's oilfields, and is the government's last stronghold in the north. We have an exclusive report from there.

Also on the programme Poland's Prime Minister urges NATO to unify against Russia. Will that organisation, currently meeting in Latvia, do that? And a new report from Australia states that more than a quarter of those working in federal parliamentary offices have been sexually harassed by MPs.

(Picture: Portraits of slain Houthi fighters which are to be placed on their graves to mark Houthi Martyr Week, in Sana'a. Credit: Arhab / EPA)

**TUE 15:00 BBC News (w172xzjx7dhmf7t)**

The latest five minute news bulletin from BBC World Service.

**TUE 15:06 People Fixing The World (w3ct1plv)**

[Repeat of broadcast at 08:06 today]

**TUE 15:30 BBC News Summary (w172xzkqp439sj6)**

The latest two minute news summary from BBC World Service.

**TUE 15:32 World Business Report (w172y4brvb87knj)**

Inditex: Zara founder's daughter takes over

High street fashion giant Inditex has appointed the founder's daughter as its new chair. The firm owns brands including Zara and Massimo Dutti, and we find out what's behind the appointment of Marta Ortega from fashion journalist Charley Ross. The news comes a day after the company's expansion plans in France were blocked over a probe into whether Inditex benefits from the use of forced labour of Uyghurs in China. Inditex insists it does not, and we get the background from Clare Bailey, who is an industry consultant, specialising in clothing company supply chains. Also in the programme, authoritarian regimes are thought to be working closer than ever to keep each other afloat, with plenty of help from the West's financial system. We hear from Frank Vogl, who helped found the global anti-corruption organisation Transparency International. And we get wider context from the historian, journalist and author, Anne Applebaum. Plus, a dispute has broken out over the role of the ukulele in children's music education. Is it a good thing that more kids are picking up the simple stringed instrument, or is it to the detriment of more sophisticated music skills such as learning the guitar? Andy Eastwood is one of the few professional ukulele players in the UK, and gives us his perspective, and we find out more from Lincoln Abbott, executive director of the ABRSM, which runs music exams in the UK, and issued the report on the rise of the ukulele.

Today's edition is presented by Rob Young, and produced by Joshua Thorpe and Faarea Masud.

(Picture: Amancio and Marta Ortega. Picture credit: Getty Images.)

**TUE 16:00 BBC News (w172xzjx7dhmjzy)**

The latest five minute news bulletin from BBC World Service.

**TUE 16:06 BBC OS (w172xxxw9qm2jyd)**

Barbados has become the world's newest republic

Today the Island nation of Barbados ushers in a new era. The

former British colony and constitutional monarchy has become a republic. It's exactly 55 years since its independence from Britain and today Barbados takes a step further - it will remove Queen Elizabeth as its head of state. We hear reaction from three generations of one Barbadian family and how they think their lives might change.

As we continue our coverage of the Omicron coronavirus variant, our regular health expert Dr Isaac Bogoch, an infectious diseases physician and scientist from the University of Toronto, answers your questions including what the symptoms are and how vaccines are responding to the new variant.

And our Middle East Editor, Jeremy Bowen, joins us on his return from Yemen. The war there could be at a turning point - with Houthi forces gaining ground at the expense of the army and the internationally recognised government. We find out how this is impacting Yemeni people with the country going through a humanitarian crisis.

(Photo: Elizabeth Hinds, Patricia Hall and Kaye Hall. Credit: Kaye Hall)

#### **TUE 17:00 BBC News (w172zxjx7dhnmr2)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 17:06 BBC OS (w172xxxw9qm2npj)**

Omicron: Covid variant was in the Netherlands earlier than thought

We go to the Netherlands where authorities have discovered that the new Covid-19 variant, Omicron, was present earlier than previously thought. It was identified in two test samples taken between 19 and 23 November, before the variant was first reported by South Africa. It is not clear whether those who took the tests had visited southern Africa. Our reporter in the Netherlands brings us the latest. We also answer listener questions about the variant with the help of our health expert, Dr Swapneil Parikh in India.

Also, we hear from three generations of a family in Barbados as the former British colony and constitutional monarchy becomes a republic. What's their reaction to the news, and how might their lives change?

And we bring you an interview with MI6 chief Richard Moore, who has been speaking to the BBC. Mr Moore warned that China has the capability to "harvest data from around the world". He also denied that the fall of the Afghan capital Kabul was an intelligence failure.

(Photo: Travellers from South Africa are tested for the coronavirus Omicron variant upon arrival in a specially designed test lane at the Schiphol airport, the Netherlands, 30 November 2021. Credit: EPA/Remko de Waal)

#### **TUE 18:00 BBC News (w172zxjx7dhnms6)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 18:06 Outlook (w3ct1jx9)**

[Repeat of broadcast at 12:06 today]

#### **TUE 18:50 Witness History (w3ct1x6b)**

[Repeat of broadcast at 08:50 today]

#### **TUE 19:00 BBC News (w172zxjx7dhnmx7b)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 19:06 The Newsroom (w172xyxtw2mqj6l)**

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

#### **TUE 19:30 BBC News Summary (w172zxkqp43b8hq)**

The latest two minute news summary from BBC World Service.

#### **TUE 19:32 Sport Today (w172y0np8zqgs1p)**

2021/11/30 GMT

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

#### **TUE 20:00 BBC News (w172zxjx7dhn0zg)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 20:06 The Documentary (w3ct2zhe)**

[Repeat of broadcast at 02:32 today]

#### **TUE 20:30 BBC News Summary (w172zxkqp43bd7v)**

The latest two minute news summary from BBC World Service.

#### **TUE 20:32 Digital Planet (w3ct1lt1)**

PIX instant payment limits to reduce kidnappings

PIX instant payment limits to reduce kidnappings  
Last year the PIX instant payment system was introduced in Brazil. It currently has 112 million registered users – that's 62% of the population. It's proving incredibly popular and is allowing the 40 million unbanked people in the country access to electronic payments. Unfortunately its popularity has also led to significant issues – namely ransom demands by kidnappers that can be paid immediately. By lowering the payment limit and stopping night payments, it's hoped this will curb the problem. Silvia Bassi, who runs the tech website The Shift in Brazil, is on the show.

Bitcoin mining in Navajo Nation – crypto-colonialism  
In the past traditional mining often took advantage of local people living near the mine, now something similar may be happening with cryptocurrencies. A bitcoin mine in the Four Corners region of New Mexico which belongs to the Navajo nation is causing controversy. It consumes enough to power 19,600 homes, yet many local residents lack water and electricity. The scheme was originally set up with the Navajo's support but there is opposition from some local people. Mining companies argue though that investing in their schemes will ultimately reap financial rewards for the local people. Reporter Luke Ottenhof is on the show to discuss this story and the rise of crypto-colonialism globally.

AI training for top flight football  
Our gaming correspondent Chris Berrow reports on the latest tech to train footballers. Norwich City are the first UK Premiership club to use the Soccerbot360 simulator which claims to replicate real-life match scenarios - enabling players to work on their decision-making. We will soon see if it improves the Canaries' game.

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

Studio Manager: Bob Nettles  
Producer: Ania Lichtarowicz

(Image: Pix logo on smartphone with Brazilian currency  
Credit: Cris Faga/NurPhoto via Getty Images)

#### **TUE 21:00 BBC News (w172zxjx7dhn4ql)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 21:06 Newshour (w172xv5gstr4416)**

In Yemen, Houthi rebels close in on key city

Rebel Houthi, a group based in the north, and allied to Iran, have seized large amounts of strategically important territory -- and are advancing on the oil rich city of Marib, where 800,000 people are displaced. We hear from our correspondent as well as a former Yemeni deputy foreign minister.

Also on the programme, as incoming German chancellor Olaf Scholz announces he wants to hold a vote to determine whether to make the vaccine compulsory, we discuss the new Omicron variant with the director of the Center at the University of Minnesota.

And, research published today on how the Arctic may soon get more rainfall than snowfall. The lead author of the report discusses its implications.

(Photo: Armed Houthi supporters hold up weapons during a gathering to mobilize more fighters into the battlefronts amid an escalating war between the Houthis and Saudi-backed Yemeni troops, in Sana'a, Yemen, 24 November 2021. EPA/YAHYA ARHAB)

#### **TUE 22:00 BBC News (w172zxjx7dhn8gq)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 22:06 The Newsroom (w172xyx0fc110p)**

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

#### **TUE 22:20 Sports News (w172y0sshmh5mnb)**

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

#### **TUE 22:30 BBC News Summary (w172zxkqp43bmr3)**

The latest two minute news summary from BBC World Service.

#### **TUE 22:32 World Business Report (w172yescjnf5w1hy)**

Inditex: Zara founder's daughter takes over

High street fashion giant Inditex has appointed the founder's daughter as its new chair. The firm owns brands including Zara and Massimo Dutti, and we find out what's behind the appointment of Marta Ortega from Dan Dombey of the Financial Times in Madrid. Also in the programme, authoritarian regimes are thought to be working closer than ever to keep each other afloat, with plenty of help from the West's financial system. We hear from Frank Vogl, who helped found the global anti-corruption organisation Transparency International. And we get wider context from the historian, journalist and author, Anne Applebaum. Plus, scientists have struggled for a long time to learn as much as they'd like about the world of infrasonic sound. These acoustic waves can travel a really long way but as they're below the range of human hearing you need to be able to place sensors where you can pick up various sources of infrasound. Now a team of research collaborators from the US, the UK, South Africa and the Netherlands has cracked it - use a seabird to do your recording for you. We hear from Olivier den Ouden at the Royal Netherlands Meteorological Institute to explain.

