

SATURDAY 23 OCTOBER 2021

SAT 00:00 Midnight News (m0010nfv)

The latest news and weather forecast from BBC Radio 4.

SAT 00:30 Manifesto by Bernardine Evaristo (m0010nvh)

Episode 5

Bernardine Evaristo took her rightful place in the spotlight when she won the Booker Prize in 2019 with 'Girl, Woman, Other'. Now the trailblazing author, teacher and activist charts how she made history, her way.

As she shares her manifesto for those who want to make their mark, Evaristo lays out the influences, traits and tenacity that led her to success.

Written and read by Bernardine Evaristo

Abridged by Patricia Cumper

Producer: Eilidh McCreadie

SAT 00:48 Shipping Forecast (m0010nkv)

The latest weather reports and forecasts for UK shipping.

SAT 01:00 Selection of BBC World Service Programmes (m0010nvm)

BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

SAT 05:20 Shipping Forecast (m0010nvp)

The latest weather reports and forecasts for UK shipping.

SAT 05:30 News Briefing (m0010nvr)

The latest news from BBC Radio 4

SAT 05:43 Prayer for the Day (m0010nvt)

A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff.

SAT 05:45 In My Head (b0bhj84v)

The Bomb Disposal Officer

Bosnian bomb disposal officer Sead Vrana has to detect and dispose of a powerful anti-tank warhead hidden high in the mountains above Sarajevo, on the former front line of the Bosnian War.

Episode two of a new series of immersive features which allow the listener to step into the world of a compelling character with an extraordinary job. Recorded in binaural stereo using the latest recording techniques for a rich, lifelike and intimate sound. Subjects wear a small microphone in each ear, picking up sound just like the human ear. Whatever they hear, we hear - how they hear it. The series is best heard on headphones.

In this episode we inhabit the world of Bosnian explosive ordnance technician Sead Vrana as he searches for an anti tank weapon. Vrana defused his first landmine at the age of just seventeen as a young soldier in the Bosnian Army, in the early days of the Bosnian War. Over two decades later, we're with him every step of the way as he executes the dangerous task of detecting and disposing of a warhead that could rip through 40cm of steel.

Producer: Laurence Grissell

SAT 06:00 News and Papers (m0010wmx)

The latest news headlines. Including the weather and a look at the papers.

SAT 06:07 Open Country (m0010q9s)

The right to paddle?

Did you buy a kayak or perhaps a paddle board after lockdown? And do you know where you can go now? According to Nick Hayes - who lives on a houseboat on the River Thames - you can only legally access around three to four percent of England's waterways. Scotland has the right to roam. Nick is the author of The Book of Trespass and uses his canoe to go shopping and take out his rubbish too. This is fine on his section of the Thames, but he has been confronted on other rivers so who owns our waterways, and what exactly are the rules?

With further contribution from Ben Seal of British Canoeing, and produced in Bristol by Miles Warde.

SAT 06:30 Farming Today (m0010wmz)

23/10/21 Farming Today This Week: Trade and Agriculture Commission, New Zealand trade deal, rural post offices, apples

The Government finally launches its new Trade and Agriculture Commission to scrutinise new trade deals. Is it up to the job? We ask what does the UK get out of the proposed New Zealand trade deal. Will it mean a flood of cheap new Zealand lamb? On Wednesday the Chancellor will announce his spending review and campaign groups have written asking for support for rural post offices to continue.

It's apple harvest time. We hear from farmers on a shortage of pickers and how they store their fruit.

Presented by Charlotte Smith and produced by Beatrice Fenton.

SAT 06:57 Weather (m0010wn1)

The latest weather reports and forecast

SAT 07:00 Today (m0010wn3)

Including Sports Desk, Weather and Thought for the Day.

SAT 09:00 Saturday Live (m0010wn5)

Ross Noble

Nikki Bedi and Richard Coles are joined by award winning comedian and lover of all things random, Ross Noble, who has 16 nationwide comedy tours under his belt, is a regular panellist on comedy shows and currently to be seen on iplayer on The Apprentice Australia.

Paralympian sprinter Libby Clegg has won nine major gold medals, including two at the 2016 Paralympic Games in Rio for the 100m and 200m and she is the first blind contestant on Dancing On Ice. She joins us.

Listener Georgia Naish got in touch about the significance of an object she inherited, a Spanish fan that her granddad brought back from his time fighting in the Spanish Civil War.

Scottish tenor Nicky Spence won a prestigious record deal aged 22, but he recognised that it wasn't quite the path he wanted for himself, and he returned to his training, going on to become an inaugural Harwood Young Artist at English National Opera.

We have the Inheritance tracks of John Barnes who chooses You'll never walk alone performed by Shirley Jones and Optimistic by Sounds of Blackness. And your Thank you.

Producer: Corinna Jones

SAT 10:30 The Kitchen Cabinet (m0010wn7)

Series 34

Home Economics: Episode 43

Jay Rayner hosts the culinary panel show packed full of tasty tidbits. Experts Jordan Bourke, Melek Erdal, Rob Owen Brown and Dr Annie Gray are ready to tackle your kitchen conundrums.

This week, the panel lists are delighted (and disgusted) by stuffing stuff in stuff, that is, stuffed vegetables. They also share their favourite brassica recipes, and tell us exactly what we can do with a surplus of yoghurt.

Producer: Jemima Rathbone
Assistant Producer: Bethany Hocken

A Somethin' Else production for BBC Radio 4

SAT 11:00 The Week in Westminster (m0010wn9)

Radio 4's assessment of developments at Westminster

SAT 11:30 From Our Own Correspondent (m0010wnc)

Insight, wit and analysis from BBC correspondents, journalists and writers from around the world.

SAT 12:00 News Summary (m0010wnf)

National and international news from BBC Radio 4

SAT 12:04 Money Box (m0010wm6)

The latest news from the world of personal finance

SAT 12:30 The News Quiz (m0010ntx)

Series 106

Episode 8

In the last of the current series, Andy Zaltzman and the panel take on the week's headlines.

Ayesha Hazarika, Matt Winning, Geoff Norcott and Elis James

join Andy in 'convivial, fraternal spirit' to look take a close look at COP26, and whether Brian Cox is right about earth's extinction leaving the galaxy bereft of meaning. They also discuss Southend's newly-minted city status, online anonymity and Sajid Javid's winter plan.

The chair's script is written by Andy Zaltzman, with additional material by Alice Fraser, Mike Shephard, Hannah Platt and Rajiv Karia.

Producer: Gwyn Rhys Davies
Production Co-ordinator: Katie Baum
Sound Editor: Marc Wilcox

A BBC Studios Production.

SAT 12:57 Weather (m0010wnh)

The latest weather forecast

SAT 13:00 News and Weather (m0010wnk)

The latest national and international news from BBC Radio 4

SAT 13:10 Any Questions? (m0010nvl)

Dr Rosena Allin-Khan MP, Christina McAnea, Nick Timothy, Nadhim Zahawi MP

Chris Mason presents political debate from Sydney Russell School, Dagenham with the Labour MP and Shadow Cabinet Member for Mental Health Dr Rosena Allin-Khan, the General Secretary of UNISON Christina McAnea, the columnist and writer Nick Timothy and the Education Secretary Nadhim Zahawi MP.

Producer: Camellia Sinclair
Lead broadcast engineer: Richard Earle

SAT 14:00 Any Answers? (m0010wnm)

Have your say on the issues discussed on Any Questions?

SAT 14:45 Blood, Sex and Money by Emile Zola (b080mhd8)

Season 3 - Money

8. Apocalypse

Blood, Sex and Money by Emile Zola: Series 3 Money
Apocalypse by Martin Jameson

The forces of Blood, Sex and Money come to violent fruition in the author's visceral exploration of the Franco Prussian War. Precipitated in the corridors of power, the war is for ordinary men to fight. Land worker Jean Macquart returns to the army where he makes an unlikely emotional connection with a young soldier under his command. Meanwhile, his Grandmother is on the brink of escape from the asylum at Tulettes.

DIDE.....
.....Glenda Jackson
JEAN.....
.....Matthew McNulty
MAURICE.....
.....Luke Newberry
PASCAL.....
.....Jonathan Tafler
HENRIETTE.....
.....Karen Bartke
WEISS/SGT SAPIN/
GENERAL.....Stephen Critchlow
CHOUTEAU/.....Jam
es Cartwright
LAPOULLE/
COLONEL.....Andrew Westfield
GILBERT/ORDERLY/DYING
SOLDIER.....Luke Macgregor

Director/Producer Gary Brown

SAT 16:15 Woman's Hour (m0010wnp)

Weekend Woman's Hour: Hillary Clinton and Louise Penny discuss their new novel, the Singer Ella Eyre & the Science of Knitting

The former presidential candidate Hillary Rodham Clinton has a new book out, "State of Terror", a political thriller written with the award winning author Louise Penny. The two women were already friends before deciding to pen the novel which features a President who "smells of meat" and appears to resemble Donald Trump and a British Prime Minister who's "a twit" and seems to have a more than a passing resemblance to Boris Johnson.

According to a new survey on mental wellbeing in agriculture, 58% of women in farming experience anxiety compared to 44% of men. What's the reason behind it? How much impact has Brexit and the pandemic had on the problem? We discuss with

Alicia Chivers, Chief Executive of the Royal Agricultural Benevolent Institution, and East Yorkshire pig farmer Kate Moore.

Campaigner Rosamund Adoo-Kissi-Debrah is raising awareness of asthma and the health problems that can be caused by air pollution. Last year her daughter, Ella, became the first person in Britain to have air pollution listed as the cause of death after an inquest. She died in 2013 aged nine. Now Rosamund is calling on Boris Johnson to "set an example for the whole world" with ambitious clear air goals.

Are you a keen knitter? Have you ever considered that patterns for knitting your jumpers, hats or gloves could be seen as having parallels to computer coding? Do we undervalue the scientific aspects of some female-dominated skills? Emma speaks to Shetland knitter and pattern writer Hazel Tindall - aka World's Fastest Knitter - and to Sue Montgomery, who went viral in 2019 for knitting data into a shawl.

After undergoing vocal cord surgery, MOBO and Brit award-winning singer songwriter Ella Eyre is back on her first headline tour in six years. She reveals how she's had to learn how to sing again - and how the experience has inspired a new musical direction.

Presenter: Anita Rani
Producer: Rabeka Nurmahomed

SAT 17:00 PM (m0010wnr)
Full coverage of the day's news

SAT 17:30 The Bottom Line (m0010qb7)
Carbon Capture

Can carbon capture save the planet - and make money? The government has announced millions of pounds of funding to support the UK's emerging carbon capture industry. How will it change our futures?

Evan Davis speaks to the head of The East Coast Cluster, a project awarded some of this financial support, alongside other industry leaders, to understand whether this revolutionary technology could solve our climate change problems, or whether it is another way to evade our environmental obligations.

GUESTS

Andy Lane, vice president (CCUS), BP & head of East Coast Cluster
Esin Serin, UK policy analyst, The Grantham Institute of Climate Change
Olivia Powlis, head of UK office, Carbon Capture and Storage Association
Julie Golsalvez, chief marketing officer, Climeworks

PRODUCER
Lucinda Borrell

SAT 17:54 Shipping Forecast (m0010wnx)
The latest weather reports and forecasts for UK shipping.

SAT 17:57 Weather (m0010wnx)
The latest weather reports and forecast

SAT 18:00 Six O'Clock News (m0010wnz)
The latest national and international news from BBC Radio 4

SAT 18:15 Loose Ends (m0010wp1)
Daniel Mays, Al Murray, Pearl Mackie, Carla Valentine, Self Esteem, Gruff Rhys, Emma Freud, Clive Anderson

Clive Anderson and Emma Freud are by Daniel Mays, Al Murray, Carla Valentine and Pearl Mackie for an eclectic mix of conversation, music and comedy. With music from Self Esteem and Gruff Rhys.

SAT 19:00 Profile (m0010wlp)
Katharine Birbalsingh

The UK's 'strictest' headteacher Katharine Birbalsingh has landed a new role as head of the Social Mobility Commission, a public body designed to boost the life chances of the country's most disadvantaged children.

Born to Jamaican and Guyanese immigrants, Katharine Birbalsingh first rose to prominence at the 2010 Tory party conference. Her speech about Britain's "broken" education system received a standing ovation, but it also made her one of the most controversial figures in British education, and for a while she couldn't even get a teaching job.

Then, in 2014, she founded the Michaela free school in north-west London, which has a zero tolerance behaviour policy. Pupils are penalised for forgetting to bring a pencil, or even for talking in corridors between lessons. The school has been deemed "outstanding" in all areas by Ofsted inspectors.

Edward Stourton examines the life and career of Katharine Birbalsingh, and asks if her forthright personality and achievements as a headteacher will equip her to address issues of entrenched inequality.

Producer: Nick Holland
Researcher: Bethan Head

SAT 19:15 This Cultural Life (m0010wp3)
Paul McCartney

Paul McCartney talks to John Wilson about his key influences and inspirations. In a candid conversation, in which he discusses his relationship with John Lennon, the break-up of The Beatles and his six decade career, he reveals some of his most formative artistic experiences and his creative process.

Producer: Edwina Pitman

SAT 20:00 Archive on 4 (m0010wp5)
Plastic: The Biography

The remarkable story of how plastic became such a major player in the worlds of industry, medicine and design (among many others) before becoming persona-non-grata thanks to its intimate involvement in our current ecological plight is Shakespearean in its scale and one of the great tales of the last century. Laura Barton sets out to create a biography of this most multi-faceted and fluid titan of the manufacturing world, using the fabulously rich archive from TV, radio, advertising and film - as well as fresh interviews with contemporary experts including Rebecca Altman, Jeff Mickle, Charlotte Hale and Lauren Bassam. Plastic's story is one of of incredible power, hubris and more recently disparagement, but it is also endlessly complex and morally ambiguous; while plastic's negative impact on our environment is inescapable, as Laura will set out to describe it has also revolutionised the way we live our lives in any number of invaluable ways.

Produced by Geoff Bird

The exhibition 'Plastic: Remaking Our World' will be co-produced in 2022 by V&A Dundee, the Vitra Design Museum and MAAT.

SAT 21:00 GF Newman's The Corrupted (b03fdev5)
Series 1

Episode 8

A new long-running drama series from G F Newman based on the characters from the multi-award winning writer's best-selling crime novel. Spanning six decades, it plots the course of one family against the backdrop of a revolution in crime as the underworld extends its influence to the very heart of the establishment, in an uncomfortable relationship of shared values.

Joey Oldman is a Russian Jew, who arrived in Britain before the war with only two words of English and married Cathy Braden. They had a son, Brian, and a daughter, Rose. Cathy's widowed mother, Gracie, takes up with a famous and glamorous gangster, Billy Hill, while her brother Jack wants to become World Light Heavyweight Boxing Champion. Both the army and the Kray twins interfere with this ambition. Jack is left feeling bitter and angry and plunges headlong into crime, running protection rackets and claiming a piece of other criminals' sometimes infamous pies. His actions become ever more savage and bizarre and harder to reconcile.

