

**SATURDAY 30 JANUARY 2016****SAT 00:00 Midnight News (b06y8zk4)**

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

**SAT 00:30 Book of the Week (b06yfqqm)**

Summer Before the Dark

Episode 5

Volker Weidermann's account of the charming resort of Ostend, and in 1936 it's a haven for Middle-Europe emigres. Abridged in five episodes by Katrin Williams:

Swimming, promenading, drinking. The pleasures of Ostend linger in the face of storm clouds gathering over Europe, but even seasoned vacationers know they have to move on..

Reader Peter Firth

Producer Duncan Minshull.

**SAT 00:48 Shipping Forecast (b06y8zk6)**

The latest shipping forecast.

**SAT 01:00 Selection of BBC World Service Programmes (b06y8zk8)**

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

**SAT 05:20 Shipping Forecast (b06y8zkb)**

The latest shipping forecast.

**SAT 05:30 News Briefing (b06y8zkd)**

The latest news from BBC Radio 4.

**SAT 05:43 Prayer for the Day (b06y8zjk)**

A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**SAT 05:45 iPM (b06y8zk3)**

'I'm in love aged 64... and it's wonderful!'

The programme that starts with its listeners.

**SAT 06:00 News and Papers (b06y8zkk)**

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

**SAT 06:04 Weather (b06y8zkm)**

The latest weather forecast.

**SAT 06:07 Open Country (b06y8zkr)**

Scowles in the Forest of Dean

Helen Mark is in the Forest of Dean in search of mysterious geological formations known as 'scowles'.

These semi-natural features in the landscape are thought to be unique to the Forest of Dean but are plentiful in this area. They are crater-like features in the woodland that have been eroded over time by water-action and exploited by miners through the centuries for their bounty: iron-ore, coal, and ochre have all been found in abundance in the Forest of Dean.

Helen descends into the mysterious, mossy world of the scowles and comes face to face with one of its inhabitants: a large cave spider and looks for the greater and lesser horseshoe bats. These two species thrive in the craters and caverns of the the Forest.

Tales of mining and the blast furnaces that smelted the iron-ore lead Helen across the Forest before she finds herself on a film set.

The visually stunning nature of the scowles have led to television and movie crews visiting the area to film in this mysterious, other-worldly landscape. They have become the backdrop to some memorable moments in the TV series Merlin and Dr Who and most famously in the recent Star Wars film, The Force Awakens that was filmed in a part of the Forest called Puzzlewood.

Presenter: Helen Mark  
Producer: Martin Poyntz-Roberts.

**SAT 06:30 Farming Today (b06z0tq8)**

Farming Today This Week: Organic

Charlotte Smith takes a look at organic farming, visiting a Shropshire farm that has operated in an organic way since 1949.

Pimhill farm is a mixed farm, with a small dairy herd and an arable operation that grows oats and wheat - and has its own mill. Charlotte meets Ian Anderson and Ginny Mayall, whose grandfather Sam Mayall started farming the site in the 1920s, and who was heavily involved with The Soil Association soon after its foundation.

Presented by Charlotte Smith and produced by Rich Ward.

**SAT 06:57 Weather (b06y8zkn)**

The latest weather forecast.

**SAT 07:00 Today (b06z0tqb)**

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

**SAT 09:00 Saturday Live (b06z0tqd)**

Nicky Clarke, George Cohen

Nicky Clarke, hairdresser to the stars, shares his style tips and tales of celebrity clients from Elizabeth Taylor to Princess Diana.

In 1966 George Cohen helped England to victory in the World Cup. Now he's back with stories of glory and to highlight how sporting memories can help people with dementia.

You will almost certainly have heard the voice of Tessa Niles, but you will probably not know her name. She has been backing singer to The Police, Robbie Williams, Tina Turner, Duran Duran, Mick Jagger and many more. She was on stage with David Bowie at Live Aid. She reveals what it is like to be at the edge of the limelight.

Ben Bailey Smith is a rapper, a singer and an actor who has written a children's book called I Am Bear.

And Canadian singer-songwriter Buffy Sainte-Marie shares her Inheritance Tracks: Edith Piaf - If You Love Me (Really Love Me) and Buffy Sainte-Marie - Carry It On.

**SAT 10:30 The Kitchen Cabinet (b06z0tqg)**

Series 12

Billingsgate Market

Jay Rayner hosts the culinary panel programme from London's Billingsgate Market.

Answering the audience's questions this week are the food historian Dr Annie Gray, the Japanese-influenced Masterchef winner Tim Anderson, the Middle Eastern chef Itamar Srulovich, and the Eastern-European expert Olia Hercules.

The programme discusses all things fish - filleting, sushi, and scallops are all on the menu.

Produced by Victoria Shepherd  
Assistant Producer: Hannah Newton

Food consultant: Anna Colquhoun

A Somethin' Else production for BBC Radio 4.

**SAT 11:00 The Week in Westminster (b06z0tqj)**

George Parker of The Financial Times looks behind the scenes at Westminster.

As David Cameron spends the weekend finalising a deal with the EU, we look at how the various campaigns for Brexit are shaping up to fight their corner, and the Irish ambassador to the UK recounts the process by which Ireland negotiated a second referendum on EU membership, after the Lisbon Treaty in 2008.

Following the outcry over Google's tax bill, Andrew Tyrie MP, chair of the Treasury Select Committee outlines the terms of an inquiry into the need to reform the UK tax base, and 35 years after the SDP was founded, Liberal Democrat Sir Vince Cable and Labour MP Emma Reynolds, discuss the parallels for the Labour party between then and now .  
The Editor is Marie Jessel.

**SAT 11:30 From Our Own Correspondent (b06y8zkr)**

The Colonel's Cameraman

Correspondents around the world tell their stories. In this edition Gabriel Gatehouse is back in Tripoli as speculation grows about a new military intervention in Libya; Mark Lowen is in Diyarbakir where there's been intense fighting between Turkish security forces and Kurdish militants; Miles Warde is in a dusty town on the edge of Kenya where there are plans for pipelines, resort cities and Chinese-built railways but the locals wonder if any of them will ever materialise; Claudia Hammond visits what they call a 'geriatric rehabilitation centre' in Cuba

where, apparently, there's never a dull moment and Victoria Gill is in Antarctica meeting the rather amusing residents of a place called Moot Point.

**SAT 12:00 News Summary (b06y8zkt)**

The latest national and international news from BBC Radio 4.

**SAT 12:04 Money Box (b06z0tzn)**

Card Fee Cut

Money Box has discovered that a reduction in credit card fees that was brought in last December is not being passed on to consumers. Bob Howard investigates and James Daley from Fairer Finance who led a supercomplaint against high fees gives us his response.

The government has postponed a planned sell-off of Lloyds bank shares, blaming the delay on market volatility. Helal Miah from the Share Centre explains what it means for consumers. And there's news of arrests in India following a cyber attack on Talk Talk's website last October.

Nuisance calls are a perennial problem for householders but are devices that promise to stop them any use? Mark Carter reports. And as the Shadow Chancellor John McDonnell says he will publish his tax return in the name of transparency, we ask Jason Piper from ACCA and tax justice campaigner George Turner if anything would be achieved by MPs disclosing their tax affairs.

Presenter: Ruth Alexander

Producer: Sonia Rothwell

Editor: Andrew Smith.

**SAT 12:30 The News Quiz (b06y8zky)**

Series 89

Episode 4

Series 89 of the satirical quiz. Miles Jupp is back in the chair, trying to keep order as an esteemed panel of guests take on the big (and not so big) news events of the week. Jeremy Hardy, Camilla Long, Terry Christian and Rich Hall are this week's panellists.

Producer: Richard Morris

A BBC Radio Comedy Production.

**SAT 12:57 Weather (b06y8zkw)**

The latest weather forecast.

**SAT 13:00 News (b06y8zky)**

The latest news from BBC Radio 4.

**SAT 13:10 Any Questions? (b06y8zky)**

Lord Hennessy, Caroline Lucas MP, John Redwood MP, Gisela Stuart MP

Jonathan Dimbleby presents political debate and discussion from Purbeck School in Wareham, Dorset, with the crossbench peer Lord Hennessy, Green Party MP and former leader Caroline Lucas, the Conservative backbencher John Redwood MP and Labour MP Gisela Stuart.

**SAT 14:00 Any Answers? (b06z0tqz)**

Europe, Refugees, Education standards

Anita Anand take your calls on some of the issues raised in last night's Any Questions? Europe, Refugees, Education.

**THE QUESTIONS :**

In the context of the EU negotiation can the British people be bought off by promises of benefits and changes to immigration policy? Will you sell your sovereignty for these?

Are a bunch of children in Calais less important than refugees still in Syria?

What action would the panel take after today's OECD report that English teenagers are the most illiterate and second most innumerate out of 23 countries in the developed world?

Producer Maire Devine.

Editor Beverley Purcell.

**SAT 14:30 John Galsworthy - The Forsyte Saga (b06z0ybl)**

The Forsytes

Episode 1

From the novels of John Galsworthy  
Dramatised for radio by Shaun McKenna

Of all his beautiful possessions, wealthy solicitor Soames Forsyte considers his wife, Irene, the most beautiful. Why then does she want separate bedrooms?

Original music composed by Neil Brand

Produced and directed by Marion Nancarrow

The first dramatisation of all 9 books in John Galsworthy's *The Forsyte Saga*. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

**SAT 16:00 Woman's Hour (b06z0ybr)**

Weekend Woman's Hour: The Wainwright Sisters; Anne-Marie Slaughter: Grieving for an Ex

Anne-Marie Slaughter caused an internet furore in 2012 with her essay "Why Women Still Can't Have It All" which described her experience of holding down a demanding job whilst parenting demanding teenage sons. In her new book *Unfinished Business*, Anne-Marie explains why the problem of the work/life balance lies not with women but with the workplace.

Martha Wainwright and her half-sister Lucy Wainwright Roche talk about growing up as part of a musical dynasty and how the death of Martha's mother Kate McGarrigle at the same time as the birth of her son brought them closer together and inspired the creation of an album of dark lullabies.

According to a new study, one in forty teenage girls has ME, or myalgic encephalomyelitis, also known as chronic fatigue syndrome. Dr Esther Crawley explains the condition, and a sufferer shares her experiences.

Why can it be so difficult to accept and move on when a former lover dies? Laura Marcus talks about the impact of losing her ex.

The language of genetics is one that has filtered into public consciousness. But how much do we understand how our genes shape us? Science writer Kat Arney on her new book, *Herding Hemingway's Cats*.

Purity: what does it mean for women in food, sex, religion and thought? Lauren Laverne talks to author Emma Woolf, Jewish theologian Dina Brawer, business woman Shirley Yanez and political journalist Helen Lewis on *Late Night Woman's Hour*.

Plus, Psychologist Laverne Antrobus and journalist Hazel Davis swearing in front of children.

Presented by Jane Garvey  
Producer: Sophie Powling.

**SAT 17:00 PM (b06z0ybt)**  
Saturday PM

Full coverage of the day's news.

**SAT 17:30 The Bottom Line (b06ymf8d)**  
Managing the Boardroom

After recent corporate scandals like VW's emissions' cheating, Tesco's accounting irregularities, Barclays interest-rate rigging, many asked why company board members failed to act. What happened to the checks and balances designed to curb management excesses? Evan Davis and guests look at how company boards operate and how to make them work effectively. They discuss the role of company directors, the skills and experience required and examine why some say "Beware the charismatic CEO".

Guests:

Sir David Walker, Former Chairman, Barclays plc

Michael Jackson, Former Chair, The Sage Group plc

Margaret Heffernan, Former CEO, entrepreneur and author

Producer: Sally Abrahams.

**SAT 17:54 Shipping Forecast (b06y8z10)**  
The latest shipping forecast.

**SAT 17:57 Weather (b06y8z12)**  
The latest weather forecast.

**SAT 18:00 Six O'Clock News (b06y8z14)**

16 more deaths in Madaya; MSF appeals for help, 35 drown in Aegean trying to reach Europe, Turkish police recover possible Picasso, Success for one Murray in Australian Open

**SAT 18:15 Loose Ends (b06z0yby)**

Clive Anderson, Nikki Bedi, Phil Collins, Adrian Lester, Jon Ronson, Kika Markham, This Is The Kit, Rachel Sermanni

Clive Anderson and Nikki Bedi are joined by Phil Collins, Adrian Lester, Jon Ronson and Kika Markham for an eclectic mix of conversation, music and comedy. With music from This Is The Kit and Rachel Sermanni.

Producer: Sukey Firth.

**SAT 19:00 From Fact to Fiction (b06z0yc0)**  
Series 19

Over Here, Over There

From Fact to Fiction is an award-winning series in which writers create a fictional response to the week's news.

In a week that saw politicians debate the conditions in migrant camps and the treatment of Asylum Seekers in UK, Shami Chakrabarti takes us to an imagined future.

It is 2041. A mother and son argue about his plan to leave the country without permission. She is a settled refugee in her adopted state; the place of his birth. He is a radical; angry at his life of injustice and caught up in his plans to flee, yet he knows very little about his mother's own tale of escape.

Mother.....Julie Hesmondhalgh  
Son.....Nico Mirallegro

Director.....Nadia Molinari.

**SAT 19:15 Saturday Review (b06z0yc2)**

Spotlight, Youth, My Name is Shylock, Wit and Electronic Superhighway

Spotlight starring Mark Ruffalo, Michael Keaton and Rachel McAdams and directed by Tom McCarthy tells the true story of the Boston Globe's Pulitzer Prize winning "Spotlight" team of investigative journalists, who in 2002 shocked the world by exposing the Catholic Church's systematic cover-up of widespread paedophilia perpetrated by more than 70 local priests. It has six Oscar nominations, including for Best Picture, Best Director and Best Original Screenplay.

Booker prize winning novelist Howard Jacobson's new novel, *My Name is Shylock*, is a retelling of Shakespeare's *Merchant of Venice* - part of a series of Shakespeare-inspired novels by well known writers to mark the 400th anniversary of Shakespeare's death. Jacobson challenges the traditional anti-Semitic interpretations of Shakespeare's most performed play.

Academy Award winning director of *The Great Beauty* Paolo Sorrentino's new film *Youth* stars Harvey Keitel and Michael Caine, and is set in an elegant hotel in the Swiss Alps. Fred, a composer and conductor, is now retired. Mick, a film director, is still working. They look with curiosity and tenderness on their children's confused lives, Mick's enthusiastic young writers, and the other hotel guests, all of whom, it seems, have all the time that they lack.

Wit is a Pulitzer Prize winning play by American playwright Margaret Edson which opens at Manchester's Royal Exchange with former Coronation Street star Julie Hesmondhalgh. It portrays the final hours of Dr Vivian Bearing, a renowned expert on the work of 17th-century poet John Donne, and who is in hospital dying of ovarian cancer. Edson's first, and only, play, it was inspired by her experience of working on a cancer ward.

And *Electronic Superhighway*, a landmark exhibition at the Whitechapel Gallery in London that brings together over 100 artworks to show the impact of computer and internet technologies on artists from the mid-1960s to the present day.

**SAT 20:00 Archive on 4 (b06z5pts)**  
David Bowie: Verbatim

With previously unheard interviews, studio out-takes and a collection of musings from throughout the years, the story of David Bowie's extraordinary life and career told in his own words.

By his own count, David Bowie inhabited seven different personas throughout his career and, while each one of those creations channelled wildly different musical influences that were often difficult to identify, Bowie was always able to articulate with great conviction which musical universe he was inhabiting at each turn - even if he often contradicted himself.

"I usually don't agree with what I say very much. I'm an awful liar", he claimed in 2002, while summarising his many changes in style.

Producer: Des Shaw

A Ten Alps production first broadcast on BBC Radio 4 in January 2016.

**SAT 21:00 Utopia (b06y9b6t)**

2016 saw the 500th Anniversary of Thomas More's classic work of speculative fiction, which has entered the culture so deeply that the name of his fictional island is the accepted term for our hopes and dreams of a better society.

Poet Michael Symmons Roberts dramatisation brings More's strange and enchanting island to life, told through the memoirs of Raphael Hythloday.

More goes on a diplomatic trip to Antwerp, to sort out a dispute in the commercial wool trade between Britain and the Netherlands. While he is there he meets an old man who is clearly widely travelled.