(Picture: Amancio and Marta Ortega. Picture credit: Getty Images.)

#### **TUE 23:00 BBC News (w172zxjx7dhdn6v)**

The latest five minute news bulletin from BBC World Service.

#### **TUE 23:06 People Fixing The World (w3ct1plv)**

[Repeat of broadcast at 08:06 today]

#### **TUE 23:30 BBC News Summary (w172zxkqp43brh7)**

The latest two minute news summary from BBC World Service.

#### **TUE 23:32 In the Studio (w3ct1tdz)**

[Repeat of broadcast at 04:32 today]

### **WEDNESDAY 01 DECEMBER 2021**

#### **WED 00:00 BBC News (w172zxjx7dhnhyz)**

The latest five minute news bulletin from BBC World Service.

#### **WED 00:06 The Arts Hour (w3ct1rxt)**

[Repeat of broadcast at 20:06 on Saturday]

#### **WED 01:00 BBC News (w172zxjx7dhnmq3)**

The latest five minute news bulletin from BBC World Service.

#### **WED 01:06 Business Matters (w172xvqq34d100t)**

Inflation fears for the US

Is America heading for an inflation crisis? US Federal Reserve, Jerome Powell, was in Washington DC on Tuesday, giving evidence at the US Senate's banking committee and said that the Omicron coronavirus variant poses increased uncertainty for inflation - we hear from Chris Low, Chief Economist at FHN Financial in New York. Plus, high street fashion giant Inditex has appointed the founder's daughter as its new chair. The firm owns brands including Zara and Massimo Dutti, and we find out what's behind the appointment of Marta Ortega from Dan Dombey of the Financial Times in Madrid. And oil and gas investment comes to small-town Louisiana but is it a win-win for the community? And we get wider context from the historian, journalist and author, Anne Applebaum. Plus, scientists have struggled for a long time to learn as much as they'd like about the world of infrasonic sound and now a team of research collaborators from the US, the UK, South Africa and the Netherlands has cracked it - use a seabird to do your recording for you. We hear from Olivier den Ouden at the Royal Netherlands Meteorological Institute. Plus, we're joined throughout the programme by Jyoti Malhotra, Senior Consulting Editor at The Print - she's in New Delhi. And Andy Uhler from Marketplace on American Public Media, is in Austin.

Picture of stock markets. Picture via Getty Images

#### **WED 02:00 BBC News (w172zxjx7dhnrg7)**

The latest five minute news bulletin from BBC World Service.

#### **WED 02:06 The Newsroom (w172xyxtw2mrcfh)**

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

#### **WED 02:30 BBC News Summary (w172zxkqp43c3qm)**

The latest two minute news summary from BBC World Service.

**WED 02:32 The Compass (w3ct2zhd)**  
My Arab Spring

Freedom - Hurriya

Across the region in 2011, protesters in their hundreds and thousands were all asking for the same thing - their freedom. Journalist Abubakr al-Shamahi and presenter Ella al-Shamahi examine how far human rights have progressed in the countries of the Arab Spring, turning first to the country so often held up as the success story of the Spring - Tunisia. Women were central to the mobilisation of protests here; Abubakr and Ella speak to activists and lawmakers to find out whether women are better off now than under Ben Ali's dictatorship, which crumbled in 2011.

Then to Egypt, where quickly after the euphoria that erupted with the ousting of Hosni Mubarak, Egyptians witnessed a military coup that plummeted the country into an even tougher political climate. How do Egyptians keep hope alive now?

Producers: Sasha Edye-Lindner and Gaia Caramazza

(Photo: Supporters of Nahda Movement attend a rally marking the eighth anniversary of the Arab Spring, Tunis. Credit: Yassine Gaidi/Anadolu Agency/Getty Images)

**WED 03:00 BBC News (w172xzjx7dhnw6c)**  
The latest five minute news bulletin from BBC World Service.

**WED 03:06 Outlook (w3ct1jx9)**  
[Repeat of broadcast at 12:06 on Tuesday]

**WED 03:50 Witness History (w3ct1x6b)**  
[Repeat of broadcast at 08:50 on Tuesday]

**WED 04:00 BBC News (w172xzjx7dhnzyh)**  
The latest five minute news bulletin from BBC World Service.

**WED 04:06 The Newsroom (w172xyxtw2mrlxr)**  
The world's Newsroom brings you global events as they happen

**WED 04:30 BBC News Summary (w172xzkqp43cc6w)**  
The latest two minute news summary from BBC World Service.

**WED 04:32 The Comb (w3ct2z2f)**  
Easing pain

Confronting the realities of care for patients with the most severe illnesses. Palliative care focuses on relieving patients' pain, and helping families to cope. Why is this aspect of healthcare so misunderstood?

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

**WED 05:00 BBC News (w172xzjx7dhp3pm)**  
The latest five minute news bulletin from BBC World Service.

**WED 05:06 Newsday (w172xv30gmy35qc)**  
Battle over abortion rights in US

We look at a big case in the battle over abortion rights in the US which begins at the Supreme Court, as Mississippi tries to overturn the landmark 1973 Roe vs Wade ruling.

Honduras gets a new President - she's taken over after her husband was ousted in a coup 12 years ago.

And a steel and concrete sculpture of an ancient goddess is about to be dropped into the sea off the Dominican Republic to create an artificial reef where most of the reefs have died.

**WED 06:00 BBC News (w172xzjx7dhp7fr)**  
The latest five minute news bulletin from BBC World Service.

**WED 06:06 Newsday (w172xv30gmy39gh)**  
Mississippi abortion rights case heads to US Supreme Court

Could a woman's right to have an abortion in the United States be overturned? That's what activists fear as the Supreme Court hears a key case from Mississippi. We'll hear from a woman who is begging the court to listen to women like her who have had abortions.

In France a controversial media personality from the far right has thrown his hat into the ring ahead of next year's Presidential elections.

And we'll hear from a member of Canada's maple syrup cartel about a shortage of the sweet stuff.

**WED 07:00 BBC News (w172xzjx7dhpc5w)**  
The latest five minute news bulletin from BBC World Service.

**WED 07:06 Newsday (w172xv30gmy3f6m)**  
US Supreme Court to hear arguments on Mississippi abortion rights

For the first time in nearly 30 years, the future of abortion rights in the United States will face its most significant test as the Supreme Court gets ready to hear a key case from Mississippi where they are seeking to ban abortions after 15 weeks of pregnancy.

We find out how countries around the world are facing up to the new Covid-19 variant; Omicron.

And a steel and concrete sculpture of an ancient goddess is about to be dropped into the sea off the Dominican Republic to create an artificial reef where most of the reefs have died.

**WED 08:00 BBC News (w172xzjx7dhpgy0)**  
The latest five minute news bulletin from BBC World Service.

**WED 08:06 HARDtalk (w3ct1nc7)**  
Ken Buck: Big tech and Republican politics

We speak to Republican congressman Ken Buck, a libertarian on issues of gun control and Covid, but a supporter of breaking up America's big tech giants. Do America's conservatives have a coherent worldview, and is Donald Trump still at the heart of it?

**WED 08:30 BBC News Summary (w172xzkqp43cv6d)**  
The latest two minute news summary from BBC World Service.

**WED 08:32 Business Daily (w3ct1jpp)**  
Wind of change in Germany

Can the ambitious renewable energy plans of the incoming government overcome domestic nimbysism and Russian gas politics?

Ed Butler hears from one member of the new left-liberal-green coalition, Social Democrat MP Jens Zimmermann, about their plans to phase out coal entirely by 2030, and replace 80% of electricity generation with wind and solar. But building new wind turbines already faces substantial red tape and vociferous opposition from bird conservation groups, as industry man Steffen Lackmann explains.

Meanwhile, how will the government tackle a more pressing matter - Russian President Vladimir Putin's alleged restriction of gas supplies to Europe this winter in order to force German approval for the new Nord Stream 2 pipeline. Ed speaks to Gustav Gressel, geopolitical analyst at the ECFR think tank, and to Melissa Eddy at the New York Times' Berlin bureau. Plus Yuri Vitrenko, head of Ukraine's gas pipeline company Naftogaz, explains why he fears approval of the pipeline could mean war in his country.

(Picture: Leaders of the incoming German government, including Chancellor-elect Olaf Scholz (centre), inadvertently reenact the opening scene from Reservoir Dogs; Credit: Odd Andersen/AFP via Getty Images)

**WED 08:50 Witness History (w3ct1x8l)**  
AZT: The breakthrough treatment for Aids

In 1987 the first successful drug treatment was developed for Aids. AZT went from initial test to approval in just over two years - at the time it was the fastest approval in US history. Claire Bowes talks to Dr Samuel Broder, the co-developer of AZT.