Haunted by the murder of his grandfather which he witnessed when he was six, Brian Oldman holds a terrible secret that he must keep for fear of his life as he falls deeper under his mother's spell. But there is a more disturbing secret he has yet to discover - one that will threaten his very existence. All the while he becomes a willing participant in the criminal underworld in the 1950s, where gangs such as the Krays and the Richardson are emerging to challenge the old guard in savage battles for territory.

Cast:
Joey Oldman.....Toby Jones
Cath Oldman.....Denise Gough
Brian Oldman.....Joe Armstrong
Jack Braden.....Tom Weston-Jones
Billy Hill.....Robert Glenister
D I Drury.....Matthew Marsh
Charlie Richardson...Oliver Mawdsley
Leah Cohen.....Jasmine Hyde
Ronnie Kray /

Alfie.....Lewis McLeod
Violet Kray.....Ruth Gemmill
Sergeant Watling.....Nigel Cooke
D S Fenwick.....Theo Fraser Steele

With Ross Kemp as Narrator.

Written by G F Newman

Produced and directed by Clive Brill
A Pacificus production for BBC Radio 4

SAT 21:45 The Poet and the Echo (b08crjll)
Series 1

The Relic

5 writers choose 5 poems as inspiration for new stories.

Episode 3/5

The Relic

A young poet remembers his muse.

A poignant story inspired by John Donne's poem about love and immortality. By the best-selling novelist, Salley Vickers.

Credits

Writer Salley Vickers
Reader Paapa Essiedu
Producer Kirsty Williams

A BBC Scotland Production for BBC Radio 4.

SAT 22:00 News (m0010wp7)
The latest national and international news from BBC Radio 4

SAT 22:15 The Reunion (m000mbpp)
The GM Crops Debate

Those in favour of genetically modified crops saw them as a way to solve the world's food crisis and claimed they could bring about "the biggest revolution of a lifetime". Others thought that genetic modification went against the laws of nature, and would lead to so-called Frankenstein foods.

It all began in 1994 when the FlavrSavr tomato became the first genetically modified crop to be approved for sale in the US. It eventually made its way to British supermarket shelves in the form of tomato puree, but when campaigners found out they boycotted retailers in an attempt to stop them from stocking it and other products derived from GM crops.

Over a series of months, activists ripped up fields of Government backed trials of GM maize and soya. Prince Charles went head-to-head with the pro-GM establishment, and supermarket chains were forced to reassure the public that they were free from GM "contaminated" products.

Kirsty Wark talks to those at the centre of the debate:

Dame Joan Ruddock sat on the Select Committee for Environment, Food and Rural Affairs.

John Gatehouse was a biochemist who helped develop GM.

Tom Sanders was a member of the UK Committee on Novel Foods.

Sue Mayer was the founder of anti-GM organisation, GeneWatch.

Alan Simpson was the Labour MP who clashed with Tony Blair over GM.

Jim Thomas was a young activist with Greenpeace.

Presenter: Kirsty Wark
Producer: Howard Shannon
Series Producer: David Prest

A Whistledown production for BBC Radio 4

SAT 23:00 Brain of Britain (m0010ndb)
Semi-Final 2, 2021

(14/17)

Another four semi-finalists take their places for the latest round of the challenging general knowledge contest, with a place in the 2021 Final up for grabs. Russell Davies is in the questionmaster's chair. Will the competitors know which Roman god was supposedly the father of the twins Romulus and Remus? Or which member of the Dad's Army cast was also a

successful playwright? Or which Elton John song Kate Bush has had a Top 20 hit with?

Appearing today are

Heather Auton, a retired marketing director from Amersham
Edward Brunt, a retired IT analyst from Altrincham
Innis Carson, a researcher from Belfast
Alan Hodgson, a customer service assistant from Macclesfield.

There's also a chance for a Brain of Britain listener to win a prize if his or her questions are chosen to challenge the Brains.

Assistant Producer: Stephen Garner
Producer: Paul Bajoria

SAT 23:30 Uncanny (m0010wp9)

Case 1: The Evil in Room 611

Danny meets Ken, a highly respected geneticist. A man who doesn't believe in ghosts, but cannot get over the fact that he believes he saw one 40 years ago as a student in Belfast. This is the story of a student bedroom that seems to have a mysterious and frightening impact on those who sleep in it, of poltergeist activity, sinister apparitions and a dark force that Ken describes as 'pure evil'. What is the secret of Room 611 and is it supernatural or in the minds of its inhabitants?

Featuring expert help from parapsychologist Caroline Watt and ordained minister and paranormal writer Peter Laws.

Written and presented by Danny Robins
Experts: Caroline Watt and Peter Laws
Editor and Sound Designer: Charlie Brandon-King
Music: Evelyn Sykes
Theme Music by Lanterns on the Lake
Produced by Danny Robins and Simon Barnard

A Bafflegab and Uncanny Media production for BBC Radio 4

SUNDAY 24 OCTOBER 2021

SUN 00:00 Midnight News (m0010wpc)

The latest news and weather forecast from BBC Radio 4.

SUN 00:15 Green Originals (m000df4k)

Severn Cullis-Suzuki

Severn Cullis-Suzuki was twelve years old when she gave a speech demanding action on the environment at the Rio Earth Summit in 1992.

Like many young people who came after her, she demanded that adults listen and act swiftly to protect her future. She had grown up with a love of nature and was scared and angry about the extinction of animal species, pollution, and the destruction of forests.

In this programme, the naturalist and broadcaster Chris Packham reflects on the impact of her speech and the power of children's voices in the climate debate.

Producer: Natalie Steed

Series Editor: David Prest

A Whistledown production for BBC Radio 4 in association with The Open University

SUN 00:30 Short Works (m0010ntj)

Gentle

A chance find in a bookshop prompts a pregnant woman to reflect on the journey she's taking to becoming a mother, on the journey her family once took when they sought refuge in the United States, and wonder who has the right to tell these stories.

Dima Alzayat's debut collection, *Alligator and Other Stories*, was shortlisted for the Dylan Thomas and James Black Memorial Prizes.

Gentle is read by Nadia Albina

SUN 00:48 Shipping Forecast (m0010wpl)

The latest weather reports and forecasts for UK shipping.

SUN 01:00 Selection of BBC World Service Programmes (m0010wph)

BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

SUN 05:20 Shipping Forecast (m0010wpl)

The latest weather reports and forecasts for UK shipping.

SUN 05:30 News Briefing (m0010wpm)

The latest news from BBC Radio 4

SUN 05:43 Bells on Sunday (m0010wmd)

St Chad's Church in Shrewsbury, Shropshire

Bells on Sunday comes from St Chad's Church in Shrewsbury, Shropshire. There are twelve bells which were recast in 1914 by Taylor's of Loughborough and were the founder's first harmonically tuned complete peal of twelve. The tenor bell weighs thirty nine and a half hundredweight and is in the note of C. We hear them ringing Erin Cinques.

SUN 05:45 Profile (m0010wlp)

[Repeat of broadcast at 19:00 on Saturday]

SUN 06:00 News Summary (m0010wkg)

The latest national and international news from BBC Radio 4

SUN 06:05 Something Understood (b01j2fde)

Saying Sorry

Mark Tully asks why we find it so difficult to apologise and considers some of the benefits of doing so. But what of the false, or half-hearted apology? Should saying sorry always lead to forgiveness?

From politicians to journalists, poets to criminals, and from entire countries to intimate lovers, Mark looks at those who have transgressed but cannot find it in themselves to acknowledge the fact and make amends. Just what benefits to individuals, races and nations would flow if an unwarranted act of war or aggression, or just simple inconsideration, was owned up to? What can we do to make the act of apology easier, and how should we respond to those who do manage to say that hardest word of all?

Who better than a politician to ask about the nature of heartfelt apologies, the ways we find to avoid them, and how we arrive at mealy-mouth substitutions. Mark speaks to Mani Shankar Aiyar, a member of India's ruling Congress Party and an expert on the political - with a small and large 'p' - apology. There are times, he admits, when an out-and-out admission of guilt, acceptance of responsibility and an unqualified and genuine apology is in order - but only when the game is up.

With music from Franz Liszt, Frank Sinatra and Nusrat Fateh Ali Khan, and words by Somerset Maugham, Thomas Hardy, Desmond Tutu and Fyodor Dostoevsky, Mark considers the right and wrong time to seek redemption from those you have hurt, and the appropriate way to respond to the repentance of others who have done you wrong.

The readers are Peter Guinness, Emma Fielding and Frank Stirling.

Producer: Adam Fowler

A Unique production for BBC Radio 4

SUN 06:35 On Your Farm (m0010wkj)

Two Centuries of Tractors

For nearly 200 years the machinery auctioneers Cheffins of Cambridgeshire have been selling second-hand farm machinery. It is the world's largest monthly sale of machinery, attracting around 3000 lots - including tractors, construction equipment and farm machinery. As one of its partners, Bill Pepper, signs off after more than thirty years in the business, Anna Hill meets him to find out about the company's fascinating history.

She joins buyers and sellers in the field where bidding is fast and furious, and talks to Bill about how the company has thrived, even during the pandemic, when sales had to go completely online. He tells her about the impact over the years of game-changers like Foot and Mouth disease, the fall of the Iron Curtain, and the changing landscapes created by Brexit and the coronavirus pandemic.

Produced and presented by Anna Hill.

SUN 06:57 Weather (m0010wkl)

The latest weather reports and forecast

SUN 07:00 News and Papers (m0010wkn)

The latest news headlines. Including a look at the papers.

SUN 07:10 Sunday (m0010wkp)

A look at the ethical and religious issues of the week

SUN 07:54 Radio 4 Appeal (m0010wks)

UK Youth

Linford Christie makes the Radio 4 Appeal on behalf of UK Youth.

To Give:

- Freephone 0800 404 8144
- Freepost BBC Radio 4 Appeal. (That's the whole address. Please do not write anything else on the front of the envelope). Mark the back of the envelope 'UK Youth'.
- Cheques should be made payable to 'UK Youth'.
- You can donate online at bbc.co.uk/appeal/radio4

Registered Charity Number: 1110590

SUN 07:57 Weather (m0010wkv)

The latest weather reports and forecast

SUN 08:00 News and Papers (m0010wkw)

The latest news headlines. Including a look at the papers.

SUN 08:10 Sunday Worship (m0010wkz)

A Haven for an Emperor

An Ethiopian Orthodox Sunday Worship featuring excerpts from a service recorded at Bath Abbey last month to reflect the legacy and impact of the Ethiopian Emperor Haile Selassie I on the city of Bath and his home during his exile, Fairfield House. The house has huge religious significance: for the Ethiopian Tewahedo Orthodox Church, of which Haile Selassie I was both a faithful member and regarded as the "Protector and Defender". And for the Rastafari community who consider Haile Selassie I to be God incarnate, so regard the site as a place of spiritual pilgrimage. The programme will feature traditional Ethiopian spiritual music and sung worship from the service in Bath Abbey, much of which is recorded in the Ethiopian liturgical language Ge'ez. Professor Robert Beckford with reflections. Reading: Psalm 22. Producer: Alexa Good

Photo Credit: Naomi Williams

SUN 08:48 A Point of View (m0010nv3)

Two Small Scandals

"Who owns a story?" asks Adam Gopnik. "The storyteller? The subject? Or do all stories in some sense own themselves?"

Adam explores the drama being played out in the US in two stories of feuding writers, caught up in the ethics of artistic appropriation.

Producer: Adele Armstrong

SUN 08:58 Tweet of the Day (b038qk4j)

Great Spotted Woodpecker

Tweet of the Day is a series of fascinating stories about our British birds inspired by their calls and songs.

Brett Westwood presents the Great Spotted woodpecker. In spring Great Spotted Woodpeckers drum loudly with their bills against tree bark to advertise their territories. Unlike many of our woodland birds, which are declining, Great Spotted Woodpeckers have increased rapidly over the last few decades - up to 250% since the 1970's.

SUN 09:00 Broadcasting House (m0010wl1)

The Sunday morning news magazine programme. Presented by Paddy O'Connell

SUN 10:00 The Archers Omnibus (m0010wl3)

Writer, Daniel Thurman
Director, Dave Payne
Editor, Jeremy Howe

Jill Archer Patricia Greene
David Archer Timothy Bentinck
Ruth Archer Felicity Finch
Kenton Archer Richard Atlee
Tom Archer William Troughton
Tony Archer David Troughton
Jennifer Aldridge Angela Piper
Lilian Bellamy Sunny Ormonde
Ian Craig Stephen Kennedy
Justin Elliott Simon Williams
Shula Hebden Lloyd Judy Bennett
Adam Macy Andrew Wincott
Jazzer McCreary Ryan Kelly
Blake Goddard Luke MacGregor
Stella Lucy Speed
Corey Alec Fellows-Bennett

SUN 11:00 Desert Island Discs (m0010w15)

Michael Sandel, philosopher

Michael Sandel is a political philosopher and professor of government theory at Harvard University in Cambridge, Massachusetts. He has also presented the BBC Radio 4 series *The Public Philosopher* and *The Global Philosopher*, in which he examines the thinking behind a current controversy.

His books have tackled the idea of meritocracy and the moral limits of markets, and he has been described as a "philosopher with the global profile of a rock star."

Michael grew up in Minnesota until the age of 13 when his family relocated to Los Angeles. As a boy he was fascinated by politics and he invited Ronald Reagan, who was then governor of California, to take part in a debate at his school.

During his university studies he took an internship at the *Houston Chronicle* and covered the Watergate scandal, sitting in on the Supreme court deliberations and subsequent impeachment hearings on Capitol Hill. Later, while he was studying as a Rhodes Scholar at Oxford University he was, as he puts it, "seduced by philosophy".

Justice, the course he devised at Harvard, is one of the most popular in the university's history – thousands of students apply to attend in person and tens of millions watch his classes online.

Presenter Lauren Laverne
Producer Paula McGinley

SUN 11:45 Just One Thing - with Michael Mosley (m0010w17)
Drink Water

Did you know that even mild dehydration can have damaging effects to your cognition, mood, and physical and mental performance? But drinking litres of plain water every day isn't necessarily the solution. In this episode, Michael debunks the many myths about how much water we should drink, and enlists the help of Dr Stuart Galloway, professor in exercise physiology from the University of Stirling, to reveal how much water we need, how to avoid the negative effects of mild dehydration, and how drinking water with every meal may even help to lose weight.

SUN 12:00 News Summary (m0010w19)
National and international news from BBC Radio 4**SUN 12:04 The Museum of Curiosity (m0010ndq)**
Series 16

Episode 1

Professor of Ignorance John Lloyd and the Museum's brand new curator Holly Walsh are joined by comedian and writer Jamie MacDonald, art critic and author Jennifer Higgie and artist Francis Hamel.

Jamie MacDonald discusses the time he met Britain's only certified blind wood turner and donates a blue badge to talk about the ways the country is becoming more accessible. Jennifer Higgie donates the first self portrait ever painted of an artist at work at the easel – painted by Catharina van Hemessen in 1548 and Francis Hamel talks about the challenges of portrait painting and the spell which trees hold over him.

This series of *The Museum of Curiosity* has been recorded remotely.