More complains about the petty politics of the trade dispute, and the old stranger bemoans the state of contemporary society. There is a better way, he says, and I have seen it. The stranger introduces himself as the explorer and adventurer Raphael Hythloday, who at the height of his career of was sent out from Antwerp to explore an unmapped and remote part of the ocean. After months of sailing, he chanced upon an island society unlike any he had seen before. The island was called 'Utopia'.

Utopia fleshes out the story of Raphael's visit to the island, giving us vivid descriptions of the place and its society, its laws and social patterns and customs.

All the bearings for this new drama are taken from the rules and descriptions of the island in More's book, and the clues he gives about Raphael's visit.

RAPHAEL HYTHLODAY - Raad Rawi  
YOUNG RAPHAEL - Nacho Aldeguer  
THOMAS MORE / ACHORIAN - Michael Peavoy  
PETER GILES - Cameron Blakeley  
ABRAXA - Emily Pithon  
BARZANES - Jonathan Keeble  
MACARIA - Fiona Clarke

Directed in Salford by Susan Roberts.

First heard on BBC Radio 4 in January 2016.

**SAT 22:00 News and Weather (b06y8z16)**

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

**SAT 22:15 Four Thought (b06zdk7x)**

Best of Four Thought: Hinge Moments in History

Another chance to hear three of the best recent episodes of *Four Thought*, each addressing hinge moments in the history of war and terror, and re-assessing the response of the West.

Hashi Mohamed re-interprets a recent British response to an act of terror on our own streets, arguing that the episode tells us a great deal about our nation that we take for granted.

Benedict Wilkinson challenges how we think about terrorism more generally, asking us to seriously reconsider how we confront terrorists on a global scale.

And drawing on his personal experience of advising Poland and Russia at the end of the Cold War, world-renowned economist Jeffrey Sachs urges us to remember lessons of the past when taking action in the present.

Producer: Katie Langton.

**SAT 23:00 Brain of Britain (b06ybg80)**  
Heat 3, 2016

(3/17)

Russell Davies welcomes four more competitors to the Radio Theatre in London for Heat Three of the 2016 series. This week two of them are from Scotland and two from the South East of England. At least one will be going through to the semi-finals in the spring, and perhaps all the way to taking the coveted title of *Brain of Britain*. Will they know which of Shakespeare's plays used Geoffrey of Monmouth's *History of the Kings of Britain* as a major source? Which US President was the first to officially give the White House its name? Or precisely what the word 'cuneiform' means?

The Brains will also have to face the challenge of two questions from a listener, which they have to combine their knowledge to tackle, with the setter winning a prize if they're not up to it.

Producer: Paul Bajoria.

**SAT 23:30 Poetry Please (b06y9b70)**

Robert Burns and More

Roger McGough with listeners' requests, including poetry by Robert Burns, Ben Okri and Gerard Manley Hopkins, with readings by Sir Ian McKellan and Liz Lochhead as well as Ariyon Bakare, Jasmine Hyde and Patrick Romer. Producer Sally Heaven.

**SUNDAY 31 JANUARY 2016****SUN 00:00 Midnight News (b06z178n)**

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

**SUN 00:30 The Stories (b06z1zd9)**

The Tribute

Miriam Margolyes reads Jane Gardam's classic short story in which three former colonial ladies gather to pay tribute to their dutiful old nanny, who did so much for them during the halcyon days overseas. When it transpires that she has left something for all of them, they are not at all surprised - until the gift arrives...

Reader: Miriam Margolyes is a veteran of stage and screen, a BAFTA Award-winning actor, whose roles have included: Yentl, Little Shop of Horrors, Scorsese's The Age of Innocence, Cold Comfort Farm and the Harry Potter film series.

Producer: Justine Willett

Abridger: Julian Wilkinson

Writer: Born in 1928, Jane Gardam she did not publish her first book until she was in her 40s, but has become one of the most prolific novelists of her generation, with 25 books published over the past 30 years and a number of prestigious prizes to her name (she's twice winner of the Whitbread, and has been shortlisted for both the Booker and Orange prizes). Her novels include Old Filth, Last Friends, God on the Rocks and The Hollow Land. She's been called 'the laureate of the demise of the British Empire', for her poignant and witty portrayals of the end of the era of British imperial adventures.

**SUN 00:48 Shipping Forecast (b06z178q)**

The latest shipping forecast.

**SUN 01:00 Selection of BBC World Service Programmes (b06z178s)**

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

**SUN 05:20 Shipping Forecast (b06z178v)**

The latest shipping forecast.

**SUN 05:30 News Briefing (b06z178x)**

The latest news from BBC Radio 4.

**SUN 05:43 Bells on Sunday (b06z1zdc)**

Bells from St Helen's Church, Lundy Island.

**SUN 05:45 Four Thought (b06yfcpb)**

The Meaning of North

Alex Beaumont questions the meaning of 'The North'.

Growing up in the North of England, in his youth Alex wanted nothing more than to leave for the South. Now he lives in one part of the North, and works in another, but he questions whether 'The North' is a meaningful concept at all. How does it relate to the North of Scotland, or Ireland, and what might the UK government's plan for a 'Northern Powerhouse' mean in practice?

Producer: Katie Langton.

**SUN 06:00 News Headlines (b06z178z)**

The latest national and international news.

**SUN 06:05 Something Understood (b06z1zdf)**

Pricking Pomposity

Mark Tully considers the social role of mockery, the art of parody, lampoon and satire and what society gains from having its pomposity pricked.

He talks to cartoonist Steve Bell about the purpose of caricature, the hurt it may cause and the good it can do. With readings from poets Edward Bulwer Lytton and Carol Ann Duffy, and journalist Joe Queenan, along with music ranging from Beethoven to Jean Knight, this is a study in having our

pomposity pricked.

The readers are Polly Frame, Francis Cadder and Jasper Britton.

Presenter: Mark Tully  
Producer: Frank Stirling

A Unique production for BBC Radio 4.

**SUN 06:35 Living World (b06z1zdh)**

Phil Drabble

Chris Packham relives programmes from The Living World archives.

Many a naturalist today grew up to the well-known voice of Phil Drabble as the founding father of backdoor wildlife on TV in the 1970's and 80's. In this programme recorded in 1991, Peter France is joined by Phil Drabble at his home, which is surrounded by a nature reserve Phil has managed since buying the land in the 1960's. At the time of this recording it was 21 years after Living World's first visit here in 1970. Much had changed in that time so Phil takes Peter on a tour to explain his life's work.

**SUN 06:57 Weather (b06z1793)**

The latest weather forecast.

**SUN 07:00 News and Papers (b06z1795)**

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

**SUN 07:10 Sunday (b06z1zdk)**

Cathedrals, 4th-Century Bible, Human Nature and God

Edward Stourton asks: is it human nature to believe in God? He is joined by Dominic Johnson and Conor Cunningham to discuss.

Bob Walker reports on a BBC English Regions poll that reveals that almost three-quarters of England's Anglican cathedrals say they're 'worried' or 'very worried' that they're not going to be able to fund cathedral costs in two years' time.

The suicide of Rohith Chakravarti Vemula at Hyderabad University has reignited caste controversies in India. Rahul Tandon reports from Delhi.

On Monday all eyes in America will be on Iowa, it's the 1st leg of the caucuses that will decide on the presidential candidates for the election in November. Alexander Smith talks to Edward about what role religion plays in the presidential race.

Catholic clergy are expected to join a demonstration in Rome this weekend to promote traditional family life. Christopher Lamb explains its significance and timing as Italian politicians debate a gay unions bill this week. Meanwhile in the UK, Professor David Voas looks at the findings of a YouGov Poll that says for the first time more Church of England members support same-sex marriage than oppose it..

Created in the middle of the fourth century, the Codex Sinaiticus is one of the more important books in the world, containing the oldest complete New Testament. Trevor Barnes went along to the British Library to take a look.

Fr Jeffery Whorton, the last priest to celebrate mass at altar in the Saint Elijah monastery in Iraq before it was destroyed by so-called IS, talks to Sunday about the significance of the site.

Photo Credit: New lady Chapel Lichfield Cathedral - Paul Horton

Producers  
Carmel Lonergan  
Amanda Hancox.

**SUN 07:54 Radio 4 Appeal (b06z1zdm)**

Childreach International

Actress Gillian Anderson presents The Radio 4 Appeal on behalf of Childreach International.

Registered Charity No 1132203

To Give:

- Freephone 0800 404 8144

- Freepost BBC Radio 4 Appeal, mark the back of the envelope 'Childreach International'.

- Cheques should be made payable to 'Childreach International'.

**SUN 07:57 Weather (b06z1797)**

The latest weather forecast.

**SUN 08:00 News and Papers (b06z1799)**

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

**SUN 08:10 Sunday Worship (b06z1zdp)**

"A light for those who dwell in darkness"

Prisoners and prison chaplains gather to share Christian Worship in the chapel of Her Majesty's Prison Long Lartin, Worcestershire. How can Christian faith transform the lives of those doing time for some of the most serious offences? Leader: Managing Chaplain Kevin Downham and Quaker Chaplain Judith Roles. Preacher: the Reverend Doctor Stephen Blake. Music is provided by a prisoner's choir, assisted by Octavo and a Salvation Army band. Director of music Lesley Nicholson. Producer: Philip Billson.

**SUN 08:48 A Point of View (b06yfygf)**

Expert by Experience

After hearing a former political prisoner in South Africa and a holocaust survivor tell their stories, Tom Shakespeare concludes that personal experience is the most powerful form of expertise.

"Hearing their testimonies affected me more deeply than any lecture, book or film. They were unforgettable authentic encounters."

Producer: Sheila Cook.

**SUN 08:58 Tweet of the Day (b04t0pm9)**

Black-footed Albatross

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

Liz Bonnin presents the black-footed albatross of Midway Atoll in the Pacific Ocean. Two dusky-brown birds point their bills skywards to cement their lifelong relationship, these are black-footed albatrosses are plighting their troth in a former theatre of war. At only a few square kilometres in size, the island of Midway is roughly half way between North America and Japan. Once it was at the heart of the Battle of Midway during World War Two, but today it forms part of a Wildlife Refuge run by the U.S. Fish and Wildlife Service and is home to white laysan albatross and the darker Black footed Albatross. Around 25,000 pairs of Black-foots breed here. Each pair's single chick is fed on regurgitated offal for six months, after which it learns to fly and then can be vulnerable to human activity on the airbase. But careful management of both species of albatrosses near the airstrip has reduced the number of casualties to a minimum.

**SUN 09:00 Broadcasting House (b06z179c)**

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 (b06z1zdr)**

Adam seems to have forgotten something. And what would David's ancestors have thought?

**SUN 11:15 Desert Island Discs (b06z1zdt)**

Bill Gates

Kirsty Young's castaway is Bill Gates.

He sat at his first computer while still at school in Seattle, wrote his first computer programme aged just 13 and went on to co-found the company Microsoft, becoming one of the key figures of the technological revolution. In 2000, he and his wife, Melinda, launched the Bill and Melinda Gates Foundation which has given to date over \$34 billion to projects aimed at reducing health inequality around the world.

Born into a professional family - his father was a lawyer, his mother a former teacher who later became involved with volunteer work - he was introduced to the idea of 'giving back' at an early age. An avid reader as a child, he attended Harvard where in his sophomore year he and Paul Allen developed software for the first micro-computers. The company would go on to achieve huge success with its Windows operating system.

By 1987, Gates had become the world's youngest self-made billionaire, then worth \$1.25 billion. Consistently listed as the Richest Man in the World, he stepped down as CEO of the company in 2000 although he remained as Chairman until 2014.

These days his primary focus is his philanthropy. In 2010, Gates and his friend Warren Buffett announced the Giving Pledge which aims to inspire the wealthy people of the world to give away the majority of their net worth to worthy causes.

Producer: Cathy Drysdale.

**SUN 12:00 News Summary (b06z179f)**

The latest national and international news from BBC Radio 4.

**SUN 12:04 The Museum of Curiosity (b06ybgxr)**

Series 8

Ward, Sharman, Blofeld

Professor of Ignorance John Lloyd and his curator Sarah Millican welcome:

- \* An award-winning Australian comedian who is so much more than a mere joker, Felicity Ward
- \* The cricket commentator whose association with James Bond villainy is more than a mere coincidence, Henry Blofeld
- \* A former chemist from Mars who is more than a Mir astronaut, Dr Helen Sharman OBE

The Museum's guests discuss the cultural significance of Australians using watermelons as hats; how you can increase your stature in more ways than one by going into space; how it took an author as inventive as PG Wodehouse to coin the word 'gruntled' decades after the word 'disgruntled'; the vital importance of toilets; and the coolest possible way of telling mountain trekkers where you were when you first saw the Himalayas.

Researchers: Anne Miller and Molly Oldfield of QI.

Producers: Richard Turner and James Harkin.

A BBC Radio Comedy production for BBC Radio 4 first broadcast in January 2016.

**SUN 12:32 The Food Programme (b06z1zdw)**

Newcastle: The Story of a City through Its Food

Dan Saladino meets the people working to improve the food future of Newcastle.

**SUN 12:57 Weather (b06z179h)**

The latest weather forecast.

**SUN 13:00 The World This Weekend (b06z1zdy)**

Global news and analysis.

**SUN 13:30 Can We Trust the Opinion Polls? (b06z1zfo)**

Episode 3

Last year's general election should have been an easy result to predict. There was a constant stream of opinion polls, many more than in previous campaigns. But they turned out to be highly misleading, suggesting a hung parliament. The actual result was a huge shock to the polling industry. So went wrong with the polls, and why? And how easy will it be to put it right?

In the final part of a series examining the role of opinion polling in British politics, David Cowling asks if polling will be more reliable in future and if the industry can restore its reputation in the wake of its errors at the last general election.

Producer: Martin Rosenbaum.

**SUN 14:00 Gardeners' Question Time (b06yfy7p)**

Barnard Castle

Eric Robson and the panel are in Barnard Castle, County Durham. Pippa Greenwood, Christine Walkden and Matt Biggs answer this week's questions from the audience.

Discussion includes how best to grow coffee, tips on what to put in a bog garden, and how to get a damson tree to flower.

Also, Matt Biggs visits the Nursery Garden at Eggleston Hall and Pippa Greenwood takes a turn around a Gaol Garden.

Produced by Howard Shannon  
Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

**SUN 14:45 The Listening Project (b06z1zf2)**

Sunday Omnibus - Families

Fi Glover with conversations about various ways of living family life - married or not, in one home or two, and how not to introduce a step parent, in the Omnibus edition of the series that proves it's surprising what you hear when you listen.

The Listening Project is a Radio 4 initiative that offers a snapshot of contemporary Britain in which people across the UK volunteer to have a conversation with someone close to

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

Producer: Marya Burgess.

**SUN 15:00 Drama (b06z1zf4)**

Graham Greene: The Honorary Consul

Episode 1

In a conversation with Nicholas Shakespeare, Graham Greene once named 'The Honorary Consul' as his favourite among all his novels, "...because the characters change and that is very difficult to do."

In this superbly tense story of political kidnap and sexual betrayal set at the beginning of Argentina's Dirty War in early 1970s, Greene's characters find themselves on a switchback ride of love, sacrifice and violence.

Isolated Dr Eduardo Plarr, son of a missing political prisoner, is lured into collaborating with a defrocked priest in a kidnap plot, only to find the lives of two people he doesn't care for, suddenly in his hands.

Meanwhile Charles Fortnum, the elderly and drunken Honorary Consul in a one-horse town near the Paraguayan border, faces his own terrors, and the loss of the young prostitute he has fallen in love with.

Greene added: "For me the sinner and the saint can meet; there is no discontinuity, no rupture... The basic element I admire in Christianity is its sense of moral failure. That is its very foundation. For once you're conscious of personal failure, then perhaps in future you become a little less fallible. In 'The Honorary Consul' I did suggest this idea, through the guerrilla priest, that God and the devil were actually one and the same person - God had a day-time and a night-time face, but that He evolved, as Christ tended to prove, towards His day-time face - absolute goodness - thanks to each positive act of men."

The first of two episodes dramatised by Nick Warburton.

