

SATURDAY 28 NOVEMBER 2015**SAT 00:00 Midnight News (b06ppsnk)**

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

SAT 00:30 Book of the Week (b06pxysp)

Living on Paper - Letters from Iris Murdoch 1934-1995

Episode 5

Iris Murdoch and Brigid Brophy had an intimate friendship for many years, but Murdoch's letters reveal how volatile the relationship could be.

Iris Murdoch was born in Dublin in 1919 to Hughes and Rene Murdoch. While still a baby the family moved to west London. In 1938, Murdoch won a place at Somerville College, Oxford, where she read classics. After gaining her first-class degree, wartime work in the Treasury ensued before, in 1944, she joined the United Nations Relief and Rehabilitation Administration and was posted to Belgium and Austria, where she worked helping those displaced by the war.

Murdoch left UNRRA in 1946 and, after a year's postgraduate studies at Newnham College, Cambridge, was appointed as a philosophy tutor at At Anne's College, Oxford. In 1954, while still at St Anne's, Murdoch debut novel *Under The Net* was published.

In a writing career that spanned over 40 years, Murdoch published 26 novels, five books on philosophy, six plays and two books of poetry. Her novel *The Sea, The Sea* won the 1978 Booker Prize and, in 1987, she was made a Dame. She remains one of the most celebrated British novelists of the 20th century.

The music used on this programme is *Near Light* by Ólafur Arnalds

Living On Paper: Letters From Iris Murdoch 1935-1995
Editors: Avril Horner and Anne Rowe

Readers: Imogen Stubbs and Nigel Anthony

Abridger: Pete Nichols
Producer: Karen Rose
A Sweet Talk production for BBC Radio 4.

SAT 00:48 Shipping Forecast (b06ppsnm)

The latest shipping forecast.

SAT 01:00 Selection of BBC World Service Programmes (b06ppspn)

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

SAT 05:20 Shipping Forecast (b06ppsnr)

The latest shipping forecast.

SAT 05:30 News Briefing (b06ppsst)

The latest news from BBC Radio 4.

SAT 05:43 Prayer for the Day (b06py138)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

SAT 05:45 iPM (b06py13d)

'They tried to radicalise my son'

'They tried to radicalise my son.' iPM goes to Molenbeek in Brussels, dubbed the Jihadi capital of Europe, and asks if integration has failed there. Robert Peston reads Your News.

SAT 06:00 News and Papers (b06ppsnw)

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

SAT 06:04 Weather (b06ppsnv)

The latest weather forecast.

SAT 06:07 Open Country (b06pvt40)

Pendle Hill, Lancashire

Why do witches and radical pacifists haunt Pendle Hill, one of Lancashire's best known landmarks? Helen Mark hears about the witch trials of 400 years ago, and the visionary Quaker founder, George Fox - all of whom are indelibly linked to this strikingly whale-backed hill.

Producer: Mark Smalley.

SAT 06:30 Farming Today (b06q72px)

Farming Today This Week: Week on a Dairy Farm

Farming Today has spent the whole of the last week based on a dairy farm near Stroud in Gloucestershire, broadcasting from the farm every day. This programme brings together the issues explored during the week, investigating the challenges facing the dairy industry at a difficult time. We follow the journey of a pint of milk, from cow to breakfast table, and visit a dairy processing factory in Wiltshire, where 60,000 tonnes of butter are produced every year. Charlotte Smith finds out how a time of rock-bottom milk prices is affecting the people whose lives revolve around the daily ritual of running a dairy herd.

Presented by Charlotte Smith and produced by Emma Campbell.

SAT 06:57 Weather (b06ppsp0)

The latest weather forecast.

SAT 07:00 Today (b06q72pz)

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

SAT 09:00 Saturday Live (b06q72q3)

Caroline Quentin

Richard Coles and Aasmir Mir are joined by Caroline Quentin. She became a national treasure as the long suffering Dorothy on *Men Behaving Badly*, followed by lead roles in *Jonathan Creek*, *Blue Murder* and *Life of Riley*. She has presented documentary series on Cornwall and India, and *Restoration Home*. More recently she's performed at Bristol Old Vic and in the West End. She joins us ahead of a new BBC one drama Dickensian in which she stars as Mrs Bumble, where an assortment of Dickens' characters meet in a seasonal tale.

Now the colder weather has finally come it seems a good time to talk about wood, more precisely, firewood. Lars Mytting has created a best seller with his book *Norwegian Wood* which details the art of chopping, stacking, drying and burning this ancient source of heat. He joins us to share his technical know how and cultural folklore.

Listener Alistair Kean wrote to us about his experience of almost becoming a cosmonaut. He tell us how he has no regrets...

Caroline Taggart is a word obsessive who has produced 20 books on the origin and meaning of words. She joins us to talk about her latest which focuses on the evolution of words and the phenomenon of the portmanteau.

Cuban ballet dancer Carlos Acosta CBE tells us about his inheritance tracks. He chooses Ng la Banda's Echale Limon and Polo Montanez's Un Millon de Estrellas.

We have your Thank you's and our reporter Anna Bailey meets Alan Ayckbourn.

Dickensian, a drama in 20 parts for BBC1, begins over Christmas.

Norwegian Wood by Lars Mytting is out now.

New Words for Old by Caroline Taggart is out now.

Carlos Acosta returns to the London Coliseum for a limited run from 8 - 13 December 2015, with A Classical Selection, presenting highlights from Carlos' career in celebration of his 26 years as a dancer on the international stage. Alan Ayckbourn has two plays touring the UK currently: *Confusions* and *Hero's Welcome*, until 5th March 2016.

Producer: Corinna Jones

Editor: Karen Dalziel.

SAT 10:30 In Pod We Trust (b06q72q5)

The Comedy Episode

Miranda Sawyer explores the world of podcasting, rounding up some of the best spoken word audio from around the world. This week: The comedy episode.

Richard Herring discusses the freedom the medium allows comedians and ponders its impact on mainstream media. Adam Buxton reflects on his new podcast and dreams of interviewing David Bowie for it. Also featured are New Zealand comedians Tim Batt and Guy Montgomery, whose podcast *The Worst Idea of All Time* is about their experience of watching the same tedious film every week for a year. The podcast's reached cult status - but how have they managed to get through it?

Producer: Jim Frank
Researcher: Chris Pearson.

SAT 11:00 The Week in Westminster (b06q72q9)

Peter Osborne of the Daily Mail asks if MPs will back bombing so-called Islamic State in Syria. Why is Jeremy Corbyn an inspiration to some party members but not to his own MPs? And are we taking the Commonwealth for granted?

Editor: Peter Mulligan.

SAT 11:30 From Our Own Correspondent (b06ppsp2)

Brussels on Edge

Correspondents' stories. In the wake of the attacks in Paris, nearby Belgium has been portrayed as a dysfunctional place with failing state structures, a country where terrorists can go about their business unchallenged. Tim Whewell's been to Brussels to talk to some who feel alienated and abandoned by the Belgian state. Eight months of war in Yemen -- and Iona Craig has been finding out how people living in the country's third city are now relying on smugglers to bring in vital supplies. Fifty-one thousand refugees are now living in Berlin -- Chris Haslam's been hearing that for some, their problems are only just beginning. Preparations are underway for the big climate conference starting in Paris next week. Some say global warming is a problem that's just too difficult to solve. But David Shukman believes there's reason for some guarded optimism. And Juliet Rix has been to Malta, the scene of the Commonwealth heads of government meeting. The Mediterranean island long ago ceased to be a British colony but she finds some lasting affection for the old motherland although a continuing fondness for the traditional English breakfast might be doing more harm than good!

SAT 12:00 News Summary (b06ppsp4)

The latest national and international news from BBC Radio 4.

SAT 12:04 Money Box (b06n14q4)

Barclays Fined Over 'Elephant Deal'

From April 2016 buy-to-let landlords and people buying second homes will have to pay more in stamp duty. In England and Wales they will have to pay a 3% surcharge on each stamp duty band. For an average Buy-to-Let property of £184,000, buyers will need to pay £5.5k more which is an increase of 468%. Does this dampen the allure of buy-to-let?

Also in Wednesday's Autumn Statement the chancellor announced a freezing of the earnings threshold at which student loan repayments begin. Critics say this will mean student loan repayments will increase by £3,000 and hit disadvantaged students hardest. Will these changes deter young people from going to university?

Barclays bank has just been fined more than £72m by the Financial Conduct Authority for failing to properly carry out anti-money laundering and financial crime checks on a major transaction dubbed by the regulators as an 'elephant deal'. Banks have substantial responsibilities in the fight against financial crime so why did Barclays apply a lower level of due diligence than its policies require for other business relationships of a lower risk profile?

Presenter: Paul Lewis

Producer: Alex Lewis

Editor: Andrew Smith.

SAT 12:30 The Now Show (b06pxzd2)

Series 47

Episode 3

Steve Punt and Hugh Dennis are joined by Jon Holmes, Mitch Benn, Sarah Kendall, Robert Peston and Gemma Arrowsmith for a comic look at the week's news.

Written by the cast with additional material from Jane Lamcraft, Sarah Morgan, Liam Beirne and Marc Jones.

Produced by Alexandra Smith.

SAT 12:57 Weather (b06ppsp6)

The latest weather forecast.

SAT 13:00 News (b06ppsp8)

The latest news from BBC Radio 4.

SAT 13:10 Any Questions? (b06py0lm)

David Gauke MP, Bronwen Maddox, John McDonnell MP, Simon Stevens

Jonathan Dimbleby presents political debate and discussion from the Brooks Building at Manchester Metropolitan University with Financial Secretary to the Treasury David Gauke MP, the Editor of Prospect magazine Bronwen Maddox,

Shadow Chancellor of the Exchequer John McDonnell MP, and Simon Stevens the Chief Executive of NHS England.

SAT 14:00 Any Answers? (b06q72qk)
Bombing ISIS in Syria and the NHS

Have your say on the issues discussed on Any Questions? This week, listeners discussed whether the UK should bomb ISIS in Syria and the future of the NHS.

Presented by Anita Anand.
Producer Rachel Simpson
Editor Beverley Purcell.

SAT 14:30 Blood, Sex and Money by Emile Zola (b06q72qp)
Season 1 - Blood

Fury

Dide follows her great-grandson Jacques, a train driver. Jacques loves his train more than any woman he's ever met.

But Dide is aware of the terrifying, murderous desires that Jacques harbours within. The drama continues in 'Trains'.

Starring Glenda Jackson as Dide, 104 year old matriarch to a family of wolves...

Written by Martin Jameson

Dide Glenda Jackson
Jacques Will Ash
Séverine Christine Bottomley
Roubaud Sean Gallagher
Grandmorin/Lamotte Seamus O'Neill
Misard/Denizet Ian Bartholomew
Aunt Phasia Olwen May
Flore Rosie Fleeshman

Producer/Director: Pauline Harris

A Sparklab production first broadcast on BBC Radio 4 in November 2015.

SAT 15:30 Soul Music (b06pttqp)
Series 21

Mr Blue Sky

ELO's brilliantly off-beam classic, Mr Blue Sky, is explored in this week's Soul Music.

It was released as a single in 1978, having first appeared on the ELO album 'Out of the Blue' in 1977. Written by Jeff Lynne, it was a no.6 hit in the UK, and has endured on the radio airwaves ever since.

Contributing to the programme:

Tracey Collinson whose husband, Nigel, loved the track tells of the meaning it has for her.

Musicologist, Allan Moore, discusses the anomalous use of the word 'blue': usually associated with downbeat emotions, this is a peculiar subversion of that cultural norm with the word 'blue' conjuring happiness and good weather.

Tremayne Crossley and his friend, Jo Milne, tell the extraordinary story of how Jo heard music for the first time. This track played an important role in that event.

For Dr. Sam Illingworth, Mr Blue Sky will always take him back to the low-flying research-flights he made over the wetlands, greenlands and seas of the Arctic Circle with the shadow of the BAE146 plane beneath him and clear blue skies above.

The children of King's St. Albans in Worcester sang the track that features at the end of the programme.

Producer: Karen Gregor.

SAT 16:00 Woman's Hour (b06q73w2)

Weekend Woman's Hour: Jane Garvey gets a makeover. Black women and their hair, Appearance and invisibility

As part of our series looking at appearance - What's it like to feel invisible - because you are old or disabled or scarred or if you feel you are too visible - that people stare at you because you stand out? Campaigner Katie Piper, journalist Yasmin Alibhai-Brown and philosopher Dr Mahlet Zimeta discuss.

Helen Steel talks about her relationship with an undercover police officer and her reaction to an 'unreserved' apology from the Metropolitan Police Service.

Weave, cornrows, dreads, braids, natural. Reporter Ena Miller talks to a group of black women about their hair.

What happens when your appearance changes permanently because of breast cancer treatment? Joanna Franks is a Consultant Breast and Oncoplastic Surgeon at University College Hospital in London. Judith Sanitt chose to have breast reconstruction and Gilly Cant decided against it.

The Singh Twins - Amrit and Rabindra Singh, identical sisters who are two of Britain's leading contemporary artists, but prefer to be referred to as one. Their work is currently on display at the Tate Britain as part of the Artist and Empire exhibition.

Your calls to our phone-in on appearance.

It is 60 years since African American Rosa Parks refused to give up her seat in the black section of a bus to a white man. Crystal Sanders, assistant professor in history and African American studies at Penn State University talks about the other women from the movement who should be remembered.

Jane Garvey travels to a Liverpool salon for a makeover.

Producer: Dianne McGregor.

SAT 17:00 PM (b06q73w4)
Saturday PM

Full coverage of the day's news.

SAT 17:30 IPM (b06py13d)
[Repeat of broadcast at 05:45 today]

SAT 17:54 Shipping Forecast (b06ppspb)
The latest shipping forecast.

SAT 17:57 Weather (b06ppspd)
The latest weather forecast.

SAT 18:00 Six O'Clock News (b06ppspg)
Shapps resigns amid claims he failed to act on alleged bullying within Tory youth wing

SAT 18:15 Loose Ends (b06q75jf)
Clive Anderson, Sara Cox, Priscilla Presley, Dara O'Briain, Neil Innes, Gary Kemp, John Grant, Aidan Knight

Clive Anderson and Sara Cox are joined by Priscilla Presley, Gary Kemp, Dara O'Briain and Neil Innes for an eclectic mix of conversation, music and comedy. With music from John Grant and Aidan Knight.

Producer: Sukey Firth.

SAT 19:02 Profile (b06q9xyc)
Mark Clarke

Mark Clarke was once a rising star in the Conservative Party. He was a prominent figure who started and led 'RoadTrip2015', a project to bus young Conservatives into marginal seats to campaign door-to-door. Clarke was dubbed the 'Tatler Tory' after the magazine tipped him as a future minister. But he was recently expelled from the party following lurid allegations of blackmail and bullying, and the tragic suicide of one fellow activist.

Presenter: Mark Coles
Producer: Sonia Rothwell.

SAT 19:15 Saturday Review (b06ppspj)
Bridge of Spies, Carol, Little Eyolf, Michael Craig-Martin, Kenzaburo Oe

Spielberg's latest film, Bridge of Spies, features Tom Hanks as a lawyer in 1950s America, hired to defend a Soviet spy. Does that combination of actor and director guarantee a great film? Todd Haynes' has adapted a Patricia Highsmith novel for Carol. Cate Blanchett plays a woman trapped in a loveless marriage of convenience who falls in love with a shop girl Rooney Mara. Complications ensue.

Richard Eyre directs Ibsen's Little Eyolf at London's Almeida Theatre - difficult play dealing with marriage and grief. A retrospective exhibition of more than 30 years of the work of Irish artist Michael Craig-Martin has opened at The Serpentine Gallery.

Nobel Winnner Kenzaburo Oe's latest novel is Death by Water; a leisurely tale about family crises and family legends

Tom Sutcliffe's guests are Joe Dunthorne, Damian Barr and

Susannah Clapp. The producer is Oliver Jones.

SAT 20:00 Archive on 4 (b06q9xyh)
Lives in a Landscape

In 2005, Radio 4 broadcast the first in a series of observational documentaries about contemporary Britain. It was called Lives in a Landscape. It would focus on stories of individuals facing challenges, excitements and big changes in their lives, and those of their families and communities.

Using the programme's archive, Alan Dein looks at what's changed - and changing - about Britain's social and physical landscape, from the lonely, depopulating island of Canna in Scotland, to the Cornish village that was about to be sold, lock, stock and barrel.

The first ever Lives featured two very different sets of people: on one hand was Brian, ex-miner from Barnsley turned ratcatcher; on the other, a group of wealthy Londoners who'd met Brian on a Countryside Alliance march. They would go ratting together, they promised each other. And so they did; but what emerged were revelations that had nothing to do with long-tailed rodents.

From the wealthy suburb of Clapham, just a few months before the financial crash, to the Hackney riots of 2011, Lives in a Landscape has observed changes on the streets of the capital. It's tracked the controversial installation of wind turbines in a Welsh beauty spot, the passionate pigeon-racers of inner-city Edinburgh and the fortunes of a Zimbabwean refugee musician trying to rebuild his formerly starry career in downtown Belfast. Other enthusiastic performers include the teenage schoolboy band Socio from Grimsby who face an uncertain future as the close friends prepare for their grown-up lives, and the Bath pub-crooner whose livelihood is threatened by heart disease...

Alan Dein sets out to explore ten years of change as charted by one hundred editions of Lives in a Landscape.

Producer: Simon Elmes

First broadcast on BBC Radio 4 in 2015.

SAT 21:00 Blood, Sex and Money by Emile Zola (b06pschk)
Season 1 - Blood

Fire

An epic 24 hours of drama inspired by the works of literature's greatest whistle blower, Emile Zola.

Passion, in every sense, is the theme of this episode, dramatised by Dan Rebellato.

Glenda Jackson stars as Dide, 104 years old, the matriarch to a family of wolves - the Rougon-Macquarts.

She is trapped in her small room in the local asylum in Plassans, southern France. Trapped, but omniscient as she broods over her extended family. As a young woman, she gave birth to two dynasties that exemplified French society. One legitimate - rich, powerful, obsessive and corrupt. The other illegitimate - poor, vulnerable, weak and depraved.

France is on the brink of a new empire. Dide's family is a turbulent mix of the good, the bad and the misguided. This episode, Fire, focuses on François and Martha who are happily married, living a quiet, bourgeois life. Abbé Faujas, a charismatic, sinister priest, arrives on their doorstep and announces he has come to live in their spare room. Black comedy and tension ensue as his scheming drives a wedge between the couple, uncovering the darker side of this sleepy provincial town.

Dide Glenda Jackson
François Sam Troughton
Martha Carla Henry
Abbé Faujas David Annen
Rose / Mme Condomin and other society ladies Ursula Holden Gill
Dr Porquier / The Warder Chris Jack

Sound Design: Eloise Whitmore

Producer/Director: Polly Thomas
Executive Producer: Melanie Harris
Series Producer: Susan Roberts

A Sparklab production first broadcast on BBC Radio 4 in November 2015.

SAT 22:00 News and Weather (b06ppspj)

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

SAT 22:15 Moral Maze (b06pxm49)

Just War and Syria

The Prime Minister, David Cameron, will make his case for bombing ISIL in Syria this week. Some commentators are predicting that, if parliament votes in favour, the raids could start as early as next week. This will mean our going into a coalition not only with France and America but also with Russia - a country that has been a long-standing ally of the Syrian leader President Assad, the man whom we wanted to bomb only two years ago. The adage "my enemy's enemy is my friend" dates back at least to the 4th century BC. It might be harsh to say that we're basing our foreign policy on an ancient proverb from a Sanskrit treatise on statecraft, but it's hard to avoid the parallels. Is it, though, a moral justification for going to war? On the Moral Maze this week we discuss what is meant by the phrase "just war" and the morality of pacifism. Has the pacifist case been heard enough? Chaired by Michael Buerk with Claire Fox, Giles Fraser, Michael Portillo and Melanie Phillips. Witnesses are Dr Alexander Moseley, Richard Norman, Helen Drewery and Richard Streatfield.