The Museum's exhibits were catalogued by Mike Shephard, Mike Turner and Jack Chambers and Emily Jupitus of QI.

The Production Co-Ordinator was Sarah Nicholls.

The Producer was Anne Miller.

The Executive Producer was Julia McKenzie.

Edited by David Thomas.

A BBC Studios production.

SUN 12:32 The Food Programme (m0010wlc)

A Personnel Problem: What's the solution to hospitality's staffing crisis?

The hospitality sector has a problem: it just can't get the staff.

Businesses from bars to hotels are facing a massive worker shortage, as job vacancies in the sector hit their highest levels since records began. Last month, in an open letter to the government, various hospitality professionals warned that the sector was "close to imploding" because of acute labour

shortages. And the cracks are showing, as outlets still struggling post-lockdown are forced to resort to a skeleton staff: reducing opening hours or even closing altogether.

While some blame the pandemic and others point to a drop in EU workers after Brexit, figures from the Office for National Statistics suggest the industry was struggling to find and retain staff even before these events.

So what's at the heart of this crisis – and more importantly, how can we fix it?

Sheila Dillon assembles a panel of hospitality insiders to find out: talking to Kate Nicholls, chief executive of the national trade organisation UKHospitality; Sarah John, the founder and director of Boss Brewing, a craft brewery based in Swansea; and Niall McKenna, chef and owner of James Street & Co restaurant group in Belfast, comprising two restaurants and a cookery school.

We also hear from chef and restaurateur Angela Hartnett on how kitchen culture is changing for the better; and Samantha Evans and Shauna Guinn - co-founders of the Hang Fire Southern Kitchen in Barry, Wales - tell us about their decision to close permanently because of staff shortages.

Presented by Sheila Dillon
Produced by Lucy Taylor in Bristol

SUN 12:57 Weather (m0010w1f)
The latest weather forecast**SUN 13:00 The World This Weekend (m0010wlh)**
James Naughtie looks at the week's big stories from both home and around the world.**SUN 13:30 The Listening Project (m0010wlk)**
Once Bitten

This week Fi Glover presents four conversations: farmer Martin and wild swimmer Angela exchange views on the causes of pollution in the River Wye; Stella discusses her fear of builders with builder Chris; Alison and Nathan share their heart-breaking stories of being scammed; and husband and wife team Noleen and Henrik talk about the joys of living and working as professional clowns.

The Listening Project is a Radio 4 initiative that offers a snapshot of contemporary Britain in which people across the UK volunteer to have a conversation. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation lasts up to an hour and is then edited to extract the key moments of connection between the participants. Most of the unedited conversations are being archived by the British Library and used to build up a collection of voices capturing a unique portrait of the UK in this decade of the millennium. You can learn more about The Listening Project by visiting bbc.co.uk/listeningproject

Producer: Mohini Patel

SUN 14:00 Gardeners' Question Time (m0010ntg)
GQT at Home: Apple Celebrations and Ancient Specimens

Kathy Clugston hosts the horticultural programme featuring a group of gardening experts. This week's panellists are Pippa Greenwood, Christine Walkden and James Wong, answering questions from a virtual audience.

Our green-fingered experts kick off the show with a seasonally appropriate discussion around those crunchy delights - apples! They also offer one listener some colourful design ideas for her shared space and reflect on the special gardening tools they've inherited from significant figures in their lives.

Away from the virtual theatre, Juliet Sargeant visits the newly renovated One Garden Brighton at Stanmer Park and Matthew Wilson effuses about his favourite tree - an iconic feature of the British landscape, the English Oak, *Quercus robur*.

Producer - Hannah Newton
Assistant Producer - Bethany Hocken

A Somethin' Else production for BBC Radio 4

SUN 14:45 Green Originals (m000df4k)
[Repeat of broadcast at 00:15 today]**SUN 15:00 Blood, Sex and Money by Emile Zola (b080py68)**
Season 3 - Money

Episode 9

The dramatic climax of the Emile Zola: Money season, inspired by literature's greatest ever whistle-blower and his epic saga of the Rougon Macquart families.

Adelaide Fouque (Dide) is 104 years old, trapped in her small room in the local asylum, but omniscient as she broods over her extended family. As a young woman, she gave birth to two dynasties that exemplified French society - one legitimate, rich, powerful, obsessive and corrupt; the other illegitimate, poor, vulnerable, weak and depraved. France is on the brink of a new Empire. Her family is a turbulent mix of the good, the bad and the misguided.

Damaged by a lifetime of seizures and her mind scarred by trauma but Dide cannot forget her family. "What did I bring into this world? Wolves... I have raised a family of Wolves... I have watched their years. I will tell their story. Crime by crime. Blood by blood."

In this final episode, Dide escapes from the asylum and sets about stopping daughter-in-law Félicité Rougon's unscrupulous plans to make the family rule supreme in wealth and politics across France. Her third grandson, Pascal, unites his scientific research with her family memories to publish a book that will blow the whistle on all the appalling misdeeds and weaknesses of Dide's family line. But Félicité will stop at nothing to prevent publication. When Pascal falls in love, to his great surprise, Félicité finds a chink in his armour - with disastrous results.

Dan Rebellato is a Sony nominated writer and Professor of Theatre at Royal Holloway.

Cast:
Dide.....Glenda Jackson
Félicité.....Fenella Woolgar
Antoine.....Adrian Scarborough
Pascal.....Jonathan Tafler
Clotilde.....Elizabeth Boag
Mayor /
Mr Grandguillot.....David Bamber

Dramatised by Dan Rebellato

Sound Designer: Eloise Whitmore
Series Producer: Susan Roberts
Executive Producer: Melanie Harris

Produced and Directed by Polly Thomas
A Sparklab production for BBC Radio 4

SUN 16:00 Open Book (m0010wlm)
Sarah Hall

Elizabeth Day talks to novelist and short story writer Sarah Hall about her latest book. Set around a pandemic with uncanny echoes of today, *Burntcoat* is a punchy exploration of love, sex and death. It contains many of the hallmarks of Hall's highly regarded previous work which have won her two Booker nominations and two BBC National Short Story Awards; imagined yet vivid northern landscapes, mother-daughter relationships and sensual creativity.

Also, Federico Andornino, of Weidenfeld & Nicholson, chooses for his Editor's Pick next month a dystopian debut about the past, present and future in a divided America.

Book List – Sunday 24 October and Thursday 28 October

Burntcoat by Sarah Hall
Sudden Traveller by Sarah Hall
Madame Zero by Sarah Hall
The Wolf Border by Sarah Hall
The Beautiful Indifference by Sarah Hall
How to Paint a Dead Man by Sarah Hall
The Carhullan Army by Sarah Hall
The Electric Michelangelo by Sarah Hall
Haweswater by Sarah Hall
My Monticello by Jocelyn Nicole Johnson

Image copyright: Richard Thwaites

SUN 16:30 The Town Made of Stories (m000z9k)

The Tuscan town of Pieve Santo Stefano is home to a very unusual collection - Italy's National Diary Archive. It preserves diaries, letters and memoirs sent from all over the country, everything from contemporary accounts of life under lockdown to centuries-old journals, fragile with age.

Writer and translator Orla O'Neill visits Pieve to delve into the archive's holdings. She shares the intimate thoughts and reflections that she discovers - accounts of 'ordinary' lives recorded in the telling, and often touching, domestic detail that tends to be omitted from textbook history.

Along the way, she meets the town's Story Eaters – a committee of local people who read every new diary – and hears the moving story of how Pieve, once described as 'the town without

memories', came to be the archive's home.

Presenter: Orla O'Neill

Producers: Orla O'Neill and Cathy FitzGerald

Executive Producer: Sarah Cuddon

Mix Engineer: Mike Woolley

Sound Recording: Stefano Ferrara

Photography: Luigi Burroni

Interviewees: Luisa Oelker, Giacomo Benedetti, Lisa Marri

Readers: Tommaso Ghiazza, Alessandra Normanno, Erica De

Lazzari, Alessandro Pini and Penelope Nicholson

Diary writers: Massimo Bartoletti Stella, Silvana Baldini, Luisa

T. Claudio Foschini and Clelia Marchi

"Lu Pulverone" performed by Paola Nepi

With thanks to the Archivio Diaristico Nazionale.

A White Stiletto production for BBC Radio 4.

SUN 17:00 The Nuremberg Legacy (m0010pw9)

It's 75 years since the judgement at the International Military Tribunal in Nuremberg. Nineteen high ranking Nazis were found guilty of war crimes, crimes against peace, crimes against humanity and conspiracy to commit those crimes. Twelve of them were condemned to death. The trial, which lasted almost a year, made history and the principles of international criminal law first established there are still fundamental to international justice today. The writer and lawyer, Philippe Sands examines the legacy of Nuremberg in subsequent war crimes trials and the founding of the International Criminal Court in the Hague 50 years later. He speaks to people who were there in Courtroom 600 in Nuremberg, as well as leading judges and lawyers in today's international justice system.

Producer Caroline Bayley

Editor Jasper Corbett

Image: View of the judges bench in Nuremberg International

Military Tribunal (IMT) court in September 1946.

Credit AFP via Getty Images

SUN 17:40 Profile (m0010wlp)

[Repeat of broadcast at 19:00 on Saturday]

SUN 17:54 Shipping Forecast (m0010wlr)

The latest weather reports and forecasts for UK shipping.

SUN 17:57 Weather (m0010wlt)

The latest weather reports and forecast

SUN 18:00 Six O'Clock News (m0010wlw)

The latest national and international news from BBC Radio 4

SUN 18:15 Pick of the Week (m0010wly)

Raes Khan

This week we pay tribute to Sir David Amess and hear powerful debates on racism and women's safety.

We learn how to breath, start to believe in love at first sight and wonder, does fame change you?

We've got an attempt at smuggling Guatemalan fireworks and a life changing decision that will make you think, what would I have done?

Presenter: Raes Khan

Producer: Emmie Hume

Production Coordinators: Pete Liggins & Elodie Chatelain

Studio Manager: Jonathan Esp

SUN 19:00 The Archers (m0010wm0)

Rex is left disappointed and who will take the spotlight at the Harvest Supper?

SUN 19:15 The Confessional (m0010wm2)

Series 2

The Confession of Ed Byrne

Stephen Mangan presides over the comedy chat show about shame and embarrassment.

Each week Stephen Mangan invites a different eminent guest into his virtual confessional box to make three 'confessions' to him. This is a cue for some rich and varied storytelling, and surprising insights as their confessions are put under the microscope. Settle back for more revelations of guilt and mortification.

This week Stephen interviews Ed Byrne, whose career as a stand-up comedian has garnered him huge popular and critical success. Also known for his work as an actor and a TV

presenter with a passion for hill walking, he talks to Stephen about the dangers of forgetfulness, a misplaced reputation for erudition and one alarming fantasy.

Other guests in the series: Olivia Williams, Anthony Horowitz, Shaparak Khorsandi, Konnie Huq and David Quantick.

Written and presented by Stephen Mangan

With extra material by Nick Doody

Produced by Frank Stirling

A 7digital production

SUN 19:45 Miss Bessemer Saves the Train (m0010wm4)

'Young Man, I Know Precisely What a 'V' Sign Means...!'

Penelope Keith is Madge Bessemer in this 5-part serial inspired by the true story of one woman's fight to halt the closure of her local railway.

Village Guide Captain Madge Bessemer is not a particular fan of railways. Who needs trains when you've got a 1948 Austin Princess to tootle around in? However, when she discovers that, as part of their closure plans, British Rail are going to auction off the line side footpath, which holds precious memories for her, she determines to put a stop to proceedings.

Supported by The Lewes and East Grinstead Railway Fighting Committee - two Girl Guides, two train spotters, one pigswill man and a dog - Madge takes her battle right to the heart of government.

But the Prime Minister has just been humiliated by Colonel Nasser and has no intention of suffering a further humiliation at the hands of a village Girl Guide leader. John Profumo, Under Secretary of State to the Minister of Transport and a rising star in the government, is tasked with seeing that Miss Bessemer's plans are consigned to the dustbin of history.

All seems lost but, as Madge gains strength from the ghosts of her past, an unlikely idea for a railway of the future takes shape.

Everyone loves a fighter and Madge becomes a national hero, finding herself midwife not just to the birth of the world's first preserved standard gauge passenger railway –the Bluebell Line - but also to the UK's multi-million pound heritage railway industry.

Writer: Roy Apps

Reader: Penelope Keith

Director: Celia de Wolff

Sound Design: Matt Bainbridge

A Pier production for BBC Radio 4

SUN 20:00 Feedback (m0010ntn)

After ten years of programmes is there still life in The Life Scientific? Presenter Jim Al-Khalili joins Roger Bolton to discuss the programme and science coverage in general on BBC radio.

Feedback has been copied-in to an email from the BBC's Director General responding to a listener critical of Today's Nick Robinson. Discover what Tim Davie had to say about the interview in which presenter Nick Robinson told the Prime Minister to 'stop talking'.

Presenter: Roger Bolton

Producer: Kate Dixon

Executive Producer: Samir Shah

A Juniper Connect production for BBC Radio 4

SUN 20:30 Last Word (m0010ntl)

Colin Powell (pictured), Brendan Kennelly, Myriam Sarachik, John Clunies-Ross

Kirsty Lang on

Colin Powell, who rose from an impoverished childhood in Harlem to become US Secretary of State

A much loved Irish poet: Brendan Kennelly who learnt his storytelling skills growing up in his father's pub in County Kerry

A ground-breaking female scientist Myriam Sarachik who had to contend with the deeply entrenched sexism

And the extraordinary story of John Clunies-Ross - former ruler of the Cocos Islands which he ran for many years as a private fiefdom

Produced by Neil George

Interviewed guest: Karen de Young

Interviewed guest: John Sugar

Interviewed guest: Gerald Dawe

Interviewed guest: Kenneth Chang

Interviewed guest: John George Clunies-Ross

Archive clips used: AP, US President Biden on Colin Powell 18/10/2021; NBC, Colin Powell addresses UN Sec Council 2003; Aspen Ideas Festival, Colin Powell 26/09/2007; Bloodaxe Books, Driving to Work With Brendan Kennelly 19/09/2011; CUNY TV, Women to Women - Dr Myriam P. Sarachik 28/04/2005; David R.M. Irving - YouTube, The World of Cocos Malay Music and Dance 30/12/2020; ABC (Australian TV), Dynasties - The Clunies-Ross Family 2004; Movietone, Queen at Cocos Islands and Ceylon 22/04/1954.

SUN 21:00 Money Box (m0010wm6)

[Repeat of broadcast at 12:04 on Saturday]

SUN 21:25 Radio 4 Appeal (m0010wks)

[Repeat of broadcast at 07:54 today]

SUN 21:30 Analysis (m000wrnx)

Funny Money

What is the money in your pocket really worth?

Come to think of it now we're virtually cashless, do you even keep money in your pocket?

Maybe you're worried about the growth of government debt during the pandemic you now store your wealth in commodities such as gold or silver? Or maybe you're a fan of another asset class: bitcoin. Are cryptocurrencies the future of money or a giant bubble waiting to burst?

Why are governments and companies such as Facebook so interested in developing their own digital currencies?

