

**SATURDAY 16 MAY 2015****SAT 00:00 Midnight News (b05tbngy)**

The latest national and international news from BBC Radio 4. Followed by Weather.

**SAT 00:30 Peter Moore - The Weather Experiment (b05tq3y6)**

Prognostications and Forecasts

The first forecasts prove controversial among the scientific community, and Robert FitzRoy's reputation is threatened.

Peter Moore's vivid account of the 19th century quest to understand the weather.

Concluded by Tim McMullan.

Abridged by Sara Davies

Producer: Elizabeth Allard

First broadcast on BBC Radio 4 in May 2015.

**SAT 00:48 Shipping Forecast (b05tbnh0)**

The latest shipping forecast.

**SAT 01:00 Selection of BBC World Service Programmes (b05tbnh2)**

BBC Radio 4 joins the BBC World Service. BBC Radio 4 resumes at 5.20am.

**SAT 05:20 Shipping Forecast (b05tbnh4)**

The latest shipping forecast.

**SAT 05:30 News Briefing (b05tbnh6)**

The latest news from BBC Radio 4.

**SAT 05:43 Prayer for the Day (b05tq43y)**

A spiritual comment and prayer to begin the day with Sister Gemma Simmonds of the Congregation of Jesus.

**SAT 05:45 iPM (b05tq440)**

'Who can make decisions about a pacemaker once it's in my body?' - After a listener got in touch with an ethical dilemma, we explore what the UK law says about switching off pacemakers and other implanted medical devices. Presented by Jennifer Tracey and Eddie Mair. Email iPM@bbc.co.uk.

**SAT 06:00 News and Papers (b05tbnhd)**

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

**SAT 06:04 Weather (b05tbnhg)**

The latest weather forecast.

**SAT 06:07 Open Country (b05tm4dl)**

The ancient sport of hound trailing in Cumbria

Helen Mark visits Cumbria to watch the exciting and ancient sport of hound trailing. At the May Day races, she meets owners Wendy and Russell Dawson who treat their dogs like royalty. Cared for like athletes, they eat chicken and rabbit, and are bathed before a race. They are trained from pups to follow a scent, but it's a gamble if any will have the instincts of a champion.

Helen walks the trail, which is scented with aniseed and paraffin, and meets owner Margaret Baxter who explains why this traditional male sport is now dominated by women. The actual races can be up to 10 miles long, which the dogs run in about 35 minutes, and from high up on Kirkstone Pass, the owners and followers watch - and place bets - as the dogs speed towards the finish line.

**SAT 06:30 Farming Today (b05v6cyb)**

Farming Today This Week: Upland Farming

The uplands are the source of 70% of our drinking water. They're also a workplace for farmers, foresters and gamekeepers, and a popular destination for tourists. In this programme, Sybil Ruscoe takes to the hills near Church Stretton in Shropshire, to find out what it's like to farm in the uplands. She also hears from an environmentalist who thinks sheep are too dominant on our hillsides, and would like to see the landscape revert to nature.

Presented by Sybil Ruscoe and produced by Emma Campbell.

**SAT 06:57 Weather (b05tbnhj)**

The latest weather forecast.

**SAT 07:00 Today (b05v6cyd)**

Morning news and current affairs. Including Sports Desk, Thought for the Day and Weather.

**SAT 09:00 Saturday Live (b05v6cyg)**

Chris Tarrant

Presented by Richard Coles and Aasmah Mir.

Chris Tarrant has been a household staple since the mid 70s when he shook up Saturday mornings with children's TV series Tiswas. He went on to do Capital Radio breakfast show and was the presenter of ground breaking quiz show Who wants to be a Millionaire, which ran for 15 years, presenting many other programmes along the way. His latest project has been a labour of love - a book about his father's experience in the second world war. But it's a story he only uncovered after his father's death. He'll be talking about writing his father's story, his links with those Millionaire winners and slowing down after a stroke.

Listener Glenys Newton won a story telling competition with a story from her childhood, in which her Uncle Meirion's car - with her family inside - was attacked by lions at a Safari Park. She's passionate about family stories, and people's lives. She relives what happened at the Safari park, and how it has inspired her love of storytelling.

Dino Martins is an entomologist whose mission is to highlight the key role of pollination in the world. Growing up in rural Kenya his passion was insects from a young age. This enthusiasm, combined with hard work and some luck meant he got an education which culminated with a PhD at Harvard University in America. Over in the UK to receive the 2015 Whitley Gold Award from Princess Anne, he talks about his extraordinary journey which begins and ends in Kenya.

Iain Lauchlan has spent 40 years in the TV industry, specialising in pre school television programmes. He presented Playschool, Fingermouse, 'invented' the Tweenies, has numerous producing and writing credits to his name, and for 25 years has played the pantomime Dame in Coventry, where he also writes the pantomime. He's loaned pieces to a new exhibition about Children's Television in Coventry and joins us to talk about his life in Children's TV.

Songwriter Guy Chambers is probably best known for his work with Robbie Williams, with whom he co-wrote hits such as "Rock DJ", "Feel", "Millennium", "Let Me Entertain You", and "Angels". Guy has previously won 3 Ivor Novello awards, and is a member of the committee judging the awards this year. For his inheritance tracks, he chooses The Beatles, Tomorrow Never Knows and Ravel's Concerto for piano and orchestra in G major, second movement.

Daniel Parker is a film make up artist, following in the footsteps of his father. His credits include Troy, Apocalypto and Frankenstein, for which he received an Oscar and British Film Award nominations. Among his recent projects are Cloud Atlas, Zero Dark 30, Everly, The Coup and Unlocked. He shares his experiences.

Dad's War by Chris Tarrant is published by Virgin books.

The Story of Children's Television is at the Herbert Art Gallery & Museum, Coventry from 22 May to 13 September 2015.

Producer: Corinna Jones

Editor: Karen Dalziel.

**SAT 10:30 The Kitchen Cabinet (b05v6cyj)**

Series 10

Hollywood, Northern Ireland

Jay Rayner hosts the culinary panel programme from Hollywood, Northern Ireland.

Answering questions on cooking and eating from our audience are food scientist Professor Peter Barham, DIY food expert Tim Hayward, Catalan inspired Scottish cook Rachel McCormack, and chef and broadcaster Paula McIntyre.

From Cultra Manor at the Ulster Folk and Transport Museum, we discuss seaweed, the tradition of salt fish, and the origins of the Maris Piper potato.

We also find out how to cook the perfect ribs, share memories of the kitchen dresser, and discuss recipes for a caravan holiday.

Food Consultant: Anna Colquhoun

Produced by Miranda Hinkley

Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

**SAT 11:00 The Week in Westminster (b05v6cyn)**

Steve Richards of The Independent takes soundings on why Labour lost the general election and the task facing its next leader. How important are 'one nation' policies to the Conservatives? And how does it feel to arrive at Westminster for the SNP?

Editor: Peter Mulligan.

**SAT 11:30 From Our Own Correspondent (b05tbnhl)**

Stranded at Sea

Around the world. Today - another migrants crisis: aid workers talk of the increasingly desperate plight of men, women and children who have fled Burma but are being denied permission to go ashore in Thailand, Malaysia or Indonesia. Five months after the British and American forces left Afghanistan, instability is growing and the nation's political elite stands accused of failing to give the armed forces the support they need. We learn how part of the war in Jordan against the fighters who call themselves Islamic State is being waged in cyberspace. There's the story of 'a hot Hungarian sex machine on top of a Russian cream cake' causing controversy in the centre of Budapest and one about how the cheap flights revolution has touched down on an archipelago in the mid-Atlantic. And it's causing apprehension!

**SAT 12:00 News Summary (b05tbnhn)**

The latest national and international news from BBC Radio 4.

**SAT 12:04 Money Box (b05v6cyx)**

Could you get £200 from the taxman?

Paul Lewis presents the latest news from the world of personal finance. This financial year sees the start of the new marriage allowance. More than four million couples are eligible for a tax allowance of up to £212, but you have to formally claim it. Money Box talks to top tax woman, Ruth Owen, Director General of Personal Tax at HMRC, about how to apply.

New evidence from Which?, suggests that cold-calling about pension products has mushroomed since pension liberation. Many of the cold-callers have obviously had access to the personal information of the people they are calling. Paul Lewis asks the head of enforcement at the Information Commissioner's Office what they are doing to prevent data abuse and what you can do about it.

A group of school pupils from Wiltshire have won a national student investor competition, bringing a new meaning to the phrase "investment in education". How do you turn £100,000 into £187,000 after only three months on the stock exchange?

And when pre-booking a car park place at the airport may not be the cheapest option.

**SAT 12:30 The News Quiz (b05tq1kh)**

Series 87

Episode 1

A satirical review of the week's news, chaired by Sandi Toksvig, with regular panellist Jeremy Hardy and guests Susan Calman, Samira Ahmed and Elis James. Zeb Soanes reads the news.

Produced by Lyndsay Fenner.

A BBC Radio Comedy Production.

**SAT 12:57 Weather (b05tbnhr)**

The latest weather forecast.

**SAT 13:00 News (b05tbnht)**

The latest news from BBC Radio 4.

**SAT 13:10 Any Questions? (b05tq1sl)**

Ben Bradshaw MP, Tim Montgomerie, Joan Smith, Sarah Wollaston MP

Jonathan Dimbleby presents political debate and discussion from Filleigh Village Hall in North Devon with Labour MP Ben Bradshaw, Times columnist Tim Montgomerie, Independent columnist Joan Smith, and Conservative MP Sarah Wollaston.

**SAT 14:00 Any Answers? (b05v6cyz)**

Press intrusion, Human Rights Act

After Chuka Umunna pulls out of the Labour leadership race you have your say on whether it is right that the media probe every area of a politician's life. Also what's the difference between the Human Rights Act and a British Bill of Rights?

Your say on some of the issues discussed on Any Questions?

Presenter: Anita Anand

Producers: Angie Nehring, Alex Lewis.

**SAT 14:30 Saturday Drama (b042cq8f)**  
On Her Majesty's Secret Service

James Bond seems more interested in gambling at the Casino Royale than tracking down elusive SPECTRE chief Blofeld. Then he meets Tracy, emotionally disturbed daughter of mafia boss Draco.

Now he has a double motive: seek and destroy Blofeld, and prevent Tracy killing herself.

Impersonating a College of Arms official Bond infiltrates Blofeld's Swiss mountain-top lair. He learns that Blofeld and aide Irma Bunt are brainwashing young women. Why? Is biological warfare involved? Backed by 'M' and Draco, Bond mounts an air assault. But can he pin down monstrous Blofeld? And what will happen to Tracy?

Toby Stephens is on top form as 007. A stellar cast includes Joanna Lumley, Alfred Molina, Alex Jennings, Lisa Dillon, John Standing, Janie Dee, Lloyd Owen, Joanna Cassidy, Clare Dunne and Julian Sands, with Jarvis himself as the voice of Fleming.

Specially composed music: Mark Holden and Michael Lopez  
Dramatised by Archie Scottney

Director: Martin Jarvis

Producer: Rosalind Ayres

A Jarvis & Ayres Production for BBC Radio 4.

**SAT 16:00 Woman's Hour (b05v6czt)**  
Weekend Woman's Hour

We launch the 2015 Woman's Hour Power List looking for the ten women who have the greatest influence on the way we live our lives. When children have behavioural problems is it down to bad parenting or an undiagnosed medical condition? We hear from a mother about why she sought the help of a TV programme to get a diagnosis.

Naz Shah is a mother of three born and raised in Bradford and now the Labour MP for Bradford West. She talks about her triumph following a bitter and controversial campaign - and her own story involving homelessness. Man Up is the new British Romantic Comedy - we hear from the screenwriter Tess Morris and star of the film Lake Bell.

In September 1944, three women arrived in Auschwitz concentration camp, incredibly they all survived and gave birth. The three children met 65 years later and their story is told in Wendy Holden's latest book, Born Survivors. Best selling children's author Liz Kessler talks about her novel about a teenager coming out. And the actress Emily Watson discusses her latest film role playing the mother of the Princesses Elizabeth and Margaret.

Presenter: Jane Garvey

Producer: Rabeka Nurmahomed

Editor: Jane Thurlow.

**SAT 17:00 PM (b05v6czw)**  
Saturday PM

Full coverage of the day's news.

**SAT 17:30 1PM (b05tq440)**  
[Repeat of broadcast at 05:45 today]

**SAT 17:54 Shipping Forecast (b05tbnhy)**  
The latest shipping forecast.

**SAT 17:57 Weather (b05tbnj0)**  
The latest weather forecast.

**SAT 18:00 Six O'Clock News (b05tbnj2)**  
The latest national and international news from BBC Radio 4.

**SAT 18:15 Loose Ends (b05v6czy)**  
Kenneth Cranham, Emma Kennedy, Mark Steel, Zoe Svendsen, Scottee, the Hot Sardines, Cornelia

Clive Anderson and guests - Kenneth Cranham, Emma Kennedy and Mark Steel- with an eclectic mix of conversation, music and comedy. Also round the Loose Ends table is Scottee talking to theatre director Zoë Svendsen. With music from The Hot Sardines and Cornelia.

Producer: Debbie Kilbride.

**SAT 19:00 Profile (b05v6d08)**  
Seymour Hersh

Mark Coles profiles the muckraker's muckraker, American journalist Seymour Hersh, who has challenged the official story of how Osama Bin Laden was killed.

The Pulitzer Prize-winning writer is one of the world's most famous investigative reporters. He exposed both the My Lai massacre, when US soldiers killed hundreds of civilians during the Vietnam war, and the abuse of Iraqi prisoners by US soldiers at the Abu Ghraib prison.

To some he is a hero - a tenacious investigator of uncomfortable truths. To others he is a fantasist - a gullible journalist who sees conspiracy and cover-up wherever he looks.

At 78 he shows no sign of slowing down. Now Mark Coles investigates the investigator.

Producers: Hannah Barnes and Joe Kent.

**SAT 19:15 Saturday Review (b05v6d0b)**  
Mad Max, Cornelia Parker, Pirates of Penzance, Jonathan Strange and Mr Norrell, TC Boyle

Artist Cornelia Parker's contribution to The British Library's Magna Carta octocentennial exhibition is an embroidery interpretation of the Wikipedia page for this cornerstone of the British constitution. What does it add to the commemorations?

There's a new Mad Max film, "Fury Road", with Tom Hardy replacing Mel Gibson in the title role - it's two hours of more-or-less non-stop action and taken decades to reach the screen; is it worth the wait?

Film director Mike Leigh is a big fan of the operas of Gilbert and Sullivan. He has been working with English National Opera on a staging of The Pirates of Penzance - how does his improvisational working style fit with the formatted world of opera?

Jonathan Strange and Mr Norrell was Susanna Clarke's 800 page novel of magic in 19th Century England. It's been turned into a 7-part TV series by the BBC.

American novelist TC Boyle's newest work is The Harder They Come, about gun control and mental illness in the USA.

**SAT 20:00 Archive on 4 (b05v6d35)**  
The Choke

The journalist, author and Olympian Matthew Syed blew it big time at the Sydney 2000. A GB medal prospect in table tennis he was thrashed by an opponent he had beaten many times before - he choked. He's been keen to understand ever since why sometimes the brain robs an individual of the ability to do routine tasks - in his case to hit a ping pong ball on the table.

You don't have to be a world class sportsman to choke think of that job interview you fluffed or that wildly attractive person at a party that left you unable to do what you do everyday- speak coherently.

In The Choke Matthew will explore the neurological and psychological trajectory of a choke illustrated with some dramatic examples where the pressure told at the worst possible time- musicians, politicians, businessmen, actors and sportsmen all feature in this examination of when we fail to do what comes naturally to us.

**SAT 21:00 Drama (b05tbw1m)**  
Franz Kafka - The Castle

Episode 1

In Franz Kafka's mind-warping novel, set in a bureaucratic wonderland, the hapless land-surveyor known only as K answers a summons to work at the mysterious Castle, only to find himself drawn into a labyrinth of terror and absurdity.

K. . . . . DOMINIC ROWAN  
Frieda. . . . . SAMMY T DOBSON  
Jeremias. . . . . MARK BENTON  
Artur . . . . . DANIEL WEYMAN  
Teacher . . . . . STEPHEN GREIF  
Gardena and Amalia. . RACHEL BAVIDGE

Olga . . . . . VICTORIA ELLIOTT  
Barnabas . . . . . NEIL GRAINGER  
Chief Superintendent JONATHAN CULLEN  
Hans . . . . . DOMINIC DEAKIN  
with the Jackie Palmer Children's Choir

Dramatist: Ed Harris

Producer: John Taylor

A Fiction Factory production for BBC Radio 4 first broadcast in May 2015.

**SAT 22:00 News and Weather (b05tbnj4)**

The latest national and international news from BBC Radio 4, followed by weather.

**SAT 22:15 Unreliable Evidence (b05tlvbw)**  
The Law and the Gender Pay Gap

Clive Anderson and a panel of senior legal experts discuss the apparent failure of the 1970 Equal Pay Act to bridge the gender pay gap.

Among those taking part is solicitor Michael Newman - currently acting on behalf of hundreds of female workers at the supermarket chain Asda, who claim they are being paid less than male colleagues for work of equal value. Since the case began last year, more than 19,000 people have approached the lawyers involved asking for their cases to be taken up.

Also taking part are lawyers who act for employers in equal pay disputes and a legal officer with the union Unison.

Equal pay is the single biggest issue facing employment tribunals, which have dealt with 700,000 claims in the past 15 years. Barrister and academic Sarah Fraser Butlin tells the programme that court actions have replaced union collective bargaining as a force for social change in this area, but believes that it is an extraordinarily inefficient way to bring fairness to the pay system.

Fighting court cases costs local authorities and business millions and the consequences of losing the litigation battle have enormous implications for the wage bill. Why is it necessary for same many individual court cases to be brought? Is there a better way of achieve payroll justice?

Producer: Brian King

An Above The Title production for BBC Radio 4.

**SAT 23:00 The 3rd Degree (b05tkvkd)**  
Series 5

University of Essex

A quiz show hosted by Steve Punt where a team of three University students take on a team of three of their professors.

Coming this week from the University of Essex, The 3rd Degree is a funny, lively and dynamic quiz show aimed at cultivating the next generation of Radio 4 listeners while delighting the current ones.

The Specialist Subjects in this episode are Politics, Literature and 20th Century History, and the questions range from the nihilistic anarchy of both Brothers Karamazov and Chuckle Brothers to My Little Pony and the Epic of Gilgamesh.

The show is recorded on location at a different University each week, and it pits three Undergraduates against three of their Professors in a genuinely original and fresh take on an academic quiz. Being a Radio 4 programme, it of course meets the most stringent standards of academic rigour - but with lots of facts and jokes thrown in for good measure.

The rounds vary between Specialist Subjects and General Knowledge, quick-fire bell-and-buzzer rounds and the 'Highbrow & Lowbrow' round cunningly devised to test not only the students' knowledge of current affairs, history, languages and science, but also their Professors' awareness of television, film, and One Direction.

The host, Steve Punt, although best known as a satirist on The Now Show also delights in all facets of knowledge, not just in the Humanities (his educational background) but in the sciences as well. He has made a number of documentaries for Radio 4, including The Poet Unwound - The History Of The Spleen, as well as a half-hour comedy for Radio 4's Big Bang Day set in the Large Hadron Collider, called The Genuine Particle.

Producer: David Tyler

A Pozzitive production for BBC Radio 4.