SAT 23:00 Round Britain Quiz (b06ptddb)

Programme 6, 2015

(6/12)

With victories already under their belt in the early contests of the series, both Wales and The Midlands will be aiming to add to their tally as they clash for the first time this season.

David Edwards and Myfanwy Alexander play for Wales, opposite Rosalind Miles and Stephen Maddock of the Midlands team. The competition promises to be keen, and the teams will have to trawl all of their arcane knowledge to deal with Tom Sutcliffe's puzzles, which include: 'Some unfortunate ancient women, a defunct City bank and a very shy pianist appear to have collaborated on Onward Christian Soldiers - how?'

As always, Tom will be deducting points for every intervention he has to make to nudge them towards the solution. He'll also be revealing the answer to the teaser puzzle he set last time, and providing a new one to keep you guessing for a further week.

Producer: Paul Bajoria.

SAT 23:30 Particle Poets and Molecular Metaphors (b06psfzb)

Anna McNamee explores "quantum poetics" and reveals that poets and scientists have more than a language in common.

From Einstein's theory of molecular relativity to the hunt for the Higgs Boson, atomic science has influenced poetry more than any other social, economic or political force over the last century. With the help of the former Welsh laureate, Gwyneth Lewis, Professor Peter Middleton, poet Gitte Broeng, Nobel physicist Murray Gell-Man, and Thomas Otto from CERN, and examples of poems by James Joyce, Arthur Sze and David Ignatow, Anna McNamee explores the strong connections between physics and poetry.

SUNDAY 29 NOVEMBER 2015**SUN 00:00 Midnight News (b06qv8bg)**

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

SUN 00:30 Comic Fringes (b039dbk4)

Series 9

I Bought a Monkey to Stand Out in the New York Art Scene

Story series featuring new writing by leading comedians, recorded live in front of an audience at this year's Edinburgh Festival Fringe.

A man goes to great lengths to put his hometown of Bishopbriggs on the map. The title says all. Brilliantly absurd story written and read by actor, writer and comedian Sanjeev Kohli.

Produced by Kirsteen Cameron.

SUN 00:48 Shipping Forecast (b06s0vqh)

The latest shipping forecast.

SUN 01:00 Selection of BBC World Service Programmes (b06s0y1x)

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

SUN 05:20 Shipping Forecast (b06s10bd)

The latest shipping forecast.

SUN 05:30 News Briefing (b06s10bg)

The latest news from BBC Radio 4.

SUN 05:43 Bells on Sunday (b06gg0nd)

Church bells from Crediton Parish Church, Devon.

SUN 05:45 Profile (b06q9xyc)

[Repeat of broadcast at 19:02 on Saturday]

SUN 06:00 News Headlines (b06s10bj)

The latest national and international news.

SUN 06:05 Something Understood (b06gg0ng)

The Court of Public Opinion

Mark Tully examines the rise in influence of the court of public opinion in the era of social media.

In the company of the journalist and ex Editor of the Guardian Alan Rusbridger, he discusses the growing power of public opinion and its future potential for good and for ill.

There are readings from writers including the American security specialist Bruce Schneier and poets John Dryden and Brian Patten, with music from J.S. Bach, the Cambodian musician Sinn Sissamouth and gospel singer Gwen Macrae.

A Unique Broadcasting Company production for BBC Radio 4

SUN 06:35 On Your Farm (b06gg0nj)

Bath City Farm

Bath City Farm is celebrating twenty years of bringing the countryside into the heart of the Georgian City. Sarah Swadling meets the workers, volunteers and animals that give city children a taste of rural life.

Producer: Sarah Swadling.

SUN 06:57 Weather (b06s10kk)

The latest weather forecast.

SUN 07:00 News and Papers (b06s10km)

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

SUN 07:10 Sunday (b06gg0nl)

God and Mr Churchill, COP21 and the critics of Operation Christmas Child.

It's become as much a ritual as putting out sherry and mince pies for Santa. Every year thousands of school pupils up and down the country fill shoe boxes with Christmas gifts for needy children overseas. But, as Trevor Barnes discovers, questions have been raised about the agenda and ethos of the organisation, Samaritans Purse, behind this philanthropic endeavour.

The Rev Val Bexton set off on foot for Paris a fortnight ago with a group of Christian campaigners concerned about climate change. Within hours they learned of the terrorist attacks and the city they arrived in this weekend was a far more sober one than they had anticipated. She sends us her audio diary. Meanwhile Christoph Nuttall, director of the R20 Regions of Climate Action, set up by Arnold Schwarzenegger, tells Sunday what he thinks can and cannot be achieved at COP21.

The Pope's trip to Africa draws to a close with a visit to a mosque in the troubled Central African Republic. The BBC's Religious Affairs correspondent Caroline Wyatt is with him.

Churchill historians have tended to paint a picture of the Wartime Leader as an agnostic, even atheist. A new book written by his great grandson and a former White House aide tells a different story.

Producers: Rosie Dawson
Zaffar Iqbal

Series Producer: Amanda Hancox.

SUN 07:54 Radio 4 Appeal (b06gg0nn)

Royal Hospital for Neuro-disability

Michael Ball presents The Radio 4 Appeal on behalf of the Royal Hospital for Neuro-disability
Registered Charity No 205907

To Give:

- Freephone 0800 404 8144

- Freepost BBC Radio 4 Appeal, mark the back of the envelope 'R H N'.

- Cheques should be made payable to 'R H N'.

SUN 07:57 Weather (b06s10kp)

The latest weather forecast.

SUN 08:00 News and Papers (b06s10kr)

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

SUN 08:10 Sunday Worship (b06gg0tx)

Seeing the Glory

The first in an Advent series, 'Learning to See', on the eve of St Andrew's Day.

Live from Glasgow Cathedral.

Preacher: The Revd Laurence Whitley

Anthems: Hosanna to the Son of David (Weekes)

Prepare Ye The Way of the Lord (Wise)

Round from the Wode (St Andrew) Psalter

With the Cathedral Choir directed by Andrew Forbes.

Organist: Malcolm Sim

Producer: Mo McCullough.

SUN 08:48 A Point of View (b06py0lp)

From Pot to Profit

Sarah Dunant welcomes Canada's plans to fully legalise marijuana and sees the benefits of a booming cannabis products industry in the American states where it's already legal.

"It costs society too much, in all senses, to criminalise so many people - and disproportionately young black or Latino men - for doing something, which legalised could create jobs and help balance the budget."

Producer: Sheila Cook.

SUN 08:58 Tweet of the Day (b04mlvvg)

Rhinoceros Auklet

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Chris Packham presents the rhinoceros auklet found around the North American western seaboard. Rhinoceros auklets are auks. They look very different to their relatives the puffins or guillemots. They're dark grey-ish brown birds, and in the breeding season both male and female have flowing white plumes above their eyes and behind their orange bills. It is the white vertical plate at the base of its bill which has inspired the birds' common names of "horn-billed puffins" or "unicorn puffins". This horn is only grown in the breeding season; the birds shed it in autumn when they head out to sea. Rhinoceros auklets in burrows or cavities in grassy places or on forest floors: most colonies are small, but some contain a hundred thousand birds which produce a soothing chorus of moaning and grunting sounds, strange to hear in the blackness of a coastal wood.

SUN 09:00 Broadcasting House (b06s10kt)

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

SUN 10:00 The Archers Omnibus (b06gg1lq)

Please see daily episodes for a detailed synopsis.

SUN 11:15 Desert Island Discs (b06gg1ls)

Sandi Toksvig

Kirsty Young's castaway this week is Sandi Toksvig.

Host of BBC Radio 4's News Quiz until June 2015, she is also a writer and comedian and recently entered the world of politics, helping to found the Women's Equality Party.

Her parents were both broadcasters: her mother worked as a studio manager and announcer before she married, her Danish father's job as a foreign correspondent took the family around the world. Sandi and her siblings spent much of their childhood in the United States and when she was "asked to leave" yet another American school, her parents sent her to boarding school in England. She soon decided to lose her strong American accent and went on to Cambridge, where she performed in the Footlights.

In addition to writing, her most recent acting role was in Call the Midwife and she continues to appear regularly on TV and radio shows as a panelist: she is to start as the next host of QI, taking over from Stephen Fry. She's also Chancellor of

Portsmouth University.

SUN 12:00 News Summary (b06s10kw)

The latest national and international news from BBC Radio 4.

SUN 12:04 Just a Minute (b0670gmc)

Series 73

Episode 8

Paul Merton, Gyles Brandreth, Susan Calman and Tom Allen find out just how hard it can be to talk for 60 seconds with no hesitation, repetition & deviation in this special episode recorded at the Edinburgh Festival.

SUN 12:32 The Food Programme (b06qg1lv)

Cookbooks of 2015

Sheila Dillon and guests reflect on a year of cookery and food books.

Sheila is joined in the studio by Bee Wilson, historian and food writer who's about to publish *First Bite: How We Learn to Eat*, journalist and food writer Alex Renton, and Features Editor at trade magazine *The Bookseller*, Tom Tivnan.

Tim Hayward meets chef Magnus Nilsson - who has just completed a nearly 800-page work called *The Nordic Cook Book*, the result of an almost Herculean effort to tell the food stories of a vast region.

Sharing some of their standout books of the year are Xanthe Clay, Joanna Blythman, Gillian Carter and Diana Henry.

Presenter: Sheila Dillon

Producer: Rich Ward.

SUN 12:57 Weather (b06s10ky)

The latest weather forecast.

SUN 13:00 The World This Weekend (b06qg1lx)

Global news and analysis, presented by Mark Maddell.

SUN 13:30 Hardeep's Sunday Lunch (b06qg1lz)

Series 4

Dartmoor Hill Ponies

In this last episode in the series Hardeep travels to Dartmoor for a taste of the iconic ponies that roam the moor. He meets the woman who's made it her life's mission to protect these semi wild ponies whose genes have been shaped by the harsh landscape in which they survive. Dartmoor hill ponies are wonderfully adapted to their environment, surviving by crushing the gorse with their feet so it can be eaten. It was said you could tell where you were on Dartmoor by the colour of the coats of the ponies around you, which was easy just over a hundred years ago when there were thirty thousand ponies on the moor. This rugged pony flourished for centuries because they could also be used for agricultural work. As farming has become mechanised the numbers of ponies have dwindled and today a little over one thousand remain. The presence of ponies on the moor helps maintain biodiversity and accessibility for visitors like Hardeep to enjoy. Now some conservationists have come up with a radical and controversial plan to save Dartmoor's hill ponies. Hardeep is cooking lunch for Charlotte Faulkner who lives on a farm in an ancient Dartmoor longhouse. Charlotte is worried that without intervention the Dartmoor hill ponies will disappear altogether. She has begun developing a range of pony meat called 'Taffety'. It is organic, low in fat and high in omega 3. Charlotte says it's delicious and by putting pony on the menu, she is hoping to give more value to the lives of animals otherwise destined for the slaughterhouse and she hopes it will help make the maintenance of herds viable again for farmers. But her plans have split her family.

Producer: Phil Pegum.

SUN 14:00 Gardeners' Question Time (b06pxzdx)

Louth

Peter Gibbs hosts the horticultural panel programme from Louth in Lincolnshire

Matthew Wilson, Bunny Guinness and Bob Flowerdew are on the panel and answer questions about artificial grass, tree peonies, thyme, and winter flowers.

Also, Pippa Greenwood visits the legendary horticulturalist Roy Lancaster in his garden at home, and Bob Flowerdew comprehensively covers everything you need to know about potatoes.

Produced by Howard Shannon

Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

SUN 14:45 The Listening Project (b06qgp5h)

Sunday Omnibus: Letting Go

Fi Glover introduces conversations about friendship between former opposing extremists, the church rising above differences in belief, and letting go of a loved one. All in the 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

Producer: Marya Burgess.

SUN 15:00 Blood, Sex and Money by Emile Zola (b06qgp5k)

Season 1 - Blood

Trains

Jacques has finally fallen in love but his murderous desires resurface, with terrible consequences.

Glenda Jackson stars as Dide, 104 years old, the matriarch to a family of wolves - the Rougon-Macquarts - in this final drama of the series.

Dramatised by Dan Rebellato, inspired by literature's greatest whistle blower - Emile Zola.

As society changes around her, Dide is still trapped in her small room in the local asylum, but omniscient when it comes to her extended family. As a young woman, she gave birth to two dynasties that exemplified French society. One legitimate - rich, powerful, obsessive and corrupt. The other illegitimate - poor, vulnerable, weak and depraved.

France is on the brink of a new Empire. Her family is a turbulent mix of the good, the bad and the misguided.

The brand new railway system was a powerful force. Dide's great-grandson Jacques, a train driver, has fallen in love with Sevrine, the first time a woman has come close to challenging his love of trains. As her marriage collapses under the weight of the murderous secret she and her husband share, she seeks her freedom to be with her new love. The pressure on Jacques becomes unbearable.

Dide.....Glenda Jackson
Jacques.....William Ash
Sevrine.....Christine Bottomley
Roubaud.....Sean Gallagher
Pecquex.....Tachia Newell
Sound Design: Eloise Whitmore

Producer/Director: Polly Thomas
Executive Producer: Melanie Harris
Series Producer: Susan Roberts

A Sparklab production first broadcast on BBC Radio 4 in November 2015.

SUN 16:00 Open Book (b06qgp5m)

Diana Athill on Alive, Alive Oh!

Diana Athill, who was born in 1917, had a long and successful career in publishing before turning her hand to writing herself. As she publishes a new book of essays at the age of 97 she talks to Mariella about the moments in her life she remembers and treasures, the continuing importance of reading for her and the pleasures of being pushed in a wheelchair.

Also on the programme, thriller writer Lee Child and Dr Andy Martin from Cambridge University talk about the time they spent together as Lee Child wrote his latest Reacher novel - an experience which Andy Martin has now turned into a book. Hisham Matar discusses a forgotten Italian prize winner, just translated into English, which chronicles early 20th century Libya and we hear from three aspiring novelists attempting to

complete a book in a month.

SUN 16:30 Lynn Hill: Twenty-First Century War Poet (b06qgp5p)

In recent years, the US Air Force has been training more drone operators than aircraft pilots. BBC Radio 4 gets inside the mind of poet Lynn Hill, Air Force veteran and former drone operator whose poetry opens up the alien soul of 21st century warfare.

Lynn Hill was an active participant in both Iraq and Afghanistan. She played a pivotal role in operations, but hasn't set foot in either country. She spent much of her military career flying Predator drones, gathering intelligence and firing missiles remotely some 12,000 miles away - from a central station in Las Vegas.

Hill started her military career as an intelligence analyst. But when she transitioned to the Predator Operations Unit, her idea of what the military was started to change.

She became an operator, directly involved in missions, confronted with banks of screens showing live footage of Iraq. During her lunch break she'd nip out for a sandwich, then return to fight in Afghanistan. At the end of the day, she'd get into her car and go home.

Her brilliant poetry talks of the difficult task of separating her real life from her war life. About hate and insanity, violence and nihilism. About dreams and being involved in war via a screen. About seeing yourself in the third person. About some of the very serious problems faced by her 21st century war colleagues - divorce, alcohol, psychiatric illness, crises of identity.

This is another world - a world drowning in radio chatter and computer noises, a hermetically-sealed dome of virtual warfare. The sound of Hill's spare, personal, razor-sharp poetry illustrates life for her and other young women who've played this uniquely modern combat role.

Produced by Andrew Wilkie
A PRA production for BBC Radio 4.

SUN 17:00 From Syria to Yorkshire (b06ptym0)

Under the UK government's Vulnerable Persons Relocation Scheme over 200 Syrians - all judged to be particularly at risk - were taken from refugee camps in the Middle East and re-housed in Britain, many of them in Bradford. This summer, as the migration crisis became ever-more acute, the government agreed to help many more Syrians. Owen Bennett-Jones travels to Bradford to meet some of those who were first brought to Britain under the scheme. Their remarkable stories paint a vivid picture of war-torn Syria - and tell us a great deal about the UK too.

Image: Syrian refugees settling in Yorkshire, Ayham and Mohammed attend an archetypically British event - Remembrance Sunday in Bradford. They didn't know about it beforehand but when it was explained that this was a service to remember those killed in war, they wanted to come and felt the relevance to their own lives. But did the other people attending want them there?

Producer: Nina Robinson
Editor: Richard Knight

SUN 17:40 Profile (b06q9xyc)

[Repeat of broadcast at 19:02 on Saturday]

SUN 17:54 Shipping Forecast (b06s1010)

The latest shipping forecast.

SUN 17:57 Weather (b06s125r)

The latest weather forecast.

SUN 18:00 Six O'Clock News (b06s1014)

Labour is deciding whether to impose a whip on MPs in any vote on bombing Syria.

SUN 18:15 Pick of the Week (b06qh4vv)

Mary Anne Hobbs

Mary Anne Hobbs chooses her BBC Radio highlights from the past week.

This week we explore happiness and blue skies; a woman hears music for the very first time; the Belgian public enjoy the delights of the city in spite of high security alerts and singer-songwriter Patti Smith and artist Grayson Perry bring joy to The Verb.

What kind of licence are girls given to break the rules? Sheila

Hancock has some strong views to share. Alan Bennett brings alive the story of Alice In Wonderland, and there are bells, tweets and jazz in the mix too...

Produced by Stephen Garner.

SUN 19:00 The Archers (b06qh4vx)

Helen insists she feels fine, but Rob gets her to rest in bed and allow Pat and Tony some time with Henry. Rob tells Helen about Jennifer's revelation to him regarding Adam's fling, and advises Helen to steer clear of Adam and Ian's wedding.

Eddie asks Rob for a bit of money he's owed, explaining that he went round but Helen couldn't find her chequebook. Eddie also shares his embarrassment at seeing Susan undressed for her Calendar Girls photo shoot. Rob gives Eddie cash and later at home finds the chequebook in a drawer - insisting to a baffled Helen that it was there all the time.

David has had a brief phone chat with Ruth in New Zealand, who's naturally tired. Pip tries to encourage David to play in Toby and Rex's 'Feathers will Fly' rugby event - Pip's keen. But David later catches his arm in the cattle crush and is badly injured - Pip takes him straight to hospital. He's going to be out of action for several weeks. They agree not to tell Ruth and worry her, and also to get a contract milker in. Pip will need to move out of Rickyard Cottage.

SUN 19:15 Trodd en Bratt Say 'Well Done You' (b06qh4vz)
Series 2

Episode 2

Discover what vogueish new venture Huxley and Gulliver have got themselves wrapped up in, meet the busiest ladies in town and, direct from Paris, a rare appearance by The Centipede Sisters.

A fun packed second series from comedy duo Lucy Trodd and Ruth Bratt. Sketches and songs from a whole range of fresh characters, with the occasional appearance from some old favourites.

Performers:

Lucy Trodd
Ruth Bratt
Adam Meggido
Oliver Senton

Written by: Ruth Bratt and Lucy Trodd
Script Editor: Jon Hunter
Original music: Duncan Walsh Atkins

Producer: Steve Doherty
A Lucky Giant production for BBC Radio 4 first broadcast in 2015.

SUN 19:45 Natural Histories: Short Stories (b06qh4w1)
Series 1

Dodo Diary

Meg Rosoff, author of How I Live Now, reads her specially commissioned short story inspired by a visit to the Natural History Museum. She imagines that the Museum has used extracted DNA from its dodo skeletons to make a brand new living breathing dodo, which a kindly volunteer takes home to stay in a suburban semi in Wembley... Producer Beth O'Dea.

SUN 20:00 Feedback (b06pz1yz)

Local Radio controversy, BBC World Service funding, New comedy double act The Pin

Roger Bolton airs audience views on BBC radio output, including a controversy in local radio, new funding for the World Service, and the fresh comedy duo The Pin.

Earlier this month, presenter Iain Lee hosted a controversial discussion about Christianity and LGBT rights on his BBC Three Counties radio breakfast show. The heated interviews divided listeners and Iain Lee has now left the station. Campaigns across social media, led by fans and LGBT rights groups, have since demanded Iain Lee's reinstatement, but to what extent should a BBC presenter be allowed to take sides in a debate?