Fifty years on from the 'Nixon Shock', when President Richard Nixon changed global currencies forever by taking the US off the gold standard, the BBC's Ben Chu is on a mission to find out what money means to us today.

Where does its value come from in this increasingly online world? Are we witnessing a revolution in the transfer of value into the metaverse? And how should make sense of this funny money business?

Guests include:

Historian Niall Ferguson

Economist and academic Stephanie Kelton

Investor Daniel Maegaard

Investment strategist Raoul Pal

Financial commentator Peter Schiff

Economist Pavlina Tcherneva

Producer Craig Templeton Smith

Editor Jasper Corbett

SUN 22:00 Westminster Hour (m0010wm8)

Radio 4's Sunday night political discussion programme.

SUN 23:00 The Curious Cases of Rutherford & Fry (m0010q9v)

Series 18

The Weirdness of Water Part 2

"I don't really understand why water has so many properties on different scales ranging from very large and cosmic to very small quantum and quarky - Could you help by zooming in and out on water to explain what is known about it? Asks Neil Morton in Stirling.

"Why does boiling water sound different to cold water?" asks Barbara Dyson in Brittany in France

Ollie Gordon, in Christchurch in New Zealand, wants to know 'why water is essential for all life as we know it?'

And many more questions on the weirdness of water are tackled by super science sleuths Hannah and Adam helped by quantum physicist Professor Patricia Hunt, at the Victoria University in Wellington in New Zealand, science writer and author of 'H2O - a biography of water' Philip Ball and physicist and bubble expert in the Department of Mechanical Engineering at UCL, Dr Helen Czerski.

Presenters: Hannah Fry & Adam Rutherford

Producer: Fiona Roberts

SUN 23:30 Something Understood (b01j2fdc)

[Repeat of broadcast at 06:05 today]

MONDAY 25 OCTOBER 2021

MON 00:00 Midnight News (m0010wmb)

The latest news and weather forecast from BBC Radio 4.

MON 00:15 Thinking Allowed (m0010p1r)

Freedom

Freedom: Laurie Taylor explores an unruly & disputed concept. Annelien de Dijn, Professor of Modern Political History at Utrecht University, asks how it came to be identified with limited government. Does our view of freedom owe more to the enemies of democracy than the liberty lovers of the Age of Revolution? Also, Tyler Stovall, Professor of History at Fordham University, considers the intertwined histories of racism and freedom in the United States, a nation that has claimed liberty as at the heart of their national identity.

Producer: Jayne Egerton

MON 00:45 Bells on Sunday (m0010wmd)

[Repeat of broadcast at 05:43 on Sunday]

MON 00:48 Shipping Forecast (m0010wmg)

The latest weather reports and forecasts for UK shipping.

MON 01:00 Selection of BBC World Service Programmes (m0010wmj)

BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

MON 05:20 Shipping Forecast (m0010wml)

The latest weather reports and forecasts for UK shipping.

MON 05:30 News Briefing (m0010wmn)

The latest news from BBC Radio 4

MON 05:43 Prayer for the Day (m0010wmq)

A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff

MON 05:45 Farming Today (m0010wms)

The latest news about food, farming and the countryside.

MON 05:56 Weather (m0010wmv)

The latest weather forecast for farmers.

MON 05:58 Tweet of the Day (b095tkgs)

Melissa Harrison on the House Sparrow

Nature writer Melissa Harrison presents the case for why we should love the humble and rather noisy 'spadger', better known as the house sparrow, though she won't waste her breath trying to win round her dog.

Tweet of the Day has captivated the Radio 4 audience with its daily 90 seconds of birdsong. In this latest series of Tweet of the Day, we bring to the airwaves the conversational voices of those who listen to and are inspired by birds. Building on the previous series, a more informal approach to learning alongside a renewed emphasis on encounter with nature and reflection in our relationship with the natural world.

Producer: Tom Bonnett
Picture: Feathers [Allan].

MON 06:00 Today (m0010wsx)

News and current affairs, including Sports Desk, Weather and Thought for the Day.

MON 09:00 Start the Week (m0010wy1)

Working the land - Orwell and HG Wells

'Outside my work the thing I care most about is gardening', wrote George Orwell in 1940. In Orwell's *Roses* Rebecca Solnit explores how the writer's love for growing things, especially flowers, seeps into his work. She reflects on how he uses pleasure, beauty and joy as powerful acts of resistance. And how far these can counter the political and environmental challenges we face today.

The father of science fiction, H.G. Wells was also driven by a

desire to reform the society he lived in at the turn of the 20th century. The biographer Claire Tomalin brings to life his early years in *The Young H.G. Wells: Changing the World*. He was born into poverty and achieved international fame, but never lost his boundless curiosity for the world around him, and the possibilities of science to change it.

The journalist Peter Hetherington asks why land reform is not higher on the government's agenda. In *Land Renewed* he looks at the competing elements in the reshaping of the countryside and aiding nature's recovery, including protecting valuable farmland, encouraging more local food production, re-wilding and 're-peopling' remote places. But he argues it needs a wider vision to re-work the countryside for the benefit of all.

Producer: Katy Hickman

MON 09:45 Slime: A Natural History by Susanne Wedlich (m0010wy3)

The Cosmic Horror of Slime

Slime is an ambiguous thing. It exists somewhere between a solid and a liquid. It inspires revulsion even while it compels our fascination in fiction and on the screen. It is both a vehicle for pathogens and the strongest weapon in our immune system. Many of us know little about it, yet it is the substance on which our world turns.

Sirine Saba reads from Susanne Wedlich's ground-breaking new book which leads us on a journey through the 3-billion-year history of slime, from the part it played in the evolution of life on Earth to its potential role in climate change and life beyond our planet.

There is probably no single living creature that does not depend on slime in some way. Most organisms use slime for a number of functions: as a structural material, as jellyfish do; for propagation, as plants do; to catch prey, as frogs do; for defence, like the hagfish; or for movement, like snails.

In this first episode, the story of how slime continues to fascinate and terrify us on the page and on the screen. From *Dr Who* to *Ghostbusters*, from the disturbing stories of HP Lovecraft to the horror of Stephen King, there is a slime for every time, guaranteed to ooze into our deepest fears.

Written by Susanne Wedlich and translated by Ayça Türkoğlu
Abridged and produced by Jane Greenwood
A Loftus Media production for BBC Radio 4

MON 10:00 Woman's Hour (m0010wy5)

Women's voices and women's lives - topical conversations to inform, challenge and inspire.

MON 11:00 The Untold (m0010wy7)

A Life in Protest

Larch Maxey campaigns against climate change. He has lived underground, in trees and on protest camps, and gave up a career as an academic to pursue this cause.

In January, he dug tunnels under Euston Square Gardens in London, where he lived with other protesters for 27 days. He has been arrested and spent time in prison, yet continues his life as an activist.

The Untold follows Larch Maxey over eight months of campaigning against the high speed railway HS2, from leaving the tunnels to a day in court. And he meets the Green Party member and supporter of HS2, Melanie Horrocks. She says he's wrong about the impact of HS2, and argues the project should go ahead.

What motivates someone to lead this kind of life? Grace Dent takes us inside the controversial world of a protester. Presented by Grace Dent and produced for BBC Audio in Bristol by Jo Glanville

MON 11:30 Loose Ends (m0010wp1)

[Repeat of broadcast at 18:15 on Saturday]

MON 12:00 News Summary (m0010wyb)

National and international news from BBC Radio 4

MON 12:04 The Frequency of Us by Keith Stuart (m0010wyd)

Episode 1

Bath, 2007. For the last 65 years, Will has believed that his wife Elsa vanished without trace on the night of an air raid on the city. Lately, he has been seen in his garden at night, calling out for her.

The trouble is, no one has heard of Elsa. And there are no records anywhere to suggest that Will was ever married to anyone.

The suspicion is that he is suffering from dementia. When his new care worker, Laura, starts visiting him at home, she wonders if other forces are at play. Then again, Laura is new to the job - and has demons of her own.

Keith Stuart is a journalist and the author of two novels. His first, *A Boy Made of Blocks*, was published in 2017. He lives with his wife and two sons in Frome, Somerset. The *Frequency of Us* was a BBC2 Between The Covers Book Club Pick.

Writer: Keith Stuart

Readers: Blake Ritson and Bryony Hannah

Abridger: Jeremy Osborne

Producer: Jeremy Osborne

A Sweet Talk production for BBC Radio 4

MON 12:18 You and Yours (m0010wyg)

News and discussion of consumer affairs

MON 12:57 Weather (m0010wyj)

The latest weather forecast

MON 13:00 World at One (m0010wyl)

Forty-five minutes of news, analysis and comment, with Sarah Montague.

MON 13:45 39 Ways to Save the Planet (m0010wyn)

Windcatchers

Wind energy is vital in the battle against climate change, but can we make improvements to harness more from them? Tom Heap visits Kelburn windfarm in North Ayrshire to discuss whether 'wakesteering' - reorientating the turbines could see them harness more power collectively. Meanwhile some potential sites are refused or restricted due to the damage caused to wildlife. Hubert Lagrange talks about his childhood obsession with bats which are often killed by the pressure around turbine blades.

He's worked to develop a system to sense bat and bird activity and allow the turbines to operate longer through a refined system.

Dr Tamsin Edwards discusses how much more potential there is and how much carbon this could save.

Producer: Anne-Marie Bullock
Researcher Sarah Goodman

Produced in association with the Royal Geographical Society. Special thanks for this episode to Asst Professor Michael Howland from the Massachusetts Institute of Technology and Professor Nick Jenkins from Cardiff University.

MON 14:00 The Archers (m0010wmo)

[Repeat of broadcast at 19:00 on Sunday]

MON 14:15 Drama (m0009t2g)

Prestige

Thriller exploring the weapons trade through the story of two old friends who share a disturbing secret.

Monica and Samira used to be frontline foreign correspondents in Iraq but now inhabit very different worlds. Monica works in London as head of corporate communications for a large UK aerospace and weapons business, while the Anglo-Lebanese Samira runs a Beirut-based human rights NGO investigating deaths of civilians in Yemen and elsewhere.

When Samira presents Monica with harrowing video evidence that British ordnance has been responsible for the deaths of children, Monica is ordered by her boss to keep the story under wraps at all costs. Their firm is going through a complex takeover deal and must avoid bad publicity. Yes, weapons sometimes fall into the wrong hands, but that doesn't mean all arms manufacturers - or all governments - are evil. Besides, Samira's video evidence may have been manipulated. Propaganda is rife on all sides.

It's up to Monica to make a choice. This is her chance to atone for the guilt-laden decision she made back in Iraq by going public with Samira's claims. Or will she put her career and the "national interest" first by staying silent and embracing the unforgiving logic of realpolitik?

This month, the UN Human Rights Council has warned the UK, US, France and Iran that they may be complicit in war crimes in Yemen over their support for parties to the four-year conflict, which has claimed the lives of at least 7,290 civilians and left 80% of the population in need of humanitarian assistance or protection. Responsibility lies not just with governments but with the firms that supply armaments. Their conduct - and their ethics - are coming increasingly under the microscope. Writer

Hugh Costello takes that as his starting point for a pacey and suspenseful fictional drama.

Cast:

Monica Jane Slavin
Samira Jumaan Zizzari
Greg Anton Lesser
Paul Colin Stinton
Jamal Khalid Laith

Written by Hugh Costello
Directed by Eoin O'Callaghan
A Big Fish Radio production for BBC Radio 4

MON 15:00 Brain of Britain (m0010wyq)
Semi-Final 3, 2021

(15/17)

Which performing artist is the focus of the movie *Amazing Grace*? Which bird features on the flag of Papua New Guinea? Russell Davies puts these and a wide range of other questions to the semi-finalists in today's contest, in which another place in the 2021 Brain of Britain Final will be decided. The programme was recorded at the Radio Theatre in London under socially distanced conditions, with no audience.

The competitors are:

Alan Burns, a former solicitor from Salford
Toby Cox, a civil servant from Prestbury in Gloucestershire
John Payne, a warehouse operative from Manchester
Karl Whelan, a civil servant from the Wirral.

As always, the Brains will also tackle a pair of questions suggested by a listener who'll win a prize if his or her questions stump the panel.

Assistant Producer: Stephen Garner
Producer: Paul Bajoria

MON 15:30 The Food Programme (m0010wlc)
[Repeat of broadcast at 12:32 on Sunday]

MON 16:00 Laura Barton's Notes on Music (m0010q98)
Laura Barton Comes Alive

Spring 2008, and pretty much the only album Laura Barton wants to listen to is Bon Iver's *For Emma, Forever Ago*. She plays it constantly.

That May, she goes to every show on Bon Iver's short UK tour. It's their second show, at *The Social* in London, that she remembers best - the audience pressed into a hot basement bar. The reverence, the silence, the singalong. The songs played down among the crowd. The sense of the night and the city alive. The thought that no gig could ever be better.

Laura revisits that night with Justin Vernon, Bon Iver's songwriter and frontman; Robin Turner, co-owner of *The Social*; and Paul Burnley, the *Social*'s sound engineer,

Produced by Alan Hall
A Falling Tree production for BBC Radio 4

MON 16:30 The Digital Human (m0010wyt)
Series 24

Encrypted

Aleks discovers why end to end encrypted messaging services became absolutely crucial in the evacuation of Kabul and how it also assisted the very people they were escaping from.

MON 17:00 PM (m0010wyw)
Afternoon news and current affairs programme, reporting on breaking stories and summing up the day's headlines.

MON 18:00 Six O'Clock News (m0010wyy)
The latest national and international news from BBC Radio 4.

MON 18:30 The Museum of Curiosity (m0010wz0)
Series 16

Episode 2

Professor of Ignorance John Lloyd and the Museum's new curator Holly Walsh are joined by comedian Evelyn Mok, historian Dr Alun Scott and screenwriter Allan Scott.

Evelyn talks about the rivalry between Gothenberg and Stockholm and donates the Swedish Dragon Gate to the Museum - it was intended to be the country's first Chinatown but things didn't go according to plan. Dr Alun discusses his

research into beards which led to the media dubbing him the 'maven of shaving' and Allan talks about his time running a Scottish whisky company before becoming a screenwriter and working with Garry Kasparov on *The Queen's Gambit*.

This series of *The Museum of Curiosity* has been recorded remotely.

The Museum's exhibits were catalogued by Mike Shephard, Mike Turner and Jack Chambers of QI.

The Production Co-Ordinator was Sarah Nicholls.

The Producer was Anne Miller.

The Executive Producer was Julia McKenzie.

Edited by David Thomas.

A BBC Studios production.

MON 19:00 The Archers (m0010wz2)

There's a shock for Ruth and Freddie jumps to conclusions.

MON 19:15 Front Row (m0010wz4)

Live magazine programme on the worlds of arts, literature, film, media and music

MON 20:00 A Summer of Fire and Flood (m0010wq7)
Lytton

The worst effects of climate change are often framed as a problem for the future. But for some, the worst has already happened. As world leaders prepare to gather in Glasgow to talk about how to bring down emissions, Radio 4 tells the story of three places which have been at the sharp end of extreme weather events. In June, the Canadian village of Lytton smashed national heat records three days running, reaching an astonishing 49.6 degrees Celsius. Then, it burned to the ground. This documentary, the first in the series, is a vivid portrayal of a place in the crosshairs of climate change, where people don't just have to imagine the future. They're now figuring out how to build it.