**SAT 23:30 Poetry Please (b05tbxk2)**  
Miscellany from Persia to Eaglehawk

Roger McGough travels from Rumi's 13th century Persia to Banjo Patterson's Eaglehawk, Australia via Thom Gunn's Pacific Ocean with Poetry Please. Poetry from Carol Ann Duffy, Thomas Hardy, Edna St Vincent Millay, Felix Dennis and Michael Hamburger also features. Producer Sally Heaven.

**SUNDAY 17 MAY 2015****SUN 00:00 Midnight News (b05v6g44)**

The latest national and international news from BBC Radio 4. Followed by Weather.

**SUN 00:30 Go West (b01rfy5y)**

Different Voices

Five stories made in Bristol

4. Different Voices  
by Paula Williams  
Read by John Telfer

Being invisible is no joke, particularly when it's your birthday and everyone's more interested in your clever older brother. The only person who seems to be interested is Grandpa John, the war hero who's now batty and goes shopping in his pyjamas, and what help is he going to be?

Producer Christine Hall.

**SUN 00:48 Shipping Forecast (b05v6g46)**

The latest shipping forecast.

**SUN 01:00 Selection of BBC World Service Programmes (b05v6g48)**

BBC Radio 4 joins the BBC World Service. BBC Radio 4 resumes at 5.20am.

**SUN 05:20 Shipping Forecast (b05v6g4b)**

The latest shipping forecast.

**SUN 05:30 News Briefing (b05v6g4d)**

The latest news from BBC Radio 4.

**SUN 05:43 Bells on Sunday (b05v6g4h)**

Church bells from Monks Kirby, Warwickshire.

**SUN 05:45 Profile (b05v6d08)**

[Repeat of broadcast at 19:00 on Saturday]

**SUN 06:00 News Headlines (b05v6g4g)**

The latest national and international news.

**SUN 06:05 Something Understood (b05v6g4t)**

Tigerish Waters

John McCarthy considers the way that we can accommodate ambiguity and complexity.

The title of the programme comes from Louis MacNeice's poem "Entirely" which explores the way in which it is never possible to be "entirely" sure, or to have fully grasped a meaning, or to fully be in a moment.

Take a walk in an urban woodland: you can seek and find a sense of solitude whilst always being aware of the busy-ness around you and be aware, simultaneously, of the beauty of birdsong and the trundle of road traffic beyond the gates.

We hear from poets and writers who have explored not getting things "entirely" and found a kind of pleasure and peace in that acceptance. There are readings from Louise MacNeice, Kathleen Jamie and Michael Longley, and an interview with Tom Bolton who writes about London's secret rivers and lost neighbourhoods. The music is by You Are Wolf (Kerry Andrew), Toru Takemitsu, Kraftwerk and Elton John.

The readers are Peter Marinker, Sirine Saba and Joe Armstrong.

Producer: Natalie Steed

A Whistledown production for BBC Radio 4.

**SUN 06:35 On Your Farm (b05v6gjd)**

Farm Hack UK

Sybil Ruscoe reports from the UK's first Farm Hack, held at

Ruskin Mill Farm in Gloucestershire.

"Farm Hack" is an initiative from North America, which aims to help farmers and growers from smaller-scale farms to acquire, modify and make appropriate tools for their work. The meetings (there have been nearly 20 in the USA already) network farmers with each other, and with people who have other skills, from computers to blacksmithing to designing. There is also a website which follows open source principles (meaning all information is freely and publicly available) where tools and information are shared, commented on, and improved.

Sybil meets Severine von Tscherner Fleming, who co-founded Farm Hack - who has come to Gloucestershire from the USA to be at this event. Severine is the director and founder of Greenhorns, a US organisation that supports a new generation of ecologically-minded farmers with everything from skills to practical information to social gatherings.

Sybil also talks to Ed Hamer, a farmer from Devon who organised the day along with The Landworkers' Alliance, tries her hand at welding - and catches up with a group of French farmers who have come along to get involved.

Presenter: Sybil Ruscoe

Producer: Rich Ward.

**SUN 06:57 Weather (b05v6g4j)**

The latest weather forecast.

**SUN 07:00 News and Papers (b05v6g4l)**

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

**SUN 07:10 Sunday (b05v6g4g)**

Good Religious Leaders, Extremism, Is America Losing Its Religion?

On Sunday Pope Francis will canonize two native-born Palestinian nuns at a ceremony at the Vatican. Fr. David Neuhaus, from the Latin Patriarchate of Jerusalem, talks to Edward Stourton from a prayer vigil at the shrine of Mother Alphonsine.

Astrophysicist and theologian David Wilkinson grapples with the question, how does God answer prayers?

The Government has set out a list of new proposals to tackle radicalisation. Kevin Bocquet reports gauges reaction on the latest suggestions.

The number of Americans who claim no religious affiliation has grown to nearly a quarter of the adult population according to a report by the Pew Research Center. One of its authors Jessica Martinez explains the trends and how they affect the religious landscape of the United States.

A thanksgiving Mass at Westminster Cathedral on Saturday will mark exactly 175 years since the first publication on the Catholic weekly magazine The Tablet. Trevor Barnes has been looking in the archives.

What do people want from a religious leader? How influential are they? Linda Woodhead, Professor of Sociology and Religion at Lancaster University, and Beverly Alimo-Metcalfe Emeritus Professor of Leadership studies at Leeds University discuss.

The descendants of a Jewish community exiled from Spain more than 500 years ago will be granted legal rights to apply for Spanish citizenship. Alasdair Fotheringham talks to Edward about their history and how many will come home?

## Contributors

Fr. David Neuhaus  
David Wilkinson  
Jessica Martinez  
Alasdair Fotheringham  
Linda Woodhead

## Producers

Zaffar Iqbal  
Carmel Lonergan

## Editor

Amanda Hancox.

**SUN 07:54 Radio 4 Appeal (b05v6gjj)**

David Shepherd Wildlife Foundation

Paul O'Grady presents The Radio 4 Appeal for David Shepherd Wildlife Foundation  
Registered Charity No 1106893

To Give:

- Freephone 0800 404 8144

- Freepost BBC Radio 4 Appeal, mark the back of the envelope 'David Shepherd Wildlife Foundation'.  
- Cheques should be made payable to D.S.W.F.

Photo: Paul O'Grady with Nkala (credit: Jill Worsley)

**SUN 07:57 Weather (b05v6g4n)**

The latest weather forecast.

**SUN 08:00 News and Papers (b05v6g4q)**

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

**SUN 08:10 Sunday Worship (b05v6gjl)**

from St Andrew's & St George's West Church, Edinburgh, led by the Revd Ian Gilmour on the opening weekend of the General Assembly of the Church of Scotland, with former Moderators the Very Revs Finlay Macdonald and Sheilaigh Kesting.

Introit: O sing unto the Lord a new song (Noel de Jongh)

Anthem: My life flows on (S Murray Mitchell)

Hymns: All people that on earth do dwell (Old 100th)

The Lord's my Shepherd (Brother James' Air)

Let us with a gladsome mind (Monkland)

All my hope on God is founded (Michael)

Choir directed by Brigitte Harris; Organist: Michael Harris.

Producer: Mo McCullough.

**SUN 08:48 A Point of View (b05tq1s3)**

Presidents as Monarchs

David Cannadine says when Barack Obama's critics accuse him of acting like a king they're forgetting the origins of the office of President.

"From the outset, the American presidency was vested with what might be termed monarchical authority, which meant that it really was a form of elective kingship."

Producer: Sheila Cook.

**SUN 08:58 Tweet of the Day (b01sbz0y)**

Storm Petrel

Tweet of the Day is a series of fascinating stories about our British birds inspired by their calls and songs. David Attenborough presents the European Storm Petrel. The storm petrels as a group are the smallest seabirds in the world and called "Jesus Christ birds" because they give the appearance they can walk on water as they flutter over the sea surface dangling their legs whilst looking for food.

**SUN 09:00 Broadcasting House (b05v6gks)**

Sunday morning magazine programme with news and conversation about the big stories of the week. Presented by Paddy O'Connell.

**SUN 09:57 Radio 4 Appeal (b05v6gjj)**

[Repeat of broadcast at 07:54 today]

**SUN 10:00 The Archers Omnibus (b05v6gkv)**

Robert and Jim prepare for battle, and things do not go Ed's way.

**SUN 11:16 Desert Island Discs (b05v6glq)**

Helen Browning

Kirsty Young's castaway is the farmer, and Chief Executive of the Soil Association, Helen Browning.

Born and brought up on the farm in Wiltshire she runs today, she told her father she wanted to be a 'proper farmer' aged just 9. By the time she was 24 her father had passed the reins on to her and not long after, she made it entirely organic.

Inspired by five of her great aunts who, after the First World War, began farming themselves, today she continues to run the family farm, her own meat business and the local pub. Awarded the OBE in 1998 for services to farming, she is chair of the Food Ethics Council, has served on the Curry Commission into the Future of Farming and Food and was appointed Chief Executive of the Soil Association in 2010.

Producer: Cathy Drysdale.

**SUN 12:00 News Summary (b05v6g4s)**

The latest national and international news from BBC Radio 4.

**SUN 12:04 Dilemma (b05tkvkn)**

Series 4

Episode 6

Sue Perkins poses more big moral and ethical questions to a mixed panel to see if she can wreck their moral rectitude.

With comedian Dave Gorman, actor and writer Jessica Hynes, poet and playwright Ian McMillan, and musician, writer and stand-up (and Dilemma deviser) Danielle Ward.

As well as defending something utterly indefensible. The panel also face moral problems related to fasting children and West End musicals.

Devised by Danielle Ward.

Producer: Ed Morrish.

First broadcast on BBC Radio 4 in May 2015.

**SUN 12:32 The Food Programme (b05v6gls)**

The Spice Explosion

This is more than a story about chicken tikka masala. The UK's palette is changing with a demand for far more spice and pizzazz in our menus and larders. The UK currently imports almost double what it did in the year 2000. Much of that demand has been attributed to the UK's changing and diverse population - not only in home cooking but introducing recipes and dishes to a wider market. Travellers exploring exotic countries have also returned with a taste for spice blends. However spice is more than a simple ingredient - it can also be part of a story about identity, health, family and life.

Cyrus Todiwala travels to Easton in Bristol for the Spice Festival to meet those for whom spice is part of their lives. For him spices have been used for health as well as to bring flavour to his dishes while cooking in India and opening restaurants in the UK. He meets the man whose family fled Uganda while under the rule of Idi Amin, losing everything but their love and knowledge of spices led his father to source and share ingredients, eventually serving food and is now an 'Aladdin's cave' of exotic spices and ingredients for individuals and restaurants across the South West. He meets the chai wallahs who now sell on street corners of Bristol as well as Bombay and hears about the backpacker whose craving for the Indian snacks he tasted led him to set up his own business with over 300 products and blends.

Get some fire in your belly and hear how spice plays a role in community, culture and culinary delights.

Presented by Cyrus Todiwala and Produced in Bristol by Anne-Marie Bullock.

**SUN 12:57 Weather (b05v6g4v)**

The latest weather forecast.

**SUN 13:00 The World This Weekend (b05v6gltv)**

Global news and analysis; presented by Mark Mardell.

**SUN 13:30 Shipping Songs (b05r401h)**

The Shipping Forecast has long provided essential, potentially life-saving, information for those at sea around the British Isles. But the forecast also has a history of sparking the imagination and creativity of those firmly on land - music, poetry and artworks of all kinds have been inspired by it.

Award-winning folk artist Lisa Knapp, who has herself written a song inspired by the daily forecast, takes a musical and poetic voyage through the watery regions of the Shipping Forecast and examines the appeal it holds for land-bound musicians, poets and writers.

From the poetry of Seamus Heaney and Carol Ann Duffy to the music of Radiohead, Blur and Jethro Tull, the forecast has ingrained itself into Britain's creative arts. Many have employed the Shipping Forecast's natural rhythm and multitude of connotations to conjure up feelings of familiarity and strangeness, of community and alienation, of safety and danger.

Lisa reflects on her own fondness for a forecast for which, in reality, she has no need, but which has ignited her imagination and taken her off to distant mythical lands. She hears from fellow musicians and writers who have been influenced by the Shipping Forecast and finds out how this regular informational broadcast captured their imaginations.

Poet Sean Street, songwriter Ian Anderson of Jethro Tull and composer Cecilia McDowall are among those to share their thoughts on the forecast's appeal.

Producer: Lorna Skingley

A Smooth Operations production for BBC Radio 4.

**SUN 14:00 Gardeners' Question Time (b05tpy84)**

Garden Show Ireland

Eric Robson hosts the programme from Garden Show Ireland at Antrim Castle Gardens. Matthew Biggs, Bob Flowerdew and James Wong answer audience questions.

Also this week, we go behind the scenes at Matthew Wilson's Chelsea Flower Show garden to uncover some of the secrets behind perfect planting.

Produced by Darby Dorras  
Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

**SUN 14:45 The Listening Project (b05v6gmz)**

Sunday Omnibus

Fi Glover hears about martial arts, men's apparent difficulty with monitoring their own health, and growing up with parents who serve overseas, from Wales, Birmingham and Devon, in the Omnibus edition of the series that proves it's surprising what you hear when you listen.

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 with someone close to them about a subject they've never discussed intimately before. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation - they're not BBC interviews, and that's an important difference - lasts up to an hour, and is then edited to extract the key moment 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 the second decade of the millennium. You can learn more about The Listening Project by visiting [bbc.co.uk/listeningproject](http://bbc.co.uk/listeningproject)

Producer: Marya Burgess.

**SUN 15:00 Drama (b05v6gn1)**

Franz Kafka - The Castle

Episode 2

While K continues to seek a meeting with the elusive official Klammm, his relationship with Frieda is under strain. He suspects her of maintaining a secret tryst with Klammm, and she of a dalliance with Barnabas' two sisters.

Conclusion of Franz Kafka's mind-warping novel, set in a bureaucratic wondrousland.

K . . . . . DOMINIC ROWAN  
Frieda . . . . . SAMMY T DOBSON  
Jeremias . . . . . MARK BENTON  
Artur . . . . . DANIEL WEYMAN  
Teacher . . . . . STEPHEN GREIF  
Amalia . . . . . RACHEL BAVIDGE  
Olga . . . . . VICTORIA ELLIOTT  
Barnabas . . . . . NEIL GRAINGER  
Papa and Burgel . . . . . JONATHAN CULLEN  
Momus and Fire Chief TREVOR FOX  
Hollister and Erlanger ROSS WAITON  
Hans . . . . . DOMINIC DEAKIN  
Children: ALEX TAYLOR-McDOWELL, ALICE MARTIN, MADDIE HILL, TEGAN WILLIAMS

Dramatist: Ed Harris

Producer: John Taylor

A Fiction Factory production for BBC Radio 4 first broadcast in May 2015.

**SUN 16:00 Open Book (b05v6gn3)**

Julian Barnes - Keeping an Eye Open

In his new book Keeping An Eye Open: Essays on Art, the hugely acclaimed novelist Julian Barnes brings together articles he's written on some of his favourite painters. They range from Gericault to Manet to Bonnard to Lucian Freud. He talks to Mariella about his approach to writing on art and trying to be a companion to the reader, about how his novels influence the essays and whether knowing any artists' life story can help us understand their work.

Mariella talks to Alex Johnson about the incredible and varied libraries from around the world captured in his book Improbable Libraries. Ramona Koval reports from Australia where authors have developed a surprising habit of giving away prize money and crime writer Attica Locke reveals the Book She'd Never Lend.

**SUN 16:30 Poetry Please (b05v6gn5)**

Poetry by Heart

Poetry Please at the finals of the Poetry by Heart competition. Students recite poetry from memory in a bid to be crowned winner in the 2015 contest. Roger Mc Gough presents, and poetry comes from Craig Raine, Rupert Brooke, Carol Ann Duffy and Thomas Hardy. Producer Sally Heaven.

**SUN 17:00 File on 4 (b05t13k0)**

Who Killed Emma?

Emma Caldwell was a young woman from a good home who developed an addiction to heroin after the death of her sister and then descended into street prostitution. When her body was found dumped in a ditch in Lanarkshire in May 2005, the police launched an unprecedented murder hunt. But ten years on, after an investigation costing millions of pounds, no one has ever been convicted of her killing. Eamon O Connor investigates what went wrong.

Producer: Ian Muir-Cochrane.

**SUN 17:40 Profile (b05v6d08)**

[Repeat of broadcast at 19:00 on Saturday]

**SUN 17:54 Shipping Forecast (b05v6g4y)**

The latest shipping forecast.

**SUN 17:57 Weather (b05v6g50)**

The latest weather forecast.

**SUN 18:00 Six O'Clock News (b05v6g52)**

The latest national and international news from BBC Radio 4.

**SUN 18:15 Pick of the Week (b05v6gn7)**

Sheila McClellon

On Pick of the Week this week the comedian John Moloney's cat is in for a bit of a shock during a visit to the vet. There's the science behind Choking - what makes people mess up when they are under pressure in public. It's to do with Brains Behaving Badly.

Mark Kermode choose his favourite film music, and a man tells 5Live how some DIY went horribly wrong. It could be amongst the most compelling radio you hear this week.

**SUN 19:00 The Archers (b05v6gn9)**

The Ambridge cricket team is playing Paxley today. Emma's happy to be joining Nic and the kids for a picnic, as Will plays cricket. Emma's also looking forward to shopping for a dress for Clarrie with kind Caroline.

Tom's really into his cricket. Ed approves of getting some new young blood into the team, but Joe worries about the number of older hands possibly being dropped. As she and David investigate the flood, Jennifer reports that she's had a call from a nervous Berraw Farm worker called Stefan. Stefan seems to have something important to tell them. They agree to meet him.

Will tells exasperated Nic that she can't change his mind about being Ed's best man. He is however looking forward to the Great Bird Race - although Robert seems rather obsessed. Emma's excited about her wedding - this time next week she and Ed will be married. Ed doubts that Will will make it along to his stag do. Ed feels Emma is trying too hard to get Will and Ed to be best mates at the wedding. Joe's sad they can't put their differences behind them.

**SUN 19:15 Boswell's Lives (b05vh1p4)**

Series 1

Boswell's Life of Johnson

by Jon Canter

Comedy as James Boswell, Dr Johnson's celebrated biographer, pursues other legends to immortalise. Today he attempts to write a biography of another famous Johnson - Boris - when he is Mayor of London, but finds him a fiendish opponent especially on the whiff-whaff table.

Directed by Sally Avens.

**SUN 19:45 Shorts (b05v6gpb)**

The Time Being

Symphony of Sighs by Karen Anstee

An orchestra cellist sets off to play at an outdoor concert with

something less than enthusiasm.

Karen Anstee's short story read by Hugh Dennis.

Karen Anstee originally trained as a violinist at the Royal Academy of Music and in Boston, USA. Her experiences in the music industry have been the inspiration for a series of short stories. Karen graduated from the London Film School in 2012.

Producer: Jeremy Osborne  
A Sweet Talk production for BBC Radio 4

**SUN 20:00 More or Less (b05tpz78)**  
Strokes, Teachers, Confused Computers

The news headlines this week suggested there has been an increase in the number of strokes among working age men and women. But is this true? We speak to Tony Rudd, National Clinical Director for Stroke NHS England. He says the headlines were not justified and there is actually evidence the incidence of strokes has gone down.