The Government has announced that it will provide the BBC World Service with an additional £85 million a year, as part of the National Security Strategy and Strategic Defence and Security Review. In the review, the World Service is cited as a way to expand UK 'soft power' and will be required to spend the money expanding services in key global regions. While this additional funding is welcomed by many World Service listeners, others question whether the BBC is becoming an arm of British foreign policy.

After ten years on air, Radio 4's Lives in a Landscape is coming to an end. Roger Bolton speaks to the Presenter Alan Dein to look back a decade of remarkable stories told by seemingly everyday people.

And BBC Radio has been home to a long line of comedy double acts, from Morecambe and Wise to Mitchell and Webb. Following in that tradition is a new comedy duo called The Pin. Their debut Radio 4 series has just drawn to a close and was enjoyed by many listeners. Roger Bolton speaks to The Pin, aka Ben Ashenden and Alexander Owen, to talk double acts and radio influences.

Producer: Katherine Godfrey
A Whistledown production for BBC Radio 4.

SUN 20:30 Last Word (b06pz1yx)

Peter Dimmock, Alix d'Unienville, Yolanda Sonnabend, Maggie Eales and George Barris

Matthew Bannister on

TV pioneer Peter Dimmock. An accomplished presenter and also a BBC executive, he directed the coverage of the Queen's coronation in 1953.

Also SOE agent Alix d'Unienville. In the days before D Day she was parachuted into occupied France with a suitcase containing forty million francs.

Yolanda Sonnabend who designed some of the UK's best loved ballets

Maggie Eales who rose from the secretarial pool at ITN to become the company's Foreign Editor. Jon Snow pays tribute.

And George Barris who created some of the most exotic vehicles in TV and film, including the Batmobile, the Munsters' Koach and the intelligent car in Knight Rider.

SUN 21:00 Money Box (b06n14q4)

[Repeat of broadcast at 12:04 on Saturday]

SUN 21:26 Radio 4 Appeal (b06qg0nn)

[Repeat of broadcast at 07:54 today]

SUN 21:30 In Business (b06pxt4c)

Can Internet Shopping Transform Rural China?

In some areas of rural China, traditional farming communities are transforming into something very 21st Century: internet shopping hubs.

Leading the way is the village of Qing Yan Liu where, four hours south of Shanghai, local residents have created a world of bubble wrap and sticky tape.

In the eyes of the Chinese Premier Xi Jinping this could be the future of rural China. He hopes that more and more small communities will copy what's happened in Qing Yan Liu - now dubbed 'China's No. 1 E-Commerce village'. It's hoped this will halt the flow of young people from rural China to the nation's cities, as they go in search of employment.

Turning more small towns and villages into online shopping hubs would provide much needed jobs, and a reason for young people to stay at home, ensuring communities continue to survive rather than disappear.

Producer: Charlotte Pritchard.

SUN 22:00 Westminster Hour (b06s1016)

Weekly political discussion and analysis with MPs, experts and commentators.

SUN 22:45 What the Papers Say (b06qh4w3)

Agnès Poirier of Marianne analyses how the newspapers are covering the biggest stories.

SUN 23:00 The Moth Radio Hour (b06r02j9)

Series 1

Gang Initiations, My Way and the KKK

True stories told live in the USA: Catherine Burns introduces tales about caring, confrontation and comedic calamity.

The Moth is an acclaimed not-for-profit organisation dedicated to the art and craft of storytelling based in the USA. Since 1997, it has celebrated both the raconteur and the storytelling novice, who has lived through something extraordinary and years to share it. Originally formed by the writer George

Dawes Green as an intimate gathering of friends on a porch in Georgia (where moths would flutter in through a hole in the screen), and then recreated in a New York City living room. The Moth quickly grew to produce immensely popular events at theatres and clubs around New York City and later around the USA, the UK and other parts of the world.

The Moth has presented more than 15,000 stories, told live and without notes, to standing-room-only crowds worldwide. The Moth podcast is downloaded over 27 million times a year.

Featuring true stories told live on stage without scripts, from the humorous to the heart-breaking.

The Moth Radio Hour is produced by Jay Allison and Atlantic Public Media in Woods Hole, Massachusetts and is distributed by the Public Radio Exchange.

SUN 23:50 A Point of View (b06py0lp)

[Repeat of broadcast at 08:48 today]

MONDAY 30 NOVEMBER 2015

MON 00:00 Midnight News (b06qv8bl)

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

MON 00:15 Thinking Allowed (b06pv1g6)

Frauds of the Left, Siblings

'Frauds' of the Left: Laurie Taylor examines the intellectual credibility of key thinkers of the New Left. Roger Scruton, Visiting Professor of Philosophy at the University of Oxford, argues that the modern academy is gripped by a form of 'group think' which fails to challenge the positions of theorists such as Michel Foucault and Antonio Gramsci. Has left wing fashion trumped credible argument? They're joined by Mark Fisher, Lecturer in Visual Culture at Goldsmiths, University of London.

Also, the significance of siblings in constructing a sense of self. Katherine Davies, Lecturer in Sociology at the University of Sheffield, discusses a study which suggests that the stories people tell about their similarity, or difference, from siblings have a critical role in shaping past, present and future identities.

Producer: Jayne Egerton.

MON 00:45 Bells on Sunday (b06qg0nd)

[Repeat of broadcast at 05:43 on Sunday]

MON 00:48 Shipping Forecast (b06qv8cr)

The latest shipping forecast.

MON 01:00 Selection of BBC World Service Programmes (b06qv8ct)

BBC Radio 4 joins the BBC World Service.

MON 05:20 Shipping Forecast (b06qv8cw)

The latest shipping forecast.

MON 05:30 News Briefing (b06qv8cy)

The latest news from BBC Radio 4.

MON 05:43 Prayer for the Day (b06rfg3t)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

MON 05:45 Farming Today (b06qhdp8)

Climate Change Talks and Agriculture

Farmers in Ireland are angry over a two million Euro pay-off for the Irish Farmers Association's general secretary. Pat Smith was forced to resign in a row over his salary, but it then emerged that the large remuneration had been agreed by the union's president Eddie Downey, who's also since stepped down. The IFA is now challenging the legality of the payment. We also look ahead to the climate talks in Paris. Presented by Anna Hill and produced by Sally Challoner.

MON 05:56 Weather (b06qv8d0)

The latest weather forecast for farmers.

MON 05:58 Tweet of the Day (b04t0m9x)

Laughing Kookaburra

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Sir David Attenborough presents Australia's laughing kookaburra. At 45cm the laughing kookaburra is one of the world's largest kingfishers. Native to south and eastern Australia, they have now been introduced to Western Australia and parts of New Zealand. Although they do catch fish, they hunt mainly on land where they eat reptiles, small mammals and invertebrates. The cacophony of loud hooting laughs from which they get their Aboriginal name, is often produced by several birds in chorus. The cackling call is one of the few exotic bird sounds that is recognised around the world: a captive kookaburra named Jacko became a radio celebrity in Australia through his ability to break into that laughing call on demand. By the time of his death in 1939 he was one of the best known birds in the world.

MON 06:00 Today (b06qhlh)

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

MON 09:00 Start the Week (b06qhlhv)

Augustine, Desire, Doing good

On Start the Week Andrew Marr explores goodness and its uneasy relationship with pleasure. The historian Robin Lane Fox looks to the work of Augustine and what is thought to be the first autobiography detailing the sinful excitement of youth before his anguished and hesitant conversion to Christianity. The philosopher Clare Carlisle explores Augustine's views on the link between desire and habit, while the psychoanalyst Adam Phillips asks why pleasure is more highly prized when it's perceived to be forbidden and guilty. Larissa MacFarquhar looks at the lives of those who have dedicated themselves to others and asks why do-gooders provoke deep suspicion in Western culture.

Producer: Katy Hickman.

MON 09:45 Book of the Week (b06qhlhx)

Railways - Nation, Network and People

Episode 1

A magnificent account of Britain's railways and how track and carriage united a nation.

This series of readings includes an exploration of many aspects of the railway revolution, such as the challenges of 'railway time', the nuances of first, second and third class, the difficulties of lighting and heating, passenger comfort, what to eat when travelling and the history of refreshment stops and the commercial opportunities they brought - including the establishment of W.H.Smith and Son, who became the nation's first high street bookstore. Architecture and engineering are also covered, alongside the impact on social classes and gender.

Passengers may have a love-hate relationship with our railways, but few of us know much about the journey taken to get to where we are now.

"Simon Bradley's The Railways is magisterial. It's both authoritative and absorbing. A first class journey." Michael Palin

Episode 1: The coming of the trains shunted our vocabulary onto new tracks, and also did some odd things to time.

Reader: Stephen Tompkinson

Abridged and produced by Jill Waters

A Waters Company production for BBC Radio 4.

MON 10:00 Woman's Hour (b06qhlhz)

Listener Week, Albinism, Steampunk

For the first of our listener week programmes we hear the experiences of three women with albinism, an inherited condition that affects the production of melanin, the pigment that colours the skin, hair and eyes. Sarah Ballard, Louise Taylor and Sara Krishan - all at very different stages in their lives - discuss what this genetic condition has meant to the way they live and to those around them.

Meet Jema Hewitt, freelance costume designer and craft writer, with a passion for steampunk - a subculture inspired by sci-fi. Her alter-ego Emilly Ladybird joins Jane to discuss the appeal of a parallel universe with its origins in the Victorian era and the recipes inspired by it.

We join listener Rushka Gray in her studio where she uses Victorian machinery to create contemporary art as part of her MA in Printmaking at Glasgow School of Art.

Carol Fox discusses the decision she made to have a child using donor sperm and her now adult daughter's hope to discover her

father and half-siblings.

Presenter: Jane Garvey

Producer: Anne Peacock.

MON 10:45 15 Minute Drama (b06qhlj1)

Greater Love

Episode 1

The true story of the Derbyshire village of Eyam during The Plague of 1665-66 in which characters and their values change as tragedy unfolds, as all the villagers effectively agree to stay in the village in order for the Plague not to spread.

A new young Rector battles for authority with the puritanical former rector. William announces the betrothal of Emmy and Rowland but then he and Stanley are called to tend to a sick villager who dies before they arrive. Stanley identifies plague from experience. William, shocked, fails to anoint the tailor. Stanley suspects the cause is cloth brought from London. It must be burnt and a quick burial to keep secrecy, prevent panic.

Written by Don Shaw.

William Al Weaver
Catherine Emily Pithon
Thomas Stanley David Calder
Emmy Sydall Charlie May-Clark
Rowland Gerard Kearns
Alice Sydall Daryl Fishwick
Mary Cooper Melissa Sinden

Producer: Pauline Harris

First broadcast on BBC Radio 4 in November 2015.

MON 11:00 The Incubator (b06qhlj3)

Clare Jenkins presents a personal insight into the world of premature babies.

It's something she knew nothing about until Christmas 2013, when her twin nephews were born, four months premature, at King's College Hospital in London.

They were immediately transferred to the neonatal intensive care unit. One twin, Harry, died three weeks later. The other, Jack, survived, with long-term health problems. Their parents - Clare's brother and sister-in-law - spent months by Jack's bedside. From knowing nothing about incubators, CPAPs, canulas and high dependency units, they found themselves plunged into a very different, and very intense world. They moved house and careers, and their 'normal' life turned upside down.

Of course, they're far from being the only ones. Every year, the KCH neonatal unit admits around 700 babies. Some are premature, others are full-term but with a variety of health problems. Some babies stay for just a few days, others for over a year.

Clare talks to parents whose everyday lives have been put on hold as their baby's struggle becomes all-consuming. As well as talking to her brother and sister-in-law, she hears from a mother whose son has a rare liver condition and a couple whose daughter - born at 23 weeks - is now at home after spending her first four months among bright lights and ever-bleeping monitors.

All these children owe their survival to the dedication and extraordinary high-tech skills of the doctors, surgeons and nurses, and to the care and expertise of a whole team of people, including ophthalmologists, radiographers, speech and language therapists, physiotherapists.

How do people in this immensely stressful situation - both parents and staff - cope?

A Pennine production for BBC Radio 4.

MON 11:30 The Missing Hancocks (b06qht29)

Series 2

The Red Planet

Tony Hancock takes up astronomy, and discovers something terrible among the stars.

Between 1954 and 1959, BBC Radio recorded 102 episodes of Galton & Simpson's comedy but 20 went missing from the BBC archives, and had not been heard since their original transmission... until these faithful re-imaginings.

After a highly acclaimed first series, another five were lovingly re-recorded in front of a live audience at London's BBC Radio Theatre.

The Lad Himself Kevin McNally
Bill Kerr Kevin Eldon
Sid James Simon Greenall
Kenneth Williams Robin Sebastian
Andree Melly Susy Kane

Newly recorded score by the BBC Concert Orchestra

Written by Ray Galton and Alan Simpson

Produced by Ed Morrish and Neil Pearson

Originally broadcast on the BBC Light Programme in November 1955.

Recreated for broadcast by BBC Radio Comedy for BBC Radio 4 and first broadcast in November 2015.

MON 12:00 News Summary (b06qy8d2)

The latest national and international news from BBC Radio 4.

MON 12:04 One to One (b06rkc60)

John Harris Talks to Penny Andrews about Autism

John Harris from the Guardian talks to university researcher, Penny Andrews, who, after a difficult childhood and adolescence, was finally diagnosed as autistic in her early thirties. John is known for having two consuming passions music, and politics - and luckily he's developed a career that revolves around both. But around five years ago, he acquired a third area of expertise and curiosity: autism.

His son James was born in 2006 and, when he was 3, it was discovered he was autistic. For John and his partner, the next two or three years passed in a blur of educational therapy, tussles with officialdom, James's successful entry to a mainstream school, and reading: lots and lots of it.

In his first edition of One to One, John talked to Simon Baron-Cohen, Professor of Developmental Psychopathology at Cambridge University and Director of the University's Autism Research Centre.

Today he talks to Penny about how the condition has affected her life and how she has learnt to live with it, holding down an intellectually challenging job and married life.

They discuss how schools and employers can help those on the autistic spectrum to make the most of the gifts and talents they have, and to understand better the more challenging aspects of the condition.

Producer: Lucy Lunt.

MON 12:15 You and Yours (b06qhvjr)

Energy Bills, Microchipping Pets, Rental Fraud

George Osborne announced some changes in the Autumn statement that will have an impact on our energy bills. Industry that is energy intensive will be permanently exempt from the environmental levies added to our bills by government. But it means that households will be paying extra - another £5 each a year. However Osborne claims will be seeing a £30 reduction on our bills thanks to the new, less ambitious Energy Company Obligation that will take effect in 2017. So is he right?

According to Blue Cross pet charity there has been an increase in stolen pets of almost 40% compared to 2012. Now owners are backing the charity's call for tougher sentences for those who commit the crime, which Blue Cross hopes will act as a deterrent. Almost half of pet owners believe pets are being stolen to sell. And, as many stolen pets are already microchipped, why are more of them not found when the new owner brings them to the vets for the first check up.

Fraud involving rooms to rent rose by a third over the last year. That's according to Action Fraud - the UK's national fraud reporting centre. There were two and half thousand cases of fraud involving rooms to rent reported in England and Wales in the year to July 2014. This year there were more than three thousand three hundred reported cases.

MON 12:57 Weather (b06qy8d4)

The latest weather forecast.

MON 13:00 World at One (b06qhvrl)

Leaders from every country in the world are gathered in Paris for the latest conference on climate change. A leading expert tells us nothing has been achieved so far - and the growth of coal is the problem. We'll hear what the head of the world coal association has to say about that.

Just ahead of a critical shadow cabinet meeting, The Labour party has announced 75 per cent of its members are against air

strike in Syria -- one labour MP tells us she'll be voting for military action and refuses to be 'bullied'.

And we've the final part of Manveen Rana's journey across Europe with a Syrian family.

MON 13:45 A Walk of One's Own: Virginia Woolf on Foot (b064ym6)

In Spain

Virginia Woolf, sun hat firmly in place, scrambling along the dusty footpaths of Southern Spain - an unexpected image of the very English, upright writer more commonly associated with Bloomsbury. But in 1923 Woolf and her husband Leonard made an adventurous journey by boat, train, bus and mule to the remote mountain village of Yegen, where the British writer Gerald Brenan had made his home.

In a burst of intense, exploratory friendship, Woolf walked with Brenan through a landscape of goats and asphodels, opening up to him, and opening herself to the allure of Spain. "The mind's contents break into short sentences. It is hot; the old man; the frying pan; the bottle of wine".

She wrote about riding mules, about village sounds, and as she got into the rhythm of rural Spain fantasised about a new life abroad.

Virginia Woolf was the perfect exponent of the belief that walking clears the mind, expands the soul and strengthens the leg. On the centenary of Woolf's first published novel, Woolf biographer. Alexandra Harris takes us on four walks which inspired her, shaped her writing and character, and tell her story.

In part one Harris seeks out the paths where the determined walker would have tramped - through olive groves, past tangled vines, in thrall to the smell of orange blossom. She is accompanied in this Spanish sojourn by another writer, also seduced by the beauty of the Alpujarras, Chris Stewart, of "Driving Over Lemons" fame. Stewart was inspired 27 years ago to move to the area described in 'South From Granada', Gerald Brenan's classic portrait of Andalucía, in which Virginia Woolf's visit is also described.

They scramble up hillsides, leap into pools of icy water, and are deafened by the sound of cicadas, contemplating Virginia Woolf's time, walking and writing under the Spanish sun.

Producer: Sara Jane Hall.

MON 14:00 The Archers (b06qh4vx)

[Repeat of broadcast at 19:00 on Sunday]

MON 14:15 Drama (b06qhvrn)

When Last I Saw You

When Last I Saw You
by Peter Whalley

Psychological thriller. When the law has failed, is it ever morally acceptable to impose your own justice? Jane, by chance, says she has found the man who violently attacked her five years ago. But Jane, a few years ago, mistakenly identified a man who she thought attacked her. So who is this man she's accusing, and has she got it right this time?

Produced and directed by Pauline Harris

Further Info

Lyndsey Marshall - is best known for her performance in *The Hours*, and as the recurring character Cleopatra on HBO's *Rome*, and as Lady Sarah Hill in BBC period drama *Garrow's Law*

Peter Whalley has written many taut psychological radio dramas for Radio 4, including *The Longest Journey*, *The Missing Wife* and *The Trial*. He was a long standing writer of *Coronation Street* before retiring, and is the author of ten thriller novels.

MON 15:00 Round Britain Quiz (b06qhyv0)

Programme 7, 2015

(7/12)

Tom Sutcliffe chairs a contest between the Welsh and the Scots, in the first of this season's 'revenge' fixtures. Last time these teams met, Wales beat Scotland by a single point. Myfanwy Alexander and David Edwards are the Welsh team, while Scotland is represented by Val McDermid and Roddy Lumsden.

The challenge is thrown down from the off, as the teams are asked: 'Why could Philip Pirrip, a short high-pitched cry, and

the Saint who decided how we should calculate Easter, all have been seen by our grandparents in the mirror?' Tom will be providing clues whenever the teams are getting too bogged down or pursuing false trails, but they'll have points deducted for every kindly nudge they need in the right direction.

As always, several of today's questions have been selected from the many ideas submitted by listeners over the past year or so.

Producer: Paul Bajoria.

MON 15:30 The Food Programme (b06qg1lv)

[Repeat of broadcast at 12:32 on Sunday]

MON 16:00 Tales from the Stave (b053749d)

Series 11

Der Rosenkavalier

When *Der Rosenkavalier* made its British premier in 1913 there was heated debate about the appearance of the on-stage bed in the first scene, not to mention the hot-blooded music that accompanied the antics thereupon! However the manuscript of Richard Strauss' most popular opera is more about extraordinary precision and detail than passionate abandon. The huge volumes held by the Austrian National Library were actually a part payment for a Viennese house Strauss was in the process of acquiring but their appeal to one of the world's leading Strauss conductors, Simone Young is the discipline and imagination of the score's contents. Also joining Frances Fyfield to see this huge work is the Viennese Baritone Clemens Unterreiner who, as the elderly Faninal finds himself performing the part of a character who comes from the same area of the city has he does.