Picture: Dr Samuel Broder and President Ronald Reagan.  
Credit: Ronald Reagan Library

**WED 09:00 BBC News (w172xzjx7dhplp4)**  
The latest five minute news bulletin from BBC World Service.

**WED 09:06 The Compass (w3ct2zhd)**  
[Repeat of broadcast at 02:32 today]

**WED 09:30 BBC News Summary (w172xzkqp43cyyj)**  
The latest two minute news summary from BBC World Service.

**WED 09:32 Digital Planet (w3ct1lt1)**  
[Repeat of broadcast at 20:32 on Tuesday]

**WED 10:00 BBC News (w172xzjx7dhpqf8)**  
The latest five minute news bulletin from BBC World Service.

**WED 10:06 The Reith Lectures (w3ct2zp9)**  
What is AI and should we fear it?

In the first lecture, Stuart Russell, professor of Computer Science and founder of the Center for Human-Compatible Artificial Intelligence at the University of California, Berkeley, reflects on the birth of AI, tracing our thinking about it back to Aristotle. He will outline the definition of AI, its successes and failures, and potential risks for the future. Why do we often fear the potential of AI?

Referencing the representation of AI systems in film and popular culture, Russell will examine whether our fears are well founded. As professor Stephen Hawking said in 2014, "Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last, unless we learn how to avoid the risks." Russell will ask how those risks arise and whether they can be avoided, allowing humanity and AI to coexist successfully.

The lectures examine what Russell argues is the most profound change in human history as the world becomes increasingly reliant on super-powerful AI. Examining the impact of AI on jobs, military conflict and human behaviour, Russell argues that our current approach to AI is wrong and that if we continue down this path, we will have less and less control over AI at the same time as it has an increasing impact on our lives. How can we ensure machines do the right thing? The lectures suggest a way forward based on a new model for AI, one based on machines that learn about and defer to human preferences.

The lectures are chaired by presenter, journalist and author, Anita Anand.

**WED 11:00 BBC News (w172xzjx7dhpv5d)**  
The latest five minute news bulletin from BBC World Service.

**WED 11:06 The Newsroom (w172xyxtw2msg4n)**  
The world's Newsroom brings you global events as they happen

**WED 11:30 BBC News Summary (w172xzkqp43d6fs)**  
The latest two minute news summary from BBC World Service.

**WED 11:32 The Comb (w3ct2z2f)**  
[Repeat of broadcast at 04:32 today]

**WED 12:00 BBC News (w172xzjx7dhpysj)**  
The latest five minute news bulletin from BBC World Service.

**WED 12:06 Outlook (w3ct1jzk)**  
The Transy book heist

In 2004, American students Spencer Reinhard and Warren Lipka - along with two other friends - hatched an elaborate and oddball scheme to steal some of the world's rarest and most valuable books. Inspired by Hollywood heist thrillers and a desperate urge to escape their mundane suburban lives, they disguised themselves as old men and prepared to infiltrate the treasured archive of their own college library. However, everything that could go wrong, did. Their story is featured in the film American Animals. This interview was first broadcast in September 2018.

What can a doodle tell us about the person who drew it? Erik Kwakkel is a Dutch book historian who searches for the secret meanings of doodles and scribbles in medieval manuscripts. This interview was first broadcast in March 2017.

Presenter: Saskia Edwards  
Producer: Maryam Maruf

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

(Photo: Still from American Animals. Credit: The Orchard)

**WED 12:50 Witness History (w3ct1x8l)**  
[Repeat of broadcast at 08:50 today]

**WED 13:00 BBC News (w172xzjx7dhq2nn)**  
The latest five minute news bulletin from BBC World Service.

**WED 13:06 The Newsroom (w172xyxtw2mspmx)**

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

**WED 13:30 BBC News Summary (w172xzkqp43dfy1)**

The latest two minute news summary from BBC World Service.

**WED 13:32 Digital Planet (w3ct1lt1)**

[Repeat of broadcast at 20:32 on Tuesday]

**WED 14:00 BBC News (w172xjx7dhq6ds)**

The latest five minute news bulletin from BBC World Service.

**WED 14:06 Newshour (w172xv5gstr65qd)**

Supreme Court to hear latest challenge to US abortion laws

Mississippi state wants to ban all abortions after 15 weeks of pregnancy. The final ruling is due in June next year.

Also on the programme the EU sets out plans to invest than three hundred billion dollars on infrastructure, digital and climate projects around the world by 2027. But is this just too late to compete with China's Belt and Road Initiative? And we return to the northern city of Marib in Yemen and hear about the terrible conditions in that city's hospitals.

(Picture: Pro Choice and Pro Life campaigners in the US. Credit: Getty Images)

**WED 15:00 BBC News (w172xjx7dhqb4x)**

The latest five minute news bulletin from BBC World Service.

**WED 15:06 HARDtalk (w3ct1nc7)**

[Repeat of broadcast at 08:06 today]

**WED 15:30 BBC News Summary (w172xzkqp43dpf9)**

The latest two minute news summary from BBC World Service.

**WED 15:32 World Business Report (w172y4d00f5cf6k)**

EU outlines Global Gateway plans

The European Union has launched a global investment scheme to rival China's Belt and Road. We find out more about the Global Gateway project from Jonathan Holslag, professor in international politics at the Free University of Brussels. Also in the programme, the International Energy Agency has observed a record level of renewable power added to electricity grids around the world this year. Heymi Bahar is senior analyst at the IEA in Paris, and tells us which countries are outperforming the rest. The BBC's Adrienne Murray reports on Denmark's hopes for so-called green hydrogen as a means of meeting its climate goals. Plus, the Economist Intelligence Unit has published its latest global cost of living survey, and found Tel Aviv in Israel to be the world's most expensive city. We find out more from Dahlia Scheindlin, who lives in Tel Aviv, where she's an analyst at the independent think tank, Century International.

Today's edition is presented by Rob Young, and produced by Joshua Thorpe and Faarea Masud.

(Picture: European Commission president Ursula von der Leyen. Picture credit: Getty Images.)

**WED 16:00 BBC News (w172xjx7dhqfx1)**

The latest five minute news bulletin from BBC World Service.

**WED 16:06 BBC OS (w172xxxw9qm5f5vh)**

US abortion rights challenged

The law that effectively legalised abortion across the United States nearly 50 years ago is being challenged at the Supreme Court. Our correspondent is outside the court and explains what's at stake.

As countries around the world assess the threat posed by the Omicron coronavirus variant, we'll hear from Germany and Nigeria where Omicron cases have just been confirmed.

We'll also hear from people whose plans have now been disrupted by flight cancellations, travel bans and hotel quarantines.

Our reporter from BBC Persian talks about his interview with one of the two survivors from the boat that sank in the English Channel last week.

(Photo: Supreme Court Police officers guard a barrier between anti-abortion and pro-abortion rights protesters outside the court building, ahead of arguments in the Mississippi abortion rights case *Dobbs v. Jackson Women's Health*, in Washington, U.S., Dec 1, 2021. Credit: Jonathan Ernst/Reuters)

**WED 17:00 BBC News (w172xjx7dhqkn5)**

The latest five minute news bulletin from BBC World Service.

**WED 17:06 BBC OS (w172xxxw9qm5klm)**

Omicron variant: Travel restrictions

As countries around the world assess the threat posed by the Omicron coronavirus variant, we hear from people whose plans have now been disrupted by flight cancellations, travel bans and hotel quarantines.

The law that effectively legalised abortion across the United States nearly 50 years ago is being challenged at the Supreme Court. Our correspondent is outside the court and explains what's at stake.

Our reporter from BBC Persian talks about his interview with one of the two survivors from the boat that sank in the English Channel last week.

**WED 18:00 BBC News (w172xjx7dhqpd9)**

The latest five minute news bulletin from BBC World Service.

**WED 18:06 Outlook (w3ct1jzk)**

[Repeat of broadcast at 12:06 today]

**WED 18:50 Witness History (w3ct1x8l)**

[Repeat of broadcast at 08:50 today]

**WED 19:00 BBC News (w172xjx7dhqt4f)**

The latest five minute news bulletin from BBC World Service.

**WED 19:06 The Newsroom (w172xyxtw2mtf3p)**

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

**WED 19:30 BBC News Summary (w172xzkqp43f5dt)**

The latest two minute news summary from BBC World Service.

**WED 19:32 Sport Today (w172y0np8zgtyn5)**

2021/12/01 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 (w172xjx7dhqwxk)**

The latest five minute news bulletin from BBC World Service.

**WED 20:06 The Compass (w3ct2zhd)**

[Repeat of broadcast at 02:32 today]

**WED 20:30 BBC News Summary (w172xzkqp43f94y)**

The latest two minute news summary from BBC World Service.

**WED 20:32 Health Check (w3ct1nw8)**

Omicron Covid variant – what do we know?

Omicron Covid variant – what do we know? Claudia examines key questions about the new variant with Professor of Molecular Virology, Jonathan Ball.

Plus growing evidence that pollution has a negative effect on our mental health. And a new way of testing for TB in children.

Presenter: Claudia Hammond  
Producer: Erika Wright

(Image: Microscopic view of influenza virus cells. Photo credit: Panorama Images/Getty Images.)

**WED 21:00 BBC News (w172xjx7dhr1mp)**

The latest five minute news bulletin from BBC World Service.

**WED 21:06 Newshour (w172xv5gstr70y9)**

US Supreme Court hears landmark abortion case

The US Supreme Court is hearing arguments in the most important abortion case in decades. The case is about a Mississippi state law that bars abortion after 15 weeks of pregnancy. Lawyers defending the Mississippi law have explicitly asked the court to overturn two landmark decisions regarding abortion, including *Roe v Wade*. The ruling is expected in June and may see millions of women lose abortion access.