Are 40 percent of teachers leaving their jobs after their first year in post? Based on figures put out by a teaching union, newspapers reported the dire state of teacher retention. But we show how these figures include graduates who did not start jobs in teaching.

Big numbers do not just confuse most people - many computers struggle to process them too. Tim Harford talks to Chris Baraniuk who explains how a simple software bug afflicts computers controlling planes, spacecraft and has led to explosions, missing space probes and more.

In the aftermath of the general election, many people are calling for an overhaul of the electoral system to make it more representative of the number of votes that each party received. We take a look at how a different system may have affected the outcome. Plus - what questions might improve the quality of opinion polls asking for voter intentions?

**SUN 20:30 Last Word (b05tpz76)**  
BB King, Kenan Evren, Sir Maurice Flanagan, Maya Plisetskaya, Wally Kahn

Matthew Bannister on

B.B. King whose blues guitar took him from the cotton fields of Mississippi to international stardom.

Kenan Evran the Turkish general who took power in a military coup in 1980 and was later sentenced to life imprisonment.

Sir Maurice Flanagan who took Emirates Airlines from a two plane cargo operation to a multi billion dollar business.

The Soviet ballet star Maya Plisetskaya

And the glider pilot Wally Kahn who campaigned to make Lasham - an ex RAF base in Hampshire - into a world beating gliding club.

**SUN 21:00 Money Box (b05v6cyx)**  
[Repeat of broadcast at 12:04 on Saturday]

**SUN 21:26 Radio 4 Appeal (b05v6gjj)**  
[Repeat of broadcast at 07:54 today]

**SUN 21:30 In Business (b05v6gr4)**  
Brought to Book

Kevin Ashton is a businessman who has just written his first book, about innovation and creativity, with the intriguing title 'How to Fly a Horse'.

Charles Handy is an experienced and acclaimed management guru, who has just published a new book, called The Second Curve. Its focus is the big life changes business and individuals need to make to find fulfilment at work.

Peter Day hears the ideas behind their books

Producer: Sandra Kanthal.

Image courtesy of Elizabeth Handy

**SUN 22:00 Westminster Hour (b05v6gpz)**  
Weekly political discussion and analysis with MPs, experts and commentators.

**SUN 22:45 What the Papers Say (b05v6gg1)**  
Dennis Sewell of The Spectator analyses how the newspapers are covering the biggest stories.

**SUN 23:00 The Film Programme (b05tm4dn)**  
Olivier Assayas; Mad Max; Cannes

With Francine Stock.

As Mad Max hits the road again, Kim Newman trawls through his favourite post-apocalyptic clichés.

Director Olivier Assayas discusses his drama Clouds Of Sils Maria, which he wrote for his friend Juliette Binoche, and reveals why he also cast Twilight star Kristen Stewart.

Critic Tim Robey and film buyer Clare Binns look forward to this year's Cannes festival.

Larushka Ivan-Zadeh makes her pick of this month's DVDs.

**SUN 23:30 Something Understood (b05v6ght)**  
[Repeat of broadcast at 06:05 today]

#### MONDAY 18 MAY 2015

**MON 00:00 Midnight News (b05v6g64)**  
The latest national and international news from BBC Radio 4. Followed by Weather.

**MON 00:15 Thinking Allowed (b05t1vb8)**  
The Gym: A Social History; Tattoos at Work

The gym: Laurie Taylor explores the social history of the gymnasium with the writer and sociologist, Eric Chaline. Although this 'temple of perfection' appears primarily as a site for producing the 'body beautiful', this study finds it has also been a battleground in political, sexual and cultural wars. They're joined by Louise Mansfield, Sociologist of Sport at Brunel University

Also, tattoos at work: Andrew Timming, Reader in Management at the University of St Andrews, talks about prejudices towards body art in the service sector. Does possession of a tattoo impact on job prospects?

Producer: Jayne Egerton.

**MON 00:45 Bells on Sunday (b05v6g6hr)**  
[Repeat of broadcast at 05:43 on Sunday]

**MON 00:48 Shipping Forecast (b05v6g66)**  
The latest shipping forecast.

**MON 01:00 Selection of BBC World Service Programmes (b05v6g68)**  
BBC Radio 4 joins the BBC World Service.

**MON 05:20 Shipping Forecast (b05v6g6b)**  
The latest shipping forecast.

**MON 05:30 News Briefing (b05v6g6d)**  
The latest news from BBC Radio 4.

**MON 05:43 Prayer for the Day (b05vt8qk)**  
A spiritual comment and prayer to begin the day with Sister Gemma Simmonds of the Congregation of Jesus.

**MON 05:45 Farming Today (b05v7tb8)**  
EU Referendum, Innovation, Ash Dieback

Farmers at the Balmoral show in County Antrim give their views to BBC Northern Ireland's Conor Macauley as to whether or not farmers could survive if Britain left the EU. Julie Girling is the Conservative MEP for the South West and Gibraltar, and sits on the parliament's agriculture committee. She says the halls of power in Brussels are buzzing with talk of a British withdrawal and thinks that there are both pros and cons in leaving the EU, but ultimately thinks we are better protected if we stay in.

Ash Dieback is a disease which has been devastating woodlands across the UK for over three years. BBC Look North's Environment Correspondent Paul Murphy visits one of the nurseries involved in a scheme to source seeds and grow replacement trees as an alternative to Ash.

All this week the programme is looking at innovation, and how farmers can harness and use new ideas and techniques in their business. Katrin Prager from the James Hutton Institute in Scotland is a social scientist who has spent three years investigating collaborations between UK farmers. She tells

Sybil Ruscoe that the crucial part of innovation is farmers acting on new information.

Presenter Sybil Ruscoe. Producer Ruth Sanderson.

**MON 05:56 Weather (b05v6g6g)**  
The latest weather forecast for farmers.

**MON 05:58 Tweet of the Day (b038qk6p)**  
Great Shearwater

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 Shearwater; a wanderer of the open ocean. They breed on remote islands in the South Atlantic and then disperse widely and many follow fish and squid shoals northwards, appearing around UK coasts in late summer and early autumn. The south-west of Britain and Ireland is the best area to look for them.

**MON 06:00 Today (b05v7tbp)**  
Morning news and current affairs. Including Sports Desk, Weather and Thought for the Day.

**MON 09:00 Start the Week (b05v7tbr)**  
Joseph Stiglitz and Steve Hilton on Inequality

On Start the Week Andrew Marr finds out if it's possible to create a world less impersonal and more equal. David Cameron's former senior adviser, Steve Hilton, believes our governments and institutions are too big, and he argues for a more human-focused society. The US economist Joseph Stiglitz tackles rising inequality in the West and blames the unjust and misguided priorities of neoliberalism. The Russian writer Masha Gessen looks at the struggle between assimilation and alienation as she asks why two brothers turned terrorist, bombing the Boston Marathon.

Producer: Katy Hickman.

**MON 09:45 Steve Boggan - Gold Fever (b05v7ibt)**  
Episode 1

Author Steve Boggan arrives at a town called Happy Camp and, having purchased everything he'll need for camping and prospecting, heads for the hills in search of gold.

Read by Paul Ritter and Sara Markland.

Gold - for centuries people have been entranced by the riches it promises, thousands have gone wild in their search for it, and since the Financial Crisis the price of gold has reached peaks never seen in history.

All over the world, particularly in the US, people with no experience of prospecting began shopping for shovels, pickaxes, gold pans, tents, generators, and all manner of equipment they had no idea how to use. And off they went mining.

Steve Boggan decided to follow in their footsteps. In 2013 he packed his bags and flew to San Francisco to join the 21st century's gold rush (the 'New 49ers') in a quest to understand the allure of the metal - and maybe find a bit for himself too.

He meets a selection of colourful characters - those who left desk jobs and family life behind to work by the river in scorching heat and fresh mountain air, in the hope of striking it rich. Most of them only make enough money to scrape a living, but Steve is surprised how happy they seem to be. From them, he gets a crash course in small-scale prospecting.

He also takes us back in time to the original gold rush, two centuries ago, tracing the path of the first intrepid 49ers (in particular, a woman called Sarah Royce and her family) who abandoned their roots and trekked thousands of miles across perilous terrain, risking death for the chance of riches.

Abridged by Libby Spurrier  
Producer: Joanna Green

A Pier production for BBC Radio 4 first broadcast in May 2015.

**MON 10:00 Woman's Hour (b05v7tbw)**  
Clementine Churchill, Honeytrap, Women in One

A new film Honeytrap tells the story of Layla, a 15 year old girl who lures the boy who is in love with her to his death. The writer and director gives a girls perspective on gang culture in a story inspired by a true events.

'Women in One' is a new collection of one minute (or thereabouts) interviews with strangers that reporter Abigail Horlick bumps in to cities across the UK. This week the women of Leeds open up about their love life, childhood, regrets and dreams.

The original First Lady of Politics - Clementine Churchill. Sonia Purnell on the unusual dynamics of her partnership with Winston, who by his own admission, said the the Second World War would have been 'impossible without her'.

Plus are clogs the shoes of the season?

Presented by Jane Garvey.  
Producer Beverley Purcell.

#### MON 10:45 15 Minute Drama (b05v7tby)

A Small Town Murder

Episode 1

The seventh series of our crime drama starring Meera Syal as family liaison officer Jackie Hartwell.

Jackie Hartwell is tasked to break the news to Connie Hudson - a Birmingham based singing star from the 1960's - that her troubled daughter Abi has been found murdered.

Written by Scott Cherry  
Produced and Directed by Clive Brill  
A Brill production for BBC Radio 4.

#### MON 11:00 Olympic Run (b05v7tcg)

Rumours swept the Olympic village when the seven Cameroon athletes vanished during the Olympics. Despite finding none of their personal possessions, officials from Cameroon suggested that they might have gone sightseeing. In this documentary Peter White tracks what really happened, having been alongside the group as they struggle to make new lives in this country.

His recordings start early in the disappearance, with the entire boxing team seeking support in South London as they planned their next move. They had criticised team managers, alleging that promised payments for equipment and competition expenses had not been made and they worried about the repercussions of their protest if they returned home as planned.

Now they are building lives in Sheffield and Sunderland and Peter follows their progress. Serge Ambomo was in a homeless hostel when Peter first meets him - the 26 year old had just had his first application for leave to remain in Britain turned down and his benefits suspended. He was living on handouts from an evangelical church and relying on the goodwill of a local boxing club run by Glyn Rhodes, who lets him train and tries to sort out his many problems.

Now Serge has been given a five year reprieve by the immigration services and a flat by Rotherham Council Not that he needs it: he spends most of his time with his girlfriend, Sharon, who is already a grandmother but who hopes to settle down with Serge. He is currently banned from boxing after his antics during a fight in which Jerome Wilson, was seriously injured - he kissed Wilson's head as his rival lay unconscious. He now plans to get his boxing career back on track by joining forces with an Olympic team mate training in the North East.

Peter speaks to the athletes and those who have been alongside them since 2012. He wonders about the price they have paid to stay here and how they have coped away from their families in Cameroon. The French speaking country is one of the poorest in the world, with the national economic output just over seven hundred pounds per person according to the International Monetary Fund. Peter finds the boxers resting their hopes for economic success on their performance in the ring and looks at how they have fared since the Games.

Serge tells him that life has been far more difficult here than he ever anticipated: "All I want is to fight, that is all I know how to do and yet there have been so many obstacles. I lost so much by staying here and it is hard to know what is going to happen to me now."

#### MON 11:30 On the Rocks (b05v7tcj)

Series 2

Adventure

Ben tries to prove to Morwenna-May that he's a man of action.

1930s comedy set on the Isles of Scilly by Christopher William Hill.

Frank Gunwallow ..... Joseph Kloska  
Tommy Trehear ..... Stuart Fox  
Ben Trehear ..... Alex Palmer  
Morwenna-May ..... Alex Tregear

Pender ..... Christopher William Hill

Even on the remote island of St Martin's war seems inevitable, but the islanders have their own battles to contend with, stuck on a rock flung 27 miles out into the Atlantic with only their natural grit and gallows humour to see them through.

Director ..... Mary Peate

First broadcast on BBC Radio 4 in 2015.

#### MON 12:00 News Summary (b05v6g6k)

The latest national and international news from BBC Radio 4.

#### MON 12:04 Welcome to the Quiet Zone (b05v7td5)

Into the Valley

Imagine a place without mobile phones. Quiet isn't it? People still look at each other when they are talking. It's not a dream. It really exists.

Take Highway 250 in West Virginia into the Allegheny Mountains and the car radio fades to static. Glance illegally at your mobile phone and the signal disappears. You're in The National Radio Quiet Zone - 13,000 square miles of radio silence, just a few hundred miles from Washington DC. No Wi-Fi; no cell phones; no radio signals.

Designated a radio wave free area in the 1950s, the area is home to two giant listening stations. One listens to deep space, as far back as milliseconds after the Big Bang - the Green Bank National Observatory; the other is Naval Communications, the NSA listening ear.

Taller than the Statue of Liberty, the Green Bank Telescope is the world's largest moving land object. It has the sensitivity, says Mike Holstine, "equivalent to a billionth of a billionth of a millionth of a watt... the energy given off by a single snow flake hitting the ground. Anything man-made would overwhelm that signal." Hence the legal requirement, for a radio frequency free zone.

Photographer Emile Holba, long fascinated with the edges of society, takes a trip into the Quiet Zone where the ability to listen in to moments after the creation of the universe, means the local population have sacrificed their connection to the outside world.

It's not a world without conflict as pressure grows to move into the technological future on the one hand, whilst on the other, a growing band of electro-sensitive immigrants are moving into cabins in the woods. Meanwhile the government are considering the viability of a continued large investment in searching space.

Producer: Sara Jane Hall.

#### MON 12:15 You and Yours (b05v7tgy)

Green Deal Grants

We look at the death of a woman with learning disabilities, who lost a 5th of her body weight in less than 3 weeks. The family of 26 year old Nicki Rawlinson have received the findings of a report by the Health Service Ombudsman who investigated a complaint about the care she received at Barnet Hospital in London. Our disability reporter, Carolyn Atkinson speaks to Nicki's family.

The numbers of women beer drinkers has doubled in the UK in recent years. This week the multinational brewing company, SABMiller, said it was time to move away from advertising campaigns that are dismissive or insulting to women - they say that not only women might be offended by overtly misogynistic marketing - the brewing companies risk alienating a significant number of male customers too.

Citizens Advice has told You and Yours that it's had more than two thousand complaints in the last 12 months about companies offering work as part of the Green Deal. The Green Deal was the last administration's big policy initiative to improve homes and cut energy bills.

The way it works is that accredited companies assess a property and identify works that would pay for themselves over time through energy savings. Loans are available to cover the cost of the works, paid by through electricity bills. It isn't simple and take up was disappointing. The scheme has been amended, and now offers to pay the majority of the costs of certain energy saving measures, payable after the work has been done. We speak to one of our listeners about his experience.

More and more people sleeping rough are climbing into industrial bins. Bin crews are now expected to check bins before they empty them to make sure no one is inside. Last month a body was found at a recycling plant in Birmingham and waste firms say there are hundreds of near misses every year as bin men discover rough sleepers just as they're about to tip bin contents into the crusher lorries. One of the biggest companies,

Biffa, is so worried it's trialling cameras on lorries to encourage crews to be vigilant. Melanie Abbott reports.

We hear from the listener who took Expedia to court in 2010 for a refund they didn't pay in 2004.

Producer: Maire Devine  
Editor: Chas Watkin.

#### MON 12:57 Weather (b05v6g6m)

The latest weather forecast.

#### MON 13:00 World at One (b05v7th0)

Rigorous analysis of news and current affairs, presented by Shaun Ley.

#### MON 13:45 Incarnations: India in 50 Lives (b05v7th2)

Charaka: On Not Violating Good Judgement

Professor Sunil Khilnani visits a modern-day clinic which follows the practices set out by Charaka, a medical pioneer whose handbook is still widely used in India today. His text, known as the Charaka Samhita or 'Compendium of Charaka', is an encyclopaedic work covering different aspects of health and how to live a good life. Ayurveda is the best known of the Indian subcontinent's three indigenous medical traditions and continues to be an important adjunct to India's national health system. Today, it is part of government policy and a ministry funds Ayurvedic training and care. Charaka believed that health depended on the balance of basic humours - wind, bile, phlegm - and that "if these elements are disturbed from their proper bodily locations, illness follows. Such disturbance often occurs through our own thoughtlessness, what Charaka calls 'violations of good judgement'."

Produced by Mark Savage

With incidental music by the composer Talvin Singh. Listeners can catch up with the series and see the list of remarkable Indians featured on the Radio 4 website.

#### MON 14:00 The Archers (b05v6gn9)

[Repeat of broadcast at 19:00 on Sunday]

#### MON 14:15 Tommies (b05v7tjm)

18 May 1915

by Michael Chaplin. Series created by Jonathan Ruffle.

Meticulously based on unit war diaries and eye-witness accounts, each episode of TOMMIES traces one real day at war, exactly 100 years ago.

We are now in 1915 and continuing to follow the fortunes of Mickey Bliss and his fellow signallers, from the Lahore Division of the British Indian Army. They are the cogs in an immense machine, one which connects situations across the whole theatre of the war, over four long years.

Indira Varma, Pippa Nixon and Parth Thakerar star in this story, set on the Eastern Front where the Russian army has been routed at Gorlice. The Russians are retreating, but the renegade Prince Balashov is determined to wrench some kind of victory from defeat. British surgeon Celestine de Tullio has found enough new purpose in War, to play a part in this plan.

Producers: David Hunter, Jonquil Panting, Jonathan Ruffle  
Director: Nandita Ghose.

#### MON 15:00 The 3rd Degree (b05v7tjp)

Series 5

De Montfort University

A quiz show hosted by Steve Punt where a team of three University students take on a team of three of their professors.

Coming this week from De Montfort University, The 3rd Degree is a funny, lively and dynamic quiz show aimed at cultivating the next generation of Radio 4 listeners while delighting the current ones.

The Specialist Subjects in this episode are Film, Forensic Science and Contour Fashion. So there are questions on X-rated films, the analysis of blood spatter patterns and the history of lingerie. And also Gogglebox.

The show is recorded on location at a different University each week, and it pits three Undergraduates against three of their Professors in a genuinely original and fresh take on an academic quiz. Being a Radio 4 programme, it of course meets the most stringent standards of academic rigour - but with lots of facts and jokes thrown in for good measure.

The rounds vary between Specialist Subjects and General Knowledge, quick-fire bell-and-buzzer rounds and the 'Highbrow & Lowbrow' round cunningly devised to test not only the students' knowledge of current affairs, history, languages and science, but also their Professors' awareness of television, film, and One Direction.

The host, Steve Punt, although best known as a satirist on The Now Show also delights in all facets of knowledge, not just in the Humanities (his educational background) but in the sciences as well. He has made a number of documentaries for Radio 4, including The Poet Unwound - The History Of The Spleen, as well as a half-hour comedy for Radio 4's Big Bang Day set in the Large Hadron Collider, called The Genuine Particle.

Producer: David Tyler  
A Pozzitive production for BBC Radio 4.

**MON 15:30 The Food Programme (b05v6gls)**  
[Repeat of broadcast at 12:32 on Sunday]

**MON 16:00 The Invisible College (b05v7tjr)**  
Series 1

Episode 3

Dr Cathy FitzGerald presents a series of lessons in creative writing with help from a ghostly array of great novelists, poets and playwrights.