The opera is perhaps most famous for its three central female characters, the Marschallin, her lover Octavian, usually sung by a Mezzo-soprano, and Sophie who eventually tears Octavian away from his initial relationship. Simone's Young's insights into this triangle and how Strauss evokes it in the score in some of the most visceral romantic music of the 20th century is a highlight of this quintessentially Viennese edition of *Tales from the Stave*.

Producer: Tom Alban.

MON 16:30 Beyond Belief (b06ptddk)

Interfaith Marriage

There are big challenges faced by interfaith couples today; where to get married, how to bring up the children and where to be laid to rest. They are the concern of all faiths. As British society becomes more multicultural, are these challenges becoming greater for those who chose to marry someone of a different faith?

Ernie Rea discusses the pros and cons of interfaith marriage with Asad Zaman, an Imam for over 20 years who leads the Friday prayers at several mosques across Manchester; Dr Jonathan Romain, a Reform Rabbi who has written extensively on interfaith marriage; and Rosalind Birtwistle, Co-Founder of the Interfaith Marriage Network, who is a Christian married to a Jew.

Producer:
Dan Tierney

Series producer:
Amanda Hancox.

MON 17:00 PM (b06qj88b)

Eddie Mair with interviews, context and analysis.

MON 18:00 Six O'Clock News (b06qv8d6)

Jeremy Corbyn won't try to force his MPs into voting against bombing IS militants in Syria. Obama says climate change summit in Paris could be the turning point for the planet.

MON 18:30 I'm Sorry I Haven't A Clue (b06qhyv4)

Series 64

Episode 1

The 64th series of Radio 4's multi award-winning 'antidote to panel games' promises yet more quality, desk-based entertainment for all the family. The series starts its run at the Dorking Halls where regulars Barry Cryer, Graeme Garden and Tim Brooke-Taylor are joined on the panel by Tony Hawks, with Jack Dee as the programme's reluctant chairman. Regular listeners will know to expect inspired nonsense, pointless revelry and Colin Sell at the piano. Producer - Jon Naismith. It is a BBC Radio Comedy production.

MON 19:00 The Archers (b06qhyv6)

Jill enjoys making Christmas cakes to supply for Fallon and the new Tea Service at Bridge Farm's cafe. David, meanwhile, feels useless with his broken arm. Matthew, the contract miler originally taken on but then let go immediately when David decided not to leave Brookfield, will be coming back to work at Brookfield - starting tomorrow.

Bert plans to plant his memorial rose for Freda this week. Jill rejoices in the prospect of the Bull and Village Shop reopening properly. David's torn about whether to go to the Bull's reopening, given the family problems with Kenton. But he decides he should.

Clarrie has got Joe an appointment with the Council to assess him for emergency accommodation - but they need to find his birth certificate, which involves searching through old boxes. Joe finds it. Eddie and Clarrie check out a flat which they reluctantly agree to take. Reflecting on a poky flat and low turkey sales: it seems it's going to be a grim Christmas for the Grundys.

MON 19:15 Front Row (b06qj2yx)

Victor Frankenstein, Andrew McMillan, Shami Chakrabarti, Finding Winnie (the Pooh)

The film *Victor Frankenstein* stars James McAvoy as the scientist driven by a desire to create life and Daniel Radcliffe as his young assistant Igor. Larushka Ivan-Zadeh reviews the latest screen adaptation of the *Frankenstein* story.

Poets Andrew McMillan and Neil Rollinson explore sex and masculinity in their work; the first from a gay man's view point, the second from a straight perspective. Both have recently won top poetry prizes; the Guardian First Book Award and the National Poetry Competition.

Shami Chakrabarti of Liberty explores how literature can increase empathy in today's Reading Agency lecture. Author Nikesh Shukla joins her to discuss what we should be giving our children to read.

In 1914 Lindsay Mattick's great-grandfather rescued a female baby bear which became the real-life inspiration for Winnie-the-Pooh. She reveals the true story of the world's most famous bear.

MON 19:45 15 Minute Drama (b06qhlj1)

[Repeat of broadcast at 10:45 today]

MON 20:00 Changing Climate (b06qhyv8)

The Politics

In the final programme of this series Roger Harrabin asks whether politicians will strike a deal in Paris? So often climate conferences have ended in chaos and dispute but in the run up to Paris there has been something alien to climate talks - hope. Amongst all the tension, a remarkable number of governments have agreed plans to cut emissions. China and the USA appear to be walking hand in hand. The signs look good but do they add up to an agreement?

Producer: Wesley Stephenson

You can find links to transcripts of the interview done for this series on the Open University website creativecommons.org

MON 20:30 Crossing Continents (b06pxp35)

Greece: No Place to Die

They say you can't take it with you but if you live in Greece how much money you have at the end of your life makes a big difference. Permanent plots in the country's packed cemeteries can cost as much as a small flat so most graves are rented for a three year period and once that time is up the dead are exhumed and their bones collapsed into a small box to be kept at the cemetery. Those relatives who can't afford the cost of the exhumation or the storage charge for the box of bones will have their loved one's remains thrown in a so called 'digestion' pit with countless others' where they are dissolved with chemicals. In the current economic climate and with continued capital controls, Greeks are struggling to pay for the burial costs and unclaimed bodies are piling up at mortuaries. But there are few cost effective alternatives because Greece happens to be one of the few EU countries without a crematorium - each time plans have been made to build one it has been blocked by the Greek Orthodox Church. Instead Greeks are forced to send their relatives' bodies to Bulgaria for cremation. For *Crossing Continents*, Chloe Hadjimatheou reports on the business of dying in Greece.

Producer: David Edmonds.

MON 21:00 The Secret Lives of Carers (b06ptqm)

There's a silent army of workers who look after Britain's old and needy in their own homes. It's a rapidly growing group...but we rarely hear their stories.

In the first of two programmes, Sangita Myska follows the day-to-day lives of three care workers. We talk to the carers who do their jobs well and hear - in chilling detail - about the ones who do it badly.

"There was snow outside, the roads were bad. When I walked into the house I was struck by how cold it was. And what I saw next will stay with me forever. George was sitting, his skin grey from the cold. He was wet - a doubly incontinent man - and they hadn't put a pad on him. The blinds were shut, the lights were off, the telly was off, just waiting for someone to help".

It's a frustrating, revolving-door service where some of the visits last as little as 15 minutes. We hear of vulnerable people having up to 24 different carers a week and stories of basic care - and caring - being overlooked.

Jane - not her real name - is fairly new to care. We go with her on one of her visits - a lunchtime call to an elderly woman. The woman wanted a sandwich - but her bread was green with mould - despite the fact that she'd had a care worker in to make her breakfast and had three carers the previous day. Jane complains to her bosses - but she's not hopeful anything will change. She says her complaints so far have fallen on deaf ears.

The care workers are mostly on the minimum wage - or below. Staff turnover is twice that of any other industry. It's a disturbing picture of the state of domiciliary care.

Producer: Adele Armstrong.

MON 21:30 Start the Week (b06qhlhv)
[Repeat of broadcast at 09:00 today]

MON 21:58 Weather (b06qv8d8)
The latest weather forecast.

MON 22:00 The World Tonight (b06qhzny)
Labour MPs Have Free Vote on Syria

Syria vote on Wednesday; Foreign Secretary says he expects Government to win it.

MON 22:45 Book at Bedtime (b06qhzp0)
Dark Corners

Episode 1

Ruth Rendell's final novel is a dark and atmospheric tale of psychological suspense read by Patricia Hodge.

Budding crime writer Carl could do with some extra cash. Renting out the top part of his house in Maida Vale - newly inherited from his father - will help his cash flow immensely. And what harm could it do to sell some slimming pills from his late father's stash of 'alternative medicines' to his actress friend Stacey, who's been putting on weight in the wake of a relationship break up?

Acclaimed by her literary peers and beloved by her readers, Ruth Rendell wrote over sixty novels in a career that spanned fifty years. She received numerous awards, including the Crime Writers' Association Gold Dagger for 1976's best crime novel with *A Demon in My View*, a Gold Dagger award for *Live Flesh* in 1986, and the Sunday Times Literary Award in 1990. In 2013 she was awarded the Crime Writers' Association Cartier Diamond Dagger for sustained excellence in crime writing. In 1996 she was awarded the CBE and in 1997 became a Life Peer. She died in May 2015, aged eighty-five.

Reader Patricia Hodge.

Abridger Robin Brooks.

Producer Kirsteen Cameron.

MON 23:00 Wireless Nights (b06qj74f)
Series 4

Keep on Truckin'

Jarvis Cocker continues his nocturnal exploration of the human condition.

Tonight: an unlucky trucker, a hopeful hitch-hiker and a host of Scottish ghostbusters.

As Jarvis climbs up into the Wireless Nights monster truck, he hears from a long distance lorry driver who received a nasty surprise, a hitcher trying to make it to Liverpool and he travels

along the most haunted stretch of road in Scotland.

Producer: Laurence Grissell.

MON 23:30 Today in Parliament (b06qj74j)

The strike by junior doctors in England is off. Susan Hulme reports on the breakthrough in the negotiations-- revealed by the Health Secretary in the Commons.

Also on the programme:

* Would a tax on sugary drinks help to make us a healthier nation ?

* MPs debate the current state of the Middle East.

* Tips in restaurants. Do they reach the people serving you ? Or do they get swallowed up by the restaurant management ?

* And the Transport Secretary says High Speed 2 will be finished six years early, in 2027.

TUESDAY 01 DECEMBER 2015

TUE 00:00 Midnight News (b06qv8f6)

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

TUE 00:30 Book of the Week (b06qhlhx)

[Repeat of broadcast at 09:45 on Monday]

TUE 00:48 Shipping Forecast (b06qv8f8)

The latest shipping forecast.

TUE 01:00 Selection of BBC World Service Programmes (b06qv8fb)

BBC Radio 4 joins the BBC World Service.

TUE 05:20 Shipping Forecast (b06qv8fd)

The latest shipping forecast.

TUE 05:30 News Briefing (b06qv8fg)

The latest news from BBC Radio 4.

TUE 05:43 Prayer for the Day (b06rf92)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

TUE 05:45 Farming Today (b06qjqc)

Farming's carbon footprint, Mistletoe auction, New phone app

As heads of state meet in Paris to discuss climate change, we ask what farmers could be doing to help reduce their carbon footprint. Anna Hill talks to a potato grower in Norfolk, who's qualified for a "carbon charter" award, by doing just that. We also hear from Hollywood film-maker James Cameron, who explains why his whole family is now vegan because of his concerns over climate change.

It's December 1st, and as the build-up to Christmas officially gets underway, we visit one of the best places to buy mistletoe. The Worcestershire town of Tenbury Wells has been holding mistletoe auctions for well over a century.

And we meet the farmer's son from Shropshire who's invented a new mobile phone app which allows farm contractors to invoice customers for jobs like harvesting and ploughing, direct from the tractor cab in the middle of the field.

Presented by Anna Hill and produced by Emma Campbell.

TUE 05:58 Tweet of the Day (b04t0mj0)

Greater Hill Mynah

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Sir David Attenborough presents the mimic specialist Greater Hill Mynah from Asia. Like many members of the starling family, Greater Hill Mynah's are superb mimics with a remarkable ability to reproduce the tones of the human voice. This makes them popular as cage and now some wild populations have been severely reduced by collecting. Hill mynahs are not just vocally outstanding. They're dapper looking birds too; glossy purplish-black with a white wing-patch and wattles of bright yellow skin under their eyes and around the back of their necks. The wild birds don't impersonate people though; it's only those captive birds which are amongst some of the best mimics of the human voice.

TUE 06:00 Today (b06qjqcl)

Morning news and current affairs. Includes Sports Desk,

Yesterday in Parliament, Weather and Thought for the Day.

TUE 09:00 The Beauty of Equations (b06r50wh)

Jim al-Khalili was sitting in a physics lecture at the University of Surrey when he suddenly understood the power of equations to describe and predict the physical world. He recalls that sadly his enthusiasm was lost on many of his fellow students.

Jim wants to persuade the listeners that equations have a beauty. In conversation with fellow scientists he reveals the surprising emotions they feel when describing the behaviour of matter in the universe in mathematical terms.

For Carlos Frenk, Professor of Computational Cosmology at Durham University, one of the most beautiful equations is the one that is at the heart of Einstein's theory of general relativity. A century ago, Einstein wrote down his now famous field equations that linked the shape of the universe to the matter in it.

Jim and Graham Farmelo, the author of a biography of Paul Dirac called *The Strangest Man*, discuss why the Dirac equation is not as well known as Einstein's but, in their opinion, should be.

Dr Patricia Fara of Cambridge University, and Vice-President of the British Society for the History of Science, explains that although mathematics goes back centuries it was only in the 17th century that it was applied to the real world.

Jeff Forshaw, Professor of Particle Physics at the University of Manchester, talks about when he first realised the power of equations and about why, surprisingly, maths is so effective at describing the real world.

Science writer Philip Ball questions whether the beauty that scientists see in equations is really the same as we see in art.

And physics A Level students in Dr White's class at Hammersmith Academy in London reveal that they already appreciate equations.

TUE 09:30 The Misogyny Book Club (b064khpq)

Sex and Silence

Are men afraid of women's sexuality? And if so, why?

Jo Fidgen and company look for clues in Shakespeare's *Hamlet*, in the second in a series of programmes exploring misogyny in some of our most read books. When the young prince attacks his mother over starting a new relationship in middle age, he reveals an age-old fear that women have insatiable sexual appetites, and a patriarch's urge to control them.

Actor Charlotte Cornwell, who played Gertrude in the RSC production of *Hamlet*, talks about how she identifies with the character and how it felt to be on the receiving end of *Hamlet*'s insults.

The contributors discuss how women gained a reputation for licentiousness and whether they have ever shaken it off. Their conversation takes in the invisibility of older women in society; the subtle ways in which women are silenced; and the way women police themselves.

TUE 09:45 Book of the Week (b06qjqcn)

Railways - Nation, Network and People

Episode 2

A magnificent account of Britain's railways and how track and carriage united a nation.

This series of readings includes an exploration of many aspects of the railway revolution, such as the challenges of 'railway time', the nuances of first, second and third class, the difficulties of lighting and heating, passenger comfort, what to eat when travelling and the history of refreshment stops and the commercial opportunities they brought - including the establishment of W.H. Smith and Son, who became the nation's first high street bookstore. Architecture and engineering are also covered, alongside the impact on social classes and gender.

Passengers may have a love-hate relationship with our railways, but few of us know much about the journey taken to get to where we are now.

"Simon Bradley's *The Railways* is magisterial. It's both authoritative and absorbing. A first class journey." Michael Palin

Episode 2. The nuances of the classes - the difference a seat makes.

Read by Stephen Tompkinson

Abridged and produced by Jill Waters

A Waters Company production for BBC Radio 4.

TUE 10:00 Woman's Hour (b06qjqc)

Listener Week, Positive menopause experiences, Down's Syndrome

In the second of our Listener Week programmes, we talk to two women who were fortunate to have a very positive menopause - Jennifer Ballamy and Judith Wardel share their experiences.

Plus listener Sara Porter tells us how hearing a Woman's Hour discussion three years ago helped her decide to have a daughter she knew would be born with Down's Syndrome.

In the next in our series talking to artists who listen to the programme in their studio, reporter Felicity Finch visits sculptor Amelia Rowcroft at work in Sussex.

Listener Anna tells us about her fear of missing out on career opportunities after becoming pregnant just after starting her 'dream job'.

And DIY funerals: we speak to listener Virginia Prifti about her decision to manage her son's funeral and keep his body at home, and to Charles Cowling, the founder of the Good Funeral Guide - a website which helps people arrange the funeral they want.

Presenter: Jane Garvey
Producer: Emma Wallace.

TUE 10:45 15 Minute Drama (b06qjqc)

Greater Love

Episode 2

Emmy's sister, Sarah has died, and the secret is out in the village. Stanley and William quell panic by assuring the villagers everything is under control.

Don Shaw's drama series charting the true story of the Plague in Eyam, Derbyshire in 1665.

William Al Weaver
Catherine Emily Pithon
Thomas Stanley David Calder
Emmy Charlie May-Clark
Rowland Gerard Kearns
Alice Sydal Daryl Fishwick
William Roger Morlidge

Producer: Pauline Harris

First broadcast on BBC Radio 4 in November 2015.

TUE 11:00 The Secret Lives of Carers (b06qjqc)

There's a silent army of workers who look after the vulnerable in their own homes. This is the story of four care workers whose employers are pioneering new ways of running care services.

They are a world away from the experience most people have of home care workers. But - we ask - is it possible for the state sector to provide this kind of care without costs going through the roof.

We hear about the Wiltshire scheme which allows care workers to decide how long visits should be, and lets the elderly person decide how they want to spend the time with their care worker. It's seen some dramatic results - with elderly people signed off their books within weeks.

We meet Rochelle who - after 20 years in the care industry - and having seen some shocking care, has now found a company where she feels she really can care. She talks about the small but significant changes that make a world of difference.

Perrine works for a private care company which "matches" very closely the personality and interests of the care worker with the person being cared for.

And we talk to Ashleigh, a 24 year old who does end of life care. She works for the charity Leonard Cheshire. She earns little above the minimum wage - but she's totally committed to her job and to the people she looks after.

These carers and the organisations they work for are determined to change the state of home care. But what chance do they have with constantly diminishing budgets?

Producer: Adele Armstrong.

TUE 11:30 Soul Music (b06qjts)

Series 21

Nkosi Sikelel' iAfrika

Nkosi Sikelel' iAfrica (Lord Bless Africa) is a song that runs through the very soul of South African life.

It was originally composed in 1897 by Enoch Sontonga, a Xhosa clergyman at a Methodist mission school near Johannesburg who is said to have been inspired by the melody of John Parry's 'Aberystwyth', a hymn that would've been shared by Welsh missionaries at that time. It went on to travel the African continent but most significantly it became one of the defining symbols of a united South Africa; A country that still holds this song at it's heart.

Having travelled through the country's Christian congregations it soon rang out from meetings and protest rallies throughout the apartheid era eventually becoming the unofficial anthem of the ANC (African National Congress Party). At a time of great hardship and pain, it was a song that offered hope and encouragement to millions of South Africans.

Having being sentenced to life imprisonment, Nkosi Sikelel' iAfrica was the song that Nelson Mandela will have heard being sung out by his supporters as he and his fellow ANC members were driven away to Robben Island. Decades later it was the hymn that he would use to unify his country as it was adapted into the South African National Anthem.

Featuring interviews with: Albert Mazibuko of Ladysmith Black Mambazo, Lord Joel Joffe, author

Sindiwe Magona, Edward Griffiths - former CEO of South African Rugby during the 1995 World Cup, music journalist Robin Denslow and the Za Foundation's Zakhele Choir.

We're sorry that due to copyright restrictions, if you are listening abroad, you will not be able to listen to this programme.

Produced in Bristol by Nicola Humphries.

TUE 12:00 News Summary (b06q8fj)

The latest national and international news from BBC Radio 4.

TUE 12:04 One to One (b06rk2l)

Frank Gardner talks to Tim Rushby-Smith

After a life changing injury or incident, one of the things that makes a huge difference on how you then move on with the rest of your life is what you can still do and can't do.

The BBC's Security Correspondent Frank Gardner regards himself lucky that he was able to carry on doing journalism after being shot 9 years ago in Saudi Arabia by terrorists. Some of those bullets hit the core of his body and damaged his spinal nerve - he can no longer use his legs and is in a wheelchair for the rest of his life. However, being able to return to work and continue with his profession has been one of the biggest factors in his own recovery.

Frank meets Tim Rushby-Smith who fell from a tree and had to face the fact he would no longer be able to carry on with his profession and livelihood.