Dr Eduardo Plarr ..... Geoffrey Streatfeild  
Charley Fortnum ..... Matthew Marsh  
León Rivas ..... Stefano Braschi  
Aquino ..... Martin Marquez  
Clara ..... Beatriz Romilly  
Dr Humphries ..... Ewan Bailey  
Colonel Perez ..... Chris Pavlo  
Gruber ..... Sean Baker  
Father ..... Brian Protheroe  
Teresa ..... Rebecca Hamilton

Produced and directed by Jonquil Panting.

First broadcast on BBC Radio 4 in January 2016.

**SUN 16:00 Open Book (b06z1zf6)**

Patrick Flanery

Mariella Frostrup talks to Patrick Flanery about his new novel *I Am No One*, a disturbing tale of transatlantic surveillance, as a university professor comes to realise he is being watched. And she discusses the joys of writing about the 1976 heatwave with two writers, Joanna Cannon and Isabel Ashdown, who are bringing some summer sun to these winter months. Acclaimed novelist Han Kang sends a literary postcard from South Korea and Mariella explores the literary past of one of this year's Oscar contenders, *The Martian*.

**SUN 16:30 Poetry Please (b06z1zf8)**

Gothic Poetry

Roger McGough gets eerie with selection of gothic poetry from Edgar Allan Poe, Sylvia Plath, Christina Rossetti and Percy Shelley. With archive recordings from Sir John Gielgud and Robert Donat, as well as readings by Ariyon Bakare, Jasmine Hyde and Shirley Henderson. Producer Sally Heaven.

**SUN 17:00 File on 4 (b06ycr55)**

NHS Contracts: Tender Issues

File on 4 uncovers the story behind the collapse of one of the biggest health contracts ever put out to tender. Last April an

NHS consortium of Cambridge University Hospitals and Cambridgeshire and Peterborough NHS Foundation Trust successfully bid to run older peoples' health services. But in December the £800m, five year contract ended without warning, with local commissioners saying only that it was "no longer financially sustainable." Jane Deith asks what the failure of the Cambridgeshire contract means for the broader policy of trying to improve NHS services by opening massive contracts to competition between Trusts and the private sector. Reporter: Jane Deith Producer: Ian Muir-Cochrane.

**SUN 17:40 From Fact to Fiction (b06z0yc0)**

[Repeat of broadcast at 19:00 on Saturday]

**SUN 17:54 Shipping Forecast (b06z179k)**

The latest shipping forecast.

**SUN 17:57 Weather (b06z179m)**

The latest weather forecast.

**SUN 18:00 Six O'Clock News (b06z179p)**

Tributes pour in for Sir Terry Wogan, who's died from cancer.

**SUN 18:15 Pick of the Week (b06z1zfb)**

Ernie Rea

The best of BBC Radio this week on Pick of the Week with Ernie Rea which includes the story of a member of the Goering Family who used his own money to save Jews from the Gas Chambers; then the woman who pleaded with the American courts not to execute the man who murdered her daughter; and the Gospel Singer who toted a pistol which she called Little Ethel to make sure she got paid. We hear from the man who climbed a mountain just ten months after he lost both legs in a mountaineering accident. And for light relief, Nigel Kennedy plays Jimi Hendrix.

**SUN 19:00 The Archers (b06z1zfd)**

It's the RSPB's Big Garden Bird Watch and Jim and Christine are out at the Lodge. Jim admits he's a bit hungover after a night at the Grange Farm cider club.

At the Bull, Rob gets Henry to join in with teasing Helen over her food which she doesn't seem to be eating up - unlike Henry who's wolfing down his roast beef. She needs to keep her strength up. Feeling unwell, Helen rushes off to the Ladies'. Henry goes to find Helen and tells her that he and Rob have a surprise, which turns out to be a big pudding for dessert.

Mike, Vicky and Bethany can't join Roy for his planned birthday day out on the Blackberry steam train line as Bethany is unwell. Roy asks Kirsty if she fancies it. Kirsty thinks it's a shame to waste the extra tickets (and perhaps is keen to avoid an awkward date with Roy), so she calls Helen. Helen's touched when Kirsty asks her whether she and Henry would like to join her for a day out. Helen phones Kirsty back in the evening to say yes please - she'll collect Henry from school early. Kirsty twigs that Helen is out in the garden - Helen says she's just putting feed out for the birds. Kirsty checks with Jim, who says this is unusual - unless Helen is feeding the owls!

**SUN 19:15 So Wrong It's Right (b01jhdh7)**

Series 3

Episode 4

Charlie Brooker hosts the comedy panel show devoted to the art of being wrong, with leading comics and entertainers competing to give the best in wrong answers.

So Wrong It's Right sees Charlie challenge the panel's creativity and asks them to reveal their finest embarrassing stories from their lives. This week the worst experiences at a party and terrible ideas for a series of children's books are just two of the challenges faced by the panel. Will anyone beat Isy Suttie's suggestion for a 'wrong' children's book - the paperwork-themed 'Morris The Admin Mouse'?

The host of So Wrong It's Right, Charlie Brooker, also writes for The Guardian and presents BBC4's satirical series *Newswipe* and *Screenwipe* as well as Channel 4's *You Have Been Watching*. He won Best Newcomer at the British Comedy Awards 2009 and Columnist of the Year at the 2009 British Press Awards for his newspaper columns.

Produced by Aled Evans  
A Zeppotron Production for BBC Radio 4.

**SUN 19:45 Shorts (b06z1zfg)**

Scottish Shorts

The Mary Tree by Linda Cracknell

By Linda Cracknell

A boy visiting his mother in hospital meets a strange character with intriguing tales of a lost landmark.  
Read by Robert Jack  
Producer Eilidh McCreadie

Author Linda Cracknell has been inspired by her work as writer-in-residence at The Royal Hospital for Sick Children in Edinburgh. The hospital moves to a new location in 2017.

**SUN 20:00 More or Less (b06yfyfp)**  
How Harmful Is Alcohol?

New alcohol guidelines were issued recently which lowered the number of units recommended for safe drinking. But are the benefits and harms of alcohol being judged correctly? We speak to Professor David Spiegelhalter and

Sepsis - do 44,000 people die of it a year? Is it the country's second biggest killer? We speak to Dr Marissa Mason about the difficulties of knowing the numbers.

Dan Bouk tells the story of a statistician who crept around graveyards in South Carolina at the turn of the century recording how long people lived - all to help out an insurance firm.

It's from his book 'How our days became numbered' - looking at how data from insurance company has shaped knowledge about our lives.

Have refugees caused a gender imbalance in Sweden or is there something funny going on? It has been reported that there are 123 boys for every 100 girls aged between 16 and 17 in Sweden. In China, the ratio is 117 boys to 100 girls. We explore if the numbers add up and why this might be.

Presenter: Tim Harford  
Producer: Charlotte McDonald.

**SUN 20:30 Last Word (b06yfyfp)**

Lord Parkinson, Bill Mitchell, Paddy Doherty, Henry Worsley, Dr Gladys-Marie Fry

Matthew Bannister on

The Conservative politician Lord Parkinson. He masterminded the 1983 election victory but was forced to resign when his affair with his secretary was revealed.

Bill Mitchell, who lived and breathed the Yorkshire Dales, editing the Dalesman magazine and writing hundreds of books.

Paddy Doherty, the Irish Republican activist who played a leading role in Derry's 1969 Battle of the Bogside.

Henry Worsley, the former SAS soldier and explorer who died whilst attempting the first solo unaided crossing of Antarctica.

And Dr Gladys-Marie Fry, the folklorist who chronicled the African American experience.

**SUN 21:00 Money Box (b06z0tzn)**  
[Repeat of broadcast at 12:04 on Saturday]

**SUN 21:26 Radio 4 Appeal (b06z1zdm)**  
[Repeat of broadcast at 07:54 today]

**SUN 21:30 Analysis (b06ybnh1)**

Tomas Sedlacek: The Economics of Good and Evil

What have the Book of Genesis and the movie Fight Club got to do with GDP? According to the radical Czech economist, Tomas Sedlacek, quite a lot. He believes notions of sin and belief recorded in ancient texts should influence our thinking about the contemporary economy - and he describes the biblical story of the 7 fat cows and 7 lean cows as "the first macro-economic forecast". He argues passionately that we need to make the economy work for us, rather than us working for the state of the economy. And he condemns the way most nations have got themselves hooked on debt, in a never-ending cycle.

Evan Davis interviewed Sedlacek at University College London as part of the 100th anniversary celebrations for the School of Slavonic and East European Studies.

Producer: Hugh Levinson.

**SUN 22:00 Westminster Hour (b06z179r)**

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

**SUN 22:45 What the Papers Say (b06z1zfj)**

Zoe Williams of The Guardian looks at how the newspapers are covering the biggest stories.

**SUN 23:00 The Film Programme (b06yfdjm)**

Anna Karina on her life and work with Godard

With Francine Stock.

Anna Karina talks about her life and work with Jean-Luc Godard - why he asked her to take her clothes off in their first meeting and how he would disappear for weeks after apparently popping out to the shop around the corner.

Stanley Tucci discusses his role in Spotlight, an Oscar nominated drama about the expose of a cover-up by the Catholic Church in Boston, and why he decided not to meet the man he was playing.

Sound designer Eugene Gearty explains how he got inside the head of Brian Wilson for the Beach Boys bio-pic Love & Mercy.

**SUN 23:30 Something Understood (b06z1zdf)**

[Repeat of broadcast at 06:05 today]

#### MONDAY 01 FEBRUARY 2016

**MON 00:00 Midnight News (b06z17cd)**

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

**MON 00:15 Thinking Allowed (b06ycz4l)**

The Creative Economy, 'Grudge' Spending

The Creative Economy: Angela McRobbie, Professor of Communications at the Goldsmiths, questions what's at stake in the new politics of culture and creativity. Talking to a range of artists, stylists, fashion designers and policy makers, she considers if the new 'creative economy' is a form of labour reform which accustoms the young, urban middle classes to a world of work which lacks the security of previous generations. She's joined by Christopher Frayling, Chancellor of the Arts University, Bournemouth and former Chair of the Arts Council England.

Grudge spending: Ian Loader, Professor of Criminology at the University of Oxford, explores how we feel about buying security, compared to more enjoyable forms of spending.

Producer: Jayne Egerton.

**MON 00:45 Bells on Sunday (b06z1zdc)**

[Repeat of broadcast at 05:43 on Sunday]

**MON 00:48 Shipping Forecast (b06z17cg)**

The latest shipping forecast.

**MON 01:00 Selection of BBC World Service Programmes (b06z17cj)**

BBC Radio 4 joins the BBC World Service.

**MON 05:20 Shipping Forecast (b06z17cl)**

The latest shipping forecast.

**MON 05:30 News Briefing (b06z17cn)**

The latest news from BBC Radio 4.

**MON 05:43 Prayer for the Day (b06z9g0r)**

A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**MON 05:45 Farming Today (b06z255q)**

Subsidy Payments and Disease on Farms

Farmers still waiting for their subsidy payments are becoming increasingly frustrated but the Rural Payment Agency says that 70 per cent of payments have been made as of the end of January.

Andrew Dawes visits a farmer trying to keep a rare-breed of sheep alive. Paula Wolton keeps Whiteface Dartmoors and promotes the breed by taking her shepherds hut on the road with her project 'One Hut Full'.

Also, later this week the National Office for Animal Health will publish an update to its report on antibiotic resistance in

animals, and so all this week we'll be looking at on-farm disease control: how to stop infections getting onto the farm, and what to do if they do arrive. We kick off the week with Nigel Gibbens, chief vet for England.

Presented by Charlotte Smith and produced by Martin Poyntz-Roberts.

**MON 05:56 Weather (b06z17cq)**

The latest weather forecast for farmers.

**MON 05:58 Tweet of the Day (b04t0v6r)**

American Bald Eagle

Michael Palin presents the iconic bald eagle from Alaska. In days of yore, when bald meant "white" rather than hairless, these magnificent birds with a two metre wingspan were common over the whole of North America. They were revered in native American cultures. The Sioux wore eagle feathers in their head-dresses to protect them in battle and the Comanche celebrated the birds with an eagle dance.

The bird became a national symbol for the United States of America and on the Great Seal is pictured grasping a bunch of arrows in one talon and an olive branch in the other.

But pomp and reverence don't always guarantee protection. In 1962 in her classic book "Silent Spring", Rachel Carson warned that bald eagle populations had dwindled alarmingly and that the birds were failing to reproduce successfully. Rightly, she suspected that pesticides were responsible. Bald eagle populations crashed across the USA from the middle of the twentieth century, but fortunately are now recovering following a ban on the use of the offending pesticides.

**MON 06:00 Today (b06z9g0t)**

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

**MON 09:00 Start the Week (b06z255s)**

Language and Reinvention

On Start the Week Tom Sutcliffe talks to the violinist Edward Dusinberre about interpreting Beethoven's string quartets. The sixteen quartets are challenging to play and appreciate alike, and have been subject to endless reinterpretation. The director, Mariame Clément, puts her own spin on the rarely performed comic opera L'Etoile, introducing two actors - one English, one French - to comment on the action. A missing interpreter is at the heart of Diego Marani's new novel, which combines the author's promotion of multilingualism with an interest in the relationship between language and identity. While the poet Vahni Capildeo, who moved from her native Trinidad to Britain, explores the complexity of identity and exile and finds herself drawn to words: "Language is my home, I say; not one particular language."  
Producer: Katy Hickman.

**MON 09:45 Book of the Week (b06z255v)**

Stop the Clocks

Episode 1

Since she reached the age of 80, Dame Joan Bakewell has been working harder than ever - campaigning, writing and sitting in the Lords. Now the former journalist takes a moment to reflect on the passage of time, and the changes she has witnessed in her lifetime. Her theme is 'thoughts on what I leave behind'.

Stop the Clocks is a book of musings, a look back at what Joan Bakewell was given by her family, at the times in which she grew up - ranging from the minutiae of life, such as the knowledge of how to darn and how to make a bed properly with hospital corners, to the bigger lessons of politics, of lovers, of betrayal.

At times joyful, at times pensive, she contemplates the past without regret, and looks to the future without fear, but with firm resolve. Once the 'thinking man's crumplet', Joan remains outspoken and outrageous.

Producer: David Roper

Author/Reader: Joan Bakewell

Abridgers: David Roper and Joan Bakewell

A Heavy Entertainment production for BBC Radio 4.

**MON 10:00 Woman's Hour (b06z255x)**

Helen Dunmore. How women in Brazil are coping with the Zika virus, Long-distance relationships

Award-winning author Helen Dunmore joins Jane to discuss her new novel Exposure. Set in 1960s London during the Cold War, they'll be talking all things, spies, secrets and double lives.

The Zika virus is being linked to thousands of babies being born with birth defects. We hear from Brazil about how women in the affected countries who are pregnant or planning to have children are coping with the challenges of the disease.

Making friends with other mothers can be one of the most important, and daunting, aspects of becoming a parent but are these friendships based on support and camaraderie or is about creating careful networks for ourselves and our children? Dr Jennie Bristow and Anne-Marie O'Leary, Editor-in-Chief of Netmums discuss.

What are the challenges when it comes to being in a long distance relationship? And how is the digital age making an impact? Three young women share their experiences.

Presenter: Jane Garvey  
Producer: Anne Peacock.

**MON 10:45 John Galsworthy - The Forsyte Saga (b06z255z)**  
The Forsytes

Episode 2

John Galsworthy's epic novels of sex, money and power in an upper class family.  
Dramatised for radio by Shaun McKenna

As Soames Forsyte prepares to face his wife's lover in court, an unidentified body lies in the city morgue.

Original music composed by Neil Brand

Produced and directed by Gemma Jenkins

Over the next 2 years, BBC Radio 4 is broadcasting a new dramatisation of all 9 books in John Galsworthy's The Forsyte Saga. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

Today's play concludes the first novel "The Man of Property". It's the day after Irene Forsyte's lover, the architect, Philip Bosinney, was struck down in the fog by a hansom cab. Irene waits in his lodgings for his return.

The story continues every day this week in the 15 Minute Drama slot and concludes in the Saturday Drama at 1430.

Award-winning writers Shaun McKenna and Lin Coghlan are dramatising the complete novels and Interludes and have taken a new approach to the books - delving deeper behind the Edwardian façade to bring more of Galsworthy's wonderful insight, wit and observation from the page. Although focussed on the period in which they were written - in the first 20 years of the 20th century - the novels feel remarkably contemporary and have much to reveal of our own world and inner lives.