Episode Three features mini-lectures on routine, concentration and time off. Ian Fleming goes on holiday, W.B. Yeats invites everyone to the pub, and Gertrude Stein draws inspiration from cows.

Original music by Joe Acheson.

Producer: Cathy FitzGerald  
A White Stiletto production for BBC Radio 4.

**MON 16:30 The Digital Human (b05v7tjt)**  
Series 7

Silt

Aleks Krotoski explores if we have all become digital hoarders. When our digital junk drawers are bigger than we can comprehend, do we lose the sense of what is worth keeping?

**MON 17:00 PM (b05v7t10)**  
News interviews, context and analysis.

**MON 18:00 Six O'Clock News (b05v6g6r)**  
The latest national and international news from BBC Radio 4.

**MON 18:30 Just a Minute (b05v7t12)**  
Series 72

Episode 1

Nicholas Parsons returns to host a new series of the popular panel game, recorded at the Shaw Theatre in London. He is joined by panellists Paul Merton, Tim Rice, Liza Tarback and Graham Norton who will attempt to talk without deviation, hesitation or repetition on such diverse topics as English Sparkling Wine and Crows Feet.

Hayley Sterling blows the whistle.

Produced by Victoria Lloyd  
A BBC Comedy Production.

**MON 19:00 The Archers (b05v7t16)**  
Pip spots Rex at the temporary village shop at Bridge Farm and shares an idea about some farm land for he and Toby to rent. It's out towards Penny Hassett. Pip invites Rex to the Young Farmers' event and fishes to know about his and Toby's girlfriends. Rex points out that Toby may have more than one. Joe tries to persuade Will to be Ed's best man, but Will says he just can't. Joe's upset and talks about it with Emma. Jim and Robert's birding rivalry heats up during the great bird race, for which Lynda's keeping score. Robert's suspicious and keen to know what Jim's secret weapon is. This turns out to be a woman called Molly, who gives Jim a heads up on a possible red kite spotting. Vying for the same bird as Jim, and speculating on what exotic bird they might see, Robert leads Will to a sewage works where they also spot Jim. After much build up, the men are disappointed to watch a mere pheasant fly away.

**MON 19:15 Front Row (b05v7tm3)**

Bradley Cooper, The Art of Forgery, Cannes report, Folio Prize news

Bradley Cooper, the Oscar-nominated actor who starred in American Sniper, American Hustle and Silver Linings Playbook, takes to the stage in London this week as The Elephant Man. Bradley Cooper discusses his approach in portraying the Victorian Joseph Merrick and the physical challenges he faced, but without prosthetics or make-up.

Art forgers, from the Dutch painter Han Van Meegeren to British artists John Myatt and Shaun Greenhalgh, have fascinated the public with their skill and audacity in hood-winking the art establishment. Noah Charney discusses his new book The Art of Forgery, which explores some of history's most scandalous forgeries and asks what drives talented artists to deceive.

A busy weekend at the Cannes Film Festival has seen people focusing on the new Amy Winehouse documentary, Matthew McConaughey's controversial new film, and Pixar's latest animation which was unveiled today. Jason Solomons reports.

Andrew Kidd, co-founder of The Folio Prize for literature, describes a new challenge the prize faces.

Presenter John Wilson  
Producer Jerome Weatherald.

**MON 19:45 15 Minute Drama (b05v7tby)**  
[Repeat of broadcast at 10:45 today]

**MON 20:00 Can Pay Won't Pay (b05v7tm6)**

'Defeating the French was critical' - taxes were often levied to fight wars against the French but this didn't mean that people always paid them.

All through history people have wanted to get one over on the tax man. Whether it was the peasants of the 14th century who hid their fellow villagers to avoid the Poll Tax, homeowners in the 18th century who promised their votes to those tax collectors who would turn a blind eye to the window tax or the rich money men of the 1970s who would pay clever accountants to construct shell companies to avoid income tax. It has created a headache for governments throughout the ages. Paul Lewis looks at what can history tell us about what is a fair rate of tax, what will bring in the most revenue and asks when did paying your taxes become a moral issue.

**MON 20:30 Crossing Continents (b05tly3m)**  
Peru's Wildlife for Sale

The global trade in wildlife is worth an estimated US\$20 billion a year. Peru is one of the most biodiverse nations on the planet. But its government estimates 400 species of fauna and flora are in danger of extinction - illicit trafficking is one of the biggest threats. The illegal wildlife trade supplies live birds and animals - macaws, parrots, monkeys, turtles - for both the local market and overseas collectors. It also commercialises body parts - the rare Andean bear, and the feathers of condors. So how is Peru attempting to protect its precious resources? For Crossing Continents, Linda Pressly goes on operations with the wildlife police.

Produced by John Murphy.

**MON 21:00 What the Songbird Said (b05tz9jr)**

Could birdsong tell us something about the evolution of human language? Language is arguably the single thing that most defines what it is to be human and unique as a species. But its origins - and its apparent sudden emergence around a hundred thousand years ago - remains mysterious and perplexing to researchers. But could something called vocal learning provide a vital clue as to how language might have evolved? The ability to learn and imitate sounds - vocal learning - is something that humans share with only a few other species, most notably, songbirds. Charles Darwin noticed this similarity as far back as 1871 in the Descent of Man and in the last couple of decades, research has uncovered a whole host of similarities in the way humans and songbirds perceive and process speech and song. But just how useful are animal models of vocal communication in understanding how human language might have evolved? Why is it that there seem to be parallels with songbirds but little evidence that our closest primate relatives, chimps and bonobos, share at least some of our linguistic abilities?

In this programme, Angela Saini meets biologists and linguists investigating what research on songbirds and other species might have to say about the question of how language, with all its beauty and richness, may have evolved.

Producer: Rami Tzabar.

**MON 21:30 Start the Week (b05v7t1r)**

[Repeat of broadcast at 09:00 today]

**MON 21:58 Weather (b05v6g6v)**  
The latest weather forecast.

**MON 22:00 The World Tonight (b05v7tm8)**

EU agrees plans for naval force to combat people-smugglers operating from Libya.

Libyan ambassador to the United Nations tells us he isn't convinced by the plans.

**MON 22:45 Book at Bedtime (b05v7tmb)**  
Sarah Hall - The Wolf Border

Episode 1

Sarah Hall's novel is a compelling story about personal and political borders - about power, land, family and love.

At its heart is Rachel Caine, tough, untouchable, an expert on wolves, and long estranged from her home county of Cumbria and her fiery mother and lost brother. Like the wolves she protects and champions, she is wary of humanity, happy in the untamed wilderness.

Set against the dramatic and artfully drawn backdrops of the Lakeland fells and the towering ranges of Idaho, The Wolf Border explores issues of ownership and vested power, of re-wilding and of family as Rachel reaches a turning point in her life and learns that choice and change are possible.

In this opening episode: The offer of a job from an eccentric Earl, whose plan is to reintroduce the Grey Wolf to England coincides with the chance to see her dying mother but is that enough to lure Rachel home?

Reader: Hattie Morahan

Abridged in ten parts by Sally Marmion.

Producer: Di Speirs

First broadcast on BBC Radio 4 in May 2015.

**MON 23:00 Word of Mouth (b05t13jm)**  
Young Women as Linguistic Innovators

How has Kim Kardashian influenced the way you speak? More than you'd imagine! Michael Rosen and Laura Wright discuss the role of young women in language innovation across cultures, with the help of Dr Enam Al-Wer of Essex University.

Producer...Mary Ward-Lowery.

**MON 23:30 Blind Man Roams the Globe (b03bps1p)**  
1. San Francisco

Peter White's job as a BBC broadcaster has already taken him to many places. At first he thought that he was missing out on not being able to see the standard tourist monuments, but when he travels now he has an arsenal of strategies to get to know a place. He listens to local radio, he takes in the sounds of restaurants, travel systems and the voices of the locals. He also meets other blind people and uses their experiences of an area to understand it better and to appreciate the aural clues which help guide them.

Peter realised sightseeing was not for him when, as a twelve year, he trailed round the ruins of Berkeley Castle in Gloucestershire: "The fact is, sightseeing and I were never going to see eye to eye. The plain fact is, though, that however good the intentions, touch is not sight - and once you've run your hands over one piece of ancient stone, one stuccoed wall, one marble floor, well, you've touched them all."

It was a wish to try to explain and share what it was that could make travelling come alive for a totally blind person, unable to see from birth, that gave rise to the series. In these programmes Peter hopes to build on its growing reputation and its unique take on the world's cities He begins by visiting San Francisco, where he uses aural clues to sample typical West Coast life - including trips to an Oakland baseball game, the Golden Gate park and the beach.

As Peter says: 'the fact is, sightseeing and I were never going to see eye to eye. The tragedy is that over the years, people have tried so hard to make it work. Specially recorded tapes for blind people, rails to follow so that you can go round unaided, a huge revolution in what you're allowed to touch.

"The plain fact is, though, that however good the intentions, touch is not sight - and once you've run your hands over one piece of ancient stone, one stuccoed wall, one marble floor,

well, you've touched them all.

The problem with touch really is that the hand is too small. You can only touch one little bit at a time.

There's too much missing; a sense of size, colour, perspective, visual contrast. With the best will in the world, you are playing at being able to see, and for me, that kind of self-deception has never cut any ice.

This, nevertheless, does not mean that travelling, visiting and poking about in other people's cultures cannot be enormous fun for a blind person. It's just that I think you have to be honest about what is fun, and what isn't.

First broadcast on BBC Radio 4 in September 2013.

## TUESDAY 19 MAY 2015

### TUE 00:00 Midnight News (b05v6g7v)

The latest national and international news from BBC Radio 4. Followed by Weather.

### TUE 00:30 Steve Boggan - Gold Fever (b05v7tb)

[Repeat of broadcast at 09:45 on Monday]

### TUE 00:48 Shipping Forecast (b05v6g7x)

The latest shipping forecast.

### TUE 01:00 Selection of BBC World Service Programmes (b05v6g7z)

BBC Radio 4 joins the BBC World Service.

### TUE 05:20 Shipping Forecast (b05v6g81)

The latest shipping forecast.

### TUE 05:30 News Briefing (b05v6g83)

The latest news from BBC Radio 4.

### TUE 05:43 Prayer for the Day (b05vt8rv)

A spiritual comment and prayer to begin the day with Sister Gemma Simmonds of the Congregation of Jesus.

### TUE 05:45 Farming Today (b05v7tmp)

Qualifications, Technology Potatoes, China and Ireland

The Department of Education is overhauling the way that Btec qualifications are taught. Agricultural and land based courses are due to be reviewed in 2017, but until then they won't count towards a school's league tables, which discourages them from being taught. Vicky Davis is the vice principle of Brymore Academy in Somerset, which offers lots of agri and land based courses, as well as having a 45 hectare school farm. She told Sybil Ruscoe, that it puts school like Brymore at risk.

All this week Farming Today is taking a look at Innovation in Farming. Anna Hill visits a Norfolk potato farmers who is working with the John Innes centre to try and find a way to stop potatoes sprouting when they are being stored. They found that the answer is much less high tech than imagined.

Ireland have increased their trading relationship with China, which is good news for Irish Farmers. Darragh McCullough from the Irish Independent newspaper explains why Ireland has cracked the Chinese market while other countries, like the UK, are still trying to make inroads.

Presented by Anna Hill. Produced by Ruth Sanderson.

### TUE 05:58 Tweet of the Day (b038qk6z)

Hobby

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

Brett Westwood presents the Hobby. Sickle winged, red-trousered and black-moustached, the hobby is a strikingly beautiful falcon. Hobbies arrive in the UK in late April or May from their wintering grounds in Africa. They are now flourishing in the UK where there are now around 2000 pairs, breeding mainly on farmland and heaths in England and Wales.

### TUE 06:00 Today (b05v7tnb)

Morning news and current affairs. Including Sports Desk, Weather and Thought for the Day.

### TUE 09:00 Soul Music (b03kqf04)

Series 17

### Can't Take My Eyes Off You

Few songs can claim to be - quite literally - as far reaching as the 1967 classic 'Can't Take My Eyes off You'. In this edition of Radio 4's 'Soul Music', we hear from former astronaut Christopher Ferguson who heard this song on an early morning wake-up call aboard the space shuttle Endeavour. And from mum of two Michelle Noakes who sang this classic piece to the baby she was told she may never be able to carry. We also hear from the honeymoon couple whose marriage proposal began with a hundred strong 'flash mob' performance of this track and from Frankie Valli himself, who reflects on one of the most moving performances he ever gave when he sang 'Can't Take My Eyes off You' to a crowd of recently returned Vietnam Veterans. DJ Mark Radcliff recalls the many artists since Valli that have covered this song (not least his mum as she sang along to the Andy Williams version) and composer Bob Gaudio tells us how this now universally famous piece of music began life in a room over looking Central Park with a melody originally penned for a children's nursery rhyme.

Producer: Nicola Humphries.

### TUE 09:30 Witness (b05vh4hr)

The Murder of Archbishop Oscar Romero

The outspoken Archbishop of El Salvador was killed by gunmen whilst preaching in church in March 1980. Hear from a Salvadoran journalist who was in the church at the time; and from the former US Ambassador to El Salvador, who knew him. Archbishop Romero will be beatified by the Catholic Church later this week - a step on the road to sainthood.

### TUE 09:45 Steve Boggan - Gold Fever (b05vhw2)

Episode 2

Steve Boggan meets a legendary character called Dave Mack who agrees to let him tag along to see some 'extreme' prospecting.

Read by Paul Ritter and Sara Markland.

Gold - for centuries people have been entranced by the riches it promises, thousands have gone wild in their search for it, and since the Financial Crisis the price of gold has reached peaks never seen in history.

All over the world, particularly in the US, people with no experience of prospecting began shopping for shovels, pickaxes, gold pans, tents, generators, and all manner of equipment they had no idea how to use. And off they went mining.

Steve Boggan decided to follow in their footsteps. In 2013 he packed his bags and flew to San Francisco to join the 21st century's gold rush (the 'New 49ers') in a quest to understand the allure of the metal - and maybe find a bit for himself too.

He meets a selection of colourful characters - those who left desk jobs and family life behind to work by the river in scorching heat and fresh mountain air, in the hope of striking it rich. Most of them only make enough money to scrape a living, but Steve is surprised how happy they seem to be. From them, he gets a crash course in small-scale prospecting.

He also takes us back in time to the original gold rush, two centuries ago, tracing the path of the first intrepid 49ers (in particular, a woman called Sarah Royce and her family) who abandoned their roots and trekked thousands of miles across perilous terrain, risking death for the chance of riches.

Abridged by Libby Spurrier  
Producer: Joanna Green

A Pier production for BBC Radio 4 first broadcast in May 2015.

### TUE 10:00 Woman's Hour (b05v7tnf)

Yvette Cooper, Harassment in Clubs, Women in One

Yvette Cooper on why she thinks she's the right person to lead the Labour Party. Sexual harassment in nightclubs. Emma Sky on her memoir, The Unravelling. Beverley Bryant on an exciting career in tech and her work updating the NHS. Women in One: a series of short interviews with women in Leeds.

Presented by Jane Garvey  
Produced by Jane Thurlow.

### TUE 10:45 15 Minute Drama (b05v7tnp)

A Small Town Murder

Episode 2

The seventh series of our crime drama starring Meera Syal as family liaison officer Jackie Hartwell.

Jackie Hartwell is tasked to break the news to Connie Hudson - a Birmingham based singing star from the 1960's - that her troubled daughter Abi has been found murdered.

Written by Scott Cherry  
Produced and Directed by Clive Brill  
A Brill production for BBC Radio 4.

### TUE 11:00 The Origins of War (b05v7tnr)

Is our desire to wage war something uniquely human or can its origins be traced much further back in our evolutionary past?

To suggest that warfare is a regular feature of human civilization would be to state the obvious. But just how deeply rooted is our desire to kill others of our species? Is lethal aggression a fixed part of our genetic code, something that has evolved from a common ancestor - and something therefore that has adaptive value? Or is warfare - and more generally, a predilection for lethal violence something that has emerged much more recently in human history? No longer the preserve of historians and philosophers, the question, as Geoff Watts discovers, is now argued over fiercely by anthropologists and biologists.

Producer: Rami Tzabar.

(Photo: Chimpanzee. Credit: Getty Images)

### TUE 11:30 Hip Hop in the Middle East: Rhymes, Revolution and Resistance (b05v7tn)

In 2011 many people in the Middle East took to the streets to demand change. Revolution was in the air and, like many revolutions, there was a soundtrack.

Hip Hop, since its inception has been seen by many as the musical voice of modern revolutions. In the Middle East, Arab Hip Hop became a voice of protest as young Arabic people took to the mic and used this vocal art form as a way of expressing their discontent with incumbent governments.

Four years since the start of the revolution, which became known in the West as the Arab Spring, music journalist Jackson Allers talks to MC Amin from Egypt, Malikah from Lebanon and Al Sayyed Darwish from Syria. They are all rappers who dared to speak up in a region where freedom of expression can come at a heavy price.

Jackson also discusses the political tensions which have divided a once united hip hop movement

Producer Liam Bird  
A Folder Media production for BBC Radio 4.

### TUE 12:00 News Summary (b05v6g86)

The latest national and international news from BBC Radio 4.

### TUE 12:04 Welcome to the Quiet Zone (b05v7tp2)

Keeper of the Quiet

'The Keeper of the Quiet' - Chuck Niday takes Emile Holba out in his radio wave detector van, as he continues his exploration of 13,000 square miles designated 'the National Quiet Zone' - protecting the Robert C Byrd Telescope in Green Bank, West Virginia. Listening to deep space, using a giant telescope - the largest moveable technological object on land - 2.3 acres in size.

Imagine a place without mobile phones. Quiet isn't it. People still look at each other when they are talking. It's not a dream. It really exists.

Designated a radio wave free area in the 1950s, the area is home to two giant listening stations. One listens to deep space, as far back as milliseconds after the Big Bang - the Green Bank National Observatory; the other is Naval Communications, the NSA listening ear.

Hence the requirement, by law, for a radio frequency free zone since 1954.

Photographer Emile Holba, long fascinated with the edges of society, takes a trip into the Quiet Zone where the ability to listen in to moments after the creation of the universe, means the local population have sacrificed their connection to the outside world.

Producer: Sara Jane Hall.

### TUE 12:15 You and Yours (b05v7tp4)

Call You and Yours: Is the BBC licence fee worth it to you?

It's an annual fee of one hundred and forty five pounds fifty.

That pays for everything from EastEnders to Radio 3 to The Great British Bake Off not to mention You & Yours. New research suggests many thousands are refusing to pay the fee as they're watching on catch up which is currently exempt.

So, should the licence fee be replaced by a subscription system? Or would cutting the licence fee damage the BBC? What do you think - has the licence fee been worth it to you? Was there a moment you realised that you just couldn't do without it? Or do you think it's time to make the BBC compete for its funding?

You can email us now - YouandYours@bbc.co.uk and join Winifred Robinson at 1215.

**TUE 12:57 Weather (b05v6g88)**  
The latest weather forecast.

**TUE 13:00 World at One (b05v7tp6)**  
Rigorous analysis of news and current affairs, presented by Martha Kearney.

**TUE 13:45 Incarnations: India in 50 Lives (b05v7tqh)**  
Aryabhata: The Boat of Intellect

Professor Sunil Khilnani, from the King's India Institute in London, explores the life and legacy of Aryabhata, the legendary Indian mathematician and astronomer. Unknown in the West until a few decades ago, he is said by some to rank with Euclid and the great Greek mathematicians and astronomers such as Ptolemy. But unlike Euclid, Aryabhata left no proofs, explaining how to recreate his findings. "His ideas, translated into Arabic, influenced Islamic astronomers and mathematicians. But he wasn't working in the idiom of his Western counterparts, so his ideas didn't feed into the global stream of scientific discovery, and eventually Indians forgot Aryabhata too. It was only when science and technology began to flourish in modern India that his reputation got a relaunch," says Professor Khilnani.