Presented by Neal Razzell
Produced by Mark Savage
Editor, Bridget Harney

MON 20:30 Analysis (m0010wz6)
Parental Alienation

Splitting up where children are involved is tricky. Especially when it ends up in the family courts. It's even more tricky when a child decides they don't want a relationship with one of the parents.

Over the last two decades a controversial psychological concept has emerged to describe a situation where children - for no apparent reason - decide they don't want to see one parent. It's called parental alienation.

Women's rights organisations argue parental alienation is used to gaslight abused women. Fathers' rights organisations claim that some mothers make up allegations of abuse to prevent them from seeing their children. And children are caught in the middle.

Sonia Sodha explores the polarizing concept of "parental alienation" and asks how a contested psychological theory has evolved into an increasingly common allegation in the UK family courts.

Producer: Gemma Newby
Editor: Jasper Corbett

MON 21:00 Glasgow: Our Last Best Hope? (m0010pv9)

Douglas Alexander witnessed disappointment first hand as part of the British Ministerial Delegation to COP in Copenhagen in 2009. Now the biggest summit the UK has ever hosted is coming to his home city of Glasgow. Douglas asks leading international figures including John Kerry, Christiana Figueres, Mark Carney and Alok Sharma what it will take to make a success of COP26.

If the conference does set an ambitious agenda for reaching net zero carbon emissions, what will it mean for the city and indeed all of us? Douglas hears from Sir Anton Muscatelli, Principal of Glasgow University, Chief Executive of Scottish Power Renewables Lindsay McQuade, Professor Tahseen Jafry, Director of the Centre for Climate Justice at Glasgow Caledonian University, cleansing worker and GMB representative Chris Mitchell, and Laura Young, a climate activist known as Less Waste Laura.

MON 21:30 Start the Week (m0010wy1)
[Repeat of broadcast at 09:00 today]

MON 22:00 The World Tonight (m0010wz9)

In depth reporting, intelligent analysis and breaking news from a global perspective

MON 22:45 The Frequency of Us by Keith Stuart (m0010wyd)

[Repeat of broadcast at 12:04 today]

MON 23:00 Have You Heard George's Podcast? (p09sk5hj)
Chapter 3

Episode 24 - The Sixties

The 1960s was a mad time for Black people. It was a mad time for the world, but especially for Black people. The African Independence movement boosted morale but quickly descended into cut-throat strongman politics. Meanwhile, the American Civil Rights movement empowered new voices but failed to eliminate racism. Both ended in violence. George revisits the birth of Uganda through the story of his grandfather - Andrew Frederick Mpanga. The disappointments of this period put into context the birth of Black Power, and the emergence of gang culture among African American youth.

Warning: This episode contains very strong language and language that may offend, as well as adult themes.

Credits:

Written by George the Poet
Produced by Benbrick and George the Poet
Mixing, recording and editing by Benbrick.

With music from:

Sam Cooke - A Change Is Gonna Come
The Last Poets - Black Soldier
David McCallum - Edge
2Pac - 2 of Amerikaz Most Wanted (feat. Snoop Dogg)

All original music is written by Benbrick and recorded by the BBC Concert Orchestra.

We had the following guests:

Nikissi Serumaga

Thank you to:

My team - Sandra, Vidhu, and Birungi; Dylan Haskins and the team at BBC Sounds, BBC Concert Orchestra; the Common Ground team - Anne Whitehead, Darshan Sanghrajka, and Benbrick.

Archive:

The clip of Kabaka Mutesa II used at **09:10** is taken from The BBC World Service show Witness.

The theme used at **10:21** is the New Line Cinema ident.

The clip of my Grandfather Andrew Frederick Mpanga talking with Robert Serumaga used from **11:54** to **15:16** is taken from BBC Africa Abroad.

The clip of Malcolm X used at **16:56** is taken from his interview at Berkeley from 1963.

The clips talking about The Black Panthers used at **18:44**, **19:06**, **19:17**, and **19:22** are taken from the New York Times documentary "Black Panthers Revisited".

The announcement of Martin Luther King Jr's death at **19:31** is taken from BBC News.

We used Fred Hampton's legendary "I am a revolutionary" clip at **20:38**.

The clip of Tupac Shakur at **24:25** is taken from the BET Networks video titled "Tupac Shakur: The World Is Hash And I just Don't Got No Beautiful Stories".

Soundtrack:

Sam Cooke - A Change Is Gonna Come
00:16 - 02:09

Benbrick - Change
03:42 - 04:55

Benbrick - The Sixties
05:42 - 11:29

Benbrick - Libya
11:35 - 16:24

Benbrick - The Sixties
16:53 - 18:04

Benbrick - The Sixties
18:44 - 19:30

The Last Poets - Black Soldier
19:46 - 20:38

David McCallum - Edge
21:33 - 22:51

2Pac - 2 of Amerikaz Most Wanted (feat. Snoop Dogg)
23:17 - 25:55

Sam Cooke - A Change Is Gonna Come
26:19 - 27:38

Have You Heard George's Podcast? is a George the Poet production for BBC Sounds.

Commissioning Executive for BBC: Dylan Haskins

MON 23:30 Today in Parliament (m0010wzc)

News, views and features on today's stories in Parliament.

TUESDAY 26 OCTOBER 2021

TUE 00:00 Midnight News (m0010wzf)

The latest news and weather forecast from BBC Radio 4.

TUE 00:30 Slime: A Natural History by Susanne Wedlich (m0010wy3)

[Repeat of broadcast at 09:45 on Monday]

TUE 00:48 Shipping Forecast (m0010wzh)

The latest weather reports and forecasts for UK shipping.

TUE 01:00 Selection of BBC World Service Programmes (m0010wzk)

BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

TUE 05:20 Shipping Forecast (m0010wzm)

The latest weather reports and forecasts for UK shipping.

TUE 05:30 News Briefing (m0010wzp)

The latest news from BBC Radio 4

TUE 05:43 Prayer for the Day (m0010wzr)

A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff

TUE 05:45 Farming Today (m0010wzt)

The latest news about food, farming and the countryside.

TUE 05:58 Tweet of the Day (b096hchc)

Stephen Moss on the Cetti's Warbler

In the second of five recollections about his encounters with birds, writer and wildlife programme-maker Stephen Moss recalls going in search of a bird that 50 years was rare but today are found all over southern Britain - and is most often heard before it is seen, having a very loud song! It is the Cetti's Warbler.

Tweet of the Day has captivated the Radio 4 audience with its daily 90 seconds of birdsong. But what of the listener to this avian chorus? In this new series of Tweet of the Day, we bring to the airwaves the conversational voices of those who listen to and are inspired by birds. Building on the previous series, a more informal approach to learning alongside a renewed emphasis on encounter with nature and reflection in our relationship with the natural world.

Producer: Sarah Blunt
Picture: Jim Thurston.

TUE 06:00 Today (m0010x1y)

News and current affairs, including Sports Desk, Weather and Thought for the Day.

TUE 09:00 The Life Scientific (m0010x20)

Professor Jim Al-Khalili talks to leading scientists about their life and work, finding out what inspires them and asking what their discoveries might do for us in the future.

TUE 09:30 One to One (m0010x22)

Faces of Fame: Janet Ellis meets Vee Kativhu

Vee Kativhu has a kind of fame incomprehensible to most people aged over 40. She makes videos in which she struggles with essay deadlines, gives study tips and celebrates getting the keys to her first flat. Tens of thousands of people watch each vlog she posts, so with so much of her life public, how does she maintain her privacy?
Producer Sally Heaven

TUE 09:45 Slime: A Natural History by Susanne Wedlich (m0010x24)
Primordial Slime

Slime is an ambiguous thing. It exists somewhere between a solid and a liquid. It inspires revulsion even while it compels our fascination in fiction and on the screen. It is both a vehicle for pathogens and the strongest weapon in our immune system. Many of us know little about it, yet it is the substance on which our world turns.

Sirine Saba reads from Susanne Wedlich's ground-breaking new book which leads us on a journey through the 3-billion-year history of slime, from the part it played in the evolution of life on Earth to its potential role in climate change and life beyond our planet.

There is probably no single living creature that does not depend on slime in some way. Most organisms use slime for a number of functions: as a structural material, as jellyfish do; for propagation, as plants do; to catch prey, as frogs do; for defence, like the hagfish; or for movement, like snails.

In this episode, the story of how primordial slime on the ocean floor captivated followers of Charles Darwin. They believed it led to the spontaneous generation of life on Earth and were eventually ridiculed, but now modern scientists are thinking that ocean slimes might yet reveal the secrets of the earliest life on Earth.

Written by Susanne Wedlich and translated by Ayça Türkoğlu
Abridged and produced by Jane Greenwood
A Loftus Media production for BBC Radio 4

TUE 10:00 Woman's Hour (m0010x26)

Women's voices and women's lives - topical conversations to inform, challenge and inspire.

TUE 11:00 Hacking Capitalism (m00111x9)

New documentary for BBC Radio 4

TUE 11:30 Pride or Prejudice: How we Read Now (m0010x28)

Reading Novels

Novels have always sparked controversy. Lady Chatterley's Lover, Lolita and American Psycho were all subject to fierce attacks.

But something is happening now that feels different - a rolling boil of social media outrage and news stories that are not about one novel but about the very nature of reading and writing fiction.

As publishers call in sensitivity readers, universities introduce content warnings and authors face charges of cultural appropriation, Abigail Williams, Professor of English at the University of Oxford, looks beyond the outrage to explore the power of the novel.

In this first programme in the series, Abigail considers the novel from the perspective of the reader, immersed in the values and identities of fictional characters and their imaginary worlds.

Contributors include the Booker Prize shortlisted novelist Nadifa Mohamed, writer and actress Sarah Solemani (who recently adapted the novel Ridley Road for BBC One), literary agent Jonny Geller and the novelists Jo Bloom and Sara Collins.

Books featured include Saul Bellow's Herzog and Angie Thomas's The Hate U Give.

Producer: Julia Johnson
Series Producer: Julia Johnson
Executive Producer: Steven Rajam

An Overcoat Media production for BBC Radio 4

TUE 12:00 News Summary (m0010x2c)

National and international news from BBC Radio 4

TUE 12:04 The Frequency of Us by Keith Stuart (m0010x2f)

Episode 2

Bath, 2007. For the last 65 years, Will has believed that his wife Elsa vanished without trace on the night of an air raid on the city. Lately, he has been seen in his garden at night, calling out for her.

The trouble is, no one has heard of Elsa. And there are no records anywhere to suggest that Will was ever married to anyone.

The suspicion is that he is suffering from dementia. When his new care worker, Laura, starts visiting him at home, she wonders if other forces are at play. Then again, Laura is new to the job - and has demons of her own.

Episode Two

Laura starts visiting the strange old man who lives at Avon Lodge.

Keith Stuart is a journalist and the author of two novels. His first, A Boy Made of Blocks, was published in 2017. He lives with his wife and two sons in Frome, Somerset. The Frequency of Us was a BBC2 Between The Covers Book Club Pick.

Writer: Keith Stuart

Reader: Bryony Hannah

Abridger: Jeremy Osborne

Producer: Jeremy Osborne

A Sweet Talk production for BBC Radio 4

TUE 12:18 You and Yours (m0010x2h)

News and discussion of consumer affairs

TUE 12:57 Weather (m0010x2k)

The latest weather forecast

TUE 13:00 World at One (m0010x2m)

Forty-five minutes of news, analysis and comment, with Sarah Montague.

TUE 13:45 39 Ways to Save the Planet (m0010x2p)

Low Carbon Crisps

Ever thought about the carbon cost of a packet of crisps? At CCM Technologies they think of little else. Their revolutionary fertiliser offers a big step to carbon-free snacking.

Waste from crisp factories or from sewage treatment works can be routed and treated to form the basic building blocks of new fertilisers that can be spread on the ground to grow a new harvest of potatoes- or any other crop we need. The system avoids waste and takes a big cut out of the carbon emissions of traditional fertiliser production. Tom Heap tours the CCM fertiliser plant on the outskirts of Birmingham and discusses the carbon benefits with Dr Tamsin Edwards of King's College London.

Producer: Alasdair Cross

Researcher: Sarah Goodman

Produced in association with the Royal Geographical Society. Special thanks for this episode to Dr Kate Schofield from the University of Plymouth and Dr Abigail González Díaz from the National Institute of Electricity and Clean Energy.

TUE 14:00 The Archers (m0010wz2)

[Repeat of broadcast at 19:00 on Monday]

TUE 14:15 Drama (m0008y4s)

The Beatboxer

The Beatboxer by Testament

A beatboxer goes into a call centre to run a training day. But the bosses have ulterior motives for him being there. Written by and starring celebrated beatboxer Testament.

Subs Testament

Katherine Susan Twist

Samiya Purvi Parmar

Kristy Verity Henry

Graham John Branwell

Jaron Dermot Daly

Caspero Sholto of The Pushwackers

Director/Producer Gary Brown

TUE 15:00 The Kitchen Cabinet (m0010wn7)
[Repeat of broadcast at 10:30 on Saturday]

TUE 15:30 Costing the Earth (m0010wrg)
Six Months on St Kilda

Abandoned by its entire population in 1930, St Kilda has been uninhabited ever since. What's it like to spend six months with the birds on one of Britain's most isolated islands?

Conor McKinney is a naturalist and broadcaster with what might be- depending on your personality- either the best job in the world or the worst. St Kilda is seriously isolated- it's an archipelago of islands over one hundred miles west of the Scottish mainland and 40 miles of rough Atlantic waves away from the nearest pub or shop. That isolation means that it has a unique environment. It's packed with rare and endemic wildlife and the owners of the island- the National Trust for Scotland- want to keep it that way. The Ministry of Defence has a construction project on the main island of Hirta and it's Conor's job to make sure that the boats and builders that will be coming and going don't bring unwanted guests with them- things like sea squirts, Japanese knotweed or- worst of all- the rats that would very quickly decimate the extraordinary seabirds of St Kilda.

Producer: Alasdair Cross

TUE 16:00 Law in Action (m0010x2r)
Long-running legal magazine programme featuring reports and discussion

TUE 16:30 A Good Read (m0010x2t)
Musa Okwonga & Sophie Heawood

Writers Musa Okwonga (One of Them, Striking Out) and Sophie Heawood (The Hungover Games) share their favourite books with Harriett Gilbert. Musa chooses The Bone Readers by Jacob Ross, a crime novel set in the Caribbean. Sophie picks Lunch Poems, a collection by Frank O'Hara written on the streets of New York and Harriett introduces them to An Experiment in Love by Hilary Mantel, written before her Booker-winning Wolf Hall trilogy.

Producer for BBC Audio in Bristol, Eliza Lomas.
comment on instagram at @agoodreadbbc

TUE 17:00 PM (m0010x2w)
Afternoon news and current affairs programme, reporting on breaking stories and summing up the day's headlines.