Jessica Raine (Call the Midwife, Jericho) takes a central role as narrator, with Juliet Aubrey playing Irene and Joseph Millson, Soames. Later in the series they are joined by Jonathan Bailey, Max Bennett and Ben Lambert.

The Producers are Marion Nancarrow and Gemma Jenkins.

**MON 11:00 The Untold (b06yr5yr)**  
Jennifer's Search for DJ Derek

In July last year, veteran Bristol DJ, Derek Serpell-Morris, known as "DJ Derek", went missing. He was last seen on CCTV camera leaving a pub, but after that, nothing. He might as well have vanished into thin air. His great niece, Jennifer Griffiths, used to be his PR manager, and for the last six months she has been the public face of the campaign to find Derek. Over those months, we follow Jennifer as she goes through the cycles of hope and despair, following leads that go nowhere and clues that seem to mean either everything or nothing. It's a detective story, but one where the final chapter is still unwritten. What does it do to a family to live with such uncertainty?

Presenter: Grace Dent  
Producer: Jolyon Jenkins and Polly Weston.

**MON 11:30 Mark Steel's in Town (b01phj47)**  
Series 4

Corby

Comedian Mark Steel returns with a new series, looking under the surface of some of the UK's more distinctive towns to shed some light on the people, history, rivalries, slang, traditions, and eccentricities that makes them unique.

Creating a bespoke stand-up set for each town, Mark performs the show in front of a local audience.

As well as examining the less visited areas of Britain, Mark uncovers stories and experiences that resonate with us all as we recognise the quirkiness of the British way of life and the rich tapestry of remarkable events and people who have shaped where we live.

During this 4th series of 'Mark Steel's In Town', Mark will visit Tobermory, Whitehaven, Handsworth, Ottery St Mary, Corby, and Chipping Norton.

This week, Mark visits Corby to uncover an unlikely town rivalry, the extraordinary story behind a baffling accent, and the truth behind the trouser press rumours... From December 2012.

Additional material by Pete Sinclair.  
Produced by Sam Bryant.

**MON 12:00 News Summary (b06z17cs)**  
The latest national and international news from BBC Radio 4.

**MON 12:04 Home Front (b06l310m)**  
1 February 1916 - Nell Kinsley

On this day, Britain woke up to news of a terrible series of zeppelin attacks on the East coast, leaving 59 dead, and Nell Kinsley looks set to lose the job she loved.

Written by Shaun McKenna  
Directed by Jessica Dromgoole  
Sound: Martha Littlehales

**SECRET SHAKESPEARE**

A Shakespeare quote is hidden in each Home Front episode that is set in 1916. These were first broadcast in 2016, the 400th anniversary year of the playwright's death. Can you spot them all?

**MON 12:15 You and Yours (b06z2561)**  
Butter sales, Living wage, Leasehold disaster

The National Living Wage will arrive in April, designed to lift the wages of the lowest paid. Almost three million people are expected to get a pay rise and the government is advertising it as "a step up for Britain". But how are employers planning to meet the costs of paying their workers more? You and Yours investigates.

Butter sales are up on the back of health industry stories about so-called good fats. But who spread the myths about our favourite fats in the first place? Margarine was once the darling of home bakers, now sales are in the doldrums, is that where they deserve to be?

And the residents of a block of Birmingham flats who bought their homes with leases only to find themselves liable for thousands of pounds of yearly ground rents they didn't expect and can't afford to pay. As the number of leasehold properties in the UK rises steadily, we ask what will remedy these conflicts between homeowners and freeholders.

**MON 12:57 Weather (b06z17cv)**  
The latest weather forecast.

**MON 13:00 World at One (b06z2563)**  
Analysis of news and current affairs, presented by Martha Kearney.

**MON 13:45 From Savage to Self (b06zh4d1)**  
Anthropology Goes to War

Farrah Jarral looks at the complex and controversial relationship between anthropologists and war.

Starting with Ursula Graham-Bower, who led Naga tribesmen against the Japanese in the Second World War, Farrah examines how anthropologists have been involved with armed conflict. She shows how US government funding allowed anthropology to expand rapidly during the Cold War, with controversial results. And she tells the story of the Human Terrain System: a programme embedding anthropologists and other social scientists with US Army combat units in Iraq and Afghanistan. To its critics, it flouted ethics rules; while its creator argues that it saved many lives.

Producer: Giles Edwards.

**MON 14:00 The Archers (b06z1zfd)**  
[Repeat of broadcast at 19:00 on Sunday]

**MON 14:15 Drama (b03q9q2j)**  
Demon Brother

Episode 1

By Matthew Broughton

When Jasper finds his father dead, a dark mystery begins to unfold. His dad kept a secret - Jasper has a twin brother, Eddie, whom he's never met. After the funeral the two brothers decide to swap lives. As Jasper escapes the confines of his faltering marriage and attempts to track down his father's killer, he soon discovers that with his new found freedom comes the threat of extreme danger.

A dark thriller in two parts that reflect each other: The first tells Jasper's story. The second tells Eddie's.

Demon Brother is a story about identity, sex and death. Shaun Dingwall (New Tricks, Young Victoria, Doctor Who) stars opposite himself as the two brothers, Jasper and Eddie - one good and one very bad. Valene Kane (The Fall) makes her radio debut as Jasper's wife Caitlin. With supporting performances from Vera Filatova (Peep Show) and Kenneth Cranham (Made in Dagenham, Layer Cake, Shine on Harvey Moon).

Directed by James Robinson  
A BBC Cymru Wales Production.

**MON 15:00 Brain of Britain (b06z2565)**  
Heat 4, 2016

(4/17)

The Queen overtook Queen Victoria as the longest-reigning monarch last year - but who is the longest-reigning King in British history? And when Mandy Rice Davies said 'He would, wouldn't he?' - who was she referring to?

These are just two of the questions Russell Davies puts to the contenders in this week's edition of Brain of Britain, the fourth heat of the 2016 series. At stake is a place in the semi-finals in the spring.

The Brains will also be challenged by a listener on whose questions they have to collaborate - and who'll win a prize if they can't agree on the right answers.

Producer: Paul Bajoria.

**MON 15:30 The Food Programme (b06z1zdw)**  
[Repeat of broadcast at 12:32 on Sunday]

**MON 16:00 Dotun and Dean (b06c0cgx)**

Hollywood actor James Dean died in a crash sixty years ago, age 24. His early death immortalised him as the first American teenager - appealing to young people in the late 1950s. Fast forward to the 1970s and a young black boy in North London hears the term Rebel without a Cause and the love affair begins.

Broadcaster Dotun Adebayo was that boy. He tells of the lengths to which he went to adapt everything he could to become like James Dean both physically and in attitude. He reveals how this led him to become London's first black Teddy Boy, one of the Southgate Teds, and how his determination to rebel got him into trouble.

Following his hero's footsteps, Dotun joined the National Youth Theatre where he met the playwright Barrie Keeffe, famed for the Long Good Friday screenplay. They got talking and it turned out Barrie had shared the Dean obsession in his youth. This resulted in writing the play Killing Time about a young black boy's obsession with James Dean - incorporating some of Dotun's own feelings.

We also hear from James Dean's family, still living in the small town where he grew up as a quiet farm boy and where he's buried - Fairmount Indiana. To them he was likeable Jimmy Dean and not the moody, rebellious Hollywood actor.

Since his death, Dean has become big business - there's the Gallery, the Museum, and the family farm's door is always open to fans. Visitors from all over the world make pilgrimages, so it seems Dotun wasn't alone in his obsession. There is also a corporation that takes care of the Dean image for the family, and their involvement in various projects brings earnings estimated at \$7 million a year. The brand continues to get stronger across the world.

Producer: Sue Clark  
A Whistledown production for BBC Radio 4.

**MON 16:30 The Infinite Monkey Cage (b06z2851)**  
Series 13

Invisible Universe

Brian Cox and Robin Ince transport the cage of infinite proportions to the Manchester Museum of Science and

Industry. They are joined on stage by impressionist Jon Culshaw and astrophysicists Sarah Bridle and Tim O'Brien as they look up at the sky to discover that everything we see only accounts for 5% of the entire universe. So what is the rest of the universe made of? What are these mysterious elements known as Dark Matter and Dark Energy and would their discovery mean a complete re-writing of the laws of physics as we know them?

Producer: Alexandra Feachem.

**MON 17:00 PM (b06z9dwy)**

Eddie Mair with interviews, context and analysis.

**MON 18:00 Six O'Clock News (b06z17cx)**

Approval for gene editing

UK scientists given permission to genetically modify human embryos for the first time.

**MON 18:30 The Museum of Curiosity (b06z2853)**

Series 8

Hound, Vickers, Smit

Professor of Ignorance John Lloyd and his curator Sarah Millican welcome:

- \* Rufus Hound, the comedian, actor, politician and Strictly Come Dancing winner
- \* Sir Tim Smit, who gave up being a music producer and took up gardening when he found the Lost Gardens of Heligan and founded the Eden Project
- \* Doris Vickers, from Vienna who studied astronomy but once woke up with an overwhelming desire to learn Latin, now combining the two as an archaeoastronomer.

The Museum's guests discuss how people could tell the time at night before the invention of clocks; how politics could be transformed with the obligatory wearing of lie-detecting suits; and why going ape in the mirror could help us see what makes us human.

Researchers: Anne Miller and Molly Oldfield of QI.

Producers: Richard Turner and James Harkin.

A BBC Radio Comedy production for BBC Radio 4 first broadcast in February 2016.

**MON 19:00 The Archers (b06z2857)**

Toby suspects Pip is broken hearted over Matthew but she says on the contrary - they are very much still an item. Toby says it was clearly just a holiday romance. Suspicious Jill arrives on the scene and Toby makes his excuses. To Jill Pip reflects on how fate seems to have played a hand in her meeting Matthew - he doesn't judge and Pip can be totally herself with him.

Brian seems in a mood - he admits to Jennifer he's wondering about how wise it would be to re-join the BL Board. Brian's also concerned about Kate, who seems to be avoiding him - never a good sign. Brian briefs Adam to be business-like at their crucial BL meeting on Thursday. Adam points out that he wants the Estate contract back as much as Brian does.

Lilian feels like she has got her mojo back, modelling for Jennifer a new outfit which she has bought. Jennifer will carefully choose her moment to tell Brian about Lilian staying on at Home Farm. Lilian and Jennifer also privately discuss Kate's problems with her rural retreat business - it's all clearly going to be too expensive. Brian asks what they're whispering about - what are they plotting? Jennifer accuses Brian of being paranoid.

**MON 19:15 Front Row (b06z2bqy)**

Dad's Army, Annie Nightingale on Janis Joplin, Dawn Walton, Hieronymus Bosch

Kirsty Lang talks to the director and writer of the new Dad's Army movie, Oliver Parker and Hamish McColl.

Annie Nightingale reviews a documentary about the singer Janis Joplin.

Dawn Walton discusses her production of Lorraine Hansberry's A Raisin In The Sun at The Crucible Studio Theatre in Sheffield.

And a newly discovered work by Hieronymus Bosch goes on show at an exhibition to mark the 500th anniversary of the artist.

Produced by Tim Prosser.

**MON 19:45 John Galsworthy - The Forsyte Saga (b06z255z)**

[Repeat of broadcast at 10:45 today]

**MON 20:00 Gay Bombay (b06z2br0)**

Why is homosexuality still illegal in the world's so-called largest democracy? In his celebrated family memoir 'And All is Said', historian Dr Zareer Masani made no bones about his own homosexuality and the problems it posed growing up in the India of the 1950s and '60s. Much seemed to have changed in the intervening half century. But with a renewed Hindu nationalism dominant in both political and cultural life, Zareer returns to Mumbai (formerly Bombay) to find out whether growing acceptance of gay rights is being put in reverse.

Attempts were made in the recent past to overthrow an old colonial law making homosexuality a crime punishable by life imprisonment. The Delhi High Court held that this section of India's criminal law was unconstitutional; but that decision was overturned by India's Supreme Court two years ago. Zareer asks Justice Shah, who gave the earlier, landmark judgement decriminalising homosexuality, whether its liberal impact can really be reversed. He talks to the various gay and lesbian groups who are active in Mumbai, and to prominent, openly gay individuals like Mr Gay India 2014. Zareer returns to Bombay's elite Anglican school where he once suffered homophobic bullying. And he spends a day with the amazing Humsafar Trust, that provides everything from HIV treatment to counselling and legal advocacy for LGBT men and women outside Bombay's affluent, liberal middle class bubble.

In his youth, Zareer found it impossible to live an openly gay life in the country of his birth. This programme is his journey back home to find out whether the liberalisation he's observed during his lifetime has now been halted by the moral policing of governments and religious extremists.

Producer: Tom Alban.

**MON 20:30 Analysis (b06z2br2)**

Space Wars, Space Peace

Chris Bowlby explores the shifting balance between two visions of outer space - as a place of harmony and as a zone of growing international tension. We may think war in space is a scenario dreamed up by Hollywood. But the world's top military minds now believe future wars will be fought both on Earth - and above it. Chris visits an arms sales fair, and hears how space now affects everything from how armies move, to how nuclear deterrence works. Could crucial satellites he hacked in an act of aggression, might space debris trigger a war? Why is China taking space security so seriously? And can the international cooperation which put astronaut Tim Peake into space survive?

Producer: Chris Bowlby

Editor: Hugh Levinson.

**MON 21:00 Crafty Orchids (b06ygl6)**

Anyone with a few pounds to spare can buy a tropical orchid these days. Growers have perfected the process of germinating the thousands of tiny seeds produced by each seed pod, enabling them to grow the plants in their millions. We are now able to pop into our local garden centre or supermarket and pick up a piece of tropical paradise whenever we want.

How has their appearance, scent and biology manipulated us into spreading them? The historian Jim Endersby examines how a potent mixture of imperial conquest, mysterious glamour and scientific study has helped one of the world's most beguiling plants to fascinate everyone from houseplant owners to generations of scientists.

Orchids have been associated with sex since ancient time (their name comes from the Greek orkhis, meaning testicle), but it was during the 19th century that the mysterious glamour of orchids really began to take hold. They turned on their keepers and started trying to kill those who grew them. The first victim was a Mr Winter-Wedderburn, who almost died when a vampiric orchid tried to drain every drop of blood from his body. Luckily attacks only occurred in fiction. But why did deadly sexy mobile killer orchids start to stalk the suburban greenhouses and the imaginations of their cultivators, in turn spawning what's now a multi-billion worldwide orchid industry?

Historian of science, Jim Endersby of the University of Sussex, shows us that the killer orchids are rooted in the sober, scientific work of Charles Darwin who devoted many years to working out why they have such fantastic shapes. He realised that orchids are fertilised by insects and their shapes, colours and scents all serve to lure their hapless pollinators to them often with extraordinary tricks of mimicry. They proved a tool for Darwin to demonstrate natural selection in action and he'd go on to change the ways people imagined plants, transforming them from dull, unresponsive vegetables into active creatures, who might prove to be crafty, lethal, sexy or even moral.

Today, botanists estimate there to be some 30,000 orchid

species, with blooms ranging from the showy Cattleya to the spider-shaped Brassia. They know that the highly specific relationships that orchids have with just one insect pollinator have played a major role in the success of the family. But paradoxically their success is also their weakness. Adaptations to very particular local conditions can make species vulnerable to sudden changes in their environment.

As Jim Endersby reveals, this process has been tracked in detail on the Sussex downs, through a 3 decades-long study of one species of native British orchid, the Early-Spider orchid. These tiny plants have chocolate-brown flowers, covered in what look like hairs, that look a little like bees. The orchids use them to trick insects into what scientists call "pseudocopulation"; the bees try to mate with the flowers, and end up transferring their pollen to another plant. But warmer British spring temperatures are threatening the delicate relationship between the orchid and its pollinator. Could the key to saving these orchids lie with us? They've seduced us with their shapes, colonised our imaginations and modified our tastes so that we are now the next victim lured into assisting them with their efforts to reproduce.

Producer Adrian Washbourne

Main Picture : Probably the first specimen of Angraecum sesquipedale to bloom in Britain, drawn by Walter Hood Fitch. From William Jackson Hooker. A century of orchidaceous plants selected from Curtis's botanical magazine (1849). Reproduced by kind permission of the Board of Trustees of the Royal Botanic Gardens, Kew.