Producer: Mark Savage  
Researcher: Manu Pillai  
Listeners can catch up with the series and see the list of remarkable Indians featured on the Radio 4 website.

**TUE 14:00 The Archers (b05v7t16)**  
[Repeat of broadcast at 19:00 on Monday]

**TUE 14:15 Drama (b0110glw)**  
The Odd Job

William Ash and Andrew Knott's dark comedy about an aspiring documentary maker who meets a retired couple with a startling secret.

Sheila and Barry are desperately trying to raise funds for a sick child; this selfless pursuit has reinvigorated their empty lives with purpose. Sensing a career-defining story, Clive becomes involved in their money making scheme and is soon entrenched in their increasingly perilous world.

Directed by Nadia Molinari.

**TUE 15:00 The Kitchen Cabinet (b05v6cyj)**  
[Repeat of broadcast at 10:30 on Saturday]

**TUE 15:30 Costing the Earth (b05v7tqq)**  
Electric Island

The little Scottish island of Eigg is teaching the world how remote communities can power themselves with clean, green energy. Tom Heap meets the locals who've built the pioneering system and the international visitors who are eager to learn their secrets.

Producer: Alasdair Cross.

**TUE 16:00 Word of Mouth (b05v7tr3)**  
Food Connections Festival

Michael Rosen and guests perform songs, poems and stories about food. With Writer Tania Hershman, singer Simon Panrucker and Cook Barny Haughton. All in front of a family audience at the Food Connections Festival in Bristol.

Have you ever wondered what the words raspberry, syllabub or toffee have in common? Did you know that pickle is a Dutch word but tomato, chocolate and chilli come from the Aztecs?

Join broadcaster and children's writer Michael Rosen on an adventure into language and food as he discovers how our

favourite (and least favourite) dishes got their names in Radio 4's Word of Mouth programme. He'll be joined onstage by writers and singers to entertain us with poems, songs and stories and he'll be working with local schools to find out what makes the children of Bristol go 'yum' and 'yuk'.

**TUE 16:30 Great Lives (b05v7tr5)**  
Series 36

US Ambassador Matthew Barzun on JG Winant

Matthew Parris meets the American Ambassador Matthew Barzun whose choice of great life is his wartime predecessor, John Gil Winant - the man widely held to have helped seal the special relationship between Britain and America and to have brought the US into the war effort.

Producer: Maggie Ayre

First broadcast on BBC Radio 4 in 2015.

**TUE 17:00 PM (b05vcxk9)**  
Carolyn Quinn with interviews, context and analysis.

**TUE 18:00 Six O'Clock News (b05v6g8b)**  
The latest national and international news from BBC Radio 4.

**TUE 18:30 Mark Steel's in Town (b05vcxkc)**  
Series 6

Fleetwood

"Welcome to Fleetwood - Where Breastfeeding Is Always Welcome"

Mark Steel returns with a sixth series of the award winning show that travels around the country, researching the history, heritage and culture of six towns that have nothing in common but their uniqueness, and performs a bespoke evening of comedy for the local residents.

In the first programme, Mark visits the Lancashire Seaside Town of Fleetwood, the first planned town of the Victorian era. Home of Fisherman's Friend lozenges, the first female professional boxer Jane Couch, and trams. Originally built as a port to be the main stop off point between London and Scotland before railway engineers spoil all that by building a line through the lake district. Mark discovers a proud town full of optimistic people, that is, until you mention Blackpool.

Written and performed by ... Mark Steel  
Additional material by ... Pete Sinclair  
Production co-ordinator ... Hayley Stirling  
Producer ... Carl Cooper

A BBC Radio Comedy Production for BBC Radio 4 first broadcast in 2015.

**TUE 19:00 The Archers (b05vcxq0)**  
David and Jennifer interview Stefan, a worker at Berrow Farm who wants to stay anonymous. Stefan says he saw who he thinks was Rob blocking up one of the big concrete drains. Rob must have wanted to stop the water getting through to the drainage ditch, avoiding flooding the cattle shed. David decides to talk to Charlie.

The Fairbrothers like the look of Pear Tree Farm as a location for their business. Pip feels it's a pity she may not be around long enough to get to know them.

Jolene shares with Pip the events from yesterday - Jim abandoned his driver Kenton when his car ran out of petrol. Pip has got a second interview for the job she's keen on. She asks Jolene and Kenton to run the bar at the next Young Farmers' social. Jolene appreciates the genuine offer, but later falls out a bit with Ruth when they discuss David and Kenton.

**TUE 19:15 Front Row (b05vcyvg)**  
We Are Many, American author Cynthia Bond, Joan of Arc music

With Kirsty Lang.

On 15 February 2003, 15 million people marched through the streets of 800 cities around the world against the impending war on Iraq. We Are Many is the story of the biggest protest in history. Kirsty speaks to director Amir Amirani about making the documentary film over 9 years.

Sun Trap is a new crime comedy series on BBC One from the director of The Inbetweeners the Movie. Starring Bradley Walsh and Kayvan Novak as an undercover reporter and his former mentor who solve mysteries on a fictional Spanish island. Boyd Hilton reviews.

Cynthia Bond is the latest author to be championed by Oprah Winfrey, for her debut novel Ruby. Drawing comparisons to Toni Morrison, the novel explores the sexual and racial brutality of 1950s East Texas.

The 1928 silent film classic La Passion de Jeanne d'Arc was originally made without an accompanying musical score. Donald Greig of the Orlando Consort has now written one with pure voices singing music of the time of Joan of Arc herself. He and the celebrated silent film pianist Neil Brand, who has accompanied the film many times, talk to Kirsty about creating a score that works.

Presenter : Kirsty Lang  
Producer : Dymphna Flynn.

**TUE 19:45 15 Minute Drama (b05v7tnp)**  
[Repeat of broadcast at 10:45 today]

**TUE 20:00 File on 4 (b05vcyvk)**  
Minding the Gap: Mental Healthcare

Mental health services are facing a period of unprecedented change. The Department of Health has committed itself to reducing the disparity between spending on physical and mental illness, and a new payment system means services will be funded differently in the future. In the meantime there are concerns that vulnerable patients are dying because of pressures to release them from hospital too quickly, and a failure to provide adequate support in the community.

Can a new focus on what has traditionally been dubbed a 'Cinderella service' reverse the impact of years of cuts?

Reporter: Adrian Goldberg  
Producer: Gail Champion.

**TUE 20:40 In Touch (b05vcyvm)**  
Secret ballots, Making friends

Peter White hears how casting a secret ballot in the election was made impossible for some blind voters. We listen in on a secret recording from inside a polling station.

And, loneliness amongst people with disabilities is rife, according to a recent report by Sense. Deafblind people in particular can find it very difficult to make and maintain friendships - we hear why and about what might help.

Producer: Paul Waters.

**TUE 21:00 All in the Mind (b05vcyvp)**  
Claudia Hammond with the latest in psychology, neuroscience and mental health. What happens in the brain when someone goes on a drinking binge? Twins Drs Chris and Xand Van Tulleken took up the challenge to drink 21 units a week for a month for Horizon on BBC 2.

Chris drank 3 drinks a day and Xand 21 units in one day. For the experiment their livers and immune systems were monitored, but All in the Mind wondered how alcohol impacted on the neurotransmitters in the brain. Addiction expert Sally Marlow explains.

Children who fidget in the classroom are often in trouble for not sitting still but new research by Mark Rapport at the University of Central Florida suggests that children with ADHD need to wriggle to help them learn.

"held" is the title of an exhibition opening soon at the Bethlem Museum of the Mind and artist Jane Fragdley explores some of the issues around restraint through photographs of strong dresses which patients were sometimes forced to wear.

It has been known for a long time that music in different keys is associated with different emotions but much of the research focuses on Western music. Now Dr Bhishma Chakrabati from Reading University has been studying the effects of classical Indian ragas on mood.

**TUE 21:30 Soul Music (b03kqf04)**  
[Repeat of broadcast at 09:00 today]

**TUE 21:58 Weather (b05v6g8f)**  
The latest weather forecast.

**TUE 22:00 The World Tonight (b05vcyvr)**  
Iraq's says it's confident government forces will overturn IS capture of Ramadi.

Thousands of civilians fleeing the city - as militants try to consolidate their hold

**TUE 22:45 Book at Bedtime (b05vy88z)**

Sarah Hall - The Wolf Border

## Episode 2

Back in Idaho, Rachel faces a new and life-changing dilemma, which a message from home might help to resolve.

Sarah Hall's novel is a compelling story about personal and political borders, about power, land, family and love. At its heart is Rachel Caine, tough, untouchable, an expert on wolves, and long estranged from her home county of Cumbria and her fiery mother and lost brother. Like the wolves she protects and champions, she is wary of humanity and happiest in the untamed wilderness.

Set against the dramatic and artfully drawn backdrops of the Lakeland fells and the towering ranges of Idaho, *The Wolf Border* explores issues of ownership and vested power, of re-wilding and of family as Rachel discovers that choice and change are possible.

Reader: Hattie Morahan

Abridged by Sally Marmion.

Producer: Di Speirs

First broadcast on BBC Radio 4 in May 2015.

**TUE 23:00 The John Moloney Show (b05vcyvv)**

Series 1

Chomsky, Marks and Brustwartz

A joke about a German baby, a tale about his old life as a teacher and a run in with a hen night.

John Moloney has been headlining comedy clubs all over the world. We've captured him at his very best performing in front of an appreciative audience at The Stand Comedy Club in Edinburgh.

Written and performed by John Moloney

Producer: Alan Lorraine

A Dabster production for BBC Radio 4 first broadcast in May 2015.

**TUE 23:15 Richard Marsh (b01rlnj6)**

Love and Sweets

The Perfect Match

Winner of Best Scripted Comedy in the BBC Audio Awards 2014, poet and playwright Richard Marsh fuses poetry and prose to tell a witty and honest story about moving in with his girlfriend Siobhan, planning the perfect proposal, and the build-up to his wedding day. What could be easier?

Richard's exhilarating relationship with Siobhan is going from strength to strength, and they are swept up in the heady rush of friends meeting friends and moving in together. Sharing a flat is a whirlwind of excitement, but also throws up problems for the couple - especially when Siobhan's mum comes to stay and doesn't pull her punches when it comes to what she thinks of Richard.

But Richard's got bigger things to worry about. He's secretly planning the perfect proposal, and even though when it comes to the big moment things don't go exactly as planned, soon Richard and Siobhan find themselves preparing for the wedding of their dreams. But if planning the perfect proposal was fraught with complications, it's nothing compared to planning the perfect wedding. Richard's just not sure why the joining of two hearts needs to involve Microsoft Excel...

Contains some explicit language.

Written and performed by Richard Marsh

Producer: Ben Worsfield

A Lucky Giant production for BBC Radio 4.

**TUE 23:30 Blind Man Roams the Globe (b03c240x)**

2. Budapest

Peter's job as a broadcaster has already taken him to many places. At first he thought that he was missing out on not being able to see the standard tourist monuments, but when he travels now he has an arsenal of strategies to get to know a place. He listens to local radio, he takes in the sounds of restaurants, travel systems and the voices of the locals. He also meets other blind people and uses their experiences of an area to understand it

better and to appreciate the aural clues which help guide them.

Peter realised sightseeing was not for him when, as a twelve year, he trailed round the ruins of Berkeley Castle in Gloucestershire: "The fact is, sightseeing and I were never going to see eye to eye. The plain fact is, though, that however good the intentions, touch is not sight - and once you've run your hands over one piece of ancient stone, one stuccoed wall, one marble floor, well, you've touched them all."

It was a wish to try to explain and share what it was that could make travelling come alive for a totally blind person, unable to see from birth, that gave rise to the series. In these programmes Peter hopes to build on its growing reputation and its unique take on the world's cities.

As Peter says: 'the fact is, sightseeing and I were never going to see eye to eye. The tragedy is that over the years, people have tried so hard to make it work. Specially recorded tapes for blind people, rails to follow so that you can go round unaided, a huge revolution in what you're allowed to touch.

'The plain fact is, though, that however good the intentions, touch is not sight - and once you've run your hands over one piece of ancient stone, one stuccoed wall, one marble floor, well, you've touched them all.

The problem with touch really is that the hand is too small. You can only touch one little bit at a time.

There's too much missing; a sense of size, colour, perspective, visual contrast. With the best will in the world, you are playing at being able to see, and for me, that kind of self-deception has never cut any ice.

This, nevertheless, does not mean that travelling, visiting and poking about in other people's cultures cannot be enormous fun for a blind person. It's just that I think you have to be honest about what is fun, and what isn't.'

First broadcast on BBC Radio 4 in September 2013.

**WEDNESDAY 20 MAY 2015****WED 00:00 Midnight News (b05v6g98)**

The latest national and international news from BBC Radio 4. Followed by Weather.

**WED 00:30 Steve Boggan - Gold Fever (b05vhwp2)**

[Repeat of broadcast at 09:45 on Tuesday]

**WED 00:48 Shipping Forecast (b05v6g9b)**

The latest shipping forecast.

**WED 01:00 Selection of BBC World Service Programmes (b05v6g9d)**

BBC Radio 4 joins the BBC World Service.

**WED 05:20 Shipping Forecast (b05v6g9g)**

The latest shipping forecast.

**WED 05:30 News Briefing (b05v6g9j)**

The latest news from BBC Radio 4.

**WED 05:43 Prayer for the Day (b05vt8sk)**

A spiritual comment and prayer to begin the day with Sister Gemma Simmonds of the Congregation of Jesus.

**WED 05:45 Farming Today (b05vcqzs)**

Hen Harrier Row, Farming Inventions, British Lamb's Lettuce

Gamekeepers and conservationists are at war over the endangered Hen Harrier. The RSPB suspect foul play as three male birds have disappeared. Former cricket England captain Sir Ian Botham is now supporting a campaign backed by the grouse shooting industry, is critical of the RSPB for not saving the abandoned eggs.

The invention that's helped change fencing techniques forever.

One British farm is producing lamb's lettuce all year round.

Presented by Anna Hill and produced by Beatrice Fenton.

**WED 05:58 Tweet of the Day (b038qk7c)**

Turnstone

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

Brett Westwood presents the turnstone. A turnstone is a stout little wading bird which you'll often see probing under seaweed on rocky shores or flipping pebbles over with the stout bills...hence their name...Turnstone. In summer they are intricately patterned and strikingly coloured like a tortoiseshell cat but at other times of year they look brownish and can be hard to see against the seaweed covered rocks among which they love to feed.

**WED 06:00 Today (b05vcr49)**

Morning news and current affairs. Including Sports Desk, Weather and Thought for the Day.

**WED 09:00 Midweek (b05vcsdc)**

Chi-chi Nwanoku; Ingrid von Oelhafen and Tim Tate; Tristan Gooley and Colin Rosie

Libby Purves meets Ingrid von Oelhafen who was taken from her family in Yugoslavia as a baby and brought up as an Aryan child in the Nazi Party's notorious Lebensborn programme; photographer turned top hat seller Colin Rosie; musician Chi-chi Nwanoku and Tristan Gooley, writer and expedition leader.

Colin Rosie is a photographer turned top hat seller. In 2013 he found himself homeless after the collapse of his business. He spent months sleeping rough until financial help from a charity enabled him to start a new business selling top hats. He buys and restores vintage and modern hats from top hats to fedoras and trilbies which he sells on the Last Stop for the Curious stall at London's Spitalfields Market.

At nine-months-old Ingrid von Oelhafen was removed from her parents in Yugoslavia by the Nazis and adopted into a German family as part of the Lebensborn programme. Founded by Heinrich Himmler, the Lebensborn programme was established to increase Germany's Aryan population and create a master race. In her book, *Hitler's Forgotten Children*, Ingrid tells how she finally discovered the truth about her background. *Hitler's Forgotten Children* by Ingrid von Oelhafen and Tim Tate is published by Elliott And Thompson.

Chi-chi Nwanoku MBE is principal double bass and a founder member of the Orchestra of the Age of Enlightenment (OAE) which celebrates its 30th anniversary this year. She presents a two-part documentary for Radio 4 - *In Search of the Black Mozart* - in which she tracks down some of the great black composers and performers of the 18th century. The Orchestra of the Age of Enlightenment's 30th birthday season begins at the Southbank Centre this autumn.

Tristan Gooley is a writer and expedition leader. His speciality is natural navigation - the art of finding your way using nature including the sun, moon, stars, weather, land, sea, plants and animals. His book, *The Walker's Guide to Outdoor Clues and Signs*, is published by Sceptre.

Producer: Paula McGinley.

**WED 09:45 Steve Boggan - Gold Fever (b05vhxpq)**

Episode 3

Steve meets a character called Duane who freely admits to having 'gold fever'. And on a prospecting trip with Tom, the author finds himself in very deep water.

Read by Paul Ritter and Sara Markland.

Gold - for centuries people have been entranced by the riches it promises, thousands have gone wild in their search for it, and since the Financial Crisis the price of gold has reached peaks never seen in history.

All over the world, particularly in the US, people with no experience of prospecting began shopping for shovels, pickaxes, gold pans, tents, generators, and all manner of equipment they had no idea how to use. And off they went mining.

Steve Boggan decided to follow in their footsteps. In 2013 he packed his bags and flew to San Francisco to join the 21st century's gold rush (the 'New 49ers') in a quest to understand the allure of the metal - and maybe find a bit for himself too.

He meets a selection of colourful characters - those who left desk jobs and family life behind to work by the river in scorching heat and fresh mountain air, in the hope of striking it rich. Most of them only make enough money to scrape a living, but Steve is surprised how happy they seem to be. From them, he gets a crash course in small-scale prospecting.

He also takes us back in time to the original gold rush, two centuries ago, tracing the path of the first intrepid 49ers (in particular, a woman called Sarah Royce and her family) who abandoned their roots and trekked thousands of miles across perilous terrain, risking death for the chance of riches.

Abridged by Libby Spurrier  
 Producer: Joanna Green

A Pier production for BBC Radio 4 first broadcast in May 2015.

**WED 10:00 Woman's Hour (b05vcsdg)**

Kate Fleetwood, Hot Feminism, Stereotypes, Asian Women of Achievement

Kate Fleetwood stars in the new musical production of High Society at the Old Vic in London - how does she follow in the footsteps of Grace Kelly and Katharine Hepburn as the socialite Tracy Lord? Grazia columnist and Times feature writer, Polly Vernon, describes herself as a Hot Feminist. She tells Jenni why she's given up on what she calls the rules on 'good' feminism and now follows the principles of 'hot feminism' - for those who care about how they look, as well as the gender pay gap; Simone Bresi-Ando is the founder of I'mPossible, a social enterprise to empower young women of colour - she'll be discussing the stereotypes which can prevent young, black women from fulfilling their potential with fitness blogger, Tashi Skervin; and Annie Zaidi says she may look like your average British Asian Muslim woman in a headscarf - but she's also a football coach. She's been nominated in the Sport Category of this year's Asian Women of Achievement Awards and discusses the challenges and triumphs of her life in football.