Also in the programme: We find out why the European Union is investing more than 300 billion dollars in infrastructure, digital and climate projects around the world to rival China's Belt and Road Initiative. And hear about vaccine hesitancy in South Africa, where the Omicron variant of Covid-19 was first detected.

(Photo: Pro Choice activists protests outside of the US Supreme Court as the high court prepares to hear arguments in a challenge to an abortion law in Mississippi that is a direct challenge to *Roe v Wade*. Credit: EPA/Samuel Corum)

**WED 22:00 BBC News (w172xjx7dhr5ct)**

The latest five minute news bulletin from BBC World Service.

**WED 22:06 The Newsroom (w172xyx0fc14gxs)**

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

**WED 22:20 Sports News (w172y0sshmh8jkl)**

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

**WED 22:30 BBC News Summary (w172xzkqp43fjm6)**

The latest two minute news summary from BBC World Service.

**WED 22:32 World Business Report (w172ycsysh9lmp)**

EU outlines Global Gateway plans

The European Union has launched a global investment scheme to rival China's Belt and Road. We find out more about the Global Gateway project from Jonathan Holslag, professor in international politics at the Free University of Brussels. Also in the programme, the International Energy Agency has observed a record level of renewable power added to electricity grids around the world this year. Heymi Bahar is senior analyst at the IEA in Paris, and tells us which countries are outperforming the rest. The BBC's Adrienne Murray reports on Denmark's hopes for so-called green hydrogen as a means of meeting its climate goals. Plus, the Economist Intelligence Unit has published its latest global cost of living survey, and found Tel Aviv in Israel to be the world's most expensive city. We find out more from Dahlia Scheindlin, who lives in Tel Aviv, where she's an analyst at the independent think tank, Century International.

(Picture: European Commission president Ursula von der Leyen. Picture credit: Getty Images.)

**WED 23:00 BBC News (w172xjx7dhr93y)**

The latest five minute news bulletin from BBC World Service.

**WED 23:06 HARDtalk (w3ct1nc7)**

[Repeat of broadcast at 08:06 today]

**WED 23:30 BBC News Summary (w172xzkqp43fndb)**

The latest two minute news summary from BBC World Service.

**WED 23:32 The Comb (w3ct2z2f)**

[Repeat of broadcast at 04:32 today]

**THURSDAY 02 DECEMBER 2021**

**THU 00:00 BBC News (w172xjx7dhrdwr2)**

The latest five minute news bulletin from BBC World Service.

**THU 00:06 The Documentary (w3ct2zhh)**

[Repeat of broadcast at 12:06 on Saturday]

**THU 01:00 BBC News (w172xjx7dhrjm6)**

The latest five minute news bulletin from BBC World Service.

**THU 01:06 Business Matters (w172xvqq34dnwxx)**

'Shelves will be stocked for the holidays'

President Biden seeks to reassure Americans that he is doing everything possible to ensure goods arrive in shops in time for the holidays. Sylvan Lane of The Hill explains the impact delays could have on inflation and Susan Schmidt of Aviva in Chicago explains the rocky impact on the markets. Also on the programme, the European Union has launched the Global Gateway, a global investment scheme to rival China's Belt and Road. Plus, the Women's Tennis Association suspends tennis tournaments in China amid concern for Chinese tennis player Peng Shuai.

Fergus Nicoll is joined by Yoko Ishikura is Professor Emeritus

at Hitotsubashi University and Ralph Silva of the Silva Research Network is with us from Toronto.

Producers : Vivienne Nunis and Nisha Patel

(Pic: Goods piled up at a port in Los Angeles Credit:VCG/ Getty

**THU 02:00 BBC News (w172xjx7dhrncb)**

The latest five minute news bulletin from BBC World Service.

**THU 02:06 The Newsroom (w172xyxtw2mv8bl)**

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

**THU 02:30 BBC News Summary (w172xzkqp43g0mq)**

The latest two minute news summary from BBC World Service.

**THU 02:32 Assignment (w3ct1gyb)**

Sleepless in Seoul

Korea is one of the most stressed and tired nations on earth, a place where people work and study longer hours than anywhere else. And statistics show they are finding it increasingly difficult to switch off and relax; they sleep fewer hours and have higher rates of depression and suicide than almost anywhere else.

And as a result sleeplessness and stress has become big business in Korea; from sleep clinics where doctors assess people overnight, to 'sleep cafes' offering naps in the middle of the working day, to relaxation drinks. Even Buddhism is moving in on the action with temple retreats and monk-led apps to help stressed out Koreans to relax. There is a lot of money to be made but some Koreans have become worried that in trying to sell religion to the next generation, some faith leaders might be losing touch with Buddhist principles themselves. For Assignment Se-Woong Koo reports from Seoul on a nation that's wired on staying awake. Producer, Chloe Hadjimatheou.

**THU 03:00 BBC News (w172xjx7dhrs3g)**

The latest five minute news bulletin from BBC World Service.

**THU 03:06 Outlook (w3ct1jzk)**

[Repeat of broadcast at 12:06 on Wednesday]

**THU 03:50 Witness History (w3ct1x8l)**

[Repeat of broadcast at 08:50 on Wednesday]

**THU 04:00 BBC News (w172xjx7dhrwvl)**

The latest five minute news bulletin from BBC World Service.

**THU 04:06 The Newsroom (w172xyxtw2mvhtv)**

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

**THU 04:30 BBC News Summary (w172xzkqp43g83z)**

The latest two minute news summary from BBC World Service.

**THU 04:32 The Food Chain (w3ct1rgn)**

How rationing changed me

Rationing looms large in the memories of a generation who lived through World War Two. Basic groceries were limited and getting enough food on the table became a daily challenge that went on long after the last bombs fell. Ruth Alexander brings together a German and an English woman, who grew up on opposite sides of the world's deadliest ever conflict, to share their recollections of wartime eating. What was it like struggling to find food, how did they adapt, and how has it changed their approach to food forever?

(Picture: Ingeborg Schreiber-Wyworski and Beryl Kingston, Credit: BBC)

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

Contributors: Ingeborg Schreiber-Wyworski and Beryl Kingston.

Presenter: Ruth Alexander

Producer: Sarah Stolarz

**THU 05:00 BBC News (w172xjx7dhs0lq)**

The latest five minute news bulletin from BBC World Service.

**THU 05:06 Newsday (w172xv2wtyzylzv)**

WTA suspends tennis tournaments in China over Peng Shuai

case

Peng Shuai disappeared from public view for three weeks after accusing former Vice-Premier Zhang Gaoli of sexual assault. WTA chief Steve Simon said he had "serious doubts" that Peng was "free, safe and not subject to intimidation". "In good conscience, I don't see how I can ask our athletes to compete there," he said.

The latest on Ugandan troops carrying out strikes against a rebel movement in the east of the Democratic Republic of Congo.

And Alec Baldwin has given his first major interview after the fatal shooting of a colleague on a film set.

**THU 06:00 BBC News (w172xjx7dhs4bv)**

The latest five minute news bulletin from BBC World Service.

**THU 06:06 Newsday (w172xv2wtyzyqqz)**

Omicron variant fuelling 'exponential' rise in Covid cases, say South Africa officials

Dr Michelle Groome of South Africa's National Institute for Communicable Diseases (NICD) said there had been an "exponential increase" in infections over the past two weeks, from a weekly average of around 300 new cases per day to 1,000 last week, and most recently 3,500. On Wednesday, South Africa recorded over 8,000 cases.

US Secretary of State Antony Blinken has warned Russia to stand down on its efforts to destabilize Ukraine adding there would be "severe consequences" for any Russian military action. His remarks come ahead of a meeting with Russian Foreign Minister Sergei Lavrov in Stockholm.

And why Britain's biggest spy agency, MI6, considers China its number one priority.

**THU 07:00 BBC News (w172xjx7dhs82z)**

The latest five minute news bulletin from BBC World Service.

**THU 07:06 Newsday (w172xv2wtyzyvh3)**

Rapid rise in Omicron infections, say South African health officials

Health officials in South Africa say there's been a sharp increase in the number of coronavirus infections across the country. The National Institute for Communicable Diseases said there had been an exponential increase in cases from a weekly average of 300 per day a fortnight ago to 3,500 per day. In the last 24 hours over 8,500 cases were recorded. It's believed the newly discovered Omicron variant may be fuelling the surge.

Any renewed Russian aggression in Ukraine would trigger "serious consequences," warns U.S. Secretary of State Antony Blinken during a visit to Latvia, where NATO foreign ministers assembled to discuss the recent build-up of Russian troops near the Ukrainian border. His comments come ahead of a meeting with Russian Foreign Minister Sergei Lavrov in Stockholm.

And in his first interview since the shooting on set of cinematographer Halyna Hutchins, actor Alec Baldwin says he didn't pull the trigger.

**THU 08:00 BBC News (w172xjx7dhs6v3)**

The latest five minute news bulletin from BBC World Service.

**THU 08:06 The Inquiry (w3ct1z2z)**

Are the US Democrats in big trouble?

When voters in Virginia elected a Republican as Governor they sent a wake-up call to President Biden and the Democrats. The handling of the pandemic and rising prices are harming the party's standing, while a move towards radical liberalism is also alienating some voters. So how likely is defeat at next year's mid-term elections? Tanya Beckett asks if the Democrats are in big trouble.