TUE 18:00 Six O'Clock News (m0010x2y)
The latest national and international news from BBC Radio 4.

TUE 18:30 Daliso Chaponda: Citizen of Nowhere (m0010x30)
Series 3

Episode 3

A third series from Malawian comedian Daliso Chaponda

TUE 19:00 The Archers (m0010wqt)
Ben struggles with recent events and Rex has regrets.

TUE 19:15 Front Row (m0010x32)
Live magazine programme on the worlds of arts, literature, film, media and music

TUE 20:00 File on 4 (m0010x34)
For Richer, For Poorer

With an ageing population, it's estimated that over one million people in the UK will be living with dementia by 2025. But what happens when someone with the condition is deliberately targeted and led into marriage for the financial gain of the partner? Unlike in Scotland, marriage in England and Wales revokes any previous will that may have been made. For those who target someone with dementia and secretly wed them without the knowledge of their family, matrimony can prove to be extremely lucrative. We hear from the families of those believed to have been preyed upon and registrars on the frontline, tasked with spotting a predatory marriage, despite no medical training in assessing dementia. And we speak to campaigners who say the law needs to change to better protect victims and their families.

Reporter: Datsiane Navanayagam
Producer: Paul Grant
Editor: Gail Champion

TUE 20:40 In Touch (m0010x36)
News, views and information for people who are blind or partially sighted

TUE 21:00 Inside Health (m0010wqy)
A weekly quest to demystify the health issues that perplex us.

TUE 21:30 The Life Scientific (m0010x20)
[Repeat of broadcast at 09:00 today]

TUE 22:00 The World Tonight (m0010x38)
In depth reporting, intelligent analysis and breaking news from a global perspective

TUE 22:45 The Frequency of Us by Keith Stuart (m0010x2f)
[Repeat of broadcast at 12:04 today]

TUE 23:00 Fortunately... with Fi and Jane (m0010x3b)
208. Platform Yellers, Flushes and Flashes with Bridget Christie

On the Fortunately podcast this week, Fi Glover and Jane Garvey have a chat with legendary comedian Bridget Christie. Bridget tells Fi and Jane about her new show Who Am I?, her experiences of the menopause, British folklore, the best things about Gloucester and feeling 400 years old. Bridget will be appearing at the Leicester Square Theatre, London 14-18 December. Before their guest's arrival Fi is on the final morning of a holiday home and Jane is outraged at British nomenclature.

Get in touch: fortunately.podcast@bbc.co.uk

TUE 23:30 Today in Parliament (m0010x3d)
Today in Parliament

News, views and features on today's stories in Parliament

WEDNESDAY 27 OCTOBER 2021

WED 00:00 Midnight News (m0010x3g)
The latest news and weather forecast from BBC Radio 4.

WED 00:30 Slime: A Natural History by Susanne Wedlich (m0010x24)
[Repeat of broadcast at 09:45 on Tuesday]

WED 00:48 Shipping Forecast (m0010x3j)
The latest weather reports and forecasts for UK shipping.

WED 01:00 Selection of BBC World Service Programmes (m0010x3l)
BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

WED 05:20 Shipping Forecast (m0010x3n)
The latest weather reports and forecasts for UK shipping.

WED 05:30 News Briefing (m0010x3q)
The latest news from BBC Radio 4

WED 05:43 Prayer for the Day (m0010x3s)
A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff

WED 05:45 Farming Today (m0010x3v)
The latest news about food, farming and the countryside.

WED 05:58 Tweet of the Day (b097cjz7)
Robert Martin on the Cerulean Paradise-flycatcher

Rob Martin of BirdLife International shares an encounter in Indonesia with one of the rarest birds in the world: the Cerulean Paradise-flycatcher, which he feared was extinct.

Tweet of the Day has captivated the Radio 4 audience with its daily 90 seconds of birdsong. In this latest series of Tweet of the Day, we bring to the airwaves the conversational voices of

those who listen to and are inspired by birds. Building on the previous series, a more informal approach to learning alongside a renewed emphasis on encounter with nature and reflection in our relationship with the natural world.

Producer: Eliza Lomas.

WED 06:00 Today (m0010wpx)
News and current affairs, including Sports Desk, Weather and Thought for the Day.

WED 09:00 Life Changing (m0010wq1)
I'm held together by 17 titanium plates

Pip Peacock lives in Bakewell in the Peak District, a perfect spot for walking the family dog, Buster. He'd been with them for 11 years. He was originally a present for her youngest son when he was a teenager but when he found out just how much was involved in dog ownership the title of chief dog walker soon fell to Pip.

Thankfully she likes walking. This year she set herself a challenge of completing 1000 miles on foot. She finished the last mile this October, raising money for the air ambulance who had come to her rescue when she was seriously injured on another country walk with Buster back in 2019. She tells Jane Garvey how that moment left her fighting for her life.

If you'd like to get in touch with the programme you can email us: lifechanging@bbc.co.uk

See here for more detail on how to keep safe whilst walking near livestock: www.ramblers.org.uk/advice/safety/walking-near-livestock.aspx

WED 09:30 39 Ways to Save the Planet (m0010wqr)
Hunting Down Polluters

Tom Heap discovers how to catch the planet's polluters with help from satellites, artificial intelligence and former US Vice President Al Gore.

Pollution data from companies and countries can be inaccurate, incomplete or just plain deceitful. The team at Climate TRACE, led by Al Gore, have devised ways to calculate accurate emissions data from power stations, factories, ships and even planes. That data can be used to name and shame polluters and to provide accurate figures for international negotiations on climate change and air pollution.

Producer: Alasdair Cross

Researcher: Sarah Goodman

Produced in association with the Royal Geographical Society. Special thanks for this episode to Professor Raphael Heffron from the University of Dundee and Professor Paul Palmer from the University of Edinburgh.

WED 09:45 Slime: A Natural History by Susanne Wedlich (m0010wrv)
Disgusting

Slime is an ambiguous thing. It exists somewhere between a solid and a liquid. It inspires revulsion even while it compels our fascination in fiction and on the screen. It is both a vehicle for pathogens and the strongest weapon in our immune system. Many of us know little about it, yet it is the substance on which our world turns.

Sirine Saba reads from Susanne Wedlich's ground-breaking new book which leads us on a journey through the 3-billion-year history of slime, from the part it played in the evolution of life on Earth to its potential role in climate change and life beyond our planet.

There is probably no single living creature that does not depend on slime in some way. Most organisms use slime for a number of functions: as a structural material, as jellyfish do; for propagation, as plants do; to catch prey, as frogs do; for defence, like the hagfish; or for movement, like snails.

In this episode, the story of the French philosopher John-Paul Sartre's obsessive loathing of slime, and why it caused him so much existential angst. Feeding into his worst fears and anxieties about women, sex and death, he was unable to bear even foods such as tomatoes which reminded him of slime.

Most of us do not share Sartre's extreme reaction to slime, but nonetheless often find it disgusting. But perhaps we should look beyond our disgust to appreciate the vital role it plays in our health and wellbeing.

Written by Susanne Wedlich and translated by Ayça Türkoğlu
Abridged and produced by Jane Greenwood

A Loftus Media production for BBC Radio 4

WED 10:00 Woman's Hour (m0010wq5)

Women's voices and women's lives - topical conversations to inform, challenge and inspire.

WED 11:00 A Summer of Fire and Flood (m0010wq7)

[Repeat of broadcast at 20:00 on Monday]

WED 11:30 What's Funny About ... (m0010wqb)

Series 2

6. The Good Life

Peter Fincham and Jon Plowman hear the inside story of The Good Life

WED 12:00 News Summary (m0010xmv)

National and international news from BBC Radio 4

WED 12:04 The Frequency of Us by Keith Stuart (m0010wqg)

Episode 3

Bath, 2007. For the last 65 years, Will has believed that his wife Elsa vanished without trace on the night of an air raid on the city. Lately, he has been seen in his garden at night, calling out for her.

The trouble is, no one has heard of Elsa. And there are no records anywhere to suggest that Will was ever married to anyone.

The suspicion is that he is suffering from dementia. When his new care worker, Laura, starts visiting him at home, she wonders if other forces are at play. Then again, Laura is new to the job - and has demons of her own.

Episode Three

Laura makes further enquiries about Will and has a strange experience in his radio workshop.

Keith Stuart is a journalist and the author of two novels. His first, *A Boy Made of Blocks*, was published in 2017. He lives with his wife and two sons in Frome, Somerset. *The Frequency of Us* was a BBC2 Between The Covers Book Club Pick.

Writer: Keith Stuart

Reader: Bryony Hannah

Abridger: Jeremy Osborne

Producer: Jeremy Osborne

A Sweet Talk production for BBC Radio 4

WED 12:18 World at One (m0010wqp)

News, analysis and comment, with Sarah Montague.

WED 14:00 The Archers (m0010wqt)

[Repeat of broadcast at 19:00 on Tuesday]

WED 14:15 Drama (m0006s79)

The First Man on the Moon and How They Done It

The National Theatre of Brent present a unique dramatised radio re-enactment of the fifty-two year centenary of the Historic First Walking on the Moon. As it was done by Neil Armstrong, Buzz Aldrin and Phil Collins.

It seems only yesterday when the moon was just a mysterious light in the unknown depths of the night sky that man could only guess at the purpose of and no one knew anything about whatsoever.

Then, all of a sudden in 1969, something remarkable occurred.

The famous Space Race began literally out of the blue and the famously infamous president President Nixon, on the run avoiding investigation for dodgy dealing, ordered the US space race to begin with the famous words, "Let the Space Race begin!" - or words to that effect.

And, as if that weren't enough, besides this historic and - we believe first ever - reconstruction of a historic astronomic event ever done on radio as it almost certainly probably happened, we will also delve controversially into the often stormy on-board relationships of the space men themselves and also - even more controversially perhaps - glimpse into their often stormy domestic lives too, in particular what it meant and how it felt to be Mrs Armstrong and Mrs Aldrin.

Did they support their space men husbands or were they, in

fact, deeply divided and bitter about it having to stay at home basically and do the laundry and dusting?

These fascinating and hitherto un-probed events - and many more - will be revealed in this pioneering, historic, spectacular, authentic, yet unashamedly controversial BBC radio drama.

Cast:

Desmond Olivier Dingle - Patrick Barlow
Raymond Box - John Ramm

Written by the National Theatre of Brent - Patrick Barlow, John Ramm and Martin Duncan.

Director: Martin Duncan

Producer: Liz Anstee

A CPL production for BBC Radio 4

WED 15:00 Money Box (m0010wqw)

Paul Lewis and a panel of guests answer calls on personal finance. Producer: Emma Rippon

WED 15:30 Inside Health (m0010wqy)

[Repeat of broadcast at 21:00 on Tuesday]

WED 16:00 Thinking Allowed (m0010wr0)

Laurie Taylor explores the latest research into how society works.

WED 16:30 The Media Show (m0010wr2)

Social media, anti-social media, breaking news, faking news: this is the programme about a revolution in media.

WED 17:00 PM (m0010wr4)

Afternoon news and current affairs programme, reporting on breaking stories and summing up the day's headlines.

WED 18:00 Six O'Clock News (m0010wr8)

The latest national and international news from BBC Radio 4.

WED 18:30 The Cold Swedish Winter (m000182j)

Series 4

Childhood

The fourth series of the comedy following the fortunes of a British comic who has married into a Swedish family and is building a new life in Scandinavia.

The series is set and recorded on location in Sweden, written Danny Robins (co-creator and writer of the Lenny Henry comedy *Rudy's Rare Records*), and stars Edinburgh Comedy Award-winning comedian Adam Riches along with a cast of Sweden's most popular TV comedy actors.

We catch up with Geoff (Adam Riches) and Linda (Sissela Benn) as the generous period of Swedish paternity leave comes to an end. It's time to discuss sending their son John to dagis (nursery school) and launching Geoff onto the unsuspecting Swedish job market. This means Geoff must come to terms with conflicting attitudes towards health and safety, the sinister undertones of Pippi Longstocking and what happens when the entire staff of a Swedish office 'kicks off'.

In his new, tiny, unpronounceable, Northern home-town of Yxsjö, Geoff confronts the Scandinavian practice of 'death-cleaning', the Mosquito Museum, white water canoeing and Swedish attitudes towards gender equality. His father-in-law Sten (Thomas Oredsson) becomes the voice of Geoff's conscience and Gunilla (Anna-Lena Bergelin), his mother-in-law, helps him make a commercial.

In this first episode, Geoff worries about trolls, mortality and poisoned blueberries.

Cast:

Geoff - Adam Riches
Linda - Sissela Benn
Gunilla - Anna-Lena Bergelin
Sten - Thomas Oredsson
John - Harry Nicolau
Ian - Danny Robins

Written by Danny Robins

Produced and directed by Frank Stirling

A 7digital production for BBC Radio 4

WED 19:00 The Archers (m0010wrb)

An unexpected visitor causes disruption and Lily tries to look on the bright side.

WED 19:15 Front Row (m0010wrD)

Live magazine programme on the worlds of arts, literature, film, media and music

WED 20:00 Life Changing (m0010wq1)

[Repeat of broadcast at 09:00 today]

WED 20:30 Descendants (m000wts2)

Marlon and Valerie

One year on from the toppling of the Colston Statue in Bristol, Descendants asks... how close is each of us to the legacy of Britain's role in slavery? And who does that mean our lives are connected to?

Yrsa Daley-Ward narrates seven episodes telling the stories of people whose lives today are all connected through this history and its legacy.

As a teenager growing up in South London, Marlon discovered steel pan and it changed his life. While grappling with the meaning of his own surname, and how it connects to the history of British slavery, he uncovers how the instrument he loves was also born out of the legacies of this history. The heritage of carnival and steel pan leads us to Valerie, a white woman, born and raised in Trinidad, who seeks to understand how her family ended up on this isle - and discovers her ancestor's role in the events which led to the creation of a cultural institution.

Producers: Polly Weston, Candace Wilson, Rema Mukena
Editor: Kirsten Lass

Academic consultants: Matthew Smith and Rachel Lang of the UCL Centre for the Study of the Legacies of British Slavery
Additional genealogical research is by Laura Berry

WED 21:00 Costing the Earth (m0010wrg)

[Repeat of broadcast at 15:30 on Tuesday]

WED 21:30 The Media Show (m0010wr2)

[Repeat of broadcast at 16:30 today]

WED 22:00 The World Tonight (m0010wrj)

In depth reporting, intelligent analysis and breaking news from a global perspective

WED 22:45 The Frequency of Us by Keith Stuart (m0010wqg)

[Repeat of broadcast at 12:04 today]

WED 23:00 Lasties (m0010wrl)

Hot Magnums

The bell rings in Boo and Ray's local, and they have fifteen minutes to drink up. A series of four comic plays written by and starring John Kearns and Tim Key.

Ray's fuming. Boo's brought his "big shop" along to the pub and his fish fingers are thawing. He challenges Boo to put a log on the fire. Derek - an old goose of a landlord - isn't happy with any of it.