Other editions of Frank Gardner's series can be found on the BBC iplayer

Producer : Perminder Khatkar.

TUE 12:15 You and Yours (b06qjtr0)

Call You and Yours

The Bank of England is reporting levels of debt rising at eight percent last year - that's the fastest yearly growth rate since before the crash. IS your personal debt mounting? Do you worry about it? Or does it make perfect sense for you to take advantage of the lending climate. Ring us on 03700100444.

TUE 12:57 Weather (b06q8fI)

The latest weather forecast.

TUE 13:00 World at One (b06qjtr7)

We debate the likely impact of the UK joining the bombing campaign against IS in Syria: We have a report from the Oldham by election; And we look at the health of Britain's woodlands from high above the canopy in Epping Forest.

TUE 13:45 A Walk of One's Own: Virginia Woolf on Foot (b065tqys)

Kensington Gardens

A hundred years since the publication of Virginia Woolf's first novel, author Alexandra Harris wonders at the link between her writing and her passion for walking - this week exploring where it all began, in Kensington Gardens.

Accompanied by Woolf biographer Dame Hermione Lee - the pair set out on a walk which Virginia and would have done

probably 20,000 times - from 22 Hyde Park Gate, across the busy traffic and into the park.

Re-enacting the scene, Hermione and Alex recall how - 'calling for his dog and his daughter' - Leslie Stephen, father to Virginia Woolf, set off twice daily for a constitutional walk around the park.

Passing the woman selling her "balloon of quivering airballs", the young girl entered a public world and set her imagination to work on all she encountered: people talking and shouting, skaters, statues, ranks of uniformed nannies.

All her life she would remember in vivid detail the early routines of sailing boats on the Round Pond, touching the bark of the 'Crocodile Tree', reading in the grass and starting to match words to experience.

Mike Fitt, the Royal Parks honorary historian joins them, to add his particular knowledge of Kensington Gardens to the mix.

Producer: Sara Jane Hall.

TUE 14:00 The Archers (b06qhyv6)

[Repeat of broadcast at 19:00 on Monday]

TUE 14:15 Drama (b06qjyrr)

Oh You Pretty Things

When Ellie's ex gets in touch after 25 years, her husband Dave can't resist doing the same thing and gets in touch with his ex too. These exes are, for both partners, like roads not taken. Is there still time to go down those roads?

Written by Jon Canter
Produced and Directed by Clive Brill
A Brill production for BBC Radio 4.

TUE 15:00 The Educators (b06qjyrr)

What Finland Did Next

Since the first international comparisons in 2000, Finland has been at or near the top of league tables for the abilities of its teenagers in reading, maths and science. Experts and politicians flocked to its schools to discover what was leading to its success, and came away with a picture of autonomous schools, children starting school much later than in the UK, and having no tests until their final year.

What developed was seen by many as a myth surrounding Finnish education success, while the reality could be attributed to extensive teacher training, high quality lessons and a culture of literacy. But now, Finland is overhauling the way it teaches through 'phenomenon learning' - periods of the school year where learning isn't confined to single subjects, but students take on a broad topic and decide what, and how, they will learn. From 2016, it will be compulsory for all schools to teach with phenomenon projects, but Helsinki has already adopted it in the capital's schools. Sarah Montague interviews the city's Education Manager Marjo Kyllonen and visits a Helsinki school, to see the changes being made to a world-leading education system.

Presenter: Sarah Montague
Producer: Joel Moors.

TUE 15:30 Shared Experience (b06qjyrv)

Series 4

What Does Home Mean?

What happens to your idea of home when you're forced to leave your country and resettle in another? Fi Glover meets three people who had to do that to explore the concept of home.

Fran was a teenager when her father was made persona non grata by the Hastings Banda regime in Malawi. The family fled back 'home' to Britain, but Fran says she has not been able to settle in England in a culture she finds alien. Dragana left suddenly when war broke out in Bosnia, leaving her family in Banja Luka. The Netherlands became home for her as she lived with a host family, learnt Dutch, finished school and did a degree. She still lives there with her husband and children, but is it really home? Abiyot left Ethiopia when his life was in danger because of his political activism. He settled in Britain, took a degree and set up his own business. Britain, he says, is home for him, a place of safety and tolerance.

Producer: Maggie Ayre.

TUE 16:00 The Human Zoo (b06qjztq)

Series 7

The Tide Is With Us

The series that looks at current events through the lens of psychology. From scandals to markets, elections to traffic jams, discover the nuts and bolts of human behaviour that link public life to our most private thoughts and motivations.

Are people led by the head or by the heart? How rational are we? And how do we perceive the world? All human behaviour could turn up in *The Human Zoo* - including yours.

In this episode, Michael Blastland explores why so many people - be they the leaders of political parties, or people who drink too much - think other people share their beliefs and choices. All political parties tell us that the tide is going their way. But it's a strange tide that flows in all directions. Even extremists and revolutionaries, it seems, are likely to think that there are many other supporters eager to join them.

Why do we think so many more people are like us? Even when we're asked to describe the typical height of people we see around us, we're more likely to estimate too low if we're short and too high if we're tall.

How far does this tendency go, why do we do it, and what are its implications for politics, public health or extremists? Find out in *The Human Zoo*, recorded before an audience at Warwick University's Festival of the Imagination, featuring the latest psychological research, and the author AL Kennedy on how she goes about becoming someone else in fiction.

Michael Blastland is joined by resident Zoo psychologist Nick Chater, Professor of Behavioural Science at Warwick Business School, and roving reporter Timandra Harkness.

Producer: Dom Byrne
A Pier production for BBC Radio 4.

TUE 16:30 A Good Read (b06qjzts)
Dr Christian Jessen and James Wong

Dr Christian Jessen, James Wong, and presenter Harriett Gilbert nominate their favourite books. Under discussion are *Jurassic Park* by Michael Crichton, Louis Begley's novel *Wartime Lies*, and *The Same Sea* by Amos Oz. Producer Sally Heaven.

TUE 17:00 PM (b06qjztv)
PM at 5pm - Eddie Mair with interviews, context and analysis.

TUE 18:00 Six O'Clock News (b06qv8fn)
R4 1800 December 1 2015

David Cameron has urged MPs from all parties to back him on the eve of a Commons vote on air strikes against Islamic State militants in Syria. The cabinet has approved a motion.

TUE 18:30 Gloombsbury (b0418p77)
Series 2

Ever Decreasing Literary Circles

Flushed with her recent success, Ginny is to hold a literary salon, but she wants Vera to co-host it. They argue about where to have it, whom to invite and what kind of refreshments should be offered. Mrs Gosling is obstructive about the possibility of vegetarianism.

Meanwhile, Henry can't decide whether to carry on working for the Foreign Office or write a biography of Byron or Tennyson, and follows Vera round the castle unsuccessfully trying to elicit her advice.

When the great day arrives, Henry is banished from the castle lest he gets in the way. Instead of the longed-for literary celebrities, however, the only arrival at Sizzlinghurst that day is a snowstorm of apologetic telegrams. Hurt and aghast that nobody loves them, Vera and Ginny blame each other.

The only person who turns up is Venus, who wasn't invited and has never read a book in her life. Only as the day draws to a close does Vera remember with horror that today was Henry's birthday and that she has neglected him without so much as a card, a gift or a kiss. Wracked with guilt, Vera makes up to Henry on a pile of dusty sacks in Gosling's shed.

GLOOMSBURY - THE SERIES

Green-fingered Sapphist Vera Sackcloth-Vest shares a bijou castle in Kent with her devoted husband Henry, but longs for exotic adventures with nerval novelist Ginny Fox and wilful beauty Venus Traduces. It's 1921, the dawn of modern love, life and lingerie, but Vera still hasn't learnt how to boil a kettle. Producer: Jamie Rix
A little Brother Production for BBC Radio 4.

TUE 19:00 The Archers (b06qjztx)

Lynda looks forward to the 'explosion of openings'- shop, tea room, Bull - and also having James and Leonie over for Christmas. Sadly, it'll be her first one without Scruff. Susan speculates on the mystery guest to switch on the Christmas lights.

Matthew the contract milker has arrived at Brookfield, so Rob's kind offer of help is not needed. Matthew gets a quick briefing from David, and an update on what Ruth's doing in New Zealand. He can't wait to get stuck in. Meanwhile, Rob delivers cheese to Lower Loxley and explains to Elizabeth that Helen has decided to stop driving. He also updates Elizabeth on their upcoming appointment with the midwife and finds out all about Deck The Hall and Lower Loxley over Christmas.

Elizabeth is aghast at Lynda's changes to the space at Lower Loxley for her Calendar Girls rehearsals. However, Elizabeth's pleased with her calendar photo - but what will Susan think of hers? Elizabeth and Susan do well in rehearsal, with Lynd ain her note-giving praising the truth in their performances. Susan checks that Elizabeth's ok - she's clearly drawn on something very personal. Susan and Elizabeth are nervous about tomorrow's rehearsal - where they have to undress...

TUE 19:15 Front Row (b06qjzv0)
Queen Anne, John Napier, Google Cultural Institute, Sunset Song

Kate Williams, author of historical novel *The Edge of the Fall*, reviews Queen Anne, a new play by Helen Edmundson at the Royal Shakespeare Company in Stratford.

Theatre designer John Napier is behind the iconic shows *Cats*, *Miss Saigon* and *Les Miserables*. As he puts on his first major exhibition in his 50 year career he discusses his influences and his approach to design.

Google has announced partnerships with performing arts institutions across the world as part of their project, the Google Cultural Institute. Oliver Franklin-Wallis from *Wired* magazine tells us what's in it for Google.

Sunset Song is the new film directed by Terence Davies. Adapted from the classic novel by Lewis Grassic Gibbon, it's the story of a Scottish crofter's daughter who comes of age in the early 1900s and stars Agyness Deyn. Hannah McGill reviews.

This year's Man Booker winner Marlon James has said the books market is dominated by white middle class readers demanding stories of 'personal ennui'. Crystal Mahey-Morgan discusses how publishers respond to readers when commissioning novels.

Presenter : Kirsty Lang
Producer : Dymphna Flynn.

TUE 19:45 15 Minute Drama (b06qjzcs)
[Repeat of broadcast at 10:45 today]

TUE 20:00 The Nervous Breakdown of the Internet (b06qjzv2)

Modern life relies on internet security. But cyber-criminals have rocked confidence and revealed shocking complacency. Edward Lucas explores how trust can be restored.

Breaches of computer networks at TalkTalk and Ashley Madison have highlighted the dangers we face on the internet. Cyber-crime will cost the global economy an annual \$500bn. And our plight is set to worsen. The internet was never designed to be the central nervous system of modern life. Nobody foresaw its role in the media, e-commerce, e-banking, infrastructure, and entertainment.

The prize for attackers is data - they can steal, degrade or destroy, in order to blackmail, impersonate or bankrupt us.

At every stage of the internet's development, cost and convenience trumped security. Now we have to deal with a legacy of out-of-date systems and ingrained complacency, at a time when our dependence is growing. Our attackers have the advantage - they feed on a huge and lucrative criminal economy, they buy the weapons they need in sophisticated markets and launder their proceeds with anonymous electronic money.

Edward Lucas considers the problem with security experts and shows the shocking ease with which hackers can steal data. He examines where responsibility lies - with the government, companies and individuals - and discusses potential solutions - from Estonian-style biometric identity cards to "bug bounties" for those who find errors in hardware and software.

Legislation, commercial pressure, education and changing social norms can all help secure the internet and, with it, our modern way of life.

Presenter: Edward Lucas
Producer: Kate Dixon
A Whistledown production for BBC Radio 4.

TUE 20:40 In Touch (b06qjzv4)
Lily-Grace's cane, Nystagmus

Peter White goes to Bristol to meet Lily-Grace Hooper, the blind child who's been told she can't use her long cane in school for health and safety reasons. And we talk about the merits of Wobbly Wednesday, the campaign to raise awareness of the eye condition, Nystagmus.

TUE 21:00 All in the Mind (b06qjzv6)
Bilingualism, Kevan Jones MP, Talking therapies and memorising art

Claudia Hammond talks to Dr Catherine Loveday to find out why being bilingual can protect against the damage caused by a stroke. She explains why it might all be down to something called cognitive reserve. Kevan Jones MP explains why he chose to talk about his own experience of depression to parliament and explains his role as judge on this year's All in the Mind awards. In 2008 the government introduced 'Improving Access to Psychological Therapies' services for people with depression and anxiety across parts of England. IAPT has expanded in the 7 years since then but new figures just out reveal a huge variation in recovery rates and waiting times across England. Claudia talks to one of the founders of IAPT, Professor David Clark to ask why there is such a variety of success across the country and what can be done to improve it. Claudia visits Tate Liverpool and their 'An Imagined Museum' exhibition to find out how the brain remembers works of art.

TUE 21:30 The Beauty of Equations (b06r50wh)
[Repeat of broadcast at 09:00 today]

TUE 21:58 Weather (b06qv8fq)
The latest weather forecast.

TUE 22:00 The World Tonight (b06qjzys)
MPs Prepare for Syria Vote

Cameron tells his MPs not to side with "terrorist sympathisers". Is China a good guy at Paris climate talks? A fat-shaming incident on London tube - are we a "fat-phobic" society?

TUE 22:45 Book at Bedtime (b06s2j93)
Dark Corners

Episode 2

Patricia Hodge reads from the final novel by Ruth Rendell, a dark and atmospheric tale of psychological suspense.

In Maida Vale, London, Carl struggles to accept his part in the untimely death of his actress friend Stacey. The slimming pills he sold her are perfectly legal, after all. Carl also doesn't like the way his new lodger, Dermot, is taking an interest in the case, even going so far as to attend the coroner's inquest.

Read by Patricia Hodge.

Abridged by Robin Brooks.

Produced by Kirsteen Cameron.

TUE 23:00 Liam Williams: Ladhood (b06qk005)
Series 1

House Party

Liam Williams - a two-time Edinburgh Festival Award nominated comedian - shares his teenage misadventures in the Yorkshire suburbs.

With evocative monologues by "Adult Liam" being interjected with flashback scenes from his teenage years, this four-part series was recorded in Leeds and stars teens from Yorkshire.

Each episode delves into Liam's memories of his first fight, virginity loss, the best house party ever organised, and his marvellous outwitting of an entire teaching staff.

This is the New Labour, post-mining, aspirational heartland, meeting 50 Cent and Generation Y ennu, represented in a bourgeois radio format - by one of Britain's most exciting comedians.

Producer: Arnab Chanda

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

TUE 23:30 Today in Parliament (b06qk007)

TIP: MPs prepare for Wednesday's day-long debate on military action in Syria. George Osborne appears before the Treasury Committee. And peers mark World Aids Day. Sean Curran reports from Westminster.

WEDNESDAY 02 DECEMBER 2015

WED 00:00 Midnight News (b06qv8gk)

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

WED 00:30 Book of the Week (b06qjqcn)

[Repeat of broadcast at 09:45 on Tuesday]

WED 00:48 Shipping Forecast (b06qv8gm)

The latest shipping forecast.

WED 01:00 Selection of BBC World Service Programmes (b06qv8gp)

BBC Radio 4 joins the BBC World Service.

WED 05:20 Shipping Forecast (b06qv8gr)

The latest shipping forecast.

WED 05:30 News Briefing (b06qv8gt)

The latest news from BBC Radio 4.

WED 05:43 Prayer for the Day (b06rfg7m)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

WED 05:45 Farming Today (b06qkf75)

Global Shortage of the Badger TB Vaccine

The badger vaccination programme in Wales is having to be suspended, due to a shortage of the vaccine BCG, which is also used to inoculate humans against tuberculosis.

Today the president of the NFU Meurig Raymond will be in Paris for Farmers' Day at the Climate Change talks.

A new Agricolgy website claims to translate scientific research into understandable, practical help for organic and eco-friendly farmers.

Presented by Anna Hill and produced by Beatrice Fenton.

WED 05:58 Tweet of the Day (b04t0mqf)

White Tern

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Sir David Attenborough presents the widespread marine species, the white tern. Also known as fairy terns or angel terns, these are very slender, long-winged birds, brilliant white except for a black, slightly-upturned bill, dark eyes and very short blue-grey legs. In flight, their wings appear almost translucent. For such a delicate-looking bird, they have rather harsh calls. Unusually they lay their eggs on a bare branch. The female tern selects a small groove in the bark or on the leaf-stalks of palms where her single egg will be most secure. Here, on its tropical tightrope, the egg is safer from ground predators like rats and because there's no nesting material, there's less chance of parasites.

WED 06:00 Today (b06qkfdk)

Morning news and current affairs. Includes Sports Desk, Yesterday in Parliament, Weather and Thought for the Day.

WED 09:00 Midweek (b06qkfdm)

Marin Alsop, Sir Michael Codron, Wayne Hemingway, Carey Marx.

Libby Purves meets conductor Marin Alsop; producer Sir Michael Codron; designer Wayne Hemingway and comedian Carey Marx.

Conductor Marin Alsop is music director of the Baltimore Symphony Orchestra and the Sao Paulo Symphony Orchestra. In 2013 she was the first woman to conduct the Last Night of the Proms, returning again in 2015. She will be conducting the BBC Symphony Orchestra and Singers, presenting music by British composer Judith Bingham, at the Barbican Concert Hall.

The concert will also be broadcast on BBC Radio 3.

Producer Sir Michael Codron has staged hundreds of productions during his long career - many of them at the time new plays including Harold Pinter's *The Birthday Party* and Joe Orton's *Entertaining Mr Sloane*. He is the producer of Mr Foote's *Other Leg*, a new comedy set in Georgian London which explores society's obsession with the rise and fall of celebrity. Mr Foote's *Other Leg* is at the Theatre Royal, Haymarket in London.

Designer Wayne Hemingway co-founded the Red or Dead fashion label with his wife Gerardine. The couple are the authors of *The Vintage Fashion Bible* which takes a chronological look at 20th century fashion for men and women. It also offers a practical guide to buying, styling and restoring vintage clothing. *The Vintage Fashion Bible* by Wayne and Gerardine Hemingway is published by David and Charles Publishers.

Carey Marx is a comedian who suffered a heart attack in 2012. He survived and has turned his experience into a stand-up show. Although he says comedy about a heart attack isn't to everyone's taste, he describes writing the show as a cathartic experience. *Intensive* Carey is on BBC Radio 4.

Producer: Paula McGinley.

WED 09:45 Book of the Week (b06qkglh)

Railways - Nation, Network and People

Episode 3

A magnificent account of Britain's railways and how track and carriage united a nation.

This series of readings includes an exploration of many aspects of the railway revolution, such as the challenges of 'railway time', the nuances of first, second and third class, the difficulties of lighting and heating, passenger comfort, what to eat when travelling and the history of refreshment stops and the commercial opportunities they brought - including the establishment of W.H.Smith and Son, who became the nation's first high street bookstore. Architecture and engineering are also covered, alongside the impact on social classes and gender.

Passengers may have a love-hate relationship with our railways, but few of us know much about the journey taken to get to where we are now.

"Simon Bradley's *The Railways* is magisterial. It's both authoritative and absorbing. A first class journey." Michael Palin

Episode 3. The great sweep of social and economic change initiated by the railways meant that not only could we now move faster, but things were different when we stopped.

Read by Stephen Tompkinson

Abridged and produced by Jill Waters

A Waters Company production for BBC Radio 4.

WED 10:00 Woman's Hour (b06qkglk)

Listener Week; Glass blower Laura McKinley

Listener Week . We meet glass blower, Laura McKinley as she works alongside a number of other glass blowers at a studio in Bermondsey in South London. We hear from Marie McNamara - and her teacher Dr Vicky Duckworth - about learning to read as an adult. "Nadia" and Raj share their experiences of having partners of a different faith alongside Rabbi Jonathan Rainer. And Lyndsey, Kathy and Karen talk about their relationship with their breasts and the impact they have on everything from their health, to their self-confidence, and fashion choices.

Presented by Jenni Murray

Producer Beverley Purcell.