Contributors:

Sarah Baxter, former deputy editor, writer Sunday Times  
Thomas Edsall, adjunct professor, Columbia University  
Larry Sabato, professor of politics, director of the University of Virginia Center for Politics  
Robert Schlesinger, president, Schlesinger Communications

Presenter: Tanya Beckett

Producer: Sheila Cook

Researcher: Chris Blake

(Photo: President Biden at the COP26 climate change conference in Glasgow)

**THU 08:30 BBC News Summary (w172xzkqp43gr3h)**

The latest two minute news summary from BBC World Service.

**THU 08:32 Business Daily (w3ct1jb7)**

The collapse of Enron: Did we learn the lessons?

The collapse of the US energy giant Enron remains one of the most dramatic scandals in modern capitalism, but 20 years on did we learn any of the lessons from the fall of a corporate giant?

The BBC's Lesley Curwen covered the story every step of the way back in the 2000's right up to the company's collapse, and the jailing of some of its most senior executives. She takes Ed Butler back through Enron's tale of deceit, intimidation and collapse with archive and fresh interviews with some of the scandal's key figures.

And Ed hears from Dr Howard Schilit, of Schilit Forensics accountancy firm, a witness at Enron's Senate hearing and a man with a serious warning for the corporate world, two decades on from the Enron scandal.

Picture Credit: Getty Images

**THU 08:50 Witness History (w3ct1x42)**

South Africa and Aids drugs

At the end of the 1990s, hundreds of thousands of people in South Africa were still dying from HIV/Aids because effective drug treatments were prohibitively expensive for a developing country. Under pressure from Aids activists, the government of Nelson Mandela took the big international pharmaceutical companies to court over the right to import cheaper versions of Aids drugs. Bob Howard talks to Bada Pharasi, a former negotiator at South Africa's department of health.

(Photo: HIV/Aids activists demonstrate in front of an American consulate in South Africa in 2010. Credit: Getty Images)

**THU 09:00 BBC News (w172xjx7dhshl7)**

The latest five minute news bulletin from BBC World Service.

**THU 09:06 Assignment (w3ct1gyb)**

[Repeat of broadcast at 02:32 today]

**THU 09:30 BBC News Summary (w172xzkqp43gvvm)**

The latest two minute news summary from BBC World Service.

**THU 09:32 Health Check (w3ct1nw8)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 10:00 BBC News (w172xjx7dhsmbc)**

The latest five minute news bulletin from BBC World Service.

**THU 10:06 The Forum (w3ct1rm5)**

The original Goths

The Goths were a Germanic tribe infamous for their brief sack of Rome in 410 AD but their cultural and political influence was felt throughout Europe for centuries. They re-shaped the Balkans, preserved the Roman way of life in Italy and presided over a cultural flourishing in Spain. But how, many centuries after their demise, did they come to give their name to an important architectural style in medieval Europe and, in the 20th century, to a subculture popular all over the world?

Bridget Kendall talks all things Gothic with David Gwynn, historian at Royal Holloway, University of London, and author of *Goths, the Lost Civilisation*. Also on the panel are Janina Ramirez, a cultural historian, broadcaster and author who focuses on the Middle Ages, based at the University of Oxford, and Mischa Meier, professor of ancient history at the University of Tübingen in Germany.

**THU 10:50 Sporting Witness (w3ct1i96)**

The football wages revolution

In 1961, England's top players threatened strike action in order to force the Football League to scrap its limit on wages of 20 pounds a week. Their victory was a turning point for the sport as it ushered in the modern era of football mega-salaries. In 2011, Lucy Williamson spoke to the late Jimmy Armfield, a former star defender for Blackpool and England captain.

PHOTO: The late Jimmy Armfield in the early 1960s (Getty Images)

**THU 11:00 BBC News (w172xjx7dhsr2h)**

The latest five minute news bulletin from BBC World Service.

**THU 11:06 The Newsroom (w172xyxtw2mwc1r)**

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

**THU 11:30 BBC News Summary (w172xzkqp43h3bw)**

The latest two minute news summary from BBC World Service.

**THU 11:32 The Food Chain (w3ct1rgn)**

[Repeat of broadcast at 04:32 today]

**THU 12:00 BBC News (w172xzjx7dhtvmt)**

The latest five minute news bulletin from BBC World Service.

**THU 12:06 Outlook (w3ct1k42)**

The teenager who baked her way out of a crisis

When Kitty Tait was in her early teens, she started struggling with anxiety and depression. Her family tried various activities, like art and dog walking, to try and help her, but nothing worked. Then Kitty tried baking, and everything changed. Soon she was baking dozens of loaves, then hundreds, and her mental health improved on the way. When she was 15, alongside her father Alex, Kitty opened her own business, The Orange Bakery, and it's been a big hit in their English village. They have a book coming out called Breadsong.

Rajinder Singh is gaining a following on UK social media as the skipping Sikh. The 73-year-old started releasing exercise videos during lockdown, aimed at fellow Sikhs who were struggling with the isolation. He learned to skip from his father as a young boy, and the two bonded over fitness. When Rajinder left his father to travel to the UK, skipping became an important way to maintain a connection to his dad.

Geeta Phogat was the first Indian woman to win a gold medal for wrestling at the Commonwealth Games. A few years later she broke another record when she qualified for the London Olympics. Geeta's younger sisters and female cousins followed her lead. They have all been trained by Geeta's father, Mahavir, who used to be a wrestler himself. The extraordinary story of the Phogat family was turned into a movie, Dangal, which is the highest grossing Bollywood film of all time. They spoke to Matthew Bannister in 2017.

Presenter: Datshiane Navanayagam

(Photo: Kitty Tait. Credit: Mark Lord)

**THU 12:50 Witness History (w3ct1x42)**

[Repeat of broadcast at 08:50 today]

**THU 13:00 BBC News (w172xzjx7dhszkr)**

The latest five minute news bulletin from BBC World Service.

**THU 13:06 The Newsroom (w172xyxtw2mwlk0)**

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

**THU 13:30 BBC News Summary (w172xzkqp43hbv4)**

The latest two minute news summary from BBC World Service.

**THU 13:32 Health Check (w3ct1nw8)**

[Repeat of broadcast at 20:32 on Wednesday]

**THU 14:00 BBC News (w172xzjx7dht39w)**

The latest five minute news bulletin from BBC World Service.

**THU 14:06 Newshour (w172xv5gstr92mh)**

Omicron drives major surge in South Africa Covid cases

South African health officials say the emergence of the Covid variant, Omicron, appears to be leading to an increase in the number of people contracting the disease for a second time. We speak to a director of an ICU unit in Soweto to know what the situation is like on the ground and to an Africa's CDC advisor to have a continent perspective.

Also in the programme: the ramping deterioration of Venezuela's health system; and the United Nations is today calling for a record \$41 billion to fund its humanitarian work next year. We will focus on Syria.

(Photo: A Soweto resident walks in front of an informative graffiti artwork educating local Soweto residents about the dangers of the coronavirus, Johannesburg, South Africa. Credit: EPA.)

**THU 15:00 BBC News (w172xzjx7dht720)**

The latest five minute news bulletin from BBC World Service.

**THU 15:06 The Inquiry (w3ct1z2z)**

[Repeat of broadcast at 08:06 today]

**THU 15:30 BBC News Summary (w172xzkqp43hblb)**

The latest two minute news summary from BBC World Service.

**THU 15:32 World Business Report (w172y49jp7cddts)**

WTA suspends China tennis tournaments

Amid concern about tennis player Peng Shuai, the WTA has suspended its China tennis events. We explore the financial implications with Dr Dan Plumley, lecturer in sport finance at Sheffield Hallam University. Also in the programme, 20 years on from the collapse of the US energy giant Enron, the BBC's Lesley Curwen considers whether lessons have been learned from the fall of a corporate giant. Plus, the Omicron variant of coronavirus is causing concern for some companies about whether to proceed with Christmas party plans. We find out more from Alex Hewitt, chief executive of AOK Events, which plans parties for corporate clients.

Today's edition is presented by Rob Young, and produced by Gareth Barlow, Nisha Patel, Philippa Goodrich and Vishala Sri-Pathma.

(Picture: Peng Shuai. Picture credit: EPA.)

**THU 16:00 BBC News (w172xzjx7dhtb4)**

The latest five minute news bulletin from BBC World Service.

**THU 16:06 BBC OS (w172xxxw9qm8brl)**

New Covid rules in Germany

Germany has announced plans for tough restrictions on the lives of people who have not been vaccinated against Covid-19. They would be banned from cultural and leisure facilities and non essential shops, and vaccination could be made mandatory by February next year, if parliament approves the measure. We'll hear what's been the reaction to the announcement.

Health officials in South Africa say that Omicron has now become the dominant strain there, and it's driving a sharp increase in new infections. We'll speak to a doctor in the province of Gauteng where the majority of the new infections are.

We also hear reaction from tennis fans after the Women's Tennis Association suspended tournaments in China over concern for Chinese tennis player Peng Shuai.

We'll also bring together people who are currently considering whether to cancel social gatherings like Christmas parties because of the emergence of the Omicron variant.