**WED 10:41 15 Minute Drama (b05vcsdj)**

A Small Town Murder

Episode 3

The seventh series of our crime drama starring Meera Syal as family liaison officer Jackie Hartwell.

Jackie Hartwell is tasked to break the news to Connie Hudson - a Birmingham based singing star from the 1960's - that her troubled daughter Abi has been found murdered.

Written by Scott Cherry  
 Produced and Directed by Clive Brill  
 A Brill production for BBC Radio 4.

**WED 10:56 The Listening Project (b05vcsdl)**

Dayle and Lorraine - Teach Our Children

Fi Glover with a conversation between parents of children on the autism spectrum who feel that their children deserve more specialist help. Another in the series that proves it's surprising what you hear when you listen.

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 with someone close to them about a subject they've never discussed intimately before. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation - they're not BBC interviews, and that's an important difference - lasts up to an hour, and is then edited to extract the key moment 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 the second decade of the millennium. You can learn more about The Listening Project by visiting [bbc.co.uk/listeningproject](http://bbc.co.uk/listeningproject)

Producer: Marya Burgess.

**WED 11:00 A Short History of Ukrainians in Britain (b05vcsdn)**

Few people in Britain knew much about Ukraine until its recent revolution and war with Russian-backed rebels filled the news headlines. But, for decades, towns and cities across the UK have been home to Ukrainian communities created by refugees from a previous attempt to break free of Moscow's control.

Award-winning author and journalist Oliver Bullough travels from Lockerbie and Edinburgh to Manchester and London to hear the stories of Britain's Ukrainians. He hears of the prisoners of war arriving after the Second World War - Ukrainians who fought with the German army against the Soviet Union, and then won asylum in the UK - and how they mingled with compatriots already here.

Determined to preserve their culture in exile, they established churches and community centres, passing on their language, music and folklore to their British-born children. They dreamed of one day returning to a free homeland but, post-1991, when they could finally do so, it was a disappointment - corrupt, blighted and poor. More Ukrainians came from Ukraine to Britain, than left Britain for Ukraine.

This is a story told in several voices - a musician who teaches

the bandura (a traditional Ukrainian stringed instrument) to children in Manchester, the caretaker of a Ukrainian prisoner of war chapel in Lockerbie, a Scottish-Ukrainian SNP politician, a choreographer and a London GP. Set between these voices are the sounds of music-making, dancing, church services and protests on the streets of London.

We hear how the revolution and war in Ukraine have galvanised Britain's Ukrainians to raise money and awareness for the future of their homeland.

Producer: Cicely Fell  
 An Above the Title production for BBC Radio 4.

**WED 11:30 Ed Reardon's Week (b05vcsdq)**

Series 10

One Man, Two Charlies

Ed Reardon leads us through the ups and down of his week, complete with his trusty companion, Elgar, and the curmudgeonly attitude to life that he's mastered over years of failure.

Ed finally finds himself homeless. However, all is not lost as an unexpected bonus of the recent financial apocalypse is that there are many premises in need of temporary caretakers. So it is that Ed finds himself residing in a furniture warehouse in Berkhamsted, complete with 'dream kitchen' fake fruit and a massage chair. He also somehow finds himself an author with a two book cookbook deal and a three figure advance.

With Stephanie Cole and Celia Imrie.

Written by Andrew Nickolds and Christopher Douglas.

Produced by Dawn Ellis.

Ed Reardon's Week is a BBC Radio Comedy production.

**WED 12:00 News Summary (b05v6g9l)**

The latest national and international news from BBC Radio 4.

**WED 12:04 Welcome to the Quiet Zone (b05vcsl4)**

We Are Technological Lepers

Pocohontas County has strict rules about the emission of radio signals, so that the Green Bank Telescope can conduct observations without interference.

This can cause some irritation to locals, who might want to use mobile phones but can't, but the National Quiet Zone is a legally controlled area of radio quiet, so the area has remained Wi-Fi free, as the rest of the world get increasingly addicted to their smart phones.

Now a new group of people have started to make their way into the area - living in cabins, or 'faraday cages', they are the people who believe themselves to be electromagnetically hyper sensitive. Mobile phone towers can give them headaches; smart metres stop them sleeping. Emile Holba heads into the woods to meet the Wi-Fi runaways, and self-describing 'technological lepers'.

Producer: Sara Jane Hall.

**WED 12:15 You and Yours (b05vct0m)**

M&S profits, End-of-life care, Village vending

High street giant Marks and Spencer has reported its first rise in annual profits for four years. A dedicated M&S shopper gives her verdict on how the shop has changed over the years.

A woman whose husband died in a hospital toilet tells Winifred Robinson how he was failed by the organisation that was supposed to be looking after him. The Health Ombudsman has criticised the hospital responsible, and said hundreds of thousands of patients in England are being let down by poor end-of-life care.

Plus sales at vending machines are up. We visit the rural village of Clifton in Derbyshire, where an industrial sized vending machine is providing 24 hour convenience.

Presented by Winifred Robinson  
 Produced by Natalie Donovan.

**WED 12:57 Weather (b05v6g9n)**

The latest weather forecast.

**WED 13:00 World at One (b05vct0p)**

Rigorous analysis of news and current affairs, presented by Martha Kearney.

**WED 13:45 Incarnations: India in 50 Lives (b05vct0r)**

Shankaracharya: A God Without Qualities

Is that a snake or a coiled rope? Intriguingly, that is the question which starts Professor Sunil Khilnani's look at the life and legacy of Adi Shankaracharya, the philosopher and theologian who set Hinduism - the third largest religion in the world - on a new course. Shankaracharya's ambition was to provide a unified, coherent, single reading of the Hindu scriptures. His teachings were not universally embraced but they were revived by Indian nationalists looking for a muscular response to the monotheistic religions of Christianity and Islam. His efforts to capture the oneness of the universe produced beautiful, sometimes enigmatic sentences - as elusive as the man himself. "I am neither earth nor water nor fire nor air nor sense-organ nor the aggregate of all these," wrote Shankaracharya, "for all these are transient, variable by nature."

Produced by Mark Savage  
 Listeners can catch up with the series and see the list of remarkable Indians featured on the Radio 4 website.

**WED 14:00 The Archers (b05vcsxq0)**

[Repeat of broadcast at 19:00 on Tuesday]

**WED 14:15 Drama (b01p0fp1)**

Beryl: A Love Story on Two Wheels

As an ill child, Beryl Burton was told never to exercise. And then she met a young cyclist called Charlie: "The first year I pushed her, the second year I rode with her, and the third year she was at the head of the bunch".

Maxine Peake writes and stars in this true love story of Beryl Burton, a working class mum from Morley in Leeds who, with no financial backing or training, combined farm work with global domination in all areas of cycling competition from the 1950s to 1970s.

Drama is intertwined with contributions from Charlie Burton, now in his 80s, and their cycling champion daughter, Denise Burton Cole. Their perspective provides an intimate, funny and moving portrayal of Beryl, recorded on bikes in various locations around Saddleworth and in Harrogate.

Cast includes residents of Saddleworth as cyclists and Morley Club supporters

Contributors:  
 Charlie Burton  
 Denise Burton Cole

Sound Engineer Sound Designer: Eloise Whitmore  
 Assistant Producer: Cath Ames  
 Production Assistant: Claire Ennion  
 Executive Producer: Melanie Harris

Directed and produced by Justine Potter  
 A Savvy production for BBC Radio 4.

**WED 15:00 Money Box (b05vct4g)**

Money Box Live: Student Money

What do you need to know about student money? Whether you're concerned about fees or in need of loans, grants and bursaries, Ruth Alexander and guests will be ready to help. Call 03700 100 444 from 1pm to 3.30pm on Wednesday with questions or e-mail [moneybox@bbc.co.uk](mailto:moneybox@bbc.co.uk) now.

If you're hoping to start university in the autumn you'll need to apply for financial support now if you want your money to arrive at the start of term. So what can you claim, how are you assessed and what information will you need to provide?

How much will you have to pay for tuition fees, accommodation and basic living costs? The National Union of Students estimate that the difference between potential student income and expenditure can be up to £8,000 per year, so it's important to look at all sources of financial help.

What's the position if you're a parent or a mature student?

Perhaps you're considering a postgraduate course? A new postgraduate loan system is being consulted on at the moment.

What happens if your financial circumstances change while you are studying?

Whether you're a new or returning student, or perhaps a supporting family member, our team can explain how it works. Waiting to answer your questions will be:

David Malcolm, National Union of Students.  
 Phil Davis, National Association of Student Money Advisers.  
 Lorna Caldwell, Student Awards Agency for Scotland.

Call 03700 100 444 from **1pm to 3.30pm** on Wednesday or e-mail [moneybox@bbc.co.uk](mailto:moneybox@bbc.co.uk) now. Standard geographic call charges apply.

**WED 15:30 All in the Mind (b05vcyvp)**  
[Repeat of broadcast at 21:00 on Tuesday]

**WED 16:00 Thinking Allowed (b05vct5z)**  
Poverty in Britain; Unemployment As a Choice

Poverty in Britain: Laurie Taylor talks to Joanna Mack, Learning and Teaching producer at the Open University, about the largest ever survey of UK levels of economic and social deprivation. Her co-authored book, 'Breadline Britain..' claims that poverty is at an all time high.

Also, claimants who reject work. Andrew Dunn, Senior Lecturer in Social Policy at Lincoln University, has conducted research which suggests that some unemployed people turn down 'undesirable' work, thus choosing to remain in financial hardship.

Producer: Jayne Egerton.

**WED 16:30 The Media Show (b05vd03v)**  
Facebook Instant Articles, Eurovision evolution, UKTV success

As Facebook's latest innovation - Instant Articles - gets underway, we discuss the pros and cons for Facebook, news organisations and the public. Could this innovation be a plan to take over the news business or a way for publishers and broadcasters to reach a larger potential audience more quickly? Question: When is Australia part of Europe? Answer: When it comes to Eurovision. This year there'll be an Australian entry in the competition. Ingrid Deltenre, Director General of the European Broadcasting Union tell us why - and which other non-European country she'd like to have on next year.

And why UKTV's family of channels is so profitable - could it be all these Top Gear repeats? Presenter: Steve Hewlett. Producer: Paul Waters.

**WED 17:00 PM (b05vd03x)**  
News interviews, context and analysis.

**WED 18:00 Six O'Clock News (b05v6g9q)**  
The latest national and international news from BBC Radio 4.

**WED 18:30 Clare in the Community (b03s754k)**  
Series 9

Driven to Extremes

Clare is facing a disciplinary tribunal after a seemingly straightforward job goes awry. Can she convince the panel of her professionalism? At home, Brian tries to cheer up a despondent Nali.

Sally Phillips is Clare Barker the social worker who has all the right jargon but never a practical solution.

A control freak, Clare likes nothing better than interfering in other people's lives on both a professional and personal basis. Clare is in her thirties, white, middle class and heterosexual, all of which are occasional causes of discomfort to her.

Clare continually struggles to control both her professional and private life

In today's Big Society there are plenty of challenges out there for an involved, caring social worker. Or even Clare.

Written by Harry Venning and David Ramsden.

Clare ..... Sally Phillips  
Brian ..... Alex Lowe  
Nali ..... Nina Conti  
Mr Byrne ..... Richard Lumsden  
Ms Mellor ..... Liza Tarbuck  
Mr Plummer ..... Andrew Wincott  
Joan ..... Sarah Thom  
Hannah ..... Alex Tregear  
Dermott ..... Arthur Hughes

Producer: Alexandra Smith.

First broadcast on BBC Radio 4 in January 2014.

**WED 19:00 The Archers (b05vd03z)**  
Emma has one last thing to sort out for the wedding. She talks

to Will, and asks him to think about being Ed's best man. Emma wants to focus on the present and future - the wedding's just one day, and it would mean so much to the whole family.

David, in his capacity as flood warden, talks to Charlie. Charlie's keen to offer his help with the investigation, as David explains the evidence and statistics he's been gathering. David mentions the blocked culvert. Charlie's shocked at the idea of a Berrow Farm worker being involved and promises to get to the bottom of it. Charlie speaks to Rob and plans to interview the staff, saying it's best for Rob to stay out of the process.

Rob reports back to Helen - he's had a bad day. From David, there's a rumour about someone at Berrow blocking up the culvert that Charlie nearly drowned in. Perhaps an employee has it in for Rob. Helen's appalled - what kind of person would take such a stupid risk.

**WED 19:15 Front Row (b05vd041)**  
Jim Dale, Will Young, Man Booker International Prize

Jim Dale, best known for starring in the Carry On films, is returning to the stage in a one man show, Just Jim Dale, which explores his sixty years in show business. Back in his home town of Corby, Jim Dale discusses the legacy of the Carry On films, his gift for impersonation and why he hated being a famous pop star.

Singer songwriter Will Young came to prominence after winning the first series of Pop Idol in 2002. As he releases a new album, 85% Proof, Will Young discusses confronting his past and how the trauma of being bullied by a teacher at school inspired a song on the album.

The Hungarian writer László Krasznahorkai has won the International Man Booker Prize 2015. The judges praised him for his 'sentences of incredible length that go to incredible lengths'. He talks to Samira about his demanding novels which explore dystopian and melancholic themes.

And, as music streaming site Spotify announces it is moving into video, the BBC's technology correspondent Rory Cellan-Jones discusses what the changes might mean for musicians, labels and Spotify's users.

**WED 19:45 15 Minute Drama (b05vcsdj)**  
[Repeat of broadcast at 10:41 today]

**WED 20:00 Unreliable Evidence (b05vds5s)**  
Human Rights on the Battlefield

Clive Anderson and guests discuss the controversial suggestion that the UK should withdraw from human rights legislation and re-instate 'combat immunity' to protect the British Army from legal action.

The British Army may have stepped away from the battlefield, but it is still increasingly under major fire in the courts, where the Ministry of Defence has suffered a series of defeats. Since the landmark case of Smith v MOD in 2013, soldiers injured in battle or the families of those killed in action may sue the Government for negligence under domestic law and for breach of the "Right to Life" under the European Convention on Human Rights.

Arguing the case for combat immunity is Dr Jonathan Morgan, co-author of the think tank Policy Exchange's report Clearing the Fog of War which contends that the judiciary is the wrong body to hold the army to account. It says the extension of the common law of negligence to military action has already had damaging effects on the forces. The result will be an excessive degree of caution which is antithetical to the war-fighting ethos that is vital for success on the battlefield.

Arguing against Dr Morgan are barrister Jessica Simor QC, who acted for the appellants in Smith v Ministry of Defence, and retired Supreme Court judge Lord Hope, who presided in the case.

Also taking part is former Army Legal Service officer Andrew Buckham who now represents soldiers suing the military and the government.

Have court decisions which extend the reach of human rights law beyond the UK undermined the effectiveness of the military - and should it be parliament, not the judiciary, that holds the army to account?

Produced by Brian King  
An Above The Title production for BBC Radio 4.

**WED 20:45 Four Thought (b05vds5x)**  
Huda Jawad

Huda Jawad describes reconciling her deeply-held Islamic faith

with her feminism, arguing that the Qur'an does not sanction the oppression of women.

"I was enraged to hear that Islam was used in the most perverse ways," she says, "to maintain women's vulnerability and persecution and enable the perpetrators, who are usually men, to coerce and control them."

Producer: Sheila Cook.

**WED 21:00 Costing the Earth (b05v7tqq)**  
[Repeat of broadcast at 15:30 on Tuesday]

**WED 21:30 Midweek (b05vcsdc)**  
[Repeat of broadcast at 09:00 today]

**WED 22:00 The World Tonight (b05vds61)**  
Record fines for banks over currency market fix.

5 major banks fined more than £3.6 bn for colluding to manipulate foreign currency

**WED 22:45 Book at Bedtime (b05vy89l)**  
Sarah Hall - The Wolf Border

Episode 3

Now employed on the Earl of Annerdale's estate, it's time for Rachel to meet the staff, make up her team and reconnect with her brother.

And she needs to make a fateful decision...

Sarah Hall's novel is a compelling story about political and personal borders - about power, land, family and love. At its heart is Rachel Caine, tough, untouchable, an expert on wolves, and long estranged from her home county of Cumbria and her fiery mother and lost brother. Like the wolves she protects and champions, she is wary of humanity, happy in the wilderness.

Set against the dramatic and perfectly evoked backdrop of the Lakeland fells, The Wolf Border explores issues of ownership and vested power, of re-wilding and of family as Rachel finds her way home.

Reader: Hattie Morahan

Abridger: Sally Marmion

Producer: Di Speirs

First broadcast on BBC Radio 4 in May 2015.

**WED 23:00 John Kearns (b05vhf6x)**  
Episode 1 - The Ticket

A glimpse into the oddball mind of John Kearns as he returns home from work...

The first of four 14 minute vignettes from the Winner of the Main Prize at 2014's Edinburgh Comedy Festival, as well as 2013 Best Newcomer.

Producer: Arnab Chanda

First broadcast on BBC Radio 4 in May 2015

**WED 23:15 Before They Were Famous (b05vdtgg)**  
Series 3

Episode 1

Ian Leslie presents the show which brings to light the often surprising first literary attempts of the world's best known writers.

In this episode, we're first treated to graphic novelist Alan Moore's early drafts for the popular Fred Bassett cartoon strip.

We then turn to crime writer Patricia Cornwell and her perhaps excessively gory descriptions of fast food menu items, written as an early commission by a high street restaurateur when work was scarce.

Finally we hear from great poet Byron as he first plied his trade for a quick paycheque, penning headstone verses for beloved deceased pets.

To end the show, the first of our disturbingly unseasonal Christmas cracker jokes by Henrik Ibsen.

Producer: Claire Broughton

A Hat Trick production for BBC Radio 4 first broadcast in May 2015..

**WED 23:30 Piano Pilgrimage (b03nrlyg)**  
Episode 1

Jazz pianist Jamie Cullum explores the piano's place in modern life. With recent stories about the decline of the piano, Jamie delves behind the myths to find out about the history of the instrument he is most passionate about and looks at how the piano industry is still thriving in the UK.

In the first episode, Jamie begins by focusing on the piano itself and traces the story of an old abandoned piano that he rescued from a street corner. His journey leads him to the London Borough of Camden where piano historian Dr. Alastair Laurence takes him on a tour around the area that, only a century ago, was the world centre of the piano making industry.

After exploring some of the remaining piano retailers in the neighbourhood and playing London's most out of tune piano, Jamie travels to the Yorkshire Dales to visit one of the few places left in the country where pianos are still being made from scratch.

At Newark College, Jamie talks to the course leader and students at the last piano tuning course in the country and learns some surprising facts about the physics of piano tuning.

Finally, Jamie visits the Brontë's old family home to play on the sisters' own piano that has been carefully restored.

Produced by Andrea Rangecroft.  
A Folded Wing production for BBC Radio 4

**THURSDAY 21 MAY 2015**

**THU 00:00 Midnight News (b05v6gbk)**  
The latest national and international news from BBC Radio 4. Followed by Weather.

**THU 00:30 Steve Boggan - Gold Fever (b05vhxqp)**  
[Repeat of broadcast at 09:45 on Wednesday]

**THU 00:48 Shipping Forecast (b05v6ghm)**  
The latest shipping forecast.

**THU 01:00 Selection of BBC World Service Programmes (b05v6gbb)**  
BBC Radio 4 joins the BBC World Service.

**THU 05:20 Shipping Forecast (b05v6gbr)**  
The latest shipping forecast.

**THU 05:30 News Briefing (b05v6gbt)**  
The latest news from BBC Radio 4.

**THU 05:43 Prayer for the Day (b05vt8sr)**  
A spiritual comment and prayer to begin the day with Sister Gemma Simmonds of the Congregation of Jesus.