Written by and starring John Kearns and Tim Key

Producer: Andy Goddard

Executive Producer: Max O'Brien

A Novel production for BBC Radio 4

WED 23:15 Tarot: Soundbleed (m0010wrn)

Episode 4

Tarot: Soundbleed is the brainchild of multi-award winning sketch supergroup Tarot, which unites Gein's Family Giftshop and Goose, alongside stand-up and writer Kiri Pritchard-McLean.

In August 2019, Tarot were the 5th best-reviewed act in Edinburgh, the fourth best show of the year according to The List, and the best show of the year according to Chortle. The Guardian called it 'bark-out-loud funny', and The Telegraph called it 'hilarious'. Throughout their richly soundscaped first series, Soundbleed harnesses the group's inventive writing, rapid gag rate and fine ear for character. In Episode Four, we hear three people preparing for the end of the world, what you can really hear when you put your ear to a shell and a very unusual ASMR scenario.

Written and Performed by Adam Drake, Edward Easton, Kath Hughes, Ben Rowse and Kiri Pritchard-McLean.

Producer: Hayley Sterling

Production Coordinator: Sarah Nicholls

Sound Editor: Chris Maclean

A BBC Studios Production

WED 23:30 Today in Parliament (m0010wrg)
News, views and features on today's stories in Parliament.

THURSDAY 28 OCTOBER 2021

THU 00:00 Midnight News (m0010wrs)
The latest news and weather forecast from BBC Radio 4.

THU 00:30 Slime: A Natural History by Susanne Wedlich (m0010wrv)
[Repeat of broadcast at 09:45 on Wednesday]

THU 00:48 Shipping Forecast (m0010wry)
The latest weather reports and forecasts for UK shipping.

THU 01:00 Selection of BBC World Service Programmes (m0010ws0)
BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

THU 05:20 Shipping Forecast (m0010ws2)
The latest weather reports and forecasts for UK shipping.

THU 05:30 News Briefing (m0010ws4)
The latest news from BBC Radio 4

THU 05:43 Prayer for the Day (m0010ws6)
A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff

THU 05:45 Farming Today (m0010ws8)
The latest news about food, farming and the countryside.

THU 05:58 Tweet of the Day (b03bkc54)
Red-legged Partridge

Tweet of the Day is a series of fascinating stories about the British birds inspired by their calls and songs.

Wildlife Sound Recordist, Chris Watson, presents the Red-legged Partridge. The red-legged partridge, which are sometimes called French partridges, are native to Continental Europe and were successfully introduced to the UK as a game bird in the 18th century. Seen from a distance, crouching in an arable field, they look like large clods of earth, but up close they have beautiful plumage.

THU 06:00 Today (m0010xnp)
News and current affairs, including Sports Desk, Weather and Thought for the Day.

THU 09:00 In Our Time (m0010xnr)
Corals

Melvyn Bragg and guests discuss the simple animals which informed Charles Darwin's first book, *The Structure and Distribution of Coral Reefs*, published in 1842. From corals, Darwin concluded that the Earth changed very slowly and was not fashioned by God. Now coral reefs, which some liken to undersea rainforests, are threatened by human activity, including fishing, pollution and climate change.

With

Steve Jones
Senior Research Fellow in Genetics at University College London

Nicola Foster
Lecturer in Marine Biology at the University of Plymouth

And

Gareth Williams
Associate Professor in Marine Biology at Bangor University School of Ocean Sciences

Producer Simon Tillotson.

THU 09:45 Slime: A Natural History by Susanne Wedlich (m0010xnt)
Snails

Slime is an ambiguous thing. It exists somewhere between a solid and a liquid. It inspires revulsion even while it compels our fascination in fiction and on the screen. It is both a vehicle for pathogens and the strongest weapon in our immune system. Many of us know little about it, yet it is the substance on which our world turns.

Sirine Saba reads from Susanne Wedlich's ground-breaking new book which leads us on a journey through the 3-billion-year history of slime, from the part it played in the evolution of life on Earth to its potential role in climate change and life beyond our planet.

There is probably no single living creature that does not depend on slime in some way. Most organisms use slime for a number of functions: as a structural material, as jellyfish do; for propagation, as plants do; to catch prey, as frogs do; for defence, like the hagfish; or for movement, like snails.

In this episode, the story of the novelist Patricia Highsmith's life-long obsession with snails. For her they were a symbol of female sexual transgression, and several men in her stories meet slimy ends, devoured by snails. An abrasive and difficult personality, she found companionship with her pet snails, smuggling them across borders in her bra and taking them in her handbag to dinner parties for company.

Written by Susanne Wedlich and translated by Ayça Türkoğlu
Abridged and produced by Jane Greenwood
A Loftus Media production for BBC Radio 4

THU 10:00 Woman's Hour (m0010xnw)
Women's voices and women's lives - topical conversations to inform, challenge and inspire.

THU 11:00 From Our Own Correspondent (m0010xy)
Insight, and analysis from BBC correspondents around the world

THU 11:30 Laura Barton's Notes on Music (m0010xp0)
Laura Barton's Words

A triptych of audio essays on the enduring qualities, appeal and intent of pop music.

In this second episode, the writer Laura Barton looks at popular music's relationship with language - wordplay, neologisms, and the sensory delight of sound, from Little Richard's a-wop-bop-a-loo-bop to the fleet-footed grime MCs of today, via the careful honing of the singer-songwriter.

Including contributions from singer-songwriter Anais Mitchell and Poet Laureate and lyricist Simon Armitage, as well as an archive appearance from Billy Joel.

Produced by Alan Hall
A Falling Tree production for BBC Radio 4

THU 12:00 News Summary (m0010xp2)
National and international news from BBC Radio 4

THU 12:04 The Frequency of Us by Keith Stuart (m0010xp4)
Episode 4

Bath, 2007. For the last 65 years, Will has believed that his wife Elsa vanished without trace on the night of an air raid on the city. Lately, he has been seen in his garden at night, calling out for her.

The trouble is, no one has heard of Elsa. And there are no records anywhere to suggest that Will was ever married to anyone.

The suspicion is that he is suffering from dementia. When his new care worker, Laura, starts visiting him at home, she wonders if other forces are at play. Then again, Laura is new to the job - and has demons of her own.

Episode Four
Laura decides she must confront Will about his version of the past.

Keith Stuart is a journalist and the author of two novels. His first, *A Boy Made of Blocks*, was published in 2017. He lives with his wife and two sons in Frome, Somerset. *The Frequency of Us* was a BBC2 Between The Covers Book Club Pick.

Writer: Keith Stuart
Readers: Bryony Hannah and Blake Ritson
Abridger: Jeremy Osborne
Producer: Jeremy Osborne

A Sweet Talk production for BBC Radio 4

THU 12:18 You and Yours (m0010xp6)
News and discussion of consumer affairs

THU 12:57 Weather (m0010xp8)
The latest weather forecast

THU 13:00 World at One (m0010xpb)
Forty-five minutes of news, analysis and comment, with Sarah Montague.

THU 13:45 39 Ways to Save the Planet (m0010xpd)
Hydrogen Revolution

It could be the clean fuel of the near future- for homes and for heavy machinery. Lord Bamford, head of JCB, is betting that it will power the next generation of emission-free tractors, diggers and loaders. Tom Heap meets the JCB team and discusses the pros and cons of hydrogen with climate scientist, Tamsin Edwards of King's College, London.

Producer: Alasdair Cross

Researcher: Sarah Goodman

Produced in association with the Royal Geographical Society. Special thanks for this episode to Mickella Dawkins at Loughborough University and from the University of Edinburgh, Dr Katriona Edlmann, Dr Romain Viguier and Dr Ali Hassanpouryouzband.

THU 14:00 The Archers (m0010wrb)
[Repeat of broadcast at 19:00 on Wednesday]

THU 14:15 The Attendant (m0010xpg)
Sci-Fi

Strange things happen when you shake your hard-boiled egg in a packet of crushed up Monster Munch. A hilarious, unorthodox love story set on the night shift at a petrol station.

Alex is desperate to find someone to share his life with, but too scared to do anything about it. A film-obsessive, he works the night shift at an isolated petrol station on the outskirts of a two-bit town. Awkward, and with no real friends to speak of, he confides in his only 'colleague' - a smiley-faced vacuum cleaner named Keith, whose voice only Alex can hear.

Ella is a cycling-mad woman of action, prepared for anything and curious about everything. One stormy night, by chance, their lives intersect. These two lonely souls are made for each other, even if they don't know it. This is their story.

Tonight, Alex finds a toy ray-gun in an industrial bin and accidentally blasts himself in the face, spawning his evil twin. This sets off a chain of events that will see Alex, Ella and a recycling collector named Denise attempt to stop Evil Alex and Ella turning the whole town bad.

CAST
Alex/Evil
Alex.....Will Merrick
Ella/Evil Ella.....Patricia Allison
Keith/Evil Keith and the 'How To Tapes'...Kenneth Collard
Denise / Evil Denise.....Ingrid Oliver
Barry Oatcakes.....Joseph Tweedale

Written and created by The Cullen Brothers
Script Editor: Abigail Youngman
Producers: Alison Crawford and Mary Ward-Lowery
Sound Design: Ilse Lademann
Includes original music by Tom Constantine
Director: Alison Crawford

The Cullen Brothers (Oliver and Jake) are award winning writers, directors and producers from Bristol. The duo blend their love and knowledge of cinema with their distinctive, absurd and irreverent comedic style. They are currently developing other projects for radio, as well as TV and film. The *Attendant* series is based on their internationally acclaimed short film of the same title starring Robert James-Collier (Downton Abbey) and Isy Suttie (Peep Show).

THU 14:45 The Things We Leave Behind (m000wjft)
Episode 4

A five-part series specially written for Radio 4 by Mary Paulson-Ellis.

The Things We Leave Behind tells the story of a life in five objects. Starting near the end of her life and moving backwards

in time, the defining moments of Rosalind Goddard's life are revealed through seemingly random accumulated items.

Read by Alexandra Mathie.

Producer - Gaynor Macfarlane

THU 15:00 Open Country (m0010xpj)

Until the land runs out

This is the story of a young man called William Henry Quinn who returned from war and walked from Cornwall to Scotland. He also went to Wales, the Cotswolds and the Yorkshire Dales. It's a tale for anyone who has ever tried to regather themselves with a little help from time and landscape, but the truth of his journey is not quite all it seems. There are letters, photos and various objects including a marlin knife, all of them belonging to Lottie Davies.

Miles Warde met Lottie Davies out on Dartmoor to find out who Quinn really was, and whether he walked until the land ran out.

With contributions from actor Sam Weir and narrated by Kate Chaney.

The producer for BBC Audio in Bristol is Miles Warde

THU 15:27 Radio 4 Appeal (m0010wks)

[Repeat of broadcast at 07:54 on Sunday]

THU 15:30 Open Book (m0010wlm)

[Repeat of broadcast at 16:00 on Sunday]

THU 16:00 The Curious Cases of Rutherford & Fry

(m0010xpl)

Series 18

The Painless Heart

Why does my heart not ache after exercise? asks listener Keith. Rutherford and Fry explore how and why heart muscle cells are special.

Dr Mitch Lomax is a sports scientist at the University of Portsmouth. She helps actual Olympic swimmers get faster. She explains how most of the muscles attached to our skeletons work: Tiny fibres use small-scale cellular energy, which, when all these fibres work in concert, turns into visible muscular movement. Mitch also explains how the dreaded Delayed Onset Muscle Soreness, or DOMS, can hit, taking a stair-wincing 48-72 hours to peak after exercise.

But skeletal muscles turn out to be quite different to heart muscles, as consultant cardiologist Dr Rohin Francis explains. Heart cells are more efficient and don't get fatigued like skeletal muscle cells. They are extremely energetic and 'just want to beat'. He also explains that the sensory feedback from the heart muscles is different too. They have a different sort of nerve supply, with fewer sensory nerves, so that there is less chance of pain signals being sent to the brain.

However, heart cells' incredible abilities are counterbalanced by one Achilles-like flaw: They cannot easily heal. Professor Sanjay Sinha is a British Heart Foundation (BHF) Senior Research Fellow and a Professor in Cardiovascular Regenerative Medicine at the University of Cambridge. His job is to fix broken hearts and he explains to Adam how new research into stem cells could be used to fix normally irreparable heart cells.

Producer - Jennifer Whyntie and Fiona Roberts
Presenters - Hannah Fry and Adam Rutherford

THU 16:30 BBC Inside Science (m0010xpn)

A weekly programme that illuminates the mysteries and challenges the controversies behind the science that's changing our world.

THU 17:00 PM (m0010xpg)

Afternoon news and current affairs programme, reporting on breaking stories and summing up the day's headlines.

THU 18:00 Six O'Clock News (m0010xps)

The latest national and international news from BBC Radio 4.

THU 18:30 The Break (m000kpv7)

Series 3

5. Strangers and a Drain

Jeff (Philip Jackson) ill-advisedly offers to clean the chaotic drains of his girlfriend Corinne (Alison Steadman) while she's away at a pest control conference.

Seeking to free himself from this unsavoury task, Jeff strikes a murky deal with Fish Shop Frank (Mark Benton) to swap DIY tasks - Frank will clear Corinne's drains and Jeff will fix Frank's shelves.

However, things don't go according to plan. The hapless pair are sucked into a swirling vortex leading to a seething netherworld of crime and Mariachi. Along the way they once again meet punctilious and pedantic policeman, PC Clarke ("That's Clarke with an 'e'") and also unorthodox and erratic limo driver, Psycho Pete (Rasmus Hardiker).

In the meantime, Andy (James Northcote) is training to be a bingo-caller. Unlucky for some - 13.

Starring:
Philip Jackson
Alison Steadman
Mark Benton
Shobna Gulati
Rasmus Hardiker
James Northcote

Created and Written by Ian Brown and James Hendrie
Studio Engineered and Edited by Leon Chambers
Production Manager Sarah Tombling
Produced and Directed by Gordon Kennedy

Recorded at The Soundhouse Studios, London

An Absolutely production for BBC Radio 4

THU 19:00 The Archers (m0010xpv)

Writer, Nick Warburton
Director, Julie Beckett & Kim Greengrass
Editor, Jeremy Howe

Jill Archer Patricia Greene
David Archer Timothy Bentinck
Ruth Archer Felicity Finch
Ben Archer Ben Norris
Kenton Archer Richard Attlee
Jolene Archer Buffy Davis
Tony Archer David Troughton
Leonard Berry Paul Copley
Rex Fairbrother Nick Barber
Eddie Grundy Trevor Harrison
Russ Jones Andonis James Anthony
Elizabeth Pargetter Alison Dowling
Freddie Pargetter Toby Laurence
Lily Pargetter Katie Redford
Beth Casey Rebecca Fuller
Trevor..... Julian Rhind-Tutt

THU 19:15 Front Row (m0010xpx)

Live magazine programme on the worlds of arts, literature, film, media and music

THU 20:00 Law in Action (m0010x2r)

[Repeat of broadcast at 16:00 on Tuesday]

THU 20:30 The Bottom Line (m0010xpz)

Evan Davis chairs a discussion providing insight into business from the people at the top.