(Photo: North Rhine-Westphalia's State Premier Hendrik Wuest, Berlin's Mayor Michael Mueller, German Chancellor Angela Merkel and her designated successor Olaf Scholz arrive to address a news conference following a meeting with the heads of government of Germany's federal states at the Chancellery in Berlin December 2, 2021 on measures to curb the COVID-19 pandemic. Credit: John MacDougall/Pool via REUTERS)

**THU 17:00 BBC News (w172xzjx7dhtgk8)**

The latest five minute news bulletin from BBC World Service.

**THU 17:06 BBC OS (w172xxxw9qm8gqk)**

Omicron variant: Social gatherings

We bring together people who are considering whether to cancel social gatherings like Christmas parties because of the emergence of the Omicron variant.

Germany has announced plans for tough restrictions on the lives of people who have not been vaccinated against Covid-19. We hear about the reaction.

Health officials in South Africa say that Omicron has now become the dominant strain there, and it's driving a sharp increase in new infections. We'll speak to a doctor in the province of Gauteng where the majority of the new infections are.

We'll also talk about the concerns about the plunge in the value of the currency the lira, and how it's affecting people's lives.

(Photo: An employee of a Christmas market next to Cologne Cathedral checks a 2G rule status of visitors, as the spread of the coronavirus disease (COVID-19) continues in Cologne, Germany, December 1, 2021. Credit: Thilo Schmuelgen/Reuters)

**THU 18:00 BBC News (w172xzjx7dhtl9d)**

The latest five minute news bulletin from BBC World Service.

**THU 18:06 Outlook (w3ct1k42)**

[Repeat of broadcast at 12:06 today]

**THU 18:50 Witness History (w3ct1x42)**

[Repeat of broadcast at 08:50 today]

**THU 19:00 BBC News (w172xzjx7dhtq1j)**

The latest five minute news bulletin from BBC World Service.

**THU 19:06 The Newsroom (w172xyxtw2mxb0s)**

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

**THU 19:30 BBC News Summary (w172xzkqp43j29x)**

The latest two minute news summary from BBC World Service.

**THU 19:32 Sport Today (w172y0np8zgxkvw)**

2021/12/02 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 (w172xzjx7dhttsn)**

The latest five minute news bulletin from BBC World Service.

**THU 20:06 Assignment (w3ct1gyb)**

[Repeat of broadcast at 02:32 today]

**THU 20:30 BBC News Summary (w172xzkqp43j621)**

The latest two minute news summary from BBC World Service.

**THU 20:32 Science in Action (w3ct1l4p)**

Omicron, racism and trust

South Africa announced their discovery of the Omicron variant to the world as quickly as they could. The response from many nations was panic and the closure of transport links with southern Africa. Tulio de Oliveira who made the initial announcement and leads South Africa's Centre for Epidemic Response and Innovation tells us this is now having a negative effect on the country, with cases rising but vital supplies needed to tackle the virus not arriving thanks to the blockade.

Omicron contains many more mutations than previous variants. However scientists have produced models in the past which can help us understand what these mutations do. Rockefeller University virologist Theodora Hatzioannou produced one very similar to Omicron and she tells us why the similarities are cause for concern.

Science sleuth Elisabeth Bik and Mohammad Razai, professor of Primary Care in St George's University in London have just been awarded the John Maddox Prize for their campaigning investigations in science. Elisabeth is particularly concerned with mistakes, deliberate or accidental in scientific publications, and Mohammad structural racism in approaches to healthcare.

Laura Figueroa from University of Massachusetts in Amherst in the US, has been investigating bees' digestive systems. Though these are not conventional honey bees, they are Costa Rican vulture bees. They feed on rotting meat, but still produce honey.

Presenter: Roland Pease

Producer: Julian Siddell

(Photo: Vaccination centre in South Africa administering Covid-19 vaccine after news of Omicron variant. Credit: Xabiso Mkhabela/Anadolu Agency/Getty Images)

**THU 21:00 BBC News (w172xzjx7dhtyjs)**

The latest five minute news bulletin from BBC World Service.

**THU 21:06 Newshour (w172xv5gstr9xvd)**

Covid: Germany announces restrictions for unvaccinated

Germany's national and regional leaders have agreed to bar unvaccinated people from much of public life in a bid to fend off a fourth wave of Covid-19. Only those who have been vaccinated or who've recently recovered from Covid will be allowed in restaurants, cinemas, leisure facilities and many shops.

Also on the programme: the South African intensive care doctor seeing the effects of the Omicron wave; and how 'atmospheric

rivers' are behind the extreme weather in British Columbia, Canada.

(Photo: Germany's outgoing Chancellor Angela Merkel holds a rose after attending a Grand Tattoo of the German armed forces Bundeswehr at the Defence Ministry in Berlin, Germany, on 2 December 2021. Credit: Reuters / Bensch)

**THU 22:00 BBC News (w172xjx7dhv28x)**

The latest five minute news bulletin from BBC World Service.

**THU 22:06 The Newsroom (w172xy0fc17ctw)**

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

**THU 22:20 Sports News (w172y0sshmfcg)**

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

**THU 22:30 BBC News Summary (w172xkqp43jfk9)**

The latest two minute news summary from BBC World Service.

**THU 22:32 World Business Report (w172y3y1wq63h)**

WTA suspends China tennis tournaments

Amid concern about tennis player Peng Shuai, the WTA has suspended its China tennis events. We explore the financial implications with Dr Dan Plumley, lecturer in sport finance at Sheffield Hallam University. Also in the programme, 20 years on from the collapse of the US energy giant Enron, the BBC's Lesley Curwen considers whether lessons have been learned from the fall of a corporate giant. Plus, the Omicron variant of coronavirus is causing concern for some companies about whether to proceed with Christmas party plans. We find out more from Alex Hewitt, chief executive of AOK Events, which plans parties for corporate clients.

(Picture: Peng Shuai. Picture credit: EPA.)

**THU 23:00 BBC News (w172xjx7dhv611)**

The latest five minute news bulletin from BBC World Service.

**THU 23:06 The Inquiry (w3ct1z2z)**

[Repeat of broadcast at 08:06 today]

**THU 23:30 BBC News Summary (w172xkqp43jk9f)**

The latest two minute news summary from BBC World Service.

**THU 23:32 The Food Chain (w3ct1rgn)**

[Repeat of broadcast at 04:32 today]

**FRIDAY 03 DECEMBER 2021**

**FRI 00:00 BBC News (w172xjx7dhv9s5)**

The latest five minute news bulletin from BBC World Service.

**FRI 00:06 The Forum (w3ct1rm5)**

[Repeat of broadcast at 10:06 on Thursday]

**FRI 00:50 Sporting Witness (w3ct1l96)**

[Repeat of broadcast at 10:50 on Thursday]

**FRI 01:00 BBC News (w172xjx7dhvfj9)**

The latest five minute news bulletin from BBC World Service.

**FRI 01:06 Business Matters (w172xvqq34drsv0)**

Enron's collapse 20 years on

It has been 20 years since the spectacular collapse of what was the seventh biggest company in the USA - Enron. The demise of the US energy giant remains one of the most dramatic scandals in modern capitalism - but two decades on, we ask if we learned any lessons from the fall of a corporate giant. US market regulators announce the adoption of a rule allowing them to delist foreign companies from Wall Street exchanges if they fail to provide information to auditors, which is aimed primarily at Chinese firms. The BBC's Samira Hussain tells us more. As concern about the Omicron variant grows, pharmaceutical companies are being asked to give up their vaccine patents and share the formulas more widely, so more of the world's population can be vaccinated. We speak with Rosa Pavanelli, the general secretary of Public Services International, the global union representing workers in healthcare. Finally, we assess the corporate risk for businesses who fear a load of staff becoming infected during Christmas parties. We discuss all this

live with Maneet Ahuja, senior editor at Forbes in New York, and Rebecca Choong Wilkins of Bloomberg, a specialist in Chinese debt - she's in Hong Kong.

Presented by Fergus Nicoll and produced by Vivienne Nunis and Faarea Masud.

(Image: Enron's logo in Houston, Texas. Credit: James Nielsen/ AFP/ Getty Images)

**FRI 02:00 BBC News (w172xjx7dhvk8f)**

The latest five minute news bulletin from BBC World Service.

**FRI 02:06 The Newsroom (w172xyxtw2my57p)**

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

**FRI 02:30 BBC News Summary (w172xkqp43jxjt)**

The latest two minute news summary from BBC World Service.

**FRI 02:32 World Football (w3ct1v01)**

Big wins, Louis Saha and coaching in the Highlands

The former Manchester United striker Louis Saha remembers playing for Sir Alex Ferguson. We hear from the new coach of Fort William, a club in the Scottish Highlands once described as the worst team in Britain. And the former Australia international Alicia Ferguson discusses some one-sided results in the latest round of women's World Cup qualifiers.

Picture on website: Louis Saha and Sir Alex Ferguson share a joke during training ahead of a UEFA Champions League match against Lille (Matthew Peters/Manchester United via Getty Images)

**FRI 03:00 BBC News (w172xjx7dhvp0k)**

The latest five minute news bulletin from BBC World Service.

**FRI 03:06 Outlook (w3ct1k42)**

[Repeat of broadcast at 12:06 on Thursday]

**FRI 03:50 Witness History (w3ct1x42)**

[Repeat of broadcast at 08:50 on Thursday]

**FRI 04:00 BBC News (w172xjx7dhvsrcp)**

The latest five minute news bulletin from BBC World Service.