**THU 05:45 Farming Today (b05vdf1)**  
Farm innovation, Lave net fishing, RPA deadlines

How easy is it for farmers to discover new ways of working, and can they find the right help and advice when they need it? What's the relationship between farmers and researchers, be they working within university departments or commercial companies? All this week Farming Today is looking at innovation in farming. Mark Smalley reports from a conference about farm innovation at Stoneleigh Park in Warwickshire.

'Lave net' fishing dates back hundreds of years on the Severn estuary, and involves spreading a net across a Y-shaped wooden frame, which is wedged in the mud and held by a fisherman up to his or her waist in the water. The Environment Agency has reduced the fishermen's annual catch from five fish each, to just one - blaming declining numbers of salmon in the Estuary. Steve Knibbs meets 84 year old Jock Riggs, who's been fishing on the Severn since 1946. Do the new rules threaten an ancient way of life?

And Farming Minister George Eustice gives an update on deadlines for farmers claiming farm subsidy through the Rural Payments Agency.

Presented by Charlotte Smith and produced by Emma Campbell.

**THU 05:58 Tweet of the Day (b038qk8r)**  
Thrush Nightingale

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

Brett Westwood presents the thrush nightingale. Even though there's no sign of the whistling crescendos that are a hallmark of its close relative, the Nightingale, the song of the thrush nightingale is an accomplished performance. They are summer visitors to Europe and prefer dense damp thickets from which they often sing.

**THU 06:00 Today (b05vfdzj)**

Morning news and current affairs. Including Sports Desk, Weather and Thought for the Day.

**THU 09:00 In Our Time (b05vfdzl)**

Josephus

It is said that, in Britain from the 18th Century, copies of Josephus' works were as widespread and as well read as The Bible. Christians valued "The Antiquities of the Jews" in particular, for the retelling of parts of the Old Testament and apparently corroborating the historical existence of Jesus. Born Joseph son of Matthias, in Jerusalem, in 37AD, he fought the Romans in Galilee in the First Jewish-Roman War. He was captured by Vespasian's troops and became a Roman citizen, later describing the siege and fall of Jerusalem. His actions and writings made him a controversial figure, from his lifetime to the present day.

With

Tessa Rajak  
Professor Emeritus of Ancient History, University of Reading

Philip Alexander  
Professor Emeritus of Jewish Studies, University of Manchester

And

Martin Goodman  
Professor of Jewish Studies, University of Oxford and  
President of the Oxford Centre for Hebrew and Jewish Studies

Producer: Simon Tillotson.

**THU 09:45 Steve Boggan - Gold Fever (b05vj09h)**  
Episode 4

Having learnt the basics from a host of helpful characters, Steve heads off along the North Yuba River to try his hand at gold prospecting alone.

Read by Paul Ritter and Sara Markland.

Gold - for centuries people have been entranced by the riches it promises, thousands have gone wild in their search for it, and since the Financial Crisis the price of gold has reached peaks never seen in history. All over the world, particularly in the US, people with no experience of prospecting began shopping for shovels, pickaxes, gold pans, tents, generators, and all manner of equipment they had no idea how to use. And off they went mining.

Steve Boggan decided to follow in their footsteps. In 2013 he packed his bags and flew to San Francisco to join the 21st century's gold rush (the 'New 49ers') in a quest to understand the allure of the metal - and maybe find a bit for himself too.

He meets a selection of colourful characters - those who left desk jobs and family life behind to work by the river in scorching heat and fresh mountain air, in the hope of striking it rich. Most of them only make enough money to scrape a living, but Steve is surprised how happy they seem to be. From them, he gets a crash course in small-scale prospecting.

He also takes us back in time to the original gold rush, two centuries ago, tracing the path of the first intrepid 49ers (in particular, a woman called Sarah Royce and her family) who abandoned their roots and trekked thousands of miles across perilous terrain, risking death for the chance of riches.

Abridged by Libby Spurrier  
Producer: Joanna Green

A Pier production for BBC Radio 4 first broadcast in May 2015.

**THU 10:00 Woman's Hour (b05vfdzp)**

Re-inventing the Magna Carta through the eyes of artist Cornelia Parker. As the conflict in Syria slips down the news agenda, we've an update on the country's continuing humanitarian crisis. The Bank of England wants the public to

suggest the name of a visual artist they'd like to see on a new £20 note, we discuss the female artists who would be eligible. We've more in our series of audio snapshots in which women answer personal questions about their lives. And how should women in the clergy dress for work?

Presenter: Jenni Murray  
Producer: Anne Peacock.

**THU 10:45 15 Minute Drama (b05vfdzr)**  
A Small Town Murder

Episode 4

The seventh series of our crime drama starring Meera Syal as family liaison officer Jackie Hartwell.

Jackie Hartwell is tasked to break the news to Connie Hudson - a Birmingham based singing star from the 1960's - that her troubled daughter Abi has been found murdered.

Written by Scott Cherry  
Produced and Directed by Clive Brill  
A Brill production for BBC Radio 4.

**THU 11:00 From Our Own Correspondent (b05vfdzt)**  
A Coup Crumbles

The programme that takes you places. In this edition to two countries, Burundi and Macedonia, where people have taken to the streets demanding change. In both, the outcome remains uncertain, the mood volatile, the conditions dangerous. Another correspondent looks on as thousands of troops from the US and its allies take part in a military exercise in Jordan - the top brass, meanwhile, are considering how best to tackle the advance of the fighters of Islamic State across the border in Iraq. Spaniards, after years of economic woe, are deserting their traditional political parties and we're in Barcelona, hearing why the radical left could soon seize control of the city hall. And 20-years after a spectacular volcanic eruption in the largest of the islands which make up Papua New Guinea we visit East New Britain and find people there upset that the tourists continue to give their home a wide berth.

**THU 11:30 The Folk of the Pennines (b05vfdzw)**  
Greenhead to Kirk Yetholm

In 1965, after 30 years of campaigning led by the ramble Tom Stephenson, the Pennine Way was officially opened on Malham Moor in the Yorkshire Dales. Stretching from Edale in Derbyshire to Kirk Yetholm in the Scottish borders, the 268 mile route has attracted tens of thousands of walkers over the intervening years.

To celebrate the 50th anniversary this year, Mark Radcliffe travels the route and meets up with poets, folk musicians, historians and local people along the way.

In the final programme, Mark travels from Greenhead near Hadrian's Wall to the village of Kirk Yetholm. He visits the Roman ruins of Vindolanda and in Bellingham discovers his ancestors may have been amongst the Border Reivers. He reaches the end point of the Pennine Way and meets up with Scottish folk singer Emily Smith who performs the Border Ballad 'The Dowie Dens o'Yarrow'.

Producer: Elizabeth Foster/Presenter: Mark Radcliffe.

**THU 12:00 News Summary (b05v6gbw)**  
The latest national and international news from BBC Radio 4.

**THU 12:04 Welcome to the Quiet Zone (b05vffp2)**  
Hunter and the Hunted

Homer Hunter takes Emile down by the creek in Stoney Bottom star gazing. Homer remembers before the telescope was built and when the Quiet Zone was just a quiet place - apart from the moonshine, and the blue grass, and the bear hunting, and the preaching.

Producer: Sara Jane Hall.

**THU 12:15 You and Yours (b05vffp4)**  
Disability hate crime, Middle-aged renters, Dreamland

Justice system fails disability hate crime.

Leaner pickings for loyalty card owners.

The middle-aged professionals falling off the property ladder

The town pinning its hopes on the fun fair that is rising for the ashes.

Holiday makers booked in hotel where facilities are 'in the pipeline.'

**THU 12:57 Weather (b05v6gby)**

The latest weather forecast.

**THU 13:00 World at One (b05vffp6)**

Rigorous analysis of news and current affairs, presented by Martha Kearney.

**THU 13:45 Incarnations: India in 50 Lives (b05vffp8)**

Rajaraja Chola: Cults of the Imagination

Rajaraja was not the first of the Chola dynasty but he took their empire to its zenith - from a relatively small kingdom to the dominant empire in India. Professor Sunil Khilnani, from the King's India Institute in London, visits Tamil Nadu where he finds modern day connections with the ruler whose name means 'king of kings'. Professor Khilnani visits the temple at Thanjavur which Rajaraja built a thousand years ago and named after himself, utilising the profits of trade. "For Raja Raja had pulled off something that no Indian ruler before him seems to have done," says Professor Khilnani. "He'd commandeered trading boats, timber sailed craft and launched maritime expeditions, bringing far flung wealth back home." The king was lavish with his gifts and used his wealth to capture the imaginations of those he ruled. His most important gift to art history came at the temple's consecration: 60 portable icons of Lord Shiva, the Hindu deity.

Producer: Mark Savage

Researcher: Manu Pillai

With incidental music by the composer Talvin Singh  
Listeners can catch up with the series and see the list of remarkable Indians featured on the Radio 4 website.

**THU 14:00 The Archers (b05vd03z)**

[Repeat of broadcast at 19:00 on Wednesday]

**THU 14:15 Stone (b05vfgc8)**

Series 5

A Cut Above

Third drama in crime series Stone created by Danny Brocklehurst.

In A Cut Above by Marcia Layne, when DCI Stone and team investigate a suspected case of female genital mutilation, they find that no-one is willing to talk to them.

Sound design by Steve Brooke

Directed by Nadia Molinari.

**THU 15:00 Ramblings (b05vfgcb)**

Series 30

Royal Greenwich Park

In the first of a new series of Ramblings, Clare Balding meets a group of parents who regularly share uplifting walks in Royal Greenwich Park. The walkers each have children with special needs and find that rambling in one of London's most beautiful parks is both joyful and supportive.

Producer: Karen Gregor.

**THU 15:27 Radio 4 Appeal (b05v6gjj)**

[Repeat of broadcast at 07:54 on Sunday]

**THU 15:30 Open Book (b05v6gn3)**

[Repeat of broadcast at 16:00 on Sunday]

**THU 16:00 The Film Programme (b05vfjtf)**

Tomorrowland, Iranian Vampire Spaghetti Western, Abderrahmane Sissako, Cannes

With Francine Stock.

Director Brad Bird discusses Tomorrowland, in which George Clooney searches for a mythical city of the future created by the finest minds of their generation.

Director Ana Lily Amirpour discusses her Iranian vampire spaghetti western, A Girl Walks Home Alone At Night.

Abderrahmane Sissako talks about the political context of his drama Timbuktu, in which an African town is taken over by a jihadist group.

Tim Robey and Clare Binns report from the Cannes Film Festival.

**THU 16:30 BBC Inside Science (b05vfjth)**

El Nino, Echolocation, Seasons, Snakes

El Nino is a weather event that happens every 5 years. It leaves Europe largely unscathed but causes havoc around the southern hemisphere. El Nino causes droughts, floods and has even been linked to an increased incidence of war. And yet it is surprisingly hard to predict. Adam speaks to Professor Adam Scaife, from the Met Office, about unpicking the science from weather chaos.

Echolocation is the ability to sense objects using reflected sound. A handful of animal species do this - most bats, some whales and even a few humans. Some blind people use echolocation to navigate the world they can't see. Some make a clicking sound as they walk. Others use the sound of their footfall. In fact, all humans, sighted and unsighted, do it. Adam meets BBC's Damon Rose, who is blind, and they compare skills.

Marnie Chesterton travels to Southampton University's Institute of Sound and Vibration Research to meet Daniel Rowan. His team have recently isolated some of the factors necessary to echolocate. The work involved an anechoic chamber - the quietest place on earth and the sound equivalent of nothing.

Last week Adam gave the incorrect reason for why we have seasons. Dr Laura Rogers, a physics teacher, puts him right.

Dr Rhys Jones, star of BBC TV's Wildlife Patrol talks to Adam about the origin of snakes. A recent paper from a team in Yale hypothesises a common ancestor with tiny hind legs and nocturnal habits. Adam questions why 3400 species of snake have evolved to not have legs, when millions of other animals find them so useful.

**THU 17:00 PM (b05vfjtk)**

Carolyn Quinn with interviews, context and analysis.

**THU 18:00 Six O'Clock News (b05v6gc0)**

The latest national and international news from BBC Radio 4.

**THU 18:30 Best Behaviour (b05vfjtm)**

Episode 3

Holly Walsh presents the comedy panel show that lays down the law of modern manners.

The guest panellists are comedians Richard Herring, Helen Zaltzman and Lloyd Langford, who are all pitching their ideas for new best behaviour rules to tackle modern life.

In this edition, the etiquette of travel is under comic scrutiny - including how to solve the phenomenon of 'man-spreading' on public transport, the need to ban emoticons from text messages, and the modern menace of cycling on pavements.

The panel also tackles the tricky etiquette problem of a member of the studio audience - 'how do I get out of nodding to the stranger I walk past every day when walking to work?'

Producer: Aled Evans

A Zeppotron production for BBC Radio 4.

**THU 19:00 The Archers (b05vfjxp)**

Emma's delighted with the dress Clarrie and Susan have made for her. Fallon presents Clarrie's beautiful dress, bought by Caroline. Susan points out to Emma how beautiful she looks. She may have said it before (before Emma's first wedding), but it really shows now that Emma's truly happy.

Emma would like to do a sewing bee for her hen night. Fallon's in charge of the wedding tea but is annoyed at herself for forgetting to replace the stolen bunting. Helen and Emma help by making new bunting. Helen talks happily about the idea of getting married herself. Emma gleefully mentions Susan's short engagement - she was pregnant with Emma at the time.

Will is going to be Ed's best man after all and vows to do a good job. He justifies missing Ed's stag as he has to write his speech - and hasn't a clue what to put. Nic implores Will to genuinely want to be Ed's best man - for himself not just obligation to the family. Then Will can truly put the past behind him. Susan has a heart to heart with Emma - she's so proud. Ed's a great guy and she knows Emma's doing the right thing this time.

**THU 19:15 Front Row (b05vfjxr)**

Danny Boyle at Home, Simon Stephens, Lee Miller and Picasso

HOME is the new venue for film, theatre and the visual arts in Manchester. It brings together two former Manchester institutions - the Cornerhouse, so named because of its

distinctive shape, and the Library Theatre which used to have its home in Manchester's Central library basement. Danny Boyle, filmmaker, theatre director, and now patron of Home, and Home's chief executive, Dave Moutrey, assess what this new £25 million arts centre brings to Manchester's cultural landscape.

Playwright Simon Stephens, best known for his adaption of Mark Haddon's novel The Curious Incident of the Dog in the Night-Time, discusses his commission to write the inaugural play, The Funfair, for Manchester's newest dramatic stage - the main theatre at Home.

A Girl Walks Home Alone At Night is a genre-defying mishmash of cinematic and popular culture references. This black and white Iranian vampire movie is also the debut of Iranian-American filmmaker, Ana Lily Amirpour. A big hit at last year's Sundance festival, it's just about to open in the UK. Larushka Ivan-Zadeh reviews.

'Lee Miller and Picasso' is a new exhibition at the Scottish National Portrait Gallery, drawing on the thirty year friendship between the photographer and artist. The collection includes personal photographs and items from the Miller Archive. Antony Penrose - Miller's son - reflects on the compelling relationship between the two revealed by his mother's photography.

Presenter - John Wilson

Producer - Ekene Akalawu.

**THU 19:45 15 Minute Drama (b05vfdzr)**

[Repeat of broadcast at 10:45 today]

**THU 20:00 The Report (b05vfjxx)**

Aid to Nepal

Aid is pouring in to Nepal in the wake of the earthquake. But in a country where corruption is endemic, will the money go where it is meant to? Simon Cox investigates.

Producer: Ben Crighton

Researcher: Aurelia Allen.

**THU 20:30 In Business (b05vfk87)**

Medellin Miracle

Less than 25 years ago Medellin was the most dangerous city on earth; with a reputation for kidnapping and murder, as well as a thriving drugs trade. Now Colombia's second city has become a top global tourist destination. Peter Day reports on a remarkable transformation.

Producer: Keith Moore.

**THU 21:00 BBC Inside Science (b05vfjth)**

[Repeat of broadcast at 16:30 today]

**THU 21:30 In Our Time (b05vfdzl)**

[Repeat of broadcast at 09:00 today]

**THU 22:00 The World Tonight (b05vfkbw)**

Net migration to Britain last year reached its highest level for a decade.

The number of people settling in the UK estimated to be 318,000 higher than those leaving. That's the biggest number since 2005.

**THU 22:45 Book at Bedtime (b05vy8bv)**

Sarah Hall - The Wolf Border

Episode 4

As the project gets underway, word reaches the local community and unleashes a backlash. Meanwhile Rachel has a life changing first encounter.

Sarah Hall's novel is a compelling story about power, land, family and love. At its heart is Rachel Caine, tough, untouchable, an expert on wolves, and long estranged from her home county of Cumbria and her fiery mother and lost brother. Like the wolves she protects and champions, she is wary of humanity and happiest in the untamed wilderness.

Set against the dramatic and perfectly evoked backdrop of the Lakeland fells, The Wolf Border explores issues of ownership and vested power, of re-wilding and of family as Rachel realises she can choose, and change.

Reader: Hattie Morahan

Abridger: Sally Marmion

Producer: Di Speirs

First broadcast on BBC Radio 4 in May 2015.

**THU 23:00 Two Episodes of Mash (b01mqqt)**  
Series 2

Episode 3

Diane, Joe and David break loose from BBC Security and go on the run around Radio 4.

Hear them crash into programmes like Book At Bedtime and The Archers, before making their getaway with Aled Jones...

An animation of their Fishing Sketch by Tom Rourke can be seen on BBC Radio 4 Extra's website.

A mix of silly, surreal sketches and banter starring Diane Morgan, and Joe Wilkinson.

With:

David O'Doherty  
Paul Harry Allen  
Bobbie Pryor  
Gary Newman  
Aled Jones.

Producer: Clair Wordsworth

First broadcast on BBC Radio 4 in September 2012.

**THU 23:30 Piano Pilgrimage (b03pd2mv)**  
Episode 2

In the second part of his pilgrimage, jazz pianist Jamie Cullum uncovers the central role pianos have played in our communities in the past, and demonstrates the instrument's continued importance in many people's lives today.

Beginning at the family home of the Brontë sisters in West Yorkshire, he learns what the instrument meant for women in terms of courtship and their potential for marriage in the 1800s.

Jamie then heads to a school in Northern Ireland where the piano still plays a key part in the girls' education and wider social lives. After hearing a talented young pianist play, he performs an impromptu piece with the school choir around their grand piano.

Once a film student himself, Jamie looks at the position of the piano in silent cinema and learns about the resurgence of the phenomenon today at an open-air event in south London.

The pilgrimage eventually takes Jamie and his rescued old piano to a London pub to meet Chas and Dave. The three of them discuss the instrument's contribution to pub culture, before Jamie joins the Rockney duo for a crowd-pleasing sing-a-long around the piano.

Produced by Andrea Rangelcoft.  
A Folded Wing production for BBC Radio 4.

#### FRIDAY 22 MAY 2015

**FRI 00:00 Midnight News (b05v6gcz)**  
The latest national and international news from BBC Radio 4. Followed by Weather.