**MON 21:30 Start the Week (b06z255s)**

[Repeat of broadcast at 09:00 today]

**MON 21:58 Weather (b06z17cz)**

The latest weather forecast.

**MON 22:00 The World Tonight (b06z2br4)**

WHO declares Zika global emergency

The World Health Organisation has said a surge in serious birth defects - linked to the spread of the Zika virus - constitutes an international health emergency. Christian Lindmeier of the WHO told this programme that health officials had learned lessons from the Ebola crisis and were responding quickly to the situation in South America.

**MON 22:45 Book at Bedtime (b06z2flb)**

Orlando

Boyhood

In Virginia Woolf's boisterous adventure her hero, Orlando, embarks on a tumultuous journey spanning five centuries.

Orlando, "the longest and most charming love letter in literature" was intended for and inspired by Vita Sackville-West and her noble roots. Along with the eponymous hero's adventuring through the ages, Woolf explores what it means to write and the all important question of gender - as relevant and resonant today as it was in the 1920s when she wrote this high spirited novel.

Orlando, is a young nobleman in Tudor England when we first encounter him and he writes the first lines of his poem, The Oak Tree, a poem that he keeps about him as he travels through time. Swept along by his adventures we next find him as he falls in love for the first time with a beautiful Russian princess on the frozen Thames at the court of James I. A desire to write leads to a disastrous meeting with a much admired poet before, under Charles I, he becomes the king's charismatic ambassador in Constantinople. A dramatic transformation takes place in this opulent city and Orlando continues his adventures as a woman. Returning to eighteenth century London, the life of the poet continues to call, but later the restrictions placed upon Orlando by the Victorian era are impossible to bear. Glimmers of new possibilities arrive with the twentieth century and the promise of fulfilment through love and writing.

Reader: Amanda Hale

Abridger: Richard Hamilton

Producer: Elizabeth Allard.

**MON 23:00 Word of Mouth (b06yrc4v)**

How Shakespeare Spoke

Forget Laurence Olivier and Peggy Ashcroft, Al Pacino and Judi Dench. To take us back to Shakespeare's own time Michael Rosen and Dr Laura Wright hear Shakespeare as he himself would have spoken. The original, unvarnished version from linguist David Crystal and actor Ben Crystal. They look at the fashion for Original Pronunciation and ask what it can tell us about how we speak now.

Michael and Laura perform some of Shakespeare's best known work in the original accent and attempt to bring new meaning and wit to language coated by centuries of veneer.

Producer: Mair Bosworth.

**MON 23:30 Today in Parliament (b06z2flk)**

Labour accuses the Government of being 'in denial' over the funding of the health service and say hospitals are 'buckling under the strain' of cutbacks. Sean Curran follows the exchanges in the Commons.

Also in the programme:

\* MPs say women born in the 1950s have been badly treated over changes to their pension entitlements.

\* The Prime Minister's National Security Adviser tells a committee that the terrorist threat from Libya is a "major concern".

\* Peers criticise measures in the Government's Immigration Bill

**TUESDAY 02 FEBRUARY 2016**

**TUE 00:00 Midnight News (b06z17f0)**

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

**TUE 00:30 Book of the Week (b06z255v)**

[Repeat of broadcast at 09:45 on Monday]

**TUE 00:48 Shipping Forecast (b06z17f2)**

The latest shipping forecast.

**TUE 01:00 Selection of BBC World Service Programmes (b06z17f6)**

BBC Radio 4 joins the BBC World Service.

**TUE 05:20 Shipping Forecast (b06z17f8)**

The latest shipping forecast.

**TUE 05:30 News Briefing (b06z17fb)**

The latest news from BBC Radio 4.

**TUE 05:43 Prayer for the Day (b06zj61)**

A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**TUE 05:45 Farming Today (b06z2fyd)**

Tesco shifts its milk supply from Arla to Muller

Could changes to Tesco's milk supply chain mean yet more misery for dairy farmers? One analyst tells us that the effect on the industry will be seismic.

Scientists in research centres across the UK have launched a study to find out whether sea creatures like mussels have an impact on the effectiveness of offshore renewable energy projects.

Caz Graham revisits a Cumbrian dairy farmer whose entire herd of cows had to be culled back in 2012 after they fell sick with a complex combination of different strains of a pathogen called mycoplasma.

Presented by Caz Graham and produced by Beatrice Fenton.

**TUE 05:58 Tweet of the Day (b040v8k)**

Budgerigar

Michael Palin presents the wild budgerigar from Australia. Budgerigars are small Australian parrots whose common name may derive from the aboriginal "Betcherrygah" which, roughly speaking, means "good to eat" though it could mean "good food" as budgerigars follow the rains and so their flocks would indicate where there might be seeds and fruits for people.

Where food and water are available together; huge flocks gather, sometimes a hundred thousand strong, queuing in thirsty ranks to take their turn at waterholes. Should a falcon appear, they explode into the air with a roar of wingbeats and perform astonishing aerobatics similar to the murmurations of starlings in the UK.

Although many colour varieties have been bred in captivity, wild budgerigars are bright green below, beautifully enhanced with dark scalloped barring above, with yellow throats and foreheads. With a good view, you can tell the male by the small knob of blue flesh, known as a cere, above his beak.

**TUE 06:00 Today (b070drln)**

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

**TUE 09:00 The Reith Lectures (b06qjzv8)**

Professor Stephen Hawking: Black Holes

Black holes ain't as black as they are painted

The Cambridge cosmologist Professor Stephen Hawking delivers the second of his BBC Reith Lectures on black holes.

Professor Hawking examines scientific thinking about black holes and challenges the idea that all matter and information is destroyed irretrievably within them. He explains his own hypothesis that black holes may emit a form of radiation, now known as Hawking Radiation. He discusses the search for mini black holes, noting that so far "no-one has found any, which is a pity because if they had, I would have got a Nobel Prize." And he advances a theory that information may remain stored within black holes in a scrambled form.

The programmes are recorded in front of an audience of Radio 4 listeners and some of the country's leading scientists at the Royal Institution of Great Britain in London.

Sue Lawley introduces the evening and chairs a question-and-answer session with Professor Hawking. Radio 4 listeners submitted questions in their hundreds, of which a selection were invited to attend the event to put their questions in person to Professor Hawking.

Producer: Jim Frank.

**TUE 09:30 One to One (b06z5lvq)**

Steve Backshall

Steve Backshall is one of our leading natural history broadcasters; he's also an extreme sportsman who has conquered some of the world's most dangerous mountains. Despite suffering a severe rock-climbing injury in 2008 he continues to set himself extraordinary challenges.

For this edition of One to One, Steve meets explorer Ann Daniels to discover what drives her need for adventure: Ann is the record breaking polar explorer who, in 2002, became the first woman in history (along with a teammate) to have reached both the North and South poles as part of an all-woman team.

Producer: Karen Gregor.

**TUE 09:45 Book of the Week (b06zhjck)**

Stop the Clocks

Episode 2

Since she reached the age of 80, Dame Joan Bakewell has been working harder than ever - campaigning, writing and sitting in the Lords. Now the former journalist takes a moment to reflect on the passage of time, and the changes she has witnessed in her lifetime. Her theme is 'thoughts on what I leave behind'.

Stop the Clocks is a book of musings, a look back at what Joan Bakewell was given by her family, at the times in which she grew up - ranging from the minutiae of life, such as the knowledge of how to darn and how to make a bed properly with hospital corners, to the bigger lessons of politics, of lovers, of betrayal.

At times joyful, at times pensive, she contemplates the past without regret, and looks to the future without fear, but with firm resolve. Once the 'thinking man's crumpet', Joan remains outspoken and outrageous.

Producer: David Roper

Author/Reader: Joan Bakewell

Abridgers: David Roper and Joan Bakewell

A Heavy Entertainment production for BBC Radio 4.

**TUE 10:00 Woman's Hour (b06z2h3l)**

Sex and long-term relationships, Kids Company, Modest fashion

It's the million dollar question - how to enjoy a healthy sex life with your long term partner. Jane Garvey explores the reasons why couples run into trouble and explores pleasurable ways of getting things going again.

What do the results of the Iowa caucus means for women in the race for the White House?

This week a documentary, Camila's Kids Company: The Inside Story shows the fight to save the charity and apportion blame. We'll be talking to the documentary maker as well as the CEO of Children England about the state of services for vulnerable

children.

Longer skirts and higher necklines are currently in fashion - is this good news for women who want to cover up. We explore the culture, history and practicalities of dressing modestly.

**TUE 10:45 John Galsworthy - The Forsyte Saga (b06z2h3n)**

The Forsytes

Episode 3

John Galsworthy's epic novels of sex, money and power in an upper class family. Dramatised for radio by Shaun McKenna

An idyllic summer in 1892 and an unexpected encounter reawakens long-forgotten emotions in Old Jolyon

Original music composed by Neil Brand

Produced and directed by Gemma Jenkins

Over the next 2 years, BBC Radio 4 is broadcasting a new dramatisation of all 9 books in John Galsworthy's The Forsyte Saga. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

Today's play is from the interlude "Indian Summer of a Forsyte". Five years have passed since the scandal of Irene and Soames split the Forsyte family apart. Old Jolyon has turned his back on Soames's side of the family and contemplates a move to the country.

The story continues every day this week in the 15 Minute Drama slot and concludes in the Saturday Drama at 1430.

Award-winning writers Shaun McKenna and Lin Coghlan are dramatising the complete novels and Interludes and have taken a new approach to the books - delving deeper behind the Edwardian façade to bring more of Galsworthy's wonderful insight, wit and observation from the page. Although focussed on the period in which they were written - in the first 20 years of the 20th century - the novels feel remarkably contemporary and have much to reveal of our own world and inner lives.

Jessica Raine (Call the Midwife, Jericho) takes a central role as narrator, with Juliet Aubrey playing Irene and Joseph Millson, Soames. Later in the series they are joined by Jonathan Bailey, Max Bennett and Ben Lambert.

The Producers are Marion Nancarrow and Gemma Jenkins.

**TUE 11:00 Unnatural Selection (b06ztq58)**

Humans have been altering animals for millennia. We select the most docile livestock, the most loyal dogs, to breed the animals we need. This "artificial selection" is intentional. But as Adam Hart discovers, our hunting, fishing and harvesting are having unintended effects on wild animals. Welcome to the age of "unnatural selection".

This accidental, inadvertent or unintentional selection pressure comes from almost everything we do - from hunting, fishing, harvesting and collecting to using chemicals like pesticides and herbicides; then pollution; urbanisation and habitat change as well as using medicines. All these activities are putting evolutionary pressures on the creatures we share our planet with.

Commercial fishing selects the biggest fish in the oceans, the biggest fish in a population, like Atlantic cod, are also the slowest to reach breeding maturity. When these are caught and taken out of the equation, the genes for slow maturity and 'bigness' are taken out of the gene pool. Over decades, this relentless predation has led to the Atlantic cod evolving to be vastly smaller and faster to mature.

Trophy hunting is another example of unnatural selection. Predators in the wild tend to pick off the easiest to catch, smallest, youngest or oldest, ailing prey. But human hunters want the biggest animals with the biggest antlers or horns. Big Horn Sheep in Canada have evolved to have 25% smaller horns due to hunting pressures.

Probably the best understood examples of unnatural selection are the evolution of antibiotic resistance in bacteria. By using antibiotics we're inadvertently selecting the bacteria that have resistance to the drugs. The same goes for agricultural pesticides and herbicides.

Even pollution in Victorian times led to the Peppered moth to change its colour.

Adam discovers that our influence is universal: often counter to natural selective pressures and is rarely easy to reverse. He explores the impact on entire environments and asks whether we could or should be doing something to mitigate our



evolutionary effects.

Producers: Fiona Roberts and Marnie Chesterton.

**TUE 11:30 The Gospel Truth (b06z2kyc)**  
Episode 2

Gospel's uplifting and rejoicing sound is world famous, a multi million-dollar music genre that in many ways has ended up the beating heart of American popular music. But can gospel be gospel if it entertains, makes money and praises the Lord at the same time? Financial educator Alvin Hall explores how this American religious music genre has been affected by both commercialisation and secularisation.

In this second part, Alvin explains how gospel became a global force in popular music. He reveals how Aretha Franklin's marriage of pop to gospel sold millions of records, introducing gospel to a world audience in the process. He looks at the rise of the gospel choir in the 1970s and 80s and discovers how it increasingly became a money-making industry. He also meets leading gospel stars Kirk Franklin and Donnie McClurkin to ask whether they think today's gospel stars have been affected by money and celebrity.

**TUE 12:00 News Summary (b06z17fd)**

The latest national and international news from BBC Radio 4.

**TUE 12:04 Home Front (b06l3115)**

2 February 1916 - Isabel Graham

On this day, the Board of Agriculture issued a notice advising that convalescent soldiers could be used for farm work, and Isabel tries hard to find something for Cristine to do.

Written by Shaun McKenna  
Directed by Jessica Dromgoole  
Sound: Martha Littlehailes

**TUE 12:15 You and Yours (b06z8gjs)**

Call You and Yours: Internet Shopping

On Call You and Yours we want to know how the internet has changed the way you shop? Email: youandyours@bbc.co.uk

There are five stages to buying - you decide you need something, you search for information, you weigh up the alternatives, part with your money and afterwards decide whether what you bought was worth it or not. Online is there at every stage - how has it changed the way you shop for food, clothes, entertainment and big ticket items?

Tell us how online shopping has changed your buying habits. How has your local high street changed because of it? If you're a shop keeper, how has online changed your business?

Email us now - youandyours@bbc.co.uk and don't forget to leave a phone number so we can call you back.

You can call our phone line after **10am** on Tuesday - 03700 100 444.

Join Winifred Robinson at **12.15pm**.

**TUE 12:57 Weather (b06z17fg)**

The latest weather forecast.

**TUE 13:00 World at One (b06z8g1v)**

We have now got the first real sense of the deal we'll vote on in an EU referendum. The draft from the European Council President does include an "emergency brake" on benefit payments to migrants, and a so called red card allowing national parliaments to block EU laws. But will it be enough to convince wavering voters? We'll hear from both sides and pick our way through the detail of the proposal.

**TUE 13:45 From Savage to Self (b06zh4g6)**  
Anthropology in Crisis

Farrah Jarral examines how the end of empire brought a dramatic change of mindset.

Farrah hears how anthropology was forced to reckon with its colonial heritage, raising questions about how knowledge was produced - and by whom. She speaks to Professor Talal Asad, an academic who wrote a seminal book on the subject, and to an activist still fighting the same battles he first fought almost forty years ago.

But anthropology's existential crisis posed other questions about what it can really know, too, and about how research should be

conducted; and Farrah meets up with an old colleague to see the results.

Producer: Giles Edwards.

**TUE 14:00 The Archers (b06z2857)**

[Repeat of broadcast at 19:00 on Monday]

**TUE 14:15 Drama (b03qflhh)**

Demon Brother

Episode 2

By Matthew Broughton

When Eddie finds out he has an identical twin brother, Jasper, he sees an opportunity to escape his seedy life of petty crime. He decides to steal Jasper's life. But as Eddie begins to fall in love with Jasper's wife, Caitlin, he discovers a side of himself he never knew existed.

A dark thriller in two parts that reflect each other: The first tells Jasper's story. The second tells Eddie's.

Demon Brother is a story about identity, sex and death. Shaun Dingwall (New Tricks, Young Victoria, Doctor Who) stars opposite himself as the two brothers, Jasper and Eddie - one good and one very bad. Valene Kane (The Fall) makes her radio debut as Jasper's wife Caitlin. With supporting performances from Vera Filatova (Peep Show) and Kenneth Cranham (Made in Dagenham, Layer Cake, Shine on Harvey Moon).

Directed by James Robinson  
A BBC Cymru Wales Production.

**TUE 15:00 The Kitchen Cabinet (b06z0tqg)**

[Repeat of broadcast at 10:30 on Saturday]

**TUE 15:30 The Problem of Pain - A Slow Motion Catastrophe (b061t68w)**

We are all living longer, but for many that means suffering chronic pain for longer too. Dr Sarah Goldingay explores new and groundbreaking research into relieving chronic pain.

Unlike acute pain - when we stub our toe or stand too close to a fire - chronic pain doesn't go away. Conventional medicine cannot cure chronic pain but can only give limited relief to the situation.