**FRI 04:06 The Newsroom (w172xyxtw2mydqy)**

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

**FRI 04:30 BBC News Summary (w172xkqp43k512)**

The latest two minute news summary from BBC World Service.

**FRI 04:32 Heart and Soul (w3ct2zv9)**

America's abortion wars

Jan was 33 when she had an abortion. She now believes she murdered her child and works with Catholic organisations to get the procedure banned. Erika was 14 when she terminated her first pregnancy. She is now a church minister and believes God wants her to fight to protect the rights of women to choose an abortion. Across America women and churches are divided on the issue. And it's coming to a head as many states, emboldened by recently appointed conservative justices on the Supreme Court, are attempting to undermine federal protections.

Jane O'Brien went to Texas where the procedure has been banned after six weeks - long before most women even know they're pregnant. She spoke with women of faith on both sides of the debate who believe God is on their side as America's abortion wars intensify.

(Photo: Pro-choice demonstrators at the Supreme Court in Washington DC. Credit: Jane O'Brien)

**FRI 05:00 BBC News (w172xjx7dhvxht)**

The latest five minute news bulletin from BBC World Service.

**FRI 05:06 Newsday (w172xv30gmy8zjk)**

WHO warns all countries are likely to see Omicron surges

We go to India which has become the latest country to record cases of the variant.

Afghanistan's former president Hamid Karzai tells the girls of his country to ignore the Taliban's ban on female education and

go back to school.

And we'll tell you about Mount Vesuvius' last fugitive - a new archaeological find of great significance.

**FRI 06:00 BBC News (w172xjx7dhw17y)**

The latest five minute news bulletin from BBC World Service.

**FRI 06:06 Newsday (w172xv30gmy938p)**

Germany: unvaccinated banned from shops and bars

New rules mean unvaccinated Germans will also only be allowed to meet with up to two other people who are not in their household.

Pope Francis is in Cyprus and has promised refuge to dozens of migrants who have sought refuge on the island.

And a Nigerian firm has launched a special food fund to address food insecurity across the country... We'll find out how it will work.

**FRI 07:00 BBC News (w172xjx7dhw502)**

The latest five minute news bulletin from BBC World Service.

**FRI 07:06 Newsday (w172xv30gmy970t)**

Omicron: does previous Covid infection give you protection?

A South African scientist explains what their research tells us about the new strain as the World Health Organisation says all countries must prepare for new surges of Covid 19 because of the Omicron variant.

Marching soldiers - and punk music - are part of the ceremonies to bid farewell to Angela Merkle in Germany after her 16 years as chancellor.

And how Cristiano Ronaldo became the first player to score 800 top level career goals, as he led Manchester United in their defeat of Arsenal last night.

**FRI 08:00 BBC News (w172xjx7dhw8r6)**

The latest five minute news bulletin from BBC World Service.

**FRI 08:06 HARDtalk (w3ct1n5v)**

REM lead singer Michael Stipe

Michael Stipe was the lead singer of one of the most influential bands of the last four decades, REM. He was the figurehead of indie rock, enigmatic, serious, political. Now he's a visual artist, so how has his creative vision evolved?

**FRI 08:30 BBC News Summary (w172xkqp43kn0l)**

The latest two minute news summary from BBC World Service.

**FRI 08:32 Business Daily (w3ct1j16)**

The Omicron variant and vaccine inequality

Could a more equitable global vaccine rollout have stopped the new variant? As the world waits for more information about just how contagious and dangerous the new Covid-19 variant is, we ask if the emergence of a variant like Omicron could have been avoided - or at least slowed - if people all around the world had been vaccinated at the same pace. Instead, richer countries race to give booster vaccines to their own populations as many poorer countries are still waiting to receive their first jabs.

Tamasin Ford hears from Dr. Richard Mihigo, who coordinates the WHO's immunisation and vaccine development programme in Africa. He says it's not just about shipping jabs to countries; the international community could also step up to help with planning and logistics for the distribution of vaccines. Dr. Atiya Mosam, a public health specialist in South Africa, was disappointed in the way the world reacted when news the new variant came out of her country. She argues that the travel bans that many countries quickly imposed are both discriminatory and ineffective. She also worries that many South African scientists feel they have been punished for being open and honest with the world about their discovery. Dr Meru Sheel, an epidemiologist at the Australian National University, says the issue of vaccine inequality should have been fixed many months ago. She says the vaccines should be evenly distributed because it makes the most sense from a public health perspective, and also because it's the ethical thing to do.

(Image: Passengers at Cape Town airport in South Africa on 29 November 2021. Source: David Silverman/Getty Images)

**FRI 08:50 Witness History (w3ct1wzk)**

Derek Jarman

One of the first high-profile artists to speak openly about having Aids was the British experimental film-maker, Derek Jarman. Jarman had made his name in the 1970s by directing Sebastiane, the first openly gay film in British cinema history. Vincent Dowd speaks to Keith Collins who lived with Jarman during his final years, and cared for him up to his death in 1994.

(Photo: Derek Jarman. Credit: Getty Images)

**FRI 09:00 BBC News (w172zxxj7dhwdb)**

The latest five minute news bulletin from BBC World Service.

**FRI 09:06 Tech Tent (w3ct1nh)**

@jack exits Twitter

What next for the social media platform after Jack Dorsey quits? the BBC's tech reporter in Silicon Valley James Clayton tells us why Jack Dorsey has left as CEO, and the challenges facing Twitter under new boss Parag Agrawal. Plus Jane Wakefield speaks to an Afghan student turning to the Internet to continue her education under Taliban rule, and we hear from the company forging ahead with plans to deliver Internet networks with balloons, despite Google's abandoning of the project. With BBC tech reporter Shiona McCallum.

(Photo: Twitter CEO Jack Dorsey addresses students during at the Indian Institute of Technology (IIT), New Delhi. Credit: Anushree Fadnavis/Reuters)

**FRI 09:30 BBC News Summary (w172zxxkq43krrq)**

The latest two minute news summary from BBC World Service.

**FRI 09:32 Science in Action (w3ct114p)**

[Repeat of broadcast at 20:32 on Thursday]

**FRI 10:00 BBC News (w172zxxj7dhwj7g)**

The latest five minute news bulletin from BBC World Service.

**FRI 10:06 The Real Story (w3ct1htf)**

Omicron: Did Africa get a raw deal?

The emergence of the Omicron variant has once again highlighted the difficulty in preventing the pandemic from spreading across the globe. Health experts have long argued that regions like southern Africa, where the variant was first detected, are prone to dangerous mutations of the virus when large groups of people are left unvaccinated. Only a tenth of Africa's billion plus population have received their first dose and the continent is yet to create its own Covid vaccines. African nations are reliant on vaccines from the international alliance Covax but the supply is far less than what's required. Meanwhile many on the continent have opted to pursue traditional remedies, with some denying the existence of the virus altogether. So what's the road ahead for Africa as it tries to overcome the pandemic? What sort of public engagement is required to reduce vaccine hesitancy? And how is the fight against Covid made more difficult by other health emergencies?

Ritula Shah is joined by a panel of experts.  
Producers: Paul Schuster and Junaid Ahmed.

**FRI 11:00 BBC News (w172zxxj7dhwzml)**

The latest five minute news bulletin from BBC World Service.

**FRI 11:06 The Newsroom (w172xyxtw2mz7yv)**

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

**FRI 11:30 BBC News Summary (w172zxxkq43107z)**

The latest two minute news summary from BBC World Service.

**FRI 11:32 World Football (w3ct1v01)**

[Repeat of broadcast at 02:32 today]

**FRI 12:00 BBC News (w172zxxj7dhwqrq)**

The latest five minute news bulletin from BBC World Service.

**FRI 12:06 The Fifth Floor (w3ct20fy)**

China surveillance system unpicked

The use of surveillance systems in China is not new, but a recent document published by local authorities in the province of Henan gave explicit details of a traffic light system, targeting international students and journalists, among others. Howard Zhang, from BBC Chinese tells us more.

Siberian husky or Andean fox?

A Peruvian family in Lima bought a puppy they believed was a Siberian Husky. But when Run Run began eating the neighbours' chickens and guinea pigs they realised something was wrong, as BBC Mundo contributor Martin Riepl explains.

Why it's hard to recruit women to Liberia's army  
Liberia is trying to recruit 200 women to join the army. There are no shortage of takers - 7,000 turned out for a training event - but historically it's proved hard to find women who make the grade, as BBC Africa stringer Jonathan Paye-Leyleh in Monrovia reports.

Luxor's Avenue of the Sphinxes

Pharaonic chariots and massed ranks of performers featured in the lavish ceremony to mark the reopening of the 3,000 year old Avenue of Sphinxes in Luxor, Egypt. Reda Al Mawy of BBC Arabic explains the history, and modern day relevance, of the site.

Deportivo Palestino's going home

In 1920 Palestinian immigrants in Chile founded the 'Deportivo Palestino' football club in Santiago. A century later the club has opened its first training academy in Ramallah, in the Palestinian Territories. BBC Arabic reporter Alaa Deraghme and BBC Mundo contributor Paula Molina tells us more about the club's history and new venture.