THU 21:00 BBC Inside Science (m0010xpn)

[Repeat of broadcast at 16:30 today]

THU 21:30 In Our Time (m0010xnr)

[Repeat of broadcast at 09:00 today]

THU 22:00 The World Tonight (m0010xq2)

In depth reporting, intelligent analysis and breaking news from a global perspective

THU 22:45 The Frequency of Us by Keith Stuart (m0010xp4)

[Repeat of broadcast at 12:04 today]

THU 23:00 Date Night (m0010xq4)

Series 2

Episode 1

Second series of the semi-improvised comedy show written and performed by Marc Wootton with Hammed Animashaun, Rosie

Cavaliero, Monica Dolan, Katherine Parkinson and Catherine Tate.

Together, they portray a series of couples who are all embracing the modern phenomenon of date night.

DATE NIGHT, noun: A pre-arranged occasion when a couple who have been together for a long time commit to a regular night out in order to keep their relationship alive.

The series follows a collection of couples who are desperately trying to keep their relationship functioning with a weekly date night intervention. For some, the relationship is already clearly broken. For others it is a pre-emptive strike in the hope of new-found longevity.

Date Night is written and created by Marc Wootton whose previous credits include High & Dry (Ch4), La La Land (Showtime), Shirley Ghostman (BBC) and My New Best Friend (Ch4).

Cast:
Terry / Patrick / Harry / Fiona Marc Wootton
Terri Catherine Tate
Carol Monica Dolan
Linda Rosie Cavaliero
Jamali Hammed Animashaun

Narrator Fi Glover

Editor: Chris Maclean
Producer: James Peak

An Essential Radio production for BBC Radio 4

THU 23:30 Today in Parliament (m0010xq7)

News, views and features on today's stories in Parliament

FRIDAY 29 OCTOBER 2021

FRI 00:00 Midnight News (m0010xq9)

The latest news and weather forecast from BBC Radio 4.

FRI 00:30 Slime: A Natural History by Susanne Wedlich (m0010xnt)

[Repeat of broadcast at 09:45 on Thursday]

FRI 00:48 Shipping Forecast (m0010xqc)

The latest weather reports and forecasts for UK shipping.

FRI 01:00 Selection of BBC World Service Programmes (m0010xqf)

BBC Radio 4 presents a selection of news and current affairs, arts and science programmes from the BBC World Service.

FRI 05:20 Shipping Forecast (m0010xqh)

The latest weather reports and forecasts for UK shipping.

FRI 05:30 News Briefing (m0010xqk)

The latest news from BBC Radio 4

FRI 05:43 Prayer for the Day (m0010xqm)

A reflection and prayer to start the day with George Craig, a Methodist local preacher in Cardiff

FRI 05:45 Farming Today (m0010xqp)

The latest news about food, farming and the countryside.

FRI 05:58 Tweet of the Day (b098n5pp)

Joe Acheson on the Starling

Musician Joe Acheson describes recording the sounds of starlings at the Lizard in Cornwall to use in his work as Hidden Orchestra.

Producer: Tom Bonnett
Photograph: PeskyMesky.

FRI 06:00 Today (m0010xt8)

News and current affairs, including Sports Desk, Weather and Thought for the Day.

FRI 09:00 Desert Island Discs (m0010w15)

[Repeat of broadcast at 11:00 on Sunday]

FRI 09:45 Slime: A Natural History by Susanne Wedlich (m0010xw0)

A Billion Years of Slime

Slime is an ambiguous thing. It exists somewhere between a solid and a liquid. It inspires revulsion even while it compels our fascination in fiction and on the screen. It is both a vehicle for pathogens and the strongest weapon in our immune system. Many of us know little about it, yet it is the substance on which our world turns.

Sirine Saba reads from Susanne Wedlich's ground-breaking new book which leads us on a journey through the 3-billion-year history of slime. There is probably no single living creature that does not depend on slime in some way. Most organisms use slime for a number of functions: as a structural material, as jellyfish do; for propagation, as plants do; to catch prey, as frogs do; for defence, like the hagfish; or for movement, like snails.

In this final episode, the story of how slime dominated the Earth for a billion years and the crucial role it played in the evolution of life. And, with climate change, some scientists think slime could re-emerge to dominate the planet for another billion years.

Written by Susanne Wedlich and translated by Ayça Türkoğlu
Abridged and produced by Jane Greenwood
A Loftus Media production for BBC Radio 4

FRI 10:00 Woman's Hour (m0010xtg)

Women's voices and women's lives - topical conversations to inform, challenge and inspire.

FRI 11:00 Green Inc (m0010ypr)

Carbon Omissions

Cop26 is fast approaching. The usually imperturbable IPCC's latest report can best be translated as 'Panic!' and our Facebook feeds and Twitter timelines are littered daily with biblical scenes of infernos and flooding. But at least corporations are taking the crisis seriously... if you believe their advertising that is.

In an anarchic and challenging documentary series, BAFTA winning journalist and satirist Heydon Prowse gives us his personal take as he unpacks the multi-billion-dollar PR and advertising industry that's helping businesses across tech, energy, food and farming appear climate friendly.

With increasing consumer demand for more sustainable stuff, companies are today falling over themselves to meet increased consumer demand for more sustainable products. Are we seeing the world's largest companies shift in a more sustainable direction or is all this slick advertising just lulling us into a false sense of security?

In this first episode, the oil and gas industry, where influencers dance around cartoon solar panels and company's twitter feeds read like they've pivoted to become environmental campaigners.

Presenter: Heydon Prowse
Producer: Georgia Catt

FRI 11:30 God Squad (m0010znk)

A new sitcom set in a university Christian society where the members realise that, unless they adapt, they haven't got a prayer

God Squad is about four young Christians trying to make their way at university. They're fishing in crowded waters, with activist groups, sports clubs, and all the delights of student life competing with them for the soul of the campus - and they're losing. Sure, they've got "Text a Toastie", but with falling church attendance among young people, and even within the four of them, views ranging from mild to mildly explosive - they realise they have to adapt or face extinction. God knows what's going to happen - but he's not telling...

Starring
Dan Barney Fishwick
Philip Jack Chisnall
Sophie Lili Miller
Katrina Helena Antoniou

With special guests
Wendy Charly Clive
Tom Kiell Smith-Bynoe

Written by Barney Fishwick & Jack Chisnall

Produced & directed by David Tyler

A Pozzitive production for the BBC

www.pozzitive.co.uk

The show is a Pozzitive production, and is produced by David Tyler whose other credits include Agendum, The Brig Society, Giles Wembley Hogg, Jeremy Hardy Speaks To The Nation, Cabin Pressure, John Finnemore's Double Acts, Jack & Millie, Thanks A Lot, Milton Jones!, Shush!, Kevin Eldon Will See You Now, Armando Iannucci's Charm Offensive, The Castle, The 3rd Degree, The 99p Challenge, My First Planet, Radio Active & Bigipedia. His TV credits include Paul Merton - The Series, Spitting Image, Absolutely, The Paul Calf Video Diary, Three Fights Two Weddings & A Funeral, Coogan's Run, The Tony Ferrino Phenomenon and exec producing Victoria Wood's Dinnerladies.

FRI 12:00 News Summary (m0010xyt)

National and international news from BBC Radio 4

FRI 12:04 The Frequency of Us by Keith Stuart (m0010xtl) Episode 5

Bath, 2007. For the last 65 years, Will has believed that his wife Elsa vanished without trace on the night of an air raid on the city. Lately, he has been seen in his garden at night, calling out for her.

The trouble is, no one has heard of Elsa. And there are no records anywhere to suggest that Will was ever married to anyone.

The suspicion is that he is suffering from dementia. When his new care worker, Laura, starts visiting him at home, she wonders if other forces are at play. Then again, Laura is new to the job - and has demons of her own.

Episode Five

In Will's memoirs, Laura learns more about Elsa. And she decides to investigate the cellar at Avon Lodge.

Keith Stuart is a journalist and the author of two novels. His first, *A Boy Made of Blocks*, was published in 2017. He lives with his wife and two sons in Frome, Somerset. The Frequency of Us was a BBC2 Between The Covers Book Club Pick.

Writer: Keith Stuart

Readers: Bryony Hannah and Blake Ritson

Abridger: Jeremy Osborne

Producer: Jeremy Osborne

A Sweet Talk production for BBC Radio 4

FRI 12:18 You and Yours (m0010xtn)

News and discussion of consumer affairs

FRI 12:57 Weather (m0010xtq)

The latest weather forecast

FRI 13:00 World at One (m0010xts)

Forty-five minutes of news, analysis and comment, with Jonny Dymond.

FRI 13:45 39 Ways to Save the Planet (m0010xtv)

Arnold Schwarzenegger's favourite ways to save the planet

Arnold Schwarzenegger is the former Governor of California and one of America's most influential green voices. He's also one of the biggest movie stars in the world and a big fan of the innovators, activists and entrepreneurs featured in the previous 39 episodes of this series. In this final programme, the Terminator star discusses his favourite ideas from the series with Tom Heap and looks forward to the crucial climate change talks in Glasgow in November.

Producer: Alasdair Cross

FRI 14:00 The Archers (m0010xpv)

[Repeat of broadcast at 19:00 on Thursday]

FRI 14:15 Limelight (m0010xtx)

Harland

Harland - Episode 1: Tuesday

Lucy Catherine's supernatural thriller set in the new town of Harland, built on the site of a village abandoned 900 years earlier. DI Sarah Ward returns to work to investigate the disappearance of a child.

Sarah Ayesha Antoine

Dan Tyger Drew-Honey

Sadie Melissa Advani

Lori Grace Cooper Milton
Pete Michael Begley
Jess Lizzie Mounter
Counsellor Christine Kavanagh
Jerry Joseph Ayre
Aldo Sam Dale
DJ Justice Ritchie
Police Control Chris Jack

Sound design by Caleb Knightley
Directed by Toby Swift

FRI 14:45 A History of Ghosts (m000ntb6)

8. The Spiritualists

Illustration by Seonaid Mackay

'Having seen so much of Katie lately, when she has been illuminated by the electric light, I am enabled to add to the points of difference between her and her medium.

Katie's height varies; in my house I have seen her six inches taller than Miss Cook. Last night, with bare feet and not tip-toeing, she was four and a half inches taller than Miss Cook.

Katie's neck was bare last night; the skin was perfectly smooth both to touch and sight, whilst on Miss Cook's neck is a large blister...

Miss Cook's hair is so dark a brown as almost to appear black; a lock of Katie's, which is now before me, and which she allowed me to cut from her luxuriant tresses,, is a rich golden auburn.'

Kirsty Logan examines the Spiritualist movement, via the life of medium Florence Cook, and her spirit guide, Katie King, and discovers how a career communication with spirits could result in both opportunity and ruin for Victorian women.

FRI 15:00 Gardeners' Question Time (m0010xv0)

GQT at Home

Horticultural programme featuring a group of gardening experts, chaired by Kathy Clugston. This week, a virtual audience of listeners from across the country puts questions to James Wong, Pippa Greenwood and Christine Walkden.

Producer - Hannah Newton
Assistant Producer - Aniya Das

A Somethin' Else production for BBC Radio 4

FRI 15:45 Short Works (m0010xv2)

Slow Burn

An original short story specially commissioned by BBC Radio 4 by the Irish writer Laura-Blaise McDowell. As read by Eimear Keating.

Laura-Blaise McDowell holds an MA in Creative Writing from University College Dublin. Her work has appeared in a number of publications, including *The Irish Times*, *The Galway Review*, *HeadStuff*, *Honest Ulsterman* and *Still Worlds Turning*, an anthology of new Irish writing from No Alibis Press. In 2020, she received an honourable mention in the Cúirt New Irish Writing Award. In 2021, her story 'The Lobster Waltz' came second in the Costa Short Story Award.

Reader: Eimear Keating
Writer: Laura-Blaise McDowell
Producer: Michael Shannon

A BBC Northern Ireland production.

FRI 16:00 Last Word (m0010xv4)

Matthew Bannister tells the life stories of people who have recently died, from the rich and famous to unsung but significant.

FRI 16:30 Feedback (m0010xv6)

Radio 4's forum for comments, queries, criticisms and congratulations

FRI 17:00 PM (m0010xv8)

Afternoon news and current affairs programme, reporting on breaking stories and summing up the day's headlines.

FRI 18:00 Six O'Clock News (m0010xvd)

The latest national and international news from BBC Radio 4.

FRI 18:30 The Now Show (m0010xvg)

Series 59

Episode 1

Steve Punt and Hugh Dennis present the week via topical stand-up and sketches from the BBC Radio Theatre in front of a remote audience.

Joining them from a safe distance is Felicity Ward and Aurie Styla with music supplied by Jess Robinson.

Voice Actors: Gemma Arrowsmith and Luke Kempner

Producer: Pete Strauss

Production Co-Ordinator: Sarah Sharpe

BBC Studios Production

FRI 19:00 Four Thought (b09ghmg1)

Socially Mobile?

Michael Merrick challenges how we think about social mobility.

Sharing his own story, Michael makes the case that social mobility often involves pressure on individuals to move away - both physically and metaphorically - from the family and community which nourished them. He argues that the graduate professions thus take on a particular character, making those professions uncomfortable places to be for people arriving in them from working class backgrounds. And he suggests that this division, which often makes itself felt in education, is unwise. "In a contest between home and academic flourishing," he says, "some choose home; not because of ignorance, but because of a refusal to shed heritage as participation fee."

Producer: Giles Edwards.

FRI 19:15 Add to Playlist (m0010xvk)

Music programme on Radio 4

FRI 20:00 Any Questions? (m0010xvm)

Lord Deben, Claire Fox, Richard Madeley, Melanie Onn

Chris Mason presents political debate from Chatteris Parish Church, Cambridgeshire with a panel which includes the Chair of the Committee on Climate Change and Conservative peer Lord Deben, the crossbench peer Baroness Fox of Buckley, the journalist and TV presenter Richard Madeley and the deputy chief executive of Renewables UK and former Labour MP for Grimsby Melanie Onn.

Producer: Camellia Sinclair

Lead broadcast engineer: Richard Earle

FRI 20:50 A Point of View (m0010xvp)

Weekly reflections on topical issues from a range of contributors.

FRI 21:00 39 Ways to Save the Planet (m0010xvr)

Four More Ideas to Save the World

You can't solve climate change with one idea, but what about 39? Tom Heap presents four more carbon-busting ideas from the satellite pollution detectors high above us to the green fertiliser working it's magic deep in the soil. He's joined by the climate scientist, Tamsin Edwards to crunch the numbers and by the film star and influential environmentalist, Arnold Schwarzenegger who chooses his favourite ideas from the series.

Producer: Alasdair Cross

Researcher: Sarah Goodman

Produced in association with the Royal Geographical Society

FRI 22:00 The World Tonight (m0010xvt)

In depth reporting, intelligent analysis and breaking news from a global perspective

FRI 22:45 The Frequency of Us by Keith Stuart (m0010xtl)

[Repeat of broadcast at 12:04 today]

FRI 23:00 A Good Read (m0010x2t)

[Repeat of broadcast at 16:30 on Tuesday]

FRI 23:30 Today in Parliament (m0010xvw)

News, views and features on today's stories in Parliament