With longer life expectancies, it's estimated the NHS will need an additional £5 billion by 2018 to deal with chronic conditions. So a new approach is needed.

Dr Sarah Goldingay from the University of Exeter investigates these new approaches to dealing with chronic pain, which go well beyond traditional medicine. She explores how some researchers are considering the problem in a more holistic and radical way by looking at mind, body and spirit combined. She also investigates how our social interactions can dictate the ways we live with chronic pain.

Dr Goldingay speaks to world experts like Dr Miguel Farias, a neuro-psychologist who's innovative work has shown a link between belief and pain, and Dr Jen Tarr who offers insights into the importance of community on pain management. She also visits Lourdes to discover if the spiritual can offer relief from chronic pain.

Produced by Mark Sharman  
A TBI production for BBC Radio 4.

**TUE 16:00 Word of Mouth (b06z2pmp)**

The Top 20 Words in English

Michael Rosen and Dr Laura Wright guide us through the top 20 words in English. Not the best or most popular (that would include tentacular, ping-pong and sesquipedalian (look it up - it's a cracker). Plus a lot of swearing. No this is the 20 most commonly used. It's actually quite a boring list - full of 'And', 'I', 'of' etc - but look a little closer and it tells you all about the structure of language. The little words you really can't do without that glue all the other ones together.

This kind of list comes from a branch of linguistics called Corpus Linguistics. It looks at the frequency and distribution of words in large bodies of text or speech. You can apply it to anything - political debates, lonely hearts columns or pop songs. Which is exactly what our guest Prof Jonathan Culpeper has done. That's high end linguistics and Pharell Williams. Only on Word of Mouth.

APPENDIX 1 - THE LIST!

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**TUE 16:30 A Good Read (b06z2pmt)**

Vanessa Feltz and David Hepworth

Broadcaster Vanessa Feltz and David Hepworth, the man behind magazines including Smash Hits, Q and Heat debate their favourite books with Harriett Gilbert. Vanessa champions an unusual tale from Dodie Smith, A Tale of Two Families. The book David loves is a novel of scheming and ambition from Edith Wharton, The Custom of the Country. Harriett has chosen Hilary Mantel's Beyond Black, which is perhaps the least prized of her novels, but, Harriett insists, the best. Not everybody agrees. Producer Sally Heaven.

**TUE 17:00 PM (b06z8g1x)**

Eddie Mair with interviews, context and analysis.

**TUE 18:00 Six O'Clock News (b06z17fj)**

EU deal paves the way for referendum in summer. Pentagon quadruples Europe spending

**TUE 18:30 Thanks a Lot, Milton Jones! (b06z2pmy)**

Series 2

The Bodyguard

Milton offers his services as a bodyguard and discovers that a South American diva and a tent full of home-made jam don't mix - as well as he'd imagined.

Mention Milton Jones to most people and the first thing they think is 'Help!'. Because each week, Milton and his trusty assistant Anton (played by Milton regular, Tom Goodman-Hill) set out to help people and soon find they're embroiled in a new adventure. Because when you're close to the edge, then Milton can give you a push.

"Milton Jones is one of Britain's best gagsmiths with a flair for creating daft yet perfect one-liners." The Guardian.

"King of the surreal one-liners." The Times

"If you haven't caught up with Jones yet - do so!" The Daily Mail

Written by Milton with James Cary (Bluestone 42, Miranda) and Dan Evans (who co-wrote Milton's Channel 4 show House Of Rooms), the man they call "Britain's funniest Milton" returns to the radio with a fully-working cast and a shipload of new jokes.

The cast includes regulars Tom Goodman-Hill (Spamalot, Mr. Selfridge) as the ever-faithful Anton, Josie Lawrence and Dan Tetsell.

With music by Guy Jackson.

Produced and directed by David Tyler  
A Pozziive production for BBC Radio 4.

**TUE 19:00 The Archers (b06z2pn4)**

Lynda's keen to join Susan, Shula and the village hall's curtain committee, as she has an idea about how to raise money for new stage curtains - Lent. Everyone can give something up and use the cash they save to contribute towards them.

Rob brings Helen tea in bed and a biscuit, hoping she's up to it as she has been feeling queasy recently. Rob wonders who Helen is texting so early - Helen says it's Pat. But Helen doesn't tell Rob that she has planned a secret trip for Henry and briefs Henry that she'll collect him from school. He mustn't breathe a word.

To Helen's shock and surprise, Rob turns up at the school gates

as she tries to take Henry away. Wondering why Helen has driven he wonders whether Henry is ill - why is she talking him out of school? Helen admits they're meeting Kirsty - she pretended he had a doctor's appointment. Rob apologises to the teacher and explains that Helen must have muddled her dates. Henry gets upset and Rob tells Helen it's Kirsty's bad influence.

Alone on the steam train, Kirsty open sup to Roy about her relationship with Helen, suspecting something's up. Kirsty knows she needs to be careful - she wants Helen to trust her again. Otherwise she'd jump off the train now and go straight round to Blossom Hill cottage.

**TUE 19:15 Front Row (b06z8gjj)**

Adrian Lester in Red Velvet, Zaha Hadid, John Irving, Bruegel

Architect Dame Zaha Hadid will receive the 2016 Royal Gold Medal from The Royal Institute of British Architects this week. She's the first woman to be awarded the prestigious honour in her own right. She talks to John Wilson about her work.

John Irving, author of hugely popular novels including The World According to Garp and A Prayer for Owen Meany, discusses his latest book Avenue of Mysteries, an examination of miracles, damaged childhoods, the writer's life and the perils of the circus.

Adrian Lester stars as Victorian actor Ira Aldridge in Red Velvet, the latest production from the Kenneth Branagh Company. In 1833 Aldridge became the first black actor to play Othello on the London stage when he was invited to take over from Edmund Kean. Playwright Gabriel Gbadamosi reviews.

Pieter Bruegel the Elder is known for his highly-coloured, earthy and vivid depiction of rowdy peasants in 16th-century Netherlands. But he also painted religious works. For the first time his only three surviving grisaille paintings will be shown together at the Courtauld Gallery in London. Curator Karen Serres explains their significance.

Presenter: John Wilson  
Producer: Angie Nehring.

**TUE 19:45 John Galsworthy - The Forsyte Saga (b06z2h3n)**  
[Repeat of broadcast at 10:45 today]

**TUE 20:00 File on 4 (b06z2pn8)**  
Vaccine Damages

Vaccination has long been one of the greatest weapons in the battle against a range of potentially fatal diseases. Millions of lives have been saved worldwide, and Britain has played a major role in helping to combat new pandemics. But, rarely, things do go wrong and people develop serious side-effects. In the UK, the Government's Vaccine Damage Payment Scheme is supposed to help those left severely disabled as a result. Among those currently arguing their case are the families of children who developed an incurable and devastating sleep disorder after being immunised against swine flu. But, to date, most have received nothing and Ministers have now gone to the Court of Appeal to try and establish a less generous interpretation of the pay-out rules. Lawyers for the families say the whole scheme is outdated and unfit for purpose. Are they right? Jenny Chriss investigates.

Reporter: Jenny Chriss Producer: Ruth Evans.

**TUE 20:40 In Touch (b06z17fl)**  
Depression, How to Be Helpful

The charity, Guide Dogs, says that depression is not being screened for in the newly blind, leaving some people feeling desperate and hopeless. We explore their findings and their solutions. As more foreign content appears on the TV we hear about developments in audio description. And how can we help others in their time of need, when being blind sometimes makes it hard to be useful?

**TUE 21:00 Inside Health (b06z2pnd)**  
Blood pressure, Palm oil

How low should you go when treating blood pressure? Mark Porter talks to the author of landmark study that was stopped early because the benefits of aggressive treatment were so convincing. This looks set to change the management of high blood pressure and millions more people in the UK will be taking extra medication. Dr Margaret McCartney debates the issues with Professor Tony Heagerty.

Imagine if your high blood pressure could be cured by an operation that meant no pills at all? That's possible if it's due to a condition called Conn's syndrome, now thought to be much more common than previously thought. Mark Porter hears from leading specialist, Professor Morris Brown, plus a school

teacher who spent 10 years on pills before being diagnosed and is now cured.

And an Inside Health listener asks: why is palm oil in everything?

**TUE 21:30 The Reith Lectures (b06qjzv8)**  
[Repeat of broadcast at 09:00 today]

**TUE 21:58 Weather (b06z17fn)**  
The latest weather forecast.

**TUE 22:00 The World Tonight (b06z2pnl)**  
Cameron - EU deal worth fighting for

Opponents say EU deal is a "fudge and a farce" - we have a view from Slough and from Poland. America wakes up to a surprise result in Iowa - we talk to Hillary Clinton's former adviser. And Pentagon plans to quadruple its budget in Europe.

**TUE 22:45 Book at Bedtime (b06z98rc)**  
Orlando

The Muscovite Princess

In Virginia Woolf's boisterous novel Orlando's adventures continue when a beguiling Muscovite princess skates into view on the frozen Thames at the court of James I. The reader is Amanda Hale

Abrider: Richard Hamilton  
Producer: Elizabeth Allard.

**TUE 23:00 The Infinite Monkey Cage (b06z2851)**  
[Repeat of broadcast at 16:30 on Monday]

**TUE 23:30 Today in Parliament (b06z2pnn)**  
Joanna Shinn reports from Westminster as ministers face pressure from MPs over a draft deal aimed at keeping Britain in the EU and the international response to the Zika virus. Labour remains critical of the Government over recent job losses in the steel industry. MPs question leading social media companies as they look at how best to counter terrorism. And the Chief Medical Officer defends the latest guidelines on alcohol consumption.

**WEDNESDAY 03 FEBRUARY 2016**

**WED 00:00 Midnight News (b06z17gk)**  
The latest national and international news from BBC Radio 4. Followed by Weather.

**WED 00:30 Book of the Week (b06zhjck)**  
[Repeat of broadcast at 09:45 on Tuesday]

**WED 00:48 Shipping Forecast (b06z17gm)**  
The latest shipping forecast.

**WED 01:00 Selection of BBC World Service Programmes (b06z17gp)**  
BBC Radio 4 joins the BBC World Service.

**WED 05:20 Shipping Forecast (b06z17gt)**  
The latest shipping forecast.

**WED 05:30 News Briefing (b06z17gy)**  
The latest news from BBC Radio 4.

**WED 05:43 Prayer for the Day (b06zhznm)**  
A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**WED 05:45 Farming Today (b06z2qn1)**  
Scottish subsidy payments, Starling murmurations, Biosecurity

Two thirds of Scottish farmers are still waiting for their subsidy payments. The Scottish Government says action is being taken to pay farmers and crofters as quickly as possible, but the National Farmers' Union of Scotland say businesses are struggling.

The Royal Society of Biology is asking the public to record sightings of starling murmurations to help establish the reasons

behind the behaviour.

The National Stud at Newmarket has closed and cancelled all of its public tours after the discovery of the neurological herpes virus.

Presented by Caz Graham and produced by Beatrice Fenton.

**WED 05:58 Tweet of the Day (b04t0v9m)**  
Magnificent Frigatebird

Michael Palin presents the magnificent frigatebird a true oceanic bird, and resembling a hook-billed, pterodactyl of a seabird.

Magnificent frigatebirds are some of the most accomplished aeronauts of the tropical oceans. Their huge wingspans of over two metres and long forked tails allow them to soar effortlessly and pluck flying fish from the air, and also harass seabirds. These acts of piracy earned them the name Man-o' War birds and attracted the attention of Christopher Columbus. Magnificent Frigatebirds breed on islands in the Caribbean, and along the tropical Pacific and Atlantic coasts of central and South America as well as on the Galapagos Islands. Frigatebird courtship is an extravagant affair. The males gather in "clubs", perching on low trees or bushes.

Here they inflate their red throat-pouches into huge scarlet balloons, calling and clattering their bills together as they try to lure down a female flying overhead. If they're successful, they will sire a single chick which is looked after by both parents for three months and by its mother only for up to 14 months, the longest period of parental care by any bird.

**WED 06:00 Today (b06z2qn3)**  
Morning news and current affairs. Including Sports Desk. Yesterday in Parliament, Weather and Thought for the Day.

**WED 09:00 Midweek (b06z2qv1)**  
Dame Joan Bakewell, Willard Wigan, Patricia Kopatchinskaja, Gary Clarke

Lemn Sissay meets broadcaster and writer Dame Joan Bakewell; micro sculptor Willard Wigan; choreographer Gary Clarke and violinist Patricia Kopatchinskaja.

Willard Wigan MBE is a micro sculptor. He creates minute pieces of art, so small they are almost invisible to the naked eye and can only be viewed through a microscope. His materials range from spiders' webs to grains of sand. His latest exhibition, Homecoming, reflects his view of the Black Country where he grew up and features his latest work - a tiny sculpture of Noddy Holder. Willard Wigan Homecoming is at Light House Media Centre in Wolverhampton.

Dame Joan Bakewell CBE is a broadcaster and writer. In her memoir, Stop the Clocks, she muses on the life she has lived through, how the world has changed and considers the values she will leave behind. She sits in the House of Lords as a Labour peer - Baroness Bakewell of Stockport. She is also president of Birkbeck College, University of London. Stop the Clocks - Thoughts on What I Leave Behind is published by Little, Brown.

Gary Clarke is a contemporary dancer and choreographer. He grew up in Grimethorpe in the heart of the Yorkshire coalfields and his new show, Coal, is inspired by the mining industry and the miners' strike. Coal addresses the hard-hitting realities of life down the pits and features a soundscape of traditional brass band music mixed with thunderous machinery. Coal - the True story of an Industry and a Community's Fight for Survival premieres at the DanceXchange in Birmingham and then starts a UK tour.

Patricia Kopatchinskaja is a violinist. Born in Moldova, her family emigrated to Austria after the fall of communism. At the age of 17 she entered the Vienna Academy of Music. She is performing with the Orchestra of the Age of Enlightenment at the Royal Festival Hall at an event called Changing Minds which addresses the impact of mental health on classical music and composition.

Producer: Paula McGinley.

**WED 09:45 Book of the Week (b06zhzns)**  
Stop the Clocks

Episode 3

Since she reached the age of 80, Dame Joan Bakewell has been working harder than ever - campaigning, writing and sitting in the Lords. Now the former journalist takes a moment to reflect on the passage of time, and the changes she has witnessed in her lifetime. Her theme is 'thoughts on what I leave behind'.

Stop the Clocks is a book of musings, a look back at what Joan Bakewell was given by her family, at the times in which she grew up - ranging from the minutiae of life, such as the knowledge of how to darn and how to make a bed properly with hospital corners, to the bigger lessons of politics, of lovers, of betrayal.

At times joyful, at times pensive, she contemplates the past without regret, and looks to the future without fear, but with firm resolve. Once the 'thinking man's crumpet', Joan remains outspoken and outrageous.

Producer: David Roper  
 Author/Reader: Joan Bakewell  
 Abridgers: David Roper and Joan Bakewell  
 A Heavy Entertainment production for BBC Radio 4.

**WED 10:00 Woman's Hour (b06z2tj1)**  
 Child refugees, Sam Baker. Preparing for disasters

The experiences of unaccompanied child refugees - we speak to a child asylum seeker and his foster mother. Kirsty McNeill of Save the Children talks to Jane about the growing problem of unaccompanied child migrants.

Sam Baker on her new novel 'The Woman Who Ran'.

Listeners' experiences of keeping a sex life going in a long term relationship.

Dr Sarita Robinson has been studying the psychology of survival for 15 years - she is also a 'prepper' who plans actively for how she and her family would cope in the event of disaster.

Presenter: Jane Garvey  
 Producer: Eleanor Garland.

**WED 10:41 John Galsworthy - The Forsyte Saga (b06z2tj3)**  
 The Forsytes

Episode 4

John Galsworthy's epic novels of sex, money and power in an upper class family.  
 Dramatised for radio by Shaun McKenna

Past scandals come back to haunt the present. It's been 12 years since the breakdown of his marriage and Soames Forsyte wants a son.

Original music composed by Neil Brand

Produced and directed by Gemma Jenkins

Over the next 2 years, BBC Radio 4 is broadcasting a new dramatisation of all 9 books in John Galsworthy's The Forsyte Saga. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

Today's play marks the start of the second novel, "In Chancery".

The story continues every day this week in the 15 Minute Drama slot and concludes in the Saturday Drama at 1430.