(Photo: Man setting up a camera. Credit: Reuters)

**FRI 12:50 Witness History (w3ct1wzk)**

[Repeat of broadcast at 08:50 today]

**FRI 13:00 BBC News (w172zxxj7dhwgwg)**

The latest five minute news bulletin from BBC World Service.

**FRI 13:06 The Newsroom (w172xyxtw2mzhg3)**

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

**FRI 13:30 BBC News Summary (w172zxxkq4317r7)**

The latest two minute news summary from BBC World Service.

**FRI 13:32 Science in Action (w3ct114p)**

[Repeat of broadcast at 20:32 on Thursday]

**FRI 14:00 BBC News (w172zxxj7dhw06z)**

The latest five minute news bulletin from BBC World Service.

**FRI 14:06 Newshour (w172xv5gstrecjl)**

Covid: South Africa battles Omicron variant

South African health officials say coronavirus cases are surging at an unprecedented rate, as the Omicron variant takes hold. The World Health Organisation says all nations must prepare for a surge in infections.

Also on the programme: Environmental campaigners welcome a decision by the energy giant Shell to pull out of a new oil project in the North Sea; why China's version of Uber is switching its listing from New York to Hong Kong; and little-known story of the 18th century slave rebellion that nearly succeeded.

(Photo credit: Getty Images)

**FRI 15:00 BBC News (w172zxxj7dhw3z3)**

The latest five minute news bulletin from BBC World Service.

**FRI 15:06 HARDtalk (w3ct1n5v)**

[Repeat of broadcast at 08:06 today]

**FRI 15:30 BBC News Summary (w172zxxkq431h7h)**

The latest two minute news summary from BBC World Service.

**FRI 15:32 World Business Report (w172y472c1kfdg0)**

Shell pulls out of Cambo oil field development

Shell has pulled out of the controversial Cambo oil field development west of Shetland. The oil giant said that developing the field was uneconomical, and we get the background to the decision from Jane Rangel, who is an oil and gas analyst with Energy Aspects. Also in the programme, the US economy added a weaker than expected 210,000 jobs in November. The BBC's Michelle Fleury talks us through the latest data, and Mike Johnson reports on what's been described as the Great Resignation, where people are quitting their jobs in record numbers, and asks whether it is a permanent change in how we think about work. Plus, a new \$6bn high speed rail link

has opened between China and the capital of Laos, Vientiane. Ruth Banomyong is professor of logistics at Thammasat Business School in Bangkok, and discusses the implications.

Today's edition is presented by Rahul Tandon, and produced by Joshua Thorpe, Matthew Davies and Philippa Goodrich.

(Picture: A North sea oil platform. Picture credit: Getty Images.)

**FRI 16:00 BBC News (w172zxxj7dhw7q7)**

The latest five minute news bulletin from BBC World Service.

**FRI 16:06 BBC OS (w172xxxw9qmc7np)**

A week of Omicron

Our global health reporter will update us on the latest reported cases of the Omicron Covid-19 variant around the world and the different responses countries are now taking. We'll also hear from our correspondent in South Africa, as the country continues to see a steep rise in infections, driven by the new variant.

As countries assess the threat of Omicron, many have moved to speed up vaccine rollouts and booster programmes. But developing world access and distribution continues to be an issue. We're going to spend time in Malaysia to find out why it has one of the highest vaccination rates globally, on the day that it reported its first Omicron case. How has Malaysia done it? We speak to two doctors.

Also, we go to Nigeria to talk about the story of a 12-year-old boy who was allegedly beaten to death in school after refusing to join a 'cult'. We speak to our team in Lagos to hear the different accounts of what happened and reflect the big response online from Nigerians.

Picture: A woman in Hanoi, Vietnam, reads a newspaper featuring an article about the Omicron variant (EPA/LUONG THAI LINH)

**FRI 17:00 BBC News (w172zxxj7dhwxcgc)**

The latest five minute news bulletin from BBC World Service.

**FRI 17:06 BBC OS (w172xxxw9qmcddt)**

Vaccinating Malaysia

As countries assess the threat of Omicron, many have moved to speed up vaccine rollouts and booster programmes. But developing world access and distribution continues to be an issue. We're going to spend time in Malaysia to find out why it has one of the highest vaccination rates globally, on the day that it reported its first Omicron case. How has Malaysia done it? We speak to two doctors.

Our global health reporter will update us on the latest reported cases of the Omicron Covid-19 variant around the world and the different responses countries are now taking. We'll also hear from our correspondent in South Africa, as the country continues to see a steep rise in infections, driven by the new variant.

And we go to Afghanistan where the Taliban have issued a decree calling for serious action to enforce women's rights in the country. The order says women are not property but 'free human beings'. However they fail to mention access to employment or anything about secondary education. We'll speak to our colleagues from BBC Afghan and hear what some Afghan women think.

Picture: Mask-wearing on the streets of Kuala Lumpur, Malaysia (EPA / FAZRY ISMAIL)

**FRI 18:00 BBC News (w172zxxj7dhwkh6h)**

The latest five minute news bulletin from BBC World Service.

**FRI 18:06 The Fifth Floor (w3ct20fy)**

[Repeat of broadcast at 12:06 today]

**FRI 18:50 Witness History (w3ct1wzk)**

[Repeat of broadcast at 08:50 today]

**FRI 19:00 BBC News (w172zxxj7dhwlym)**

The latest five minute news bulletin from BBC World Service.

**FRI 19:06 The Newsroom (w172xyxtw2n06xw)**

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

**FRI 19:30 BBC News Summary (w172zxxkq431z70)**

The latest two minute news summary from BBC World Service.

**FRI 19:32 Sport Today (w172y0np8zh0grz)**  
2021/12/03 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 (w172xzjx7dhxqpr)**

The latest five minute news bulletin from BBC World Service.

**FRI 20:06 Tech Tent (w3ct1nhy)**

[Repeat of broadcast at 09:06 today]

**FRI 20:30 BBC News Summary (w172xzkqp43m2z4)**

The latest two minute news summary from BBC World Service.

**FRI 20:32 CrowdScience (w3cszv68)**

What makes stuff sticky?

What makes things sticky? Listener Mitch from the USA began wondering while he was taking down some very sticky wallpaper. Our world would quite literally fall apart without adhesives. They are almost everywhere – in our buildings, in our cars and in our smartphones. But how do they hold things together?

To find out, presenter Marnie Chesterton visits a luthier, Anette Fajardo, who uses animal glues every day in her job making violins. These glues have been used since the ancient Egyptians – but adhesives are much older than that. Marnie speaks to archaeologist Dr Geeske Langejans from Delft University of Technology about prehistoric glues made from birch bark, dated to 200,000 years ago. She goes to see a chemist, Prof Steven Abbott, who helps her understand why anything actually sticks to anything else. And she speaks to physicist Dr Ivan Vera-Marun at the University of Manchester, about the nanotechnologists using adhesion at tiny scales to make materials of the future.

Presented by Marnie Chesterton. Produced by Anand Jagatia for BBC World Service

This episode was originally broadcast on 2nd October 2020

**FRI 21:00 BBC News (w172xzjx7dhxvfw)**

The latest five minute news bulletin from BBC World Service.

**FRI 21:06 Newshour (w172xv5gstrdrh)**

The new variant drives a sharp increase in infections at an unprecedented rate - so will it become dominant worldwide?

Also in the programme: Who appears to be gaining the upper-hand in the war in Ethiopia? And Stephen Spielberg decides to make another film adaptation of the US musical West Side Story.

(Photo: A woman wears a protective face mask as the new Covid-19 variant Omicron spreads in South Africa. Credit: REUTERS/Siphiwe Sibeko)

**FRI 22:00 BBC News (w172xzjx7dhxz60)**

The latest five minute news bulletin from BBC World Service.

**FRI 22:06 The Newsroom (w172xyx0fc1b8qz)**

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

**FRI 22:20 Sports News (w172y0sshmhgbcn)**

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

**FRI 22:30 BBC News Summary (w172xzkqp43mbgd)**

The latest two minute news summary from BBC World Service.

**FRI 22:32 World Business Report (w172yrc9hb93sl9)**

Shell pulls out of Cambo oil field development

Shell has pulled out of the controversial Cambo oil field development west of Shetland. The oil giant said that developing the field was uneconomical, and we get the background to the decision from Jane Rangal, who is an oil and gas analyst with Energy Aspects. Also in the programme, the US economy added a weaker than expected 210,000 jobs in November. The BBC's Michelle Fleury talks us through the latest data, and Mike Johnson reports on what's been described as the Great Resignation, where people are quitting their jobs in

record numbers, and asks whether it is a permanent change in how we think about work. Plus, a new \$6bn high speed rail link has opened between China and the capital of Laos, Vientiane. Ruth Banomyong is professor of logistics at Thammasat Business School in Bangkok, and discusses the implications.

(Picture: A North sea oil platform. Picture credit: Getty Images.)

**FRI 23:00 BBC News (w172xzjx7dhy2y4)**

The latest five minute news bulletin from BBC World Service.

**FRI 23:06 HARDtalk (w3ct1n5v)**

[Repeat of broadcast at 08:06 today]

**FRI 23:30 BBC News Summary (w172xzkqp43mg6j)**

The latest two minute news summary from BBC World Service.

**FRI 23:32 World Football (w3ct1v01)**

[Repeat of broadcast at 02:32 today]