WED 10:41 15 Minute Drama (b06qkglm)

Greater Love

Episode 3

Villagers are trying to flee, and Stanley tries to persuade them to stay. As Emmy loses more of her family, her mother is losing her mind. Marshall Howe volunteers to bury the dead if he can keep their belongings.

Don Shaw's drama series charting the true story of the Plague in Eyam, Derbyshire in 1665.

William Al Weaver

Catherine Emily Pithon

Thomas Stanley David Calder

Emmy Charlie May-Clark

Rowland Gerard Kearns

Alice Sydall Daryll Fishwick

Thornley Roger Morlidge

Marshall Howe Ian Bartholemew

Producer: Pauline Harris

First broadcast on BBC Radio 4 in November 2015.

WED 10:55 The Listening Project (b06qkzkk)

Michaela and Mary - With Lots of Sparkle

Fi Glover introduces a conversation between a Salvation Army chaplain and a young woman with a troubled past, who is now forging ahead on her own. Arranged via the Vicar's Relief Fund, one of the beneficiaries of the Radio 4 Christmas appeal, this is another conversation 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

Producer: Marya Burgess.

WED 11:00 The Joy of 9 to 5 (b06qkzkm)

Lucy Kellaway investigates the persistent taboo over salaries, and asks who benefits from this secrecy.

What we are paid is rarely a meritocracy. Studies show that if you are taller, more attractive, have better hair, you're likely to take home a bigger pay packet. Even the most popular way of rewarding extra effort at work - performance related pay - has been shown to demotivate and demoralise workers.

Lucy steps inside at a broad range of offices to investigate - from Suma Wholefoods in Halifax where all 200 employees, whether driving a forklift or trading commodities, earns exactly the same amount, to Gravity Payments, where the CEO has just cut his million dollar salary to fund his promise that no employee will earn less than \$70,000.

Speaking to workers and business leaders, Lucy asks whether there is a fairer way of cutting up the cake.

Written and presented by Lucy Kellaway

Producer: Lucy Greenwell

Executive Producer: Russell Finch

A Somethin' Else production for BBC Radio 4.

WED 11:30 Barry Cryer at 80 (b06kgvcd)

Barry Cryer is one of the most significant figures in British comedy. He wrote for Danny La Rue, David Frost and Morecambe & Wise, and has been a fixture on television and radio since the 1960s. He is of course best-known, and best beloved, to the Radio 4 audience for his work on *I'm Sorry I Haven't A Clue*, the "antidote to panel games" which has been running since 1972.

To mark Barry's 80th birthday his son, Bob Cryer, organised a gala performance at the Palace Theatre in London's West End, in aid of one of Barry's favourite charities. Radio 4 is delighted to present a selection of highlights from the evening, which sees friends, family, contemporaries and other acts he loves assemble to pay tribute to the man the comedy world knows simply as "Uncle Baz".

Producer ... Ed Morrish

A BBC Radio Comedy Production.

WED 12:00 News Summary (b06qv8gw)

The latest national and international news from BBC Radio 4.

WED 12:04 One to One (b06rkbyz)

Mary Ann Sieghart talks to Charles Hanson

Mary Ann Sieghart talks to Charles Hanson who was convicted for the murder of his third wife, Julie, seventeen years ago. Now in his sixties, Charles has spent over half his life in prison for a string of violence related crimes; violence being the only way he knew, to resolve conflict. When Julie ran off with his son from his first marriage, Charles decided the only course of action left open to him, was to resort to murder. He explains to

Mary Ann why he came to this conclusion, why even the threat of the death penalty would not have deterred him, how it took him eight years to feel remorse and how the event still haunts him.

The two previous editions of this series, in which Mary talked to those who for very different reasons had taken someone else's life, can be found on the BBC iPlayer.

Producer: Lucy Lunt.

WED 12:15 You and Yours (b06qkldp)

Care Crisis?, Zero-energy homes, Holiday car hire

Consumer affairs programme.

WED 12:57 Weather (b06qv8gq)

The latest weather forecast.

WED 13:00 World at One (b06qk1l3)

We report on the debate in the Commons by MPs ahead of a motion on Wednesday night on RAF airstrikes against ISIL in Syria.

WED 13:45 A Walk of One's Own: Virginia Woolf on Foot (b066vwsd)

Cornwall

When a new steam train connected Paddington to St Ives, Leslie Stephen, Virginia Woolf's father, decided that taking a family house at the tip of England would benefit the whole family. So, packing up the entire household - children, dogs, servants and books - the Stephens travelled West. Talland House would be their deeply loved holiday home for 3 months every year.

From Gurnard's Head to Zennor, the young Virginia learnt to stride out on ambitiously long walks over rugged gorsy cliff paths and lonely granite-strewn moors. She would never stop re-writing these landscapes of early happiness - in her novels, her diaries, her memoirs; and she would keep coming back - alone or with family and friends - 'bringing the sheaves' of her adult life back to the places of her childhood.

Woolf's walking was the counterpart to her imaginative roaming, and the rhythm of her steps would often set the pace of her prose. Alexandra Harris sets out to follow some of her paths by the sea with writer Michael Bird.

Producer: Sara Jane Hall.

WED 14:00 The Archers (b06qjztx)

[Repeat of broadcast at 19:00 on Tuesday]

WED 14:15 Tumanbay (b06qcs6w)

Series 1

A Head Start

In the first episode of this epic saga inspired by the Mamluk slave-dynasty of Egypt, Gregor (Rufus Wright) - Master of the Palace Guard - is charged by Sultan Al-Ghuri (Raad Rawi) with the task of rooting out an insurgency and crushing it.

Tumanbay, the beating heart of a vast empire, is threatened by a rebellion in a far-off province and a mysterious force devouring the city from within.

Cast:

Gregor.....Rufus Wright
The Girl on the Ship.....Olivia Popica
Her Mother.....Nathalie Armin
The Slave Merchant.....Nabil Elouahabi
Cadali.....Matthew Marsh
Frog.....Deeviya Meir
Frog's Mother.....Sirine Saba
Basim.....Alexander Siddig
Sarah.....Nina Yndis
Envoy.....Nadir Khan
Shajar.....Sarah Beck Mather
Madu.....Danny Ashok
Sultan Al-Ghuri.....Raad Rawi
General Qulan.....Christopher Fulford
Physician.....Vivek Madan
Daniel.....Gareth Kennerley
Maid.....Laure Stockley
Ship Captain.....Albert Welling

All other parts played by:

Christian Hillborg
Stefano Braschi
Alex Utgoff

Music - Sacha Puttnam

Sound Design - Steve Bond, Jon Ouin
Editors - Ania Przygoda, James Morgan

Producers - Emma Hearn, Nadir Khan, John Dryden

Written and Directed by John Dryden

A Goldhawk production for BBC Radio 4

WED 15:00 Money Box (b06qk1xt)

Money Box Live: Renting and Letting

Join Paul Lewis and an expert panel for the latest renting and letting issues. What will the impact be on landlords and tenants from the stamp duty increase on buy-to-lets announced by The Chancellor in the Autumn Statement? Plus: plans for rent controls in Scotland and a new licensing scheme for landlords in Wales. And of course advice from the panel on your legal rights either as a tenant or a landlord.

The panel:

Chris Town, Residential Landlords Association
Marie Parris, George Ellis Property Services
Stephen O'Neill, Newton Property
Giles Peaker, Solicitor; Anthony Gold

E-mail moneybox@bbc.co.uk now or call 03700 100 444 from 1pm to 3.30pm on Wednesday.

WED 15:30 All in the Mind (b06qjzv6)

[Repeat of broadcast at 21:00 on Tuesday]

WED 16:00 Thinking Allowed (b06qkp8j)

Everyday life, Cafe society

Everyday life: Laurie Taylor talks to Les Back, Professor of Sociology at Goldsmiths, University of London, about his study into those seemingly unimportant aspects of life which throw a spotlight on the relationship between history, culture and biography. Returning to the council estate in Croydon where he grew up, and where his extended family still live - it tells a story about community formation, housing crisis and the geography of class through Christmas decorations. They're joined by Bev Skeggs, fellow Professor of Sociology at Goldsmiths.

Also, Sarah Neal, Reader in Sociology at the University of Surrey, discusses multicultural conviviality in coffee shops.

Producer: Natalia Fernandez.

WED 16:30 The Media Show (b06qkp8l)

Lord Puttnam on public service broadcasting, Peter Salmon on BBC Studios, I'm a Celebrity

Lord David Puttnam, whose credits include the Oscar-winning Chariots of Fire and The Killing Fields, is spearheading an inquiry into the future of public service broadcasting. It's aim is to look at the 'nature, purpose and role of public service television today and in the future'. The inquiry is being seen as a challenge to the eight-person advisory committee appointed by Culture Secretary John Whittingdale, to guide his conclusions on the renewal of the BBC's Royal Charter. Steve Hewlett talks to Lord Puttnam about what he hopes the inquiry will achieve, and gets his views on the current state of the UK's broadcasting ecology.

The Media Show recently spoke to Jesse Norman, the Chair of the Commons culture, media and sport select committee following a letter he had sent to the Director General of the BBC Tony Hall. Mr Norman raised concerns over the corporation's plans to turn most of its in house production arm into a new commercial subsidiary, BBC Studios, and let it compete in the market for business. Very little detail of the BBC's proposals has been outlined, raising questions about governance, regulation and conflict of interest. Steve speaks to Peter Salmon, Director BBC studios.

The controversial star of I'm a Celebrity...Get Me Out of Here! Lady Colin Campbell has unexpectedly left the jungle today. Love her or hate her, fans of the ITV show agree that she has made compelling TV, in this, the fifteenth series of the format. Steve speaks to one of the original I'm a Celebrity creators Natalka Znak, and to Elaine Bedell, Director of entertainment and comedy at ITV, about the enduring appeal of the show, and why it's continuing to attract audiences, where other formats have failed.

Producer: Katy Takatsuki.

WED 17:00 PM (b06r8qxp)

PM at 5pm - Eddie Mair with interviews, context and analysis.

WED 18:00 Six O'Clock News (b06qv8h0)

Cameron calls for attacks on "medieval monsters", Corbyn warns of mission creep. The Treasury wants to make public

sector redundancy deals less generous

WED 18:30 Tom Wrigglesworth's Hang-Ups (b06qkp8n)

Series 3

Profit and Loss

Mr and Mrs Wrigglesworth receive some bad news about a friend while Granny helps Tom with a "gambling situation".

Sitcom where Tom Wrigglesworth phones home for his weekly check-in with his Mum, Dad and Gran, giving us a glimpse into his family background and the influences that have shaped his temperament, opinions and hang-ups.

Tom Tom Wrigglesworth
Dad Paul Copley
Mum Kate Anthony
Granny Elizabeth Bennett

Written by Tom Wrigglesworth and James Kettle with additional material by Miles Jupp

Producer: Richard Morris

A BBC Radio Comedy production for BBC Radio 4, first broadcast in December 2015.

WED 19:00 The Archers (b06qkp8q)

Lynda gives a rather nervous Harrison Burns a guide to the staging for Calendar Girls and they rehearse a key scene with Harrison as Lawrence the photographer and Lilian's character dropping her robe for a photo. The cast are relieved that the props will help with concealment, but Lynda has to break it to Susan that they won't be wearing body stockings.

People are looking forward to the Bull's grand reopening on Friday. Lilian reports that Lynda's excited to be moving home to Ambridge Hall at last. It might be a bit early for Robert to buy Lynda another dog - perhaps next year.

Clarrie has found Joe some emergency accommodation from the Council. On the way to look at it, Joe accompanies Bert as he goes to plant his rose for Freda in the Bull's garden. Eddie worries about how Joe will cope in his accommodation. Eddie explained to Joe that Will and Ed would love to help out, but I The Green isn't ready yet. Eddie confides in Bert that Joe's trying to make the best of it, but you can see it's breaking Joe's heart.

WED 19:15 Front Row (b06qkp8s)

A Very Murray Christmas, Conductor Xian Zhang, Macbeth at Young Vic, Big Bang show

In the new musical comedy, A Very Murray Christmas, Bill Murray stars as the host of a television Christmas special who is stranded in a New York hotel. Jason Solomons reviews. It's released on Netflix on 4 December.

Xian Zhang's appointment as Principal Guest Conductor of the BBC National Orchestra and Chorus of Wales makes her the first female conductor to have a titled role with a BBC orchestra. She discusses her love of music which started with a homemade piano in China at the age of three, and has taken her to conducting at the highest level in the classical music world.

Following their acclaimed collaboration on Medea at the National Theatre, director Carrie Cracknell and choreographer Lucy Guerin create a new version of Macbeth that fuses Shakespeare's verse with contemporary dance. It's at the Young Vic in London 26 November - 23 January, Birmingham Repertory Theatre 26 - 30 January and at HOME in Manchester 2 - 6 February.

We visit the new exhibition at Somerset House in London, Big Bang Data, about the big data explosion of the 21st century which is radically transforming our lives. Kirsty Lang meets the curator and talks to some of the artists involved. Big Bang Data opens on 3 Dec till 28 Feb.

Presenter: Kirsty Lang
Producer: Elaine Lester.

WED 19:45 15 Minute Drama (b06qkglm)

[Repeat of broadcast at 10:41 today]

WED 20:00 Moral Maze (b06qkp8w)

Moral Certainty

We live in a complex world where it's often hard to know what's the right thing to do - the right thought to think. But there are increasing sectors of our public discourse where any sense of moral ambivalence or doubt will not be tolerated. Race, homosexuality, child abuse are just some of the

touchstones where any expression of doubt is often pounced on and hounded out, especially on social media. Our Moral Maze this week isn't about freedom of speech, or political correctness; it's about the moral value of certainty. We prize and reward moral certainty and consistency, especially in politics, but also business and even sport. Any expression of doubt is seen as weakness - even moral turpitude. Is this a good way of binding society with a set of common values? Or is the public shaming that follows the transgression of those boundaries not so much about morality, but ensuring conformity that itself is a kind of prejudice? Do we need a bit more humility about our moral certainties? Or would that mean bowing thoughtlessly to the latest fashionable cause? Bertold Brecht made the point that doubt is a good servant but a bad master. In an uncertain world if we don't stick to our values do we risk indecisive moral paralysis?

Chaired by David Aaronovitch with Matthew Taylor, Claire Fox, Michael Portillo and Anne McElvoy. Witnesses are Iain McGilchrist, Katie Hopkins, Professor Andrew Samuels and Ben Harris-Quinnery.

WED 20:45 Four Thought (b06qkp8y)
D Is for Diagnosis

Ann York discusses diagnoses - and how receiving one of her own has made her think differently about giving them to others.

Ann is a world-renowned child and adolescent psychiatrist, whose expertise is sought far and wide. In this intimate and fascinating talk she discusses the difficulties of giving a diagnosis, describing the benefits and the disadvantages, and how the young people in her care, and their parents, respond when diagnosed. And in front of an audience at Somerset House she describes how her own experiences with an unexpected diagnosis have affected how she thinks about her own work.

Producer: Katie Langton.

WED 21:00 The Incubator (b06qhlj3)
[Repeat of broadcast at 11:00 on Monday]

WED 21:30 Midweek (b06qkfdm)
[Repeat of broadcast at 09:00 today]

WED 22:00 The World Tonight (b06qkp90)
MPs vote on military action against IS

10 1/2 hour parliamentary debate; reaction from Syria; RAF planes on standby.

WED 22:45 Book at Bedtime (b06s2jhg)
Dark Corners

Episode 3

In this, her final novel, Ruth Rendell returns to a favourite theme: investigating the dark places reached by humans when psychological pressure is brought to bear upon them.

Debut crime novelist, Carl, struggling to make ends meet, bitterly regrets accepting the first person to apply to rent the top part of his house. Dermot has proven to be a slippery and manipulative tenant, making much of his knowledge that Carl sold slimming pills to a friend who subsequently died. Indeed, Dermot has now stopped paying rent altogether. Almost broke, Carl reluctantly faces the prospect of having to confess all to Nicola, his girlfriend.

Read by Patricia Hodge.

Abridged by Robin Brooks.

Produced by Kirsteen Cameron.

WED 23:00 Little Lifetimes by Jenny Eclair (b06qkq9l)
Series 2

Beverley in Shoes

by Jenny Eclair

Beverley Samantha Spiro

Beverley might have once travelled the world but now she prefers watching programmes about baking. Beverley wants security and safety, but why?

Producer, Sally Avens

WED 23:15 Before They Were Famous (b03cnjpp)
Series 2

Episode 1

Even the most successful of writers have, at some point, had to take day jobs to pay the bills.

Ian Leslie presents the second series of this Radio 4 spoof documentary, which sheds light on the often surprising jobs done by the world's best known writers in the days before they were able to make a living from their art.

In a project of literary archaeology, Leslie unearths archive examples of early work by great writers, including Fortune Cookie messages written by Germaine Greer, a political manifesto by the young JK Rowling, and a car manual written by Dan Brown. In newspaper articles, advertising copy, and company correspondence, we get a fascinating glimpse into the embryonic development of our best-loved literary voices.

We may know them today for their novels, plays or poems but, once upon a time, they were just people with a dream - and a rent bill looming at the end of the month.

Producers: Anna Silver and Claire Broughton

A Hat Trick production for BBC Radio 4.

WED 23:30 Today in Parliament (b06qkpcb)

Susan Hulme reports from Westminster as MPs vote on military action in Syria.

THURSDAY 03 DECEMBER 2015

THU 00:00 Midnight News (b06qv8hv)

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

THU 00:30 Book of the Week (b06qkqgh)

[Repeat of broadcast at 09:45 on Wednesday]

THU 00:48 Shipping Forecast (b06qv8hx)

The latest shipping forecast.

THU 01:00 Selection of BBC World Service Programmes (b06qv8hz)

BBC Radio 4 joins the BBC World Service.

THU 05:20 Shipping Forecast (b06qv8j1)

The latest shipping forecast.

THU 05:30 News Briefing (b06qv8j3)

The latest news from BBC Radio 4.

THU 05:43 Prayer for the Day (b06rfgn7)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

THU 05:45 Farming Today (b06qkr4j)

Slavery in British farming. Saving the world's grasslands, The Milk Fountain

Migrant workers employed in the food and farming industry in Lincolnshire say they are the victims of modern day slavery. The BBC's Linsey Smith has uncovered exploitation, low wages, dangerous working conditions and poor treatment.

Environmentalist Allan Savory says better livestock management is the key to halting climate change. As others call for a cut in meat consumption to reduce greenhouse gases, he says farmers should be managing stock to mimic nature and it could save the grasslands from turning into deserts.

And farmers take the countryside to the capital - we're on London's South Bank to take a look at large milk bottle fountain.

Presented by Charlotte Smith and produced by Sybil Ruscoe.

THU 05:58 Tweet of the Day (b04t0msp)

Black Swan

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Sir David Attenborough presents a widely regarded symbol of Australia, the black swan. These stately looking birds are native to the wetlands of south-western and eastern Australia. The New Zealand population was hunted to extinction but has now been reintroduced there. Their plumage is charcoal grey rather

than black and beautifully ruffled along their lower back, hiding the white primary feathers which are fully revealed in flight. Their only colour is a raspberry- coloured bill. Black swans behave like nomads, tracking local rains and breeding when they can. In Britain as a collection bird, a few have even cross-bred with mute swans to produce a greyish hybrid nick-named the 'Blute Swan'.

THU 06:00 Today (b06qkr6d)

Morning news and current affairs. Includes Sports Desk, Yesterday in Parliament, Weather and Thought for the Day.

THU 09:00 In Our Time (b06qkrks)

Voyages of James Cook

Melvyn Bragg and guests discuss the scientific advances made in the three voyages of Captain James Cook, from 1768 to 1779. Cook's voyages astonished Europeans, bringing back detailed knowledge of the Pacific and its people, from the Antarctic to the Bering Straits. This topic is one of more than a thousand different ideas suggested by listeners in October and came from Alysoun Hodges in the UK, Fiachra O'Brolchain in Ireland, Mhairi Mackay in New Zealand, Enzo Vozzo in Australia, Jeff Radford in British Columbia and Mark Green in Alaska.