Award-winning writers Shaun McKenna and Lin Coghlan are dramatising the complete novels and Interludes and have taken a new approach to the books - delving deeper behind the Edwardian façade to bring more of Galsworthy's wonderful insight, wit and observation from the page. Although focussed on the period in which they were written - in the first 20 years of the 20th century - the novels feel remarkably contemporary and have much to reveal of our own world and inner lives.

Jessica Raine (Call the Midwife, Jericho) takes a central role as narrator, with Juliet Aubrey playing Irene and Joseph Millson, Soames. Later in the series they are joined by Jonathan Bailey, Max Bennett and Ben Lambert.

The Producers are Marion Nancarrow and Gemma Jenkins.

**WED 10:55 The Listening Project (b06z2tj5)**  
 Catherine and Nina - Anyone Who's Different Is a Target

Fi Glover with a mother hearing for the first time about the shame her daughter felt when diagnosed with Asperger's Syndrome, and how she now recognises strengths in the condition - 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](http://bbc.co.uk/listeningproject)

Producer: Marya Burgess.

**WED 11:00 Living with Water (b06z5py5)**  
 Amphibious houses? Water resilient houses? Stilted and raised houses? Architects have plenty of ideas for how, with smart engineering, we could build in watery areas in future. They also have a number of suggestions for home owners who endure the misery of flooding in their current homes.

Susan Marling meets the designer of the UK's first amphibious house and takes a trip to Holland, where half the land mass is below sea level, to hear how communities there live alongside vast amounts of water - and what Dutch architects have done to make this not only possible, but enjoyable.

We attend the 'flood fair' in Leeds and look in at the Building Research Establishment where building to mitigate flooding has become a high priority.

But are some of these new ideas being blocked by the conservatism of insurance and investment companies?

Producer: Paul Smith  
 A Just Radio production for BBC Radio 4.

**WED 11:30 Bad Salsa (b06z2tj7)**  
 Series 2

The Cycle of Life

Each of the women get to grips with their own particular cancer after-shocks. In this last episode each of them must face their fears.

A second series of the sitcom about three women who meet during cancer treatment and start going to salsa class together to maintain their friendship. As they adjust to life after cancer they realise that they've all changed.

The series is not about cancer, but about life after cancer, how you cope the changes in your outlook, your desires and your expectations. It's also about how other people cope with the change in you.

Written by Kay Stonham

Directed by Alison Vernon-Smith.

**WED 12:00 News Summary (b06z17h0)**  
 The latest national and international news from BBC Radio 4.

**WED 12:04 Home Front (b06l3l2t)**  
 3 February 1916 - Hilary Pearce

On this day, a wrecked zeppelin was spotted in the North Sea by a British trawler, and Hilary Pearce sets out to catch a very particular fish.

Written by Shaun McKenna  
 Directed by Jessica Dromgoole  
 Sound: Martha Littlehailes

**WED 12:15 You and Yours (b06z2tj9)**  
 Sugary food, Modern slavery in the UK, Dating apps

A factory owner who employed large numbers of Hungarians as a "slave workforce" in a bed-making firm which supplied John Lewis, Next and Dunelm Mill was recently found guilty of people trafficking. The case has highlighted the problem of modern slavery in the UK. New legislation is coming into force which aims to reduce cases of exploitation. We ask the UK's first independent anti-slavery commissioner, Kevin Hyland, if the Modern Slavery Act is tough enough to make a difference.

One fifth of four to five year olds and a third of ten to eleven year olds are overweight or obese. To tackle this David Cameron has promised a new childhood obesity strategy. Its publication has been delayed but is still expected later this year. We ask how the far the government might go to encourage, or even force food companies to reduce the amount of sugar in their products.

How desirable are you? It's emerged that the dating app Tinder scores its users according to how attractive they are and

matches people according to their score. The ratings are kept secret, but are based on how much interest a profile gets from other people using the app. Might the company one day let people know their rating, and what can you do if you feel you are being matched with people who are less attractive than you?

Producer: Jonathan Hallewell  
 Presenter: Winifred Robinson.

**WED 12:57 Weather (b06z17h2)**  
 The latest weather forecast.

**WED 13:00 World at One (b06z2tjc)**  
 How will David Cameron sell the EU deal to his own party? We talk to Conservative MPs.

How should political parties be funded? We hear accusations that the government is being partisan over its plans to tackle Labour's money from trade unions.

Lord Lucan is now officially dead. Will that put an end to the conspiracy theories about what happened to him?

**WED 13:45 From Savage to Self (b06zh55v)**  
 Anthropology Gets Practical

Farrah Jarral explores the impact of anthropologists, and their research, on policy.

She explores how a turn towards the very practical - from lobbying on the behalf of native peoples to research into infectious tropical diseases - proved one part of the solution to anthropology's existential crisis.

She speaks to some of those involved, including Marcus Colchester, founder of the Forest People's Programme and Melissa Parker, creator of the Ebola Response Anthropology Platform. And she discusses the benefits of an anthropological approach with the world's highest-profile anthropologist: Jim Kim, President of the World Bank.

Producer: Giles Edwards.

**WED 14:00 The Archers (b06z2pn4)**  
 [Repeat of broadcast at 19:00 on Tuesday]

**WED 14:15 Tumanbay (b06z2tjf)**  
 Series 1

Sword of Faith

The tenth and final episode of this epic saga of revenge, betrayal and deception, inspired by the Mamluk slave-dynasty. As the people of Tumanbay await news of the Sultan's (Raad Rawi) great victory, Gregor (Rufus Wright) the heartless player discovers he has a heart and that he has been played.

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. Gregor, Master of the Palace Guard, is charged by Sultan Al-Ghuri with the task of rooting out this insurgency and crushing it.

Cast:  
 Gregor.....Rufus Wright  
 Cadali.....Matthew Marsh  
 Wolf.....Alexander Siddig  
 Sarah.....Nina Yndis  
 Maya's Envoy.....Nadir Khan  
 Al-Ghuri.....Raad Rawi  
 Heaven.....Olivia Popica  
 Slave.....Akin Gazi  
 Madu.....Danny Ashok  
 Daniel.....Gareth Kennerley  
 Ibn.....Nabil Elouahabi  
 General Qulan.....Christopher Fulford  
 Hodah.....Nathalie Armin  
 Pasha.....Sky Yang  
 Manel.....Aiysha Hart  
 The Hafiz.....Antony Bunsee  
 Bello.....Albert Welling  
 Shamsi.....Laure Stockley  
 Don Diego.....John Sessions  
 Dona Ana.....Annabelle Dowler  
 Frog.....Deeivya Meir  
 Boy.....Darwin Brokenbro  
 Officer.....Akbar Kurtha

Music - Sacha Puttnam  
 Sound Design - Steve Bond, Jon Quin  
 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 (b06z2tjh)**

Money Box Live: Is UK's business tax regime fit for purpose?

Ruth Alexander and guests ask: is the UK's business tax regime fit for purpose?

The row is continuing after revelations that Google has agreed with HMRC to pay just £130m in back tax to UK PLC. MPs on the Commons Treasury Select took evidence on the subject of tax avoidance - which is legal - earlier this week to see if urgent reform is needed. We've heard in the news how big corporations move their HQ's and profits to countries with low business tax regimes. This means that individual nations collect less tax and have less to spend on essential services.

Should Corporation Tax in the UK - currently at 20% - be scrapped and replaced by a sales tax or a so-called unitary tax?

What are your views on the changes to Business Rates? By 2020 Local Authorities will have extra powers to levy and keep all receipts from this tax.

Join Ruth Alexander and expert guests. And send us your questions on the topic. Call 03 700 100 444 - lines are open from 1pm on Wednesday. Or e mail: moneybox@bbc.co.uk.

**WED 15:30 Inside Health (b06z2pnd)**

[Repeat of broadcast at 21:00 on Tuesday]

**WED 16:00 Thinking Allowed (b06z2v5l)**

Consumerism, Work-life balance

Consumerism: a history of our modern, material world and the endless quest for more 'things'. Laurie Taylor talks to Frank Trentmann, Professor of History at Birkbeck College, University of London and author of a study which examines how the purchase of goods became the defining feature of contemporary life. They're joined by Rachel Bowlby, Professor of Modern English Literature at University College London.

Also, the middle class bias in work/life balance research. Tracey Warren, Professor of Sociology at the University of Nottingham, suggests that working class experience of precarity complicates the debate.

Producer: Jayne Egerton.

**WED 16:30 The Media Show (b06z2v5p)**

James Murdoch, Guardian cost-cutting, The growth of new media in Africa

James Murdoch, son of Rupert, has returned to Sky as Chairman. It comes four years after he resigned from the position amid the phone hacking scandal, which led to the closure of the Murdoch-owned newspaper News of the World. Since last July, James Murdoch also served as chief executive of 21st Century Fox, Sky's biggest shareholder. Andrea Catherwood is joined by Sarah Ellison of Vanity Fair, who has closely followed the Murdoch media dynasty, and also Ashley Hamilton Claxton, from Royal London Asset Management, a shareholder in Sky, who calls the reappointment 'inappropriate.'

Guardian News & Media, the publisher of the Guardian, is to cut running costs by 20% - a little over £50m - in a bid to break even within three years and support future growth. In the words of its Chief executive David Pemsel: 'We need to be an agile, lean and responsive organisation.' Ian Burrell, Assistant Editor & Media Editor of The Independent newspaper joins Andrea to discuss whether the Guardian's model of free content online, amid a climate of reduced print advertising revenues & the rise of ad-blocking, is a sustainable one.

Africa's internet penetration will reach 50 percent by 2025 and there are expected to be 360 million smartphones, according to data from McKinsey Consultants. Today, journalist Ismail Einashe is discussing what impact new media in Africa is having on journalism, at a talk for the Reuters Institute for the Study of Journalism. He joins Andrea after the talk. Also joining her is author Anjan Sundaram, whose new book "Bad News" examines press freedom in Rwanda. Together they discuss whether the growth of new media in Africa is a way to improve democracy, or whether it's a mechanism for greater state control?

Producer: Katy Takatsuki.

**WED 17:00 PM (b06z2v5r)**

Eddie Mair with interviews, context and analysis.

**WED 18:00 Six O'Clock News (b06z17h6)**

David Cameron has defended his proposed deal on the UK's

membership of the EU

Cameron defends proposed EU deal in face of backbench criticism

**WED 18:30 Tim FitzHigham: The Gambler (b05pnw2q)**

Series 2

Episode 2

Adventuring comedian Tim FitzHigham recreates a 19th-century bet.

Can his pig (Gwladys) cross a bridge quicker than a waterman can row the width of the river beneath?

Producer: Joe Nunnery.

First broadcast on BBC Radio 4 in 2015.

**WED 19:00 The Archers (b06z2v5w)**

Josh wants to collaborate with the Fairbrothers and their pastured egg business, and lays down his terms - talking percentages. Toby's delighted that Tom is interested for his own scotch eggs.

Rob wants Helen to rest before her scan today. He also suggests that they do their work shifts together so that they also have their days off together. Helen apologises for her odd behaviour yesterday - a moment of madness. Rob organises a taxi for Helen, taking charge of her movements. Helen secretly arranges to meet Kirsty this afternoon in Borchester. There, Helen shows off some clothes she has bought - very cheap, including a mauve dress - Helen points out that Rob likes her in mauve. Helen apologises for not turning up yesterday, explaining it away that she wasn't up to it. But Helen's big apology is about not telling Kirsty about Tom before he jilted her on their wedding day. She explains she was trying to protect Kirsty, who says there's no need for apology - she understands. Helen becomes upset, feeling that she has driven everyone away except for Rob. Kirsty can tell something's wrong and probes Helen - does Rob know she's here today? Helen lies and rushes off, leaving her cake.

Back home, Rob admits he was worried - he had called the house phone to see if Helen was home. She tells him that she didn't get a taxi home and went shopping. Rob approves of the cheaper, unflattering clothes she has bought - less tarty, and she's no Kim Kardashian after all. No, I'm not, says Helen quietly.

**WED 19:15 Front Row (b06z2v5z)**

Bryan Cranston, David Hare, Nikolai Astrup, States of Mind

Bryan Cranston, best known for his role as a drugs baron in hit TV series Breaking Bad, discusses his new role as the screenwriter Dalton Trumbo, who was imprisoned and blacklisted for Communist beliefs, in new film Tumbo.

As Ibsen's The Master Builder opens at the Old Vic with Ralph Fiennes in the title role, David Hare discusses his approach to adapting the play with Fiennes in mind.

The Norwegian painter Nikolai Astrup was a contemporary of Edvard Munch, and his work in Norway is much celebrated but he is little known outside of the country. The Dulwich Picture Gallery hopes to change that with the first UK exhibition dedicated to his work. Jonathan Jones reviews.

Author Mark Haddon and curator Emily Sargent discuss States of Mind, an exhibition at the Wellcome Collection that explores the strange borderland between the conscious and the unconscious, and looks at how mental phenomena such as synaesthesia, sleepwalking, memory loss and anaesthesia have inspired art.

Presenter Kirsty Lang  
Producer Rebecca Armstrong.

**WED 19:45 John Galsworthy - The Forsyte Saga (b06z2tj3)**

[Repeat of broadcast at 10:41 today]

**WED 20:00 Splitting the Assets (b06z2v62)**

A glimpse behind closed doors of the Family Courts, where divorcing couples are forced to struggle without the help of lawyers through the complex and emotionally fraught court process of dividing their financial assets. Anita Anand is joined by a panel of experts to explore the issues.

The Family Court financial remedy hearings are a battlefield on which couples fight over the division of property, pension rights and other financial assets. Cases involving unrepresented 'litigants in person' can culminate in the divorcing couple having to cross examine each other under oath before a judge.

Legal aid cuts have resulted in growing numbers forced to go through these often baffling proceedings without lawyers. Former high court judge and Chairman of the Marriage Foundation Sir Paul Coleridge is highly critical of the system, both for the stress it inflicts upon litigants and the unrealistic workload it place on the judiciary.

McKenzie Friend Nicola Matheson-Durrant complains that the Family Courts system is too under-resourced to provide litigants in person with the advice and support they urgently need.

Though the head of the Family Division, Sir James Munby, has called for increased transparency in the Family Courts, financial remedy cases continue to go almost entirely unreported by the media. Legal academic Marc Mason says that the disappearance of lawyers in a growing number of cases has itself removed a layer of scrutiny.

Family law barrister Lucy Reed says it is important judges and lawyers are continually reminded of the emotional toll of the financial settlement process so that they don't become desensitised to litigants' stress.

Producers: Josie LeGrice and Matt Willis  
An Above The Title production for BBC Radio 4.

**WED 21:00 Science Stories (b06z2x0j)**

Series 2

Einstein's Fridge

What do you do when you've described the nature of the universe?

In the late 1920s Einstein was working on a grand unified theory of the universe, having given us E=mc<sup>2</sup>, space-time and the fourth dimension. He was also working on a fridge.

Perhaps motivated by a story in the Berlin newspapers about a family who died when toxic fumes leaked from their state-of-the-art refrigerator, Einstein teamed up with another physicist Leo Szilard and designed a new, safer refrigerating technology. And so it was that in 1930, the man who had once famously worked in the patent office in Bern was granted a patent of his own. Number: 1, 781, 541. Title: refrigeration.

Phillip Ball explores this little known period of Einstein's life to try and find out why he turned his extraordinary mind to making fridges safer.

Despite considerable commercial interest in the patent, Einstein's fridge didn't get built in his lifetime. The Great Depression forced AEG and others to close down their refrigeration research. But in 2008 a team of British scientists decided to give it a go. Their verdict : Einstein's fridge doesn't work.

Producer: Anna Buckley

**WED 21:30 Midweek (b06z2qv1)**

[Repeat of broadcast at 09:00 today]

**WED 22:00 The World Tonight (b06z2x0l)**

Islamic State Group in Libya

Gatehouse in Misrata; UK Cabinet to keep counsel till EU deal done; Syria talks suspended

(Picture shows members of forces loyal to Libya's Islamist-backed parliament General National Congress (GNC) preparing to launch attacks as they continue to fight Islamic State group jihadists on the outskirts of Libya's western city of Sirte. Credit: AFP PHOTO / MAHMUD TURKIA).