**FRI 00:30 Steve Boggan - Gold Fever (b05vj09h)**  
[Repeat of broadcast at 09:45 on Thursday]

**FRI 00:48 Shipping Forecast (b05v6gd1)**  
The latest shipping forecast.

**FRI 01:00 Selection of BBC World Service Programmes (b05v6gd3)**  
BBC Radio 4 joins the BBC World Service.

**FRI 05:20 Shipping Forecast (b05v6gd5)**  
The latest shipping forecast.

**FRI 05:30 News Briefing (b05v6gd7)**  
The latest news from BBC Radio 4.

**FRI 05:43 Prayer for the Day (b05vt8vw)**  
A spiritual comment and prayer to begin the day with Sister

Gemma Simmonds of the Congregation of Jesus.

**FRI 05:45 Farming Today (b05vhq7t)**  
Dairy Cooperative

The UK's first Dairy Producer Organisation has been launched. It will act like a farmers' cooperative, and will be able to legally negotiate on behalf of its members. It'll be called Dairy Crest Direct, and will represent the 1,000 farmers who supply Dairy Crest.

As part of our look at innovation on farms, we hear from farmers at Grassland UK - an exhibition of some of the biggest and best new machines on the market. And Sophie Anton hears about a new system for growing plants - vertically, using no soil!

And did you know that 90% of the flowers we buy are imported? We hear from a campaigner who'd like to see British flowers promoted in the same way as British produce.

Presented by Charlotte Smith and produced in Bristol by Sally Challoner.

**FRI 05:58 Tweet of the Day (b038qk90)**  
Jay

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

Brett Westwood presents the jay. This bird is a colourful member of the crow family. In September and October you'll often see jays flying around woodland with their bills and throats crammed with acorns. Many of these they bury as winter stores but not all are retrieved by Jays and many germinate and grow into young oaks, making the jay a tree-planter on a national scale.

**FRI 06:00 Today (b05vhh3z)**  
Morning news and current affairs. Including Sports Desk, Weather and Thought for the Day.

**FRI 09:00 Desert Island Discs (b05v6glq)**  
[Repeat of broadcast at 11:16 on Sunday]

**FRI 09:45 Steve Boggan - Gold Fever (b05vj0r4)**  
Episode 5

Steve witnesses the darker side of 'gold fever' and finally tracks down 'the guy' he's heard so much about.

Concluded by Paul Ritter and Sara Markland.

Gold - for centuries people have been entranced by the riches it promises, thousands have gone wild in their search for it, and since the Financial Crisis the price of gold has reached peaks never seen in history.

All over the world, particularly in the US, people with no experience of prospecting began shopping for shovels, pickaxes, gold pans, tents, generators, and all manner of equipment they had no idea how to use. And off they went mining.

Steve Boggan decided to follow in their footsteps. In 2013 he packed his bags and flew to San Francisco to join the 21st century's gold rush (the 'New 49ers') in a quest to understand the allure of the metal - and maybe find a bit for himself too.

He meets a selection of colourful characters - those who left desk jobs and family life behind to work by the river in scorching heat and fresh mountain air, in the hope of striking it rich. Most of them only make enough money to scrape a living, but Steve is surprised how happy they seem to be. From them, he gets a crash course in small-scale prospecting.

He also takes us back in time to the original gold rush, two centuries ago, tracing the path of the first intrepid 49ers (in particular, a woman called Sarah Royce and her family) who abandoned their roots and trekked thousands of miles across perilous terrain, risking death for the chance of riches.

Abridged by Libby Spurrier  
Producer: Joanna Green

A Pier production for BBC Radio 4 first broadcast in May 2015.

**FRI 10:00 Woman's Hour (b05vhh42)**  
George Clooney, Power List 2015: Influencers in fashion

George Clooney on his new film Tomorrowland and what it's like to grow old in Hollywood.

The first Women's Court in the former Yugoslavia addressing the crimes committed against them during the wars. Barrister Kirsten Campbell talks about the importance of a 'feminist approach to justice.' Women in One - a collection of short interviews with strangers in Leeds.

Rachel Treweek, the first woman to run a diocese and the current Archdeacon of Hackney who will become the new Bishop of Gloucester. Women's Hour's 2015 Power List: Influencers - Claudia Croft and Frances Card on who influences women's fashion.

Presenter: Jenni Murray  
Producer: Rebecca Myatt.

**FRI 10:45 15 Minute Drama (b05vhh44)**  
A Small Town Murder

Episode 5

The seventh series of our crime drama starring Meera Syal as family liaison officer Jackie Hartwell.

Jackie Hartwell is tasked to break the news to Connie Hudson - a Birmingham based singing star from the 1960's - that her troubled daughter Abi has been found murdered.

Written by Scott Cherry  
Produced and Directed by Clive Brill  
A Brill production for BBC Radio 4.

**FRI 11:00 Can Pay Won't Pay (b05v7tm6)**  
[Repeat of broadcast at 20:00 on Monday]

**FRI 11:30 Paul Temple (b039q5dx)**  
Paul Temple and the Gregory Affair

Presenting Mr Gregory

The tenth and final part of a new production of a vintage serial from 1946.

From 1938 to 1968, Francis Durbridge's incomparably suave amateur detective Paul Temple and his glamorous wife Steve solved case after baffling case in one of BBC radio's most popular series. Sadly, only half of Temple's adventures survive in the archives.

In 2006 BBC Radio 4 brought one of the lost serials back to life with Crawford Logan and Gerda Stevenson as Paul and Steve. Using the original scripts and incidental music, and recorded using vintage microphones and sound effects, the production of Paul Temple and the Sullivan Mystery aimed to sound as much as possible like the 1947 original might have done if its recording had survived. The serial proved so popular that it was soon followed by three more revivals, Paul Temple and the Madison Mystery, Paul Temple and Steve, and A Case for Paul Temple.

Now, from 1946, it's the turn of Paul Temple and the Gregory Affair, in which Paul and Steve go on the trail of the mysterious and murderous Mr Gregory.

Episode 10: Presenting Mr Gregory

Paul sends out invitations to a very special party at the Madrid club.

Producer Patrick Rayner

Francis Durbridge, the creator of Paul Temple, was born in Hull in 1912 and died in 1998. He was one of the most successful novelists, playwrights and scriptwriters of his day.

**FRI 12:00 News Summary (b05v6gd9)**  
The latest national and international news from BBC Radio 4.

**FRI 12:04 Welcome to the Quiet Zone (b05vhh46)**  
Change Must Come

Rumours of closure at the Robert C Byrd Telescope at the National Radio Astronomy facility in Green Bank, West Virginia, abound.

Emile Holba hears from Karen O'Neill what extraordinary things the telescope can hear, and asks if the Quiet Zone is no longer needed how will that change the lives of those who live in this valley?

The telescope is trying to understand the creation of the universe, but there are universal issues pushing against the Quiet Zone.

The lives of those in the valley are in the hands of outsiders. The real MIB.

Producer: Sara Jane Hall.

**FRI 12:15 You and Yours (b05vhh48)**

DBS delays, Npower, Challenger Banks, Breakout Rooms, Train Overcrowding

Consumer affairs programme.

**FRI 12:57 Weather (b05v6gdc)**

The latest weather forecast.

**FRI 13:00 World at One (b05vhh4b)**

Rigorous analysis of news and current affairs, presented by Mark Maddell.

**FRI 13:45 Incarnations: India in 50 Lives (b05vhh4d)**

Basavana: A Voice in the Air

A portrait of Basavana, the radical poet and religious guru from the 12th century, whose words have inspired many other Indian poets, writers and dramatists. Professor Sunil Khilnani tells the story of a man whose deceptively simple verses protest against the immorality of the caste system and proclaim the intrinsic value of people who happen to be born poor. "His verses ... are what best explain him. They have a directness that reveals to us a free thinker, social reformer and religious evangelist who sometimes struggled to resist worldly temptations," says Professor Khilnani. Basavana was an inspiration to his followers yet his life came to a bitter end. His teachings are kept alive by a substantial religious community called the Lingayats who are concentrated in Northern Karnataka.

Produced by Mark Savage

Researcher: Manu Pillai

Readings by Sagar Arya

Listeners can catch up with the series and see the list of remarkable Indians featured on the Radio 4 website.

**FRI 14:00 The Archers (b05vfjxp)**

[Repeat of broadcast at 19:00 on Thursday]

**FRI 14:15 Drama (b05vhhkb)**

Lizzy Barry's Lesson

Lizzy Barry was without doubt the most celebrated and best loved actress of the Restoration. But though Mrs Barry would disagree, it may have been her liaison with the infamous libertine The Earl of Rochester which provided the key to her extraordinary success.

Snatched or indeed kidnapped from a theatre where she was playing an unimportant supporting role, Robin Glendinning imagines a period of enforced and brutal tutelage during which Lizzy's exposure to The Earl of Rochester's poetry, stage craft and lovemaking, takes a head-strong but unpolished performer and turns her into the theatrical force which brought to an end the melodramas of Mrs Beterton and blazed a trail for a new generation of actresses who would go on to dominate the London stage as Desdemona, Portia, Rosalind and Lady Macbeth.

Robin Glendinning has written around 20 radio plays for BBC including 'Condemning Violence' nominated for a Sony award and 'The Words are Strange' a Giles Cooper Award winner and 'Playing for Time - 3 Days in May 1940' part of the Churchill Season on Radio 4, Jan 2005. His stage credits include: Stuffing It. Gate Dublin, Tricycle London. Culture Vultures Lyric Belfast, Minerva Chichester. Mumbo Jumbo Royal Exchange Manchester, Lyric Hammersmith, Lyric Belfast. Donny Boy Royal Exchange Manchester, Tour with Tinderbox Theatre Belfast, Exeter Theatre, Royal Theatre Oslo. Summerhouse Druid Galway, Arts Theatre Belfast.

Writer ..... Robin Glendinning

Director ..... Eoin O'Callaghan.

**FRI 15:00 Gardeners' Question Time (b05vhhkbq)**

Chelsea Fringe

Eric Robson chairs the horticultural panel programme from the Chelsea Fringe Festival. Bob Flowerdew, Pippa Greenwood and Anne Swithinbank answer questions at the Tea House Theatre.

Matt Biggs takes a grand tour of the Chelsea Fringe festivities and Peter Gibbs visits Matthew Wilson as he puts the finishing touches to his Chelsea show garden.

Produced by Howard Shannon

Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

**FRI 15:45 Wish You Weren't Here... (b05vhhkb)**

Small Print

A young couple buy a house, but there's a strange clause in the small print and a mysterious guest in their front room.

Patrick FitzSymons reads Clare Dwyer Hogg's unsettling tale.

Wish You Weren't Here is a series of three original short stories by award-winning writers about that awkward person you'd rather not meet...

Director ..... Jenny Thompson

First broadcast on BBC Radio 4 in 2015.

**FRI 16:00 Last Word (b05vhhkb)**

Oscar Holderer, David Sharp, the Dowager Marchioness of Reading, Alexandre Lamfalussy and Guy Carawan

Matthew Bannister on

Oscar Holderer, the last known survivor of the group of German rocket scientists who moved to America after the second world war. He helped to develop the Saturn Five rocket that took men to the moon.

Also rambler David Sharp - who created the Thames Path.

The Dowager Marchioness of Reading who was a pioneering pilot, a stock car racer and noted for her outspoken political views.

The economist and banker Alexandre Lamfalussy who laid the foundations for the European single currency.

And the American musician Guy Carawan who helped to turn the church song "We Shall Overcome" into an international campaigning anthem.

**FRI 16:30 More or Less (b05vhhkc)**

Women Drink Driving

Tim Harford asks whether there really is a problem with women drink driving as suggested by the Police Federation. He looks at the Rotterdam Effect and asks whether goods going to Europe's largest port skew the UK's export figures. He looks at the number of people on death row in the US who are eventually exonerated. He finds that the number of species of owl is a more difficult number to come by than you might expect and he asks if the Campaign for Real Ale are right to say that 29 pubs a week are closing in the UK.

**FRI 16:56 The Listening Project (b05vhhkv4)**

Alan and Angela - Having a Voice

Fi Glover introduces a husband and wife considering how his stutter has featured in their relationship and wondering what will happen now he's found a way of dealing with it. Another in the series that proves it's surprising what you hear when you listen.

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 with someone close to them about a subject they've never discussed intimately before. The conversations are being gathered across the UK by teams of producers from local and national radio stations who facilitate each encounter. Every conversation - they're not BBC interviews, and that's an important difference - lasts up to an hour, and is then edited to extract the key moment 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 the second decade of the millennium. You can learn more about The Listening Project by visiting [bbc.co.uk/listeningproject](http://bbc.co.uk/listeningproject)

Producer: Marya Burgess.

**FRI 17:00 PM (b05vhhkv6)**

Carolyn Quinn with interviews, context and analysis.

**FRI 18:00 Six O'Clock News (b05v6gdf)**

The latest national and international news from BBC Radio 4.

**FRI 18:30 The News Quiz (b05vhhkv8)**

Series 87

Episode 2

A satirical review of the week's news, chaired by Sandi Toksvig, with regular panellist Jeremy Hardy and guests Hugo Rifkind, Mark Steel and Holly Walsh.

Produced by Lyndsay Femmer.

A BBC Radio Comedy Production.

**FRI 19:00 The Archers (b05vhhc6)**

Ed & Emma's Wedding

Three weeks of themed programmes from the last two decades reliving key moments from the characters' lives and the events that make Ambridge unforgettable. This episode forms part of the first week looking at how four different couples tied the knot and how one much loved character left the series.

Emma may once have been married to Will Grundy but she's walking down the aisle with his brother Ed and Will is to be best man; the bitter feud between the two brothers it seems is finally over.

This programme was originally broadcast on Friday 22nd May 2015

Ed Grundy ..... Barry Farrimond  
Neil Carter ..... Brian Hewlett  
Joe Grundy ..... Edward Kelsey  
Emma Grundy ..... Emerald O'Hanrahan  
Clarrie Grundy ..... Heather Bell  
Will Grundy ..... Philip Molloy  
Eddie Grundy ..... Trevor Harrison  
Tom Archer ..... William Troughton

Writer, Mary Cutler

Director, Sean O'Connor

**FRI 19:15 Front Row (b05vhhc8)**

Maclise Waterloo cartoon, Harpsichordist Mahan Esfahani, News From Cannes, Mark Billingham

One of the most important - and largest - drawings ever made in Britain, Daniel Maclise's 'The Meeting of Wellington and Blücher after the Battle of Waterloo', goes on show today at the Royal Armouries in Leeds. It hasn't been displayed for 40 years and has been painstakingly conserved. Front Row observed that process.

Mahan Esfahani is a virtuoso harpsichordist having something of a moment: his new album exploring the relationship between Minimalist and Baroque music, 'Time Present and Time Past', has won warm reviews, and earlier this year he was named Newcomer of the Year in the BBC Music Magazine Awards. He talks to Kirsty about the status of the instrument and how Baroque can speak to Minimalism.

Jason Solomons joins Kirsty for a final report from the Cannes Film Festival and looks ahead to which films are in the running for the big prizes being awarded this weekend.

Crime-writer Mark Billingham and British country duo My Darling Clementine discuss 'The Other Half', a CD and stage show they've created, set in a down-at-heel bar in Memphis. Billingham has written and narrates a short story of love, loss and hope, accompanied by MDC's songs of heartbreak and pain.

Presenter: Kirsty Lang

Producer: Ellie Bury.

**FRI 19:45 15 Minute Drama (b05vhh4d)**

[Repeat of broadcast at 10:45 today]

**FRI 20:00 Any Questions? (b05vhhc)**

Douglas Carswell MP, Mary Creagh MP, Lord Patten, Mark Serwotka

Jonathan Dimbleby presents political debate from the Alexander Centre in Faversham, Kent, with UKIP MP Douglas Carswell, Shadow Secretary of State for International Development Mary Creagh MP, former Conservative Party Chairman and former chairman of the BBC Trust Lord Patten and Mark Serwotka who is the Director General of the Public and Commercial Services Union.

**FRI 20:50 A Point of View (b05vhhcd)**

Politics of Hope

AL Kennedy says the election results in Scotland reflect a surge in political engagement in which people continue to feel they have the power to make a difference.

"A significant percentage of Scotland's voters on both sides of the independence question currently seem intent on reverse-engineering a democracy by beginning with hope."  
Producer: Sheila Cook.

**FRI 21:00 Archive on 4 (b02xy143)**

Writers and Radio

This is the last era of radio-age writers. Authors born in the Forties and the early Fifties grew up with radio not TV; the BBC for them was a field of sounds and voices, rather than of pictures. Susannah Clapp, of that generation, asks them what they heard and presents an archive essay talking to writers and listening, via the archive, to what they listened to and exploring the effect it had on their work.

With Richard Holmes, Andrew Motion, Alan Hollingshurst, Posy Simmonds and others. Producer: Tim Dee.

**FRI 21:58 Weather (b05v6gdj)**

The latest weather forecast.

**FRI 22:00 The World Tonight (b05vhlcg)**

Overspending by NHS trusts in England has massively worsened over the past year.

Could the increased use of agency nurses be part of the problem?

**FRI 22:45 Book at Bedtime (b05vy8cc)**

Sarah Hall - The Wolf Border

Episode 5

With the wolves bonding, the time is approaching for their release into the estate where they must mate to guarantee the success of the project.

And Rachel has a new surprise...

Sarah Hall's novel is a compelling story about personal and political borders, about power, land, family and love. At its heart is Rachel Caine, tough, untouchable, an expert on wolves, and long estranged from her home county of Cumbria and her fiery mother and lost brother. Like the wolves she protects and champions, she is wary of human connections, happy in the untamed wilderness.

Set against the dramatic and artfully drawn backdrops of the Lakeland fells, The Wolf Border explores issues of ownership and vested power, of re-wilding and of family bonds as Rachel discovers that she can choose, and change.

Reader: Hattie Morahan

Abridger: Sally Marmion

Producer: Di Speirs

First broadcast on BBC Radio 4 in May 2015.

**FRI 23:00 Great Lives (b05v7tr5)**

[Repeat of broadcast at 16:30 on Tuesday]

**FRI 23:27 Piano Pilgrimage (b03q4mlx)**

Episode 3

In the final part of his pilgrimage, Jamie finds out what the piano means to its biggest fans. Starting outside York Minster, he comes across two fellow jazz pianists whose passion keeps them coming out on to the streets to busk on a specially modified upright.

Next, Jamie heads to a retirement village in Sheffield where he performs with musicians from a charity, Lost Chord, that uses the piano to help people living with dementia.

Jamie hears from Guardian editor Alan Rusbridger about the piano playing challenge he set himself, before learning about left hand alone repertoire from one-handed pianist Nicholas McCarthy.

In Northern Ireland, Jamie meets the talented young piano players being mentored by Adele's piano player, Neil Cowley. Over a pint at Bennigan's Bar, Jamie finds out from the pub's legendary landlord Joe, how a piano turned the place into the heart of Derry's music scene. Jamie then tests the ivories for a moving final performance together with Joe and local musician Pól.

Produced by Andrea Rangecroft.

A Folded Wing production for BBC Radio 4.

**FRI 23:55 The Listening Project (b05vhlck)**

Mel and Gary - Being You Being Me

Fi Glover introduces a conversation which reveals how Gary's dyslexia can put Mel in a role she's uncomfortable with, pretending to be him in business emails... Another in the series that proves it's surprising what you hear when you listen.

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Producer: Marya Burgess.