With

Simon Schaffer

Professor of the History of Science at the University of Cambridge

Rebekah Higgitt

Lecturer in the History of Science at the University of Kent

And

Sophie Forgan

Retired Principle Lecturer at the University of Teesside
Chairman of Trustees of the Captain Cook Museum, Whitby

Producer: Simon Tillotson.

THU 09:45 Book of the Week (b06qkrkv)

Railways - Nation, Network and People

Episode 4

A magnificent account of Britain's railways and how track and carriage united a nation.

This series of readings includes an exploration of many aspects of the railway revolution, such as the challenges of 'railway time', the nuances of first, second and third class, the difficulties of lighting and heating, passenger comfort, what to eat when travelling and the history of refreshment stops and the commercial opportunities they brought - including the establishment of W.H.Smith and Son, who became the nation's first high street bookstore. Architecture and engineering are also covered, alongside the impact on social classes and gender.

Passengers may have a love-hate relationship with our railways, but few of us know much about the journey taken to get to where we are now.

"Simon Bradley's The Railways is magisterial. It's both authoritative and absorbing. A first class journey." Michael Palin

Episode 4. The railways altered the shape and character of the landscape, as well as giving us access to all corners of the country. Feats of engineering created bridges that have stood the test of time.

Read by Stephen Tompkinson

Abridged and produced by Jill Waters

A Waters Company production for BBC Radio 4.

THU 10:00 Woman's Hour (b06qkrks)

Listener Week, Knitted art, Being vegan, Santiago at 70, Selling the family home

In the fourth of our Listener Week programmes we talk to listeners Hannah Phoebe Bowen and Lunda Kinnard about what attracts them to their vegan lifestyles.

70-year old Woman's Hour listener Maggie de Vos recalls how she walked 500 miles across Spain on a pilgrimage from Pamplona to Santiago. She self-published her diary 'Santiago at Seventy', and tells Jenni what motivated her to set out alone.

As part of our series Women in One, reporter Abigail Hollick asks a woman and her husband sitting on a bench by Albert Dock in Liverpool about bringing up their children.

Listeners feedback about the Woman's Hour item 'Getting Your Dream Job'.

22-year old textile design graduate and Woman's Hour regular listener Alice Blackstock from Bangor in Northern Ireland describes how she creates art on her 1950s knitting machine.

Listeners Sophie Jonas-Hill and Joan Willows discuss the emotional impact of selling the house they grew up in.

Presenter: Jenni Murray.

THU 10:45 15 Minute Drama (b06qm3mf)
Greater Love

Episode 4

Emmy has the fever herself, and William and Catherine have taken her into the rectory. Marshall Howe, the official burier of the dead, discovers a lone child, who is traumatised and unable to speak.

Don Shaw's drama series charting the true story of the Plague in Eyam, Derbyshire in 1665.

William Al Weaver
Catherine Emily Pithon
Thomas Stanley David Calder
Emmy Charlie May-Clark
Rowland Gerard Kearns
Alice Sydall Daryll Fishwick
Thornley Roger Morlidge
Marshall Howe Ian Bartholemew

Producer: Pauline Harris

First broadcast on BBC Radio 4 in November 2015.

THU 11:00 Crossing Continents (b06qm3mh)
Albania: Shadows of the Past

Maria Margaronis explores the debris of Albania's painful past-the prison labour camps, concrete bunkers and secret police headquarters--as archives are unlocked and new monuments put up in an effort to redefine who Albanians are. The country's citizens are trying to come to terms with history and move on from Enver Hoxha's dictatorial regime, the pyramid schemes and the political and economic collapse that followed. Instead of moving on, though, many are moving out of the country altogether. Do their leaders' efforts represent real change, or are they just an attempt to plaster over the cracks and reinforce Albania's plan to enter the EU?

THU 11:30 Writing a New Nigeria (b06qm3mk)
Ideas of Identity

A portrait of Nigeria, seen through the eyes of a new generation of writers and poets. In the second programme of the series, Wana Udobang meets the writers who are exploring Nigerian ideas of identity.

The protagonist in Igoni Barrett's latest novel is a black Nigerian who, one morning, wakes up white. Barrett uses this scenario to explore Nigerians' sense of themselves in relation to other nationalities - particularly Europeans and Americans.

Wana also considers Nigerian geographical and ethnic identities. The north of Nigeria is under-represented in Nigerian English-language literature. Novelists Abubakar Adam Ibrahim and Elnathan John are addressing this imbalance: both have written books which are set in the North but which give a more nuanced portrayal, beyond Boko Haram and communal conflict. Elnathan's novel is a coming-of-age story and Abubakar's is a romance between a widow and a young gangster. We also hear from poet and novelist Lola Shoneyin who takes on the sensitive subject of polygamy in her story The Secret Lives of Baba Segi's Wives.

Nigeria is a country of many languages. Alongside English - and Pidgin English - there's Hausa, Yoruba, Igbo and many others. Writers Kola Tubosun and Jumoke Verissimo consider the influence of these on writing in English - and the way that both fiction and social media can promote the survival of minority languages.

But if fiction is to flourish, it needs an infrastructure. Many established novelists have had to look outside Nigeria to achieve recognition and success. Publishers Eghosa Imasuen and Bibi Bakare-Yusuf discuss the challenges of popularising poetry and fiction in a market where self-help and inspirational books completely outsell every other genre.

'Writing a New Nigeria' is produced in partnership with the British Council as part of UK/Nigeria 2015-16

Producer: Jeremy Grange.

THU 12:00 News Summary (b06qv8j5)

The latest national and international news from BBC Radio 4.

THU 12:04 One to One (b06rk9lc)
Emma Barnett

Emma Barnett is 29 and Women's Editor of the Daily Telegraph. She regards herself as a feminist: she demands equality in the workplace and in all aspects of her secular life. But she has a secret. As an orthodox Jew, when attending synagogue, she is happy to sit separately from the men, not to take part in the service and finds it hard to embrace the concept of women rabbis.

Emma tries to resolve this contradiction by talking to Sarah, who also wrestles with this dilemma - the values she holds in her secular life are not the same as those she holds onto in her religious one.

Sarah is a highly successful barrister, a feminist and orthodox Jew, she explains how she relieves the tensions raised by her contradictory life.

Producer: Lucy Lunt.

THU 12:15 You and Yours (b06r0b4b)
Lies, Fraud and Forgery

You & Yours investigates what happened to millions of pounds of pension money, that was invested by more than a thousand people into a self-storage firm.

The programme has heard from dozens of people who transferred their frozen pensions into the unregulated investment, and who are concerned their funds are now worthless.

Investigative reporter, Shari Vahl, speaks to former salesman who says lies, fraud and forgery was used to get £100 million transferred into the UK firm, Store First.

Those salesmen, who worked for a separate sales firm, Jackson Francis, say their immediate managers told them to lie to get clients signed up. They also admit forging documents, and witnessing other staff copying client signatures.

The programme uncovers details of secret multi-million pound commission deals arranged between Store First, and the company that was funding the Liverpool sales team, TransEuro Worldwide Holdings Ltd.

Over two years, £33 million was paid by Store First to Gibraltar based, TransEuro.

The controllers of Jackson Francis, TransEuro Worldwide Ltd, and Store First say that didn't know about any of the salesmen's allegations.

Presented by Winifred Robinson
Produced by Natalie Donovan.

THU 12:57 Weather (b06qv8j7)
The latest weather forecast.

THU 13:00 World at One (b06r0b4g)

After MPs voted for military action, British jets have been in action against targets in Syria, with eight more planes leaving the UK to join the air strikes. We assess the importance of oil revenue to the group Islamic State. We'll get reaction from Syria and Russia and look at the political fall out here. Also on the programme, the Justice Secretary Michael Gove has scrapped the controversial criminal courts charge. We'll get the details.

THU 13:45 A Walk of One's Own: Virginia Woolf on Foot (b067wnnd)
Sussex

Alexandra Harris visits East Sussex, where Virginia Woolf lived and walked from 1911 until her death.

Asham, was the Woolf's first home - re-named 'Little Talland House' - making it the descendant of the Cornish holiday home she had loved as a child. Virginia and Leonard lived through the first world war here, and left with great sadness when the lease was up.

Their next home, Monks House was small and basic, but it was theirs. The garden was vast, with a view on to the fields and hills beyond, where Woolf loved to roam alone for hours, reciting her words to herself after a morning writing. There were almost too many possible paths: towards Charleston - the home of Woolf's sister Vanessa, or across Iford Down, or along the river to Piddinghoe.

In the company of Scarlett Baron, Alexandra Harris steps out in

Woolf's footsteps to the river Ouse and Southeast, the route she would have taken most often, to the post office.

Producers: Sarah Bowen and Sara Jane Hall.

THU 14:00 The Archers (b06qkp8q)
[Repeat of broadcast at 19:00 on Wednesday]

THU 14:15 Drama (b06r8gms)
1977

by Sarah Wooley

In 1977 the bestselling children's novel Watership Down was made into an animated film. Malcolm Williamson, Master of the Queens music, had been hired as the film's composer. But all was not well. Williamson, a notoriously difficult and complicated man, was under extreme pressure; it was the Queens jubilee year and he was over commissioned. When the film's conductor, Marcus Dods, arrived looking for the film's score he found to his horror that all that existed were two small sketches of music which amounted to no more than seven minutes of screen time. With an expensive orchestra and recording studio booked for the following week, the film's future looked to be in jeopardy. In desperation he turned to the one person he knew could help: composer and arranger Angela Morley. But she, for her own reasons, was going to need some persuading...

Directed by Gaynor Macfarlane.

THU 15:00 Open Country (b06qml0k)
Welsh Valleys after Coal

Felicity Evans asks how the valleys of south Wales near Caerphilly have fared since the mines closed. She visits new parklands that have been planted where the collieries once stood.

She begins at Senghenydd, site of two mining disasters just one hundred years ago, one of them the worst ever experienced at a UK mine. Former teacher in the village and now a broadcaster, Roy Noble reflects on the legacy of the disaster, and how it's still remembered even though a primary school has been built on the site of the mine, since the pit was closed nearly 50 years ago.

Felicity also visits two other parks in the Caerphilly area which have been created on the sites of former collieries: Parc Cwm Darran which was planted in the 1980s, and Parc Penallta, which has been developed since the Millennium. How do residents relate now to their local landscape, and the memorials to the industry that once defined the region?

Producer: Mark Smalley.

THU 15:27 Radio 4 Appeal (b06gg0nn)
[Repeat of broadcast at 07:54 on Sunday]

THU 15:30 Open Book (b06qgp5m)
[Repeat of broadcast at 16:00 on Sunday]

THU 16:00 The Film Programme (b06qml0n)

Terence Davies on Sunset Song, Chris Milk on Virtual Reality

With Francine Stock

Terence Davies talks about Sunset Song, which has been 18 years in the making

Virtual reality guru Chris Milk discusses the future of making feature films in the new medium.

Mike Kelt reveals how to make it rain in the movies.

Documentary-maker Mark Burman explains why he transcribed the script of Star Wars at the age of 13, after watching it 21 times.

THU 16:30 BBC Inside Science (b06qml0r)
Science funding, Carbon capture storage, Graphene

Science Funding Review

In the Comprehensive Spending Review last week, the Government announced its commitment to protect the science budget in 'real terms'. After five years of declining spending on science, this has been welcomed by many in the research community. But a lot of the detail is still to emerge. Adam asks Minister for Universities and Science, Jo Johnson where the extra funds are coming from? Is it a case of money being moved around, between departments or is there really an extra £1.5 billion, over the next 5 years, in the science research pot?

Carbon Capture Storage

Five years ago, amid much fanfare, the Chancellor of the Exchequer, George Osborne, committed £1 billion to the development of carbon capture and storage - the technology to extract carbon dioxide from the exhaust streams of power stations, and bury it underground. This technology is one strategy for reducing our impact on the climate while keeping coal, oil and gas as options for generating energy. Given the discussions going on right now over in Paris at the United Nations Climate Change Conference, COP 21, this might seem like a suitable commitment for the UK's plans to address global warming. But in the recent Comprehensive Spending Review, the Government have withdrawn the money, effectively ending the current CCS research in the UK.

Graphene

In contrast, one of the many recent success stories in UK science, graphene, is set to be a focus of research in the Government's plans. Graphene is the world's first truly two dimensional material; incredibly strong, very light and extremely flexible. It is also capable of conducting heat and electricity, so it is a material exciting scientists and industry alike. Since the isolation of graphene in Manchester in 2004 the UK has been at the forefront in graphene research. This year the National Graphene Institute in Manchester was opened, with a remit to link basic, fundamental research to graphene commerce and industry.

Producer: Fiona Roberts.

THU 17:00 PM (b06r0b4n)

Eddie Mair with interviews, context and analysis.

THU 18:00 Six O'Clock News (b06qv8j9)

3/12/2015

David Cameron warns bombing campaign against Islamic State group in Syria will take time

THU 18:30 Tina C (b06qmpqw)

Tina C: Herstory

Episode 1

Country music star Tina C presents her life story, starting with her humble origins in deepest Tennessee and taking us all the way to where she stands today - a global feminist icon, and political powerhouse. And she can still knock out a tune or two too.

Tina will be joined on stage by a three-piece band who will help her recreate her biggest hits, and a special guest interviewer who will talk to her about her struggles.

In this first episode, Tina recalls her childhood. A humble start in life provides a rich seam of stories which fed into her early work. Family has always been important to Tina - as tracks like *Hard Times*, *Don't Be Afraid to Start Crying*, and *Tramp* on a Trampoline show.

From the moment her second album *No Dick's As Hard As My Life* was released, the world took notice of country music singer Tina C. Since then she has become a global brand. Following 9/11 she has been travelling the world 24/11 working for peace and being a poster girl for American democracy, selling that unique vision of hope to the rest of the world whether they want it or not. Seductive and persuasive, she is here to recruit you to her world view. She is the living embodiment (and what a body) of soft power. Tina C. has performed in venues all over the world, with her own TV show and five series on BBC Radio. You can run but you can't hide from Tina C.

Tina is the creation of Christopher Green, a multi-award winning writer and performer.

"Tina C is one of my favourite performers. She is witty, often outrageous and always in tune! I can't wait to see what Chris Green comes up with next" Sir Ian McKellen

"Christopher Green's Tina C is one of the great comic creations of the age. A genuinely fine country singer, but with a twist of satire and insight which is rare and to be highly prized". Stephen Fry

Written & performed by Christopher Green.

Additional voices: Debra Baker & Leo Wan.

The Band: Duncan Walsh-Atkins, Mark Hardisty & Phil Wraith.

Special guest interviewer: Dr Raj Persaud.

Producer: Victoria Lloyd

First broadcast on BBC Radio 4 in 2015.

THU 19:00 The Archers (b06qmpqy)

Rex and Toby help with the village hall refurbishment by

delivering Jennifer's old kitchen units. Adam spots them loading it up and for a moment thinks they're thieves. The boys are clearly doing their best to make themselves more popular with the local community - which will of course also be good business PR for them. Toby even tries to schmooze Adam about his interest in soil fertility, as Adam and Brian head off to see a farm for a soil fertility day.

Meanwhile, Kate has got planning permission for her, as Brian calls it, "mad scheme". Adam says she might surprise them, but Brian points out Kate's track record. On their journey they spot that Keepers Cottage has been let. Adam worries about the Grundys, who have to leave Grey Gables any day now. At the Witney farm, Brian's impressed by a chap who's not as radical as Adam, but Adam says that in five years' time these farmers will be modelling themselves on Home Farm.

Toby teases Rex about his feelings for Pip. Rob seems rather uninterested in the upcoming touch-rugby event (not physical enough). He also declines the offer of Fairbrother geese for the Bridge Farm shop, mentioning that they're not organic.

Rob has organised a private scan for Helen and is delighted to discover they're having a boy.

THU 19:15 Front Row (b06qy764)

Carlos Acosta, Sheridan Smith's *Funny Girl*, Gregory Porter

John Wilson talks to ballet star Carlos Acosta, as he begins his farewell UK tour.

Susannah Clapp reviews a new production of *Funny Girl*, starring Sheridan Smith in the role made famous by Barbra Streisand.

Gregory Porter talks about the special edition of his Grammy award-winning jazz album *Liquid Spirit*.

And Ian McMillan on his poem for the Trafalgar Square Christmas tree, inspired by schoolchildren.

THU 19:45 15 Minute Drama (b06qm3mf)

[Repeat of broadcast at 10:45 today]

THU 20:00 The Report (b06qmpr0)

Changing Jihad Minds

How do you go about trying to change a person's fundamental beliefs? And how do you decide who is in need of state intervention to do so?

Public sector workers now have a legal obligation to refer suspected Islamist and far right extremists to a local body known as a Channel panel. Referees deemed to hold extremist views are offered ideological mentoring, usually on a voluntary basis.

The government says its Channel deradicalisation programme is a success, helping prevent vulnerable people from being drawn into terrorism. But some British Muslims see it as a Big Brotherish state spying operation, wreathed in secrecy and suspicion. John Ware enters the "pre-criminal space" to find out - from the inside - how Channel works.

Producer: Simon Maybin

Researcher: Kirsteen Knight.

THU 20:30 In Business (b06qmpr2)

Antony Jenkins Talks to Kamal Ahmed

In his first interview since being ousted as Chief Executive of Barclays, Antony Jenkins talks to the BBC's Business Editor, Kamal Ahmed. He discusses the challenges he faced at the troubled bank as he sought to change the culture and behaviour of its staff. And he predicts a worrying future for the banking sector, which he says could see staffing levels halved as technology and financial start-ups transform the industry.

Producer Caroline Bayley.

THU 21:00 BBC Inside Science (b06qml0r)

[Repeat of broadcast at 16:30 today]

THU 21:30 In Our Time (b06qkrks)

[Repeat of broadcast at 09:00 today]

THU 22:00 The World Tonight (b06qmq75)

Latest on Syrian airstrikes, Can Labour heal its deepening rift?

Top US official tells us how America plans to defeat ISIS; can the Labour Party heal its deepening rift? And why the thirst for whisky has gone global.

THU 22:45 Book at Bedtime (b06s2kq3)

Dark Corners

Episode 4

The final novel by Ruth Rendell, read by Patricia Hodge.

Dermot's threatening presence in the house in Maida Vale has become all-pervasive. After Carl reveals the hold Dermot has over him, Nicola decides to confront him herself. But Dermot refuses to be cowed and instead turns the focus upon her, describing how abhorrent he finds it that she and Carl are living in sin. A dark and atmospheric tale of suspense by a doyenne of the form.

Read by Patricia Hodge.

Abridged by Robin Brooks.

Produced by Kirsteen Cameron.

THU 23:00 Jon Ronson On (b01rw4q3)

Series 7

Being Normal

As a new edition of the American Diagnostic and Statistical Manual of Mental Disorders (DSM) is published this year, writer and documentary maker Jon Ronson travels around the UK meeting people whose behaviour might be considered normal, but may soon fall under the criteria of some brand new disorders.

He goes to a competitive eating competition in Bristol to speak to a man who has been obsessed with his weight. And he visits Adam Buxton, who may be a candidate for "intermittent explosive disorder" as he is prone to losing his temper in an explosive way.

Psychiatrist Dr Joanna Moncrieff says she believes the DSM is amplifying a tendency to label more and more people as having health problems. While Dr Jeffrey Lieberman, president elect of the American Psychiatric Association, which publishes the DSM, defends the manual saying it does not attempt to pathologise normal behaviour such as anger but look at repeated behaviour.

Jon also hears from David Aaronovitch who was sent to a psychiatrist by his parents for being a shouty teenager and he wonders if, these days, he would be misdiagnosed? Finally Jon speaks to Alex Trenchard who tells his story for the first time of how his obsession with his music festival resulted in a prison sentence.

Producer: Lucy Greenwell

A Unique production for BBC Radio 4.

THU 23:30 Today in Parliament (b06qmq79)

Sean Curran reports as there are calls for a security review over the abuse directed at some MPs over the vote on bombing Syria and for a faster roll-out of broadband services.

The House of Lords debates the Chancellor's autumn statement, the Commons calls for greater tax transparency in Britain's Overseas Territories and MPs marvel at the Speaker's staying power.

FRIDAY 04 DECEMBER 2015**FRI 00:00 Midnight News (b06qv8zs)**

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

FRI 00:30 Book of the Week (b06qkrkv)

[Repeat of broadcast at 09:45 on Thursday]

FRI 00:48 Shipping Forecast (b06qv8k4)

The latest shipping forecast.

FRI 01:00 Selection of BBC World Service Programmes (b06qv8k6)

BBC Radio 4 joins the BBC World Service.

FRI 05:20 Shipping Forecast (b06qv8k8)

The latest shipping forecast.

FRI 05:30 News Briefing (b06qv8kb)

The latest news from BBC Radio 4.

FRI 05:43 Prayer for the Day (b06rth6q)

Spiritual reflection and prayer to start the day with the Rev Duncan MacLaren.

FRI 05:45 Farming Today (b06qmgyx)

Badger TB jabs, Crofting, Embrapa and meat substitute made from potato!

The global shortage of TB jabs could now hit the badger vaccination programme in England. The British Veterinary Association says the need for human vaccine should have priority.

Herefordshire Council is selling nearly five thousand acres of tenant farmland.

We meet a biochemist who's made meat out of potatoes - well it's actually meat tasting food made from potato, soy and wheat and he believes it could help in the battle to save our climate.

And Nancy Nicolson reports on preserving the crofting lifestyle. Can it survive an influx of newcomers?

Presented by Caz Graham and produced by Sybil Ruscoe.

FRI 05:58 Tweet of the Day (b0410m7p)

Red-throated Caracara

Tweet of the Day is the voice of birds and our relationship with them, from around the world.

Sir David Attenborough presents the red-throated caracara from the Amazonian rainforest. The size of buzzards, red-throated Caracaras are black- and -white birds of prey that travel together when searching for paper wasp nests among the leaves. While some birds search for food, others act as sentinels on the lookout for predators. If a monkey or a spotted cat approaches, the sentinel will alert the flock and together they will mob the intruder with loud calls. They specialise in bee and wasp grubs, but seem impervious to stings and it was once thought that they may possess a special repellent which deters the adult insects. Latest research now shows that when they are disturbed by the caracaras, paper wasps keep away from their damaged nest to avoid further danger and so the birds simply take advantage of the wasp's absence.

FRI 06:00 Today (b06qrmt7)

Morning news and current affairs. Includes Sports Desk, Yesterday in Parliament, Weather and Thought for the Day.

FRI 09:00 Desert Island Discs (b06qg1ls)

[Repeat of broadcast at 11:15 on Sunday]

FRI 09:45 Book of the Week (b06qms9j)

Railways - Nation, Network and People

Episode 5

A magnificent account of Britain's railways and how track and carriage united a nation.

This series of readings includes an exploration of many aspects of the railway revolution, such as the challenges of 'railway time', the nuances of first, second and third class, the difficulties of lighting and heating, passenger comfort, what to eat when travelling and the history of refreshment stops and the commercial opportunities they brought - including the establishment of W.H.Smith and Son, who became the nation's first high street bookstore. Architecture and engineering are also covered, alongside the impact on social classes and gender.

Passengers may have a love-hate relationship with our railways, but few of us know much about the journey taken to get to where we are now.

"Simon Bradley's The Railways is magisterial. It's both authoritative and absorbing. A first class journey." Michael Palin

Episode 5: The enduring appeal of the railways - enthusiasts are so much more than just trainspotters. And what do trainspotters do anyway?

Read by Stephen Tompkinson

Abridged and produced by Jill Waters
A Waters Company production for BBC Radio 4.

FRI 10:00 Woman's Hour (b06qv7nd)

Listener Week. Innovative sanitary pad producing in Zaatari refugee camp

Jill Watts and university life in your 70's.

Amy Peake and her innovative quest to produce sanitary pads in

Zaatari Refugee camp in Jordan.

The female menopause seen through the eyes of their male partners. Listener Paul Freeman and Patrick Shervington discuss.

Listener Hilary Johnson explains her choice to make and sell handbags and give up her health and social care career.

Further thoughts from on having to sell the family home.

FRI 10:45 15 Minute Drama (b06qms9m)

Greater Love

Episode 5

Rowland tries desperately to find a way for he, Emmy and the boy to flee the village, but it's too late. As the loss increases in the village, William and Stanley reconcile their differences.

Conclusion of Don Shaw's drama series charting the true story of the Plague in Eyam, Derbyshire in 1665.

William Al Weaver
Catherine Emily Pithon
Thomas Stanley David Calder
Emmy Charlie May-Clark
Rowland Gerard Kearns

Producer: Pauline Harris

First broadcast on BBC Radio 4 in November 2015.

FRI 11:00 Ancient Ways with Bettany Hughes (b06qms9p)

Episode 1

Bettany Hughes follows the ancient Roman road to Istanbul. Tracing its route through Albania, Macedonia and Greece, she explores how the Egnatian Way helped to shape Europe and the Middle East.

Founded in the second century BC, the Via Egnatia was a critical axis of the Roman Empire. It joined Rome to the riches of the east, and became the site of some of the most significant turning points of its history - the place where the forces of the Roman republic lost to the heirs of Julius Caesar, and the route on which St Paul brought Christianity to Europe. Later it was the route the Crusaders took to the holy land, a vital Byzantine communication link and the base from which the Ottoman Turks controlled their vast European holdings.

In the first episode, Bettany journeys from Adriatic shores of Albania to the Macedonian plain where Alexander The Great grew up.

Written and presented by Bettany Hughes

Producer: Russell Finch
A Somethin' Else production for BBC Radio 4.

FRI 11:30 Michael Frayn's Matchbox Theatre (b06qms9t)

Episode 2

Michael Frayn - the most comic philosophical writer of our time.

An all-star cast has great fun with Frayn's hilarious view of us all. People talking. To each other, to the world at large, to themselves. Explaining. Heard, overheard, half-heard.

In this episode, we eavesdrop on two strangers in a café. Patricia Hodge is the woman who can't get names right. Joanna Lumley, listening in at the next table, longs to correct her. Adam Godley becomes increasingly obsessive in a doctor's surgery. Matthew Wolf, attending a lecture on words, doesn't care for the phrase 'if you like'. Sophie Winkleman and Charles Edwards, trying to find their destination, have 'WIC' - that's 'Words in Car'.

Stephen Fry is a politician who believes he has mastered the intricacies of his mobile phone. Tom Hollander and Nigel Anthony share confidences in their own mathematically precise language. And Julian Sands suffers at the hands of Martin Jarvis' Pinteresque writer-tormentor.

This four-part series is Theatre in miniature. Short entertainments based on Frayn's recently acclaimed book, Matchbox Theatre. His brand new collection, now on the radio - the theatre of the listener's imagination. Set design, ice-cream sales, packet of nuts, where to sit - it's up to you. Just sit back and enjoy.

With
Patricia Hodge
Joanna Lumley
Adam Godley
Matthew Wolf

Sophie Winkleman
Charles Edwards
Stephen Fry
Tom Hollander
Nigel Anthony
Julian Sands
Martin Jarvis.

Producer: Rosalind Ayres
Director: Martin Jarvis

A Jarvis and Ayres production for BBC Radio 4 first broadcast in December 2015..

FRI 12:00 News Summary (b06qv8kd)

The latest national and international news from BBC Radio 4.

FRI 12:04 One to One (b06rk8zp)

Michael Grade speaks to Juno Roche

Michael Grade has always been fascinated by those who choose to take great risks. Michael was born into an immigrant family who risked everything to find a new life in an unknown country.

In this programme for the interview series One to One, he talks to Juno Roche who also took the same leap of faith into a new world when she transitioned two years ago.

Juno says that in choosing to change sex the risk is all encompassing: 'You have no idea what awaits you on the other side. Will you be able to walk down the street without being labelled a freak? Will you have any friends or family who will accept you?'

Producer: Lucy Lunt.

FRI 12:15 You and Yours (b06qv7ng)

Fake Facebook profiles, Argos deliveries, High streets minister

A You & Yours listener has accused Facebook of long delays in taking down a fake profile, which was used to bully his teenage daughter. The use of social media by bullies has been widely reported, but questions remain over whether social media companies respond quickly and decisively enough when they are told that their sites are being misused.

The government's high streets minister Marcus Jones tells You & Yours about his vision for the future of England's town centres. There are fewer empty shops now than at any time since 2010, but many towns are still struggling to inject life into their main shopping streets.

Argos customers have been telling us that the company is struggling to keep its promises on delivery times. Last month Argos launched a same-day delivery service, but You & Yours listeners report that the system is failing, with delays and poor customer service.

The re-designed streets without kerbs, crossings and traffic signs. It's claimed that "shared spaces" can reduce the number of accidents because motorists and pedestrians take extra care when they know they are sharing the same space. We visit one of these schemes and hear the arguments for and against the idea.

Producer: Jonathan Hallowell

Presenter: Peter White.

FRI 12:57 Weather (b06qv8kg)

The latest weather forecast.

FRI 13:00 World at One (b06qv7nj)

In his first British interview since the Commons voted in favour of air strikes, Jens Stoltenberg, NATO's Secretary General, tells us why he's worried by Russia's intervention.

FRI 13:45 The Light (b05y4f9g)

The author Bernard Hare recalls the day, forty years ago, his dad took him on a terrifying trip down a coal mine - and how that day changed his life. This is a story of fatherhood, fear and learning.

Writer & Presenter: Bernard Hare.

Producer: Charlotte Pritchard.

FRI 14:00 The Archers (b06qmpqy)

[Repeat of broadcast at 19:00 on Thursday]

FRI 14:15 Drama (b06qmtzr)

Tess in Winter

Inspired by the novel 'Winter' by Christopher Nicholson and

dramatised by Sara Davies.

The most famous writer of his day is living in chilly seclusion in Dorset with his second wife and former secretary, Florence. Between these two frozen hearts comes the talented amateur actress Gertrude Bugler, playing Tess in the first production of Hardy's play, provoking local and national fascination.

Florence determines to put a stop to what she sees as Hardy's ludicrous infatuation with the young woman. Gertie is caught in the middle, longing to play Tess on the London stage.

Florence Hardy often found herself dealing with the many journalists and admirers who wanted access to her celebrated husband. Caught off-guard, Thomas has agreed to be the subject of a fly-on-the-wall documentary, but he hands the interviewer on to his wife, who reveals more than she intends about her husband's fascination with Gertrude.

Vibrant performances and a sensitive, unusual treatment bring new light to a story that continues to fascinate.

Dramatist...Sara Davies

Music...Jon Nicholls
Production Manager...Sarah Goodman
Director...Mary Ward-Lowery.

FRI 15:00 Gardeners' Question Time (b06qmtzy)
Usk, Monmouthshire

Eric Robson hosts the horticultural panel programme from Usk in Monmouthshire.

Pippa Greenwood, Matthew Wilson and Christine Walkden answer this week's gardening queries.

A Somethin' Else production for BBC Radio 4.

FRI 15:45 e=mc2 (b06qmv00)
Robin Ince - Thoughts While Plummeting

Taking inspiration from Einstein's General Theory of Relativity - Robin Ince's story of an unusual schoolboy who becomes engrossed by the science he sees all around him and goes off in pursuit of 'the happiest thought'.

Writer: Robin Ince

Read by Carolyn Pickles.

Producer: Jenny Thompson

First broadcast on BBC Radio 4 in November 2015.

FRI 16:00 Last Word (b06qmv02)
General Sir Robert Ford, Hazel Adair, Jane Wardle, Gerry Byrne and P.F Sloan

Matthew Bannister on

General Sir Robert Ford who was Commander Land Forces Northern Ireland at the time of the Bloody Sunday shootings.

Hazel Adair, the TV scriptwriter behind hit series like Compact, Emergency Ward 10 and Crossroads.

Professor Jane Wardle, the behavioural scientist who transformed our understanding of cancer screening and prevention.

Gerry Byrne, the Liverpool left back who was part of the England World Cup winning squad in 1966.

And PF Sloan, the enigmatic musician who wrote the number one hit "Eve of Destruction"

FRI 16:30 Feedback (b06qv7rb)
BBC World Service Soft Power

The British Government has just allocated £289 million to the World Service for the next five years, in a bid to promote UK soft power. But where will this money go, and what does this mean for the BBC's independence? Roger Bolton talks to the Director of the BBC World Service Group Francesca Unsworth.

With the arrival of Advent came a Radio 3 Carol Service, performed by the Choir of St John's College, Cambridge. Some listeners were impressed by the new compositions alongside traditional favourites, but others were put off by some of the more modern works. Should advent be a time for challenging new music or comforting classics? Roger asks the series producer of Radio 3's Choral Evensong, Philip Billson.

Radio 2's Friday Night is Music Night has been broadcasting

for over 60 years, offering listeners a weekly programme of popular music performed by the BBC Concert Orchestra and a myriad of stars. But can a programme from the 1950s pull in a wide age-range of listeners and can it justify the expense of a full orchestra? Roger Bolton goes behind the scenes, speaking to Strictly Come Dancing judge and guest presenter Craig Revel Horwood and the production team, to find out what goes into making the world's longest-running live orchestral music programme on radio.

Last week Glenda Jackson returned to acting, after a 23 year absence, playing Dide in the first season of Blood, Sex and Money on Radio 4. The series is a 'mash-up' of 20 of Zola's novels. Many listeners lapped up the drama. Roger Bolton speaks to Commissioning Editor Jeremy Howe about whether you have to follow the text word-for-word to be faithful to the spirit of the author.

Producer: Katherine Godfrey
A WhistledownpProduction for BBC Radio 4.

FRI 16:55 The Listening Project (b06qmvks)
Leanne and Eloise - Dyslexia is a Superpower

Fi Glover introduces a conversation between relatives a generation apart, who both have dyslexia but whose childhood experiences with the condition have little in common. 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

Producer: Marya Burgess.

FRI 17:00 PM (b06qv7rd)
News interviews, context and analysis.

FRI 18:00 Six O'Clock News (b06qv8kj)
A woman who took part in a US gun attack which killed 14 people pledged allegiance to IS.

FRI 18:30 The Now Show (b06qmvkx)
Series 47

Episode 4

Steve Punt and Hugh Dennis are joined by David Quantick, Sofie Hagen, Luke Kempner, Georgie Bingham and Pippa Evans for a comic look at the week's news.

Written by the cast with additional material from Jane Lamcraft, Andy Wolton, Sarah Campbell and Clare Wetton.

Produced by Alexandra Smith.

FRI 19:00 The Archers (b06qmyyj)
Matthew the new contract milker settles in at Brookfield - he has done a few milkings now and seems to need no hand-holding. In fact, David's keen to see whether Matthew might pass on any handy hints. Pip invites Matthew for a drink at the Bull for its reopening. The Christmas lights are switched on and Kenton surprises everyone by turning up on a sleigh, with reindeer, and reminding people to book for Christmas at the Bull! Kenton admits he owes Jolene everything for putting up with him over the last year - he vows to give her the best 2016. He also suggests a joint stag do at the Bull for Ian and Adam. Toby is handing out flyers and Adam reminds Toby of his interest in soil - offering to fill Toby in and give him lots of literature he brought back from his farm visit.

Charlie tells Adam that he has been offered a redeployment. Adam's stunned when he learns it's in Perthshire. Charlie asks whether he should go - or perhaps try to find a job somewhere closer to home. Adam admits he doesn't know what to say.

FRI 19:15 Front Row (b06qv7rg)
John Constable, Frank Sinatra, The art of animation, Poetic performance enhancers

Frank Sinatra was born 100 years ago this month, and to mark his centenary John Wilson will be discussing the singing legend with James Kaplan, whose book Sinatra: The Chairman, the second volume of his magisterial biography of the crooner, has just been published.

Barry Purves has been animating using stop motion techniques for decades. He talks to John about his career ahead of an evening dedicated to his work at the London International Animation Festival, which opens tonight.

John visits the Sotheby's, where their biggest sales of old masters ever is being gathered. Paintings include John Constable's 'The Lock', one of only 3 Constables still in private hands, and a portrait of Henry VIII from the studio of Hans Holbein. Might these, so connected with this country, leave it? John discusses this, and whether it matters, with art critic William Feaver.

On a day when doping in sport is in the news the publisher Michael Schmidt has a modest proposal: to rid the world of performance enhancing substances - the world of poetry, that is.

Producer: Julian May.

FRI 19:45 15 Minute Drama (b06qms9m)
[Repeat of broadcast at 10:45 today]

FRI 20:00 Any Questions? (b06qmyyl)
Margaret Beckett MP, Jane Collins MEP, George Monbiot, Lord Willetts

Jonathan Dimpleby presents political debate and discussion from Leeds Trinity University with Margaret Beckett MP, the UKIP MEP and Employment spokesperson Jane Collins MEP, the environmental and political campaigner George Monbiot and Lord Willetts, the conservative peer who is also Executive Chair of the Resolution Foundation.

FRI 20:50 A Point of View (b06qmyyn)
Sarah Dunant: Protest, Paris, Terror

Sarah Dunant reflects on the nature of protest against the threat of terrorism and the threat of climate change and their coming together in the city of Paris.

"How do we find a sense of potency in the face of terror, how do we embrace life when threatened with death, how do we champion our future against those who claim they will just carry on dying until they win? Perhaps what is needed is mental as much as military action."
Producer: Sheila Cook.

FRI 21:00 Archive on 4 (b04y6mw8)
Mustn't Grumble: The Noble British Art of Complaining

Complaining is a vital component of British life, whether it's formal letters to a utility company, bank or broadband provider, or it's an ice-breaker at a bus stop, bemoaning the dreary weather.

Writer and broadcaster Bidisha sets out to identify why complaining is so important to us, and also precisely how we go about it.

She visits an international language school to hear how students learning English react to lessons in 'hedging' (the art of introducing a complaint with apology - "I'm terribly sorry but...". "Forgive me for mentioning it but..."); she also meets literary professor Phil Davis to track complaint through the fictional pages of history, former comedian and classicist Natalie Haynes to find out how the Ancients did it, and journalist Lynne Truss to find out why we never complain to a hairdresser.

Along the way she also meets a professional complainer, Jasper Griegson, who's sent thousands of letters of complaint over the years, sometimes in verse, sometimes in medieval script, to find out the best methods of complaining.

Bidisha also wonders, finally, whether complaining is actually good for us - whether the occasional gains we may achieve are worth so much of our energy and spirit. The programme will make use of the ample archive of complaint, from Juvenal to 'Points of View', Samuel Pepys' diaries to Alf Garnett and Tom Wrigglesworth.

First broadcast on BBC Radio 4 in January 2015.

FRI 21:58 Weather (b06qv8ki)
The latest weather forecast.

FRI 22:00 The World Tonight (b06qv7rj)
IS Linked to California Attack

A mass shooting that left 14 people dead is being investigated as an act of terrorism.

FRI 22:45 Book at Bedtime (b06s2l28)

Dark Corners

Episode 5

Patricia Hodge reads the final novel by Ruth Rendell, who died in May this year aged eighty-five.

Miserable and desperate, Carl is placed under further pressure by Dermot, his blackmailing tenant. A dark tale of suspense by a doyenne of the form.

Read by Patricia Hodge

Abridged by Robin Brooks

Produced by Kirsteen Cameron.

FRI 23:00 A Good Read (b06qjzts)

[Repeat of broadcast at 16:30 on Tuesday]

FRI 23:30 Today in Parliament (b06qmyyq)

Mark D'Arcy reports from Westminster.

FRI 23:55 The Listening Project (b06qmyys)

Sharon and Rita - Keeping It in the Family

Fi Glover with a conversation between an 84 year old great grandmother to seventeen children and her eldest daughter, about child-rearing and memories of childhood. Another in the series that proves it's surprising what you hear when you listen.

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Producer: Marya Burgess.