**WED 22:45 Book at Bedtime (b06z9bg8)**

Orlando

A Lamponing

In Virginia Woolf's spirited novel Orlando aspires to the life of a poet and is compelled to extend an invitation to an admired writer. Read by Amanda Hale.

Abridged by Richard Hamilton  
Produced by Elizabeth Allard.

**WED 23:00 The Future of Radio (b06z2x0n)**

Series 2

Mashup Heaven

These programmes reveal the secret work of the Institute of Radiophonic Evolution in South Mimms - drawing on conference calls, voice notes and life-logs, to tell a compelling

and strange story of the technological lengths to which the researchers will go to push forward the boundaries of the emerging digital technologies.

Each week a jiffy bag of sound files arrives at BBC Radio 4. We listen to the contents to discover what backroom boffins Luke Mourme and Professor Trish Baldock (ably assisted by Shelley – on work experience) have been up to.

In this episode, they help audio graffiti artist Skanksy to mashup BBC Radio 4 – and try to unmask his secret identity at the same time.

Luke.....William Beck  
Trish.....Emma Kilbey  
Shelley.....Lizzy Watts  
Felix.....David Brett  
Prunella.....Sarah Badel  
Pontius.....Chris Stanton

Written by Jerome Vincent & Stephen Dinsdale

Producer David Blount  
A Pier production for BBC Radio 4 first broadcast in February 2016.

**WED 23:15 Nurse (b03wq2j7)**

Series 1

Episode 3

A brand new series starring Paul Whitehouse and Esther Coles, with Rosie Cavaliero, Simon Day, Cecilia Noble and Marcia Warren.

The series follows Elizabeth, a Community Psychiatric Nurse in her forties, into the homes of her patients (or Service Users in today's jargon). It recounts their humorous, sad and often bewildering daily interactions with the nurse, whose job is to assess their progress, dispense their medication and offer comfort and support.

Compassionate and caring, Elizabeth is aware that she cannot cure her patients, only help them manage their various conditions. She visits the following characters throughout the series:

Lorrie and Maurice: Lorrie, in her fifties, is of Caribbean descent and has schizophrenia. Lorrie's life is made tolerable by her unshakeable faith in Jesus, and Maurice, who has a crush on her and wants to do all he can to help. So much so that he ends up getting on everyone's nerves.

Billy: Billy feels safer in jail than outside, a state of affairs the nurse is trying to rectify. She is hampered by the ubiquitous presence of Billy's mate, Tony.

Graham: in his forties, is morbidly obese due to an eating disorder. Matters aren't helped by his mum 'treating' him to sugary and fatty snacks at all times.

Ray: is bipolar and a rock and roll survivor from the Sixties. It is not clear how much of his 'fame' is simply a product of his imagination.

Phyllis: in her seventies, has Alzheimer's. She is sweet, charming and exasperating. Her son Gary does his best but if he has to hear 'I danced for the Queen Mum once' one more time he will explode.

Herbert is an old school gentleman in his late Seventies. Herbert corresponds with many great literary figures unconcerned that they are, for the most part, dead.

Nurse is written by Paul Whitehouse and David Cummings, who have collaborated many times in the past, including on The Fast Show, Down the Line and Happiness.

Written by Paul Whitehouse and David Cummings with additional material from Esther Coles  
Producers: Paul Whitehouse and Tilusha Ghelani  
A Down the Line production for BBC Radio 4.

**WED 23:30 Today in Parliament (b06z2x0q)**

Sean Curran reports from Westminster as David Cameron is questioned by MPs on his EU deal. Jeremy Corbyn asks about cancer treatment at Prime Minister's Question Time and Labour renews its attack over Google's tax payment. Also in the programme: MPs hear about the experiences of looked-after children. Editor: Rachel Byrne.

**THURSDAY 04 FEBRUARY 2016**

**THU 00:00 Midnight News (b06z17jc)**

The latest national and international news from BBC Radio 4.

Followed by Weather.

**THU 00:30 Book of the Week (b06zhhs)**  
[Repeat of broadcast at 09:45 on Wednesday]

**THU 00:48 Shipping Forecast (b06z17jk)**  
The latest shipping forecast.

**THU 01:00 Selection of BBC World Service Programmes (b06z17jn)**  
BBC Radio 4 joins the BBC World Service.

**THU 05:20 Shipping Forecast (b06z17js)**  
The latest shipping forecast.

**THU 05:30 News Briefing (b06z17jv)**  
The latest news from BBC Radio 4.

**THU 05:43 Prayer for the Day (b06zhwb)**  
A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**THU 05:45 Farming Today (b06z4w6y)**  
Farm Payments, Homeopathy for Livestock, Food Waste for Pigs

Farming Today has the latest in the long running saga of this year's delayed subsidy payments to farmers. Last week the Rural Payments Agency which runs the system in England and Wales said 'the vast majority' had been paid, though that simply raised questions about the definition of 'vast majority'. Mark Grimshaw, Chief Executive of the RPA explains where things stand, while some farmers say they're still waiting for their money.

Research published today reveals that 1 in 4 people in the UK are discarding food that is safe to eat. Multiply that up across the EU, where around 100 million tonnes of food are wasted annually, but over the next 15 years Brussels is seeking to halve that figure. The European Commission has recently announced that food that's safe but can't go into the human food chain should be exempt from the Waste Directive, with all its strict controls, and go into animal feed. Sarah Falkingham reports from an East Yorkshire company that turns powdered milk and other dry matter into high value calf and piglet food.

Homeopathy for livestock: two Wiltshire-based organic farmers explain that in their experience homeopathy's holistic approach leads to all round healthier herds. John Newman, Farm Manager at Abbey Home Farm near Cirencester, is joined by Christine Gosling.

Presented by Charlotte Smith and produced by Mark Smalley.

**THU 05:58 Tweet of the Day (b04102k)**  
Black-nest Swiftlet

Michael Palin presents the black-nest swiftlet deep inside an Indonesian cavern. The Black-nest swiftlet landing on the cave wall, begins work on one of the most expensive and sought-after items connected with any bird; its nest.

The swiftlet's tiny bowl-shaped nest is highly-prized as the main ingredient for bird's nest soup and is built by the male from strands of his saliva which harden into a clear substance which also anchors the nest to the vertiginous walls. Black-nest swiftlets are so-called because they add dark-coloured feathers to their saliva which are then incorporated into their nests.

The nests fuel expensive appetites. A kilo of nests can fetch 2500 US dollars and worldwide the industry is worth some 5 billion US dollars a year. Today in many places in South-east Asia artificial concrete "apartment blocks" act as surrogate homes for the Black-nest swiftlets. The birds are lured in by recordings of their calls, and once they've begun nesting, the buildings are guarded as if they contained gold bullion.

**THU 06:00 Today (b06z4w7e)**  
Morning news and current affairs. Includes Sports Desk, Yesterday in Parliament, Weather and Thought for the Day.

**THU 09:00 In Our Time (b06z4w7p)**  
Chromatography

Melvyn Bragg and guests discuss the origins, development and uses of chromatography. In its basic form, it is familiar to generations of schoolchildren who put a spot of ink at the bottom of a strip of paper, dip it in water and then watch the

pigments spread upwards, revealing their separate colours. Chemists in the 19th Century started to find new ways to separate mixtures and their work was taken further by Mikhail Tsvet, a Russian-Italian scientist who is often credited with inventing chromatography in 1900. The technique has become so widely used, it is now an integral part of testing the quality of air and water, the levels of drugs in athletes, in forensics and in the preparation of pharmaceuticals.

With

Andrea Sella  
Professor of Chemistry at University College London

Apryll Stalcup  
Professor of Chemical Sciences at Dublin City University

And

Leon Barron  
Senior Lecturer in Forensic Science at King's College London.

**THU 09:45 Book of the Week (b06zhx7)**  
Stop the Clocks

Episode 4

Since she reached the age of 80, Dame Joan Bakewell has been working harder than ever - campaigning, writing and sitting in the Lords. Now the former journalist takes a moment to reflect on the passage of time, and the changes she has witnessed in her lifetime. Her theme is 'thoughts on what I leave behind'.

Stop the Clocks is a book of musings, a look back at what Joan Bakewell was given by her family, at the times in which she grew up - ranging from the minutiae of life, such as the knowledge of how to darn and how to make a bed properly with hospital corners, to the bigger lessons of politics, of lovers, of betrayal.

At times joyful, at times pensive, she contemplates the past without regret, and looks to the future without fear, but with firm resolve. Once the 'thinking man's crumpet', Joan remains outspoken and outrageous.

Producer: David Roper  
Author/Reader: Joan Bakewell  
Abridgers: David Roper and Joan Bakewell  
A Heavy Entertainment production for BBC Radio 4.

**THU 10:00 Woman's Hour (b06z4w7r)**  
Helen Mirren; Dr Sarah Jarvis gives a Zika update

Presenter: Jenni Murray  
Producer: Kirsty Starkey

Dr Sarah Jarvis gives an update about the Zika virus after two confirmed cases in the Republic of Ireland.

Helen Mirren plays Hedda Hopper, a 1940s Hollywood icon and notorious gossip columnist, in a new film, 'Trumbo'. Dame Helen speaks to Jane Garvey about playing a poisonous Hollywood diva, who devoted her life to destroying communists in the blacklist era and was known for her love of flamboyant hats.

Robert Schumann's last orchestral composition has a remarkable story, unheard of for 80 years after the composers' death. Conductor and violinist, Marin Alsop and journalist, Jessica Duchon discuss the two women who shaped the concerto's history - Schumann's wife Clara and violinist Jelly d'Arányi.

Two novels that centre on divorce have recently been published. What can we learn from these stories about the experience of divorce and how to get through it successfully? We discuss mediation, custody and communication with authors Julia Forster and Mary Banham-Hall.

The 19th century scientist and women's rights activist, Mary Somerville, is one of three Scottish figures being considered to appear on the Royal Bank of Scotland's new ten pound note. Somerville College - one of Oxford's first women's colleges - was named after her. The College's Principal, Dr Alice Prochaska, explains more about the woman who was the first person to be described as a 'scientist'.

**THU 10:45 John Galsworthy - The Forsyte Saga (b06z4w7z)**  
The Forsytes

Episode 5

John Galsworthy's epic novels of sex, money and power in an upper class family.  
Dramatised for radio by Shaun McKenna

With divorce on his mind, Soames Forsyte prepares to meet his estranged wife Irene for the first time in 12 years.

Original music composed by Neil Brand

Produced and directed by Gemma Jenkins

Over the next 2 years, BBC Radio 4 is broadcasting a new dramatisation of all 9 books in John Galsworthy's *The Forsyte Saga*. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

Today's play is from the second novel, "In Chancery".

The story continues every day this week in the 15 Minute Drama slot and concludes in the Saturday Drama at 1430.

Award-winning writers Shaun McKenna and Lin Coghlan are dramatising the complete novels and Interludes and have taken a new approach to the books - delving deeper behind the Edwardian façade to bring more of Galsworthy's wonderful insight, wit and observation from the page. Although focussed on the period in which they were written - in the first 20 years of the 20th century - the novels feel remarkably contemporary and have much to reveal of our own world and inner lives.

Jessica Raine (Call the Midwife, Jericho) takes a central role as narrator, with Juliet Aubrey playing Irene and Joseph Millson, Soames. Later in the series they are joined by Jonathan Bailey, Max Bennett and Ben Lambert.

The Producers are Marion Nancarrow and Gemma Jenkins.

**THU 11:00 From Our Own Correspondent (b06z17k9)**  
Nervous Sweden

In this edition: how Russian military activity above and below the surface of the Baltic Sea is causing increasing concern in Sweden; Ethiopia's suffering its worst drought in years - but with a buoyant economy why does it need international aid to help it cope? We find out why Finns appear to have fallen out of love with the migrants and why the migrants no longer seem fond of Finland; Belarus might have a reputation as Europe's last dictatorship but a visit to its capital Minsk reveals a positively gleaming city - a cathedral with standing room only and an opera house thronged with the well-heeled and the expensively turned-out. Mali's best-loved export, music, has struggled to make its voice heard during recent years of instability in the country. But a festival's just been staged in the capital, Bamako. Its aim, to show the world there's more to Mali than disorder and violence.

**THU 11:30 Invisible Belfast (b06z4w86)**

We all like to get lost in a book - but when Danielle, an American visitor to Belfast, stumbles upon a mysterious handwritten note in a 2nd hand copy of Ciaran Carson's novel *The Star Factory* - she finds herself on a labyrinthine journey through his prose and through the hidden side-roads and alleyways of the city.

As she searches for the elusive Irish author and poet, it soon becomes clear that there's much more to Belfast than meets the eye. This is a city that regenerates itself through layers of history and memory where the main protagonists are want to disappear at any time.

Between the adjuncts and intervening avenues of Belfast and Carson's narrative, Danielle realises she can't read the city like a book as it will always exceed the confines of the pages...

Producer: Conor Garrett.

**THU 12:00 News Summary (b06z17kh)**

The latest national and international news from BBC Radio 4.

**THU 12:04 Home Front (b06l315x)**

4 February 1916 - Olive Hargreaves

On this day, Harrods Stores was fined £5 for selling morphine without keeping a register, and Sister Hargreaves has a particularly bad day.

Written by Shaun McKenna  
Directed by Jessica Dromgoole  
Sound: Martha Littlehailes

**THU 12:15 You and Yours (b06z4w8c)**

Flood insurance, Age UK energy deals, DIY revival

People living in houses that are at high risk of flooding are finding it more difficult to find firms who'll insure them. You & Yours has spoken to two brokers who say they are struggling to find cover for customers.

The Energy Regulator, Ofgem, says it will investigate claims about the relationship between the charity Age UK, and the energy company EON. A major newspaper claims the charity has been selling costly electricity and gas deals to older people and are getting millions of pounds in return from EON. Two listeners talk about their experiences with the company.

Plus are the days of DIY back? Lloyds Banks says its customers are spending more on DIY. While the owners of Homebase and B&Q say they expect to attract more customers this year.

Presented by Winifred Robinson  
Produced by Natalie Donovan.

**THU 12:57 Weather (b06z17km)**

The latest weather forecast.

**THU 13:00 World at One (b06z4w8r)**

Seventy countries are gathering in London to discuss giving more money for people whose lives have been destroyed by the conflict in Syria. The Foreign Secretary tells us that Russia needs to support the peace process not torpedo it.

We also discuss whether the Prime Minister has negotiated a good deal on the EU.

And another whale has washed up on the North Sea coast in Norfolk. We'll try to find out what's causing these beachings.

**THU 13:45 From Savage to Self (b06zh6n8)**

We Are All Anthropologists Now

Farrah Jarral shows how anthropology has seeped out of academia to infiltrate everyday life.

Farrah discovers how anthropologists helped direct early research into office automation. She speaks to an anthropologist working with drivers in Birmingham to understand how they use their time in the car, and gets dating advice from Helen Fisher, an anthropologist who has worked for a decade as Chief Scientific Adviser to match.com. And she reveals which British TV show she considers a "modern ethnographic masterpiece".

Producer: Giles Edwards.

**THU 14:00 The Archers (b06z2v5w)**

[Repeat of broadcast at 19:00 on Wednesday]

**THU 14:15 Drama (b06z4w9c)**

The Ferryhill Philosophers

Filial Duties and Special Goods

Joe's aged mother's a strong character - but now frail, going blind, and incapable of looking after herself properly. The solution is for her to leave her home of 50 years and move into care, but in truth she wants to die now, with dignity - and she wants Joe to help her do this.

Joe is wracked by indecision. What's more important - Bella's security and happiness, or doing what is the morally right thing? Meanwhile Hermione faces a challenge in the care of her elderly demanding Dad.

The Ferryhill Philosophers is about how we live our lives. A rather unlikely duo, Joe Snowball and the Hon. Hermione Pink inhabit two very different worlds, albeit only seven miles apart. He's an unemployed ex-miner living in Ferryhill, a small town forgotten by the world, and she's a slightly disenchanted philosophy lecturer at Durham University. Between them they wrestle with the collision between moral philosophy and the vexing dilemmas encountered by the not-always-good people of Ferryhill, deprived of jobs, opportunities and the kind of ethical guidance once offered by the Church and the Miners Unions.

The series stars Alun Armstrong (of TV's popular series *New Tricks*) and Deborah Findlay, currently starring in Caryl Churchill's new play at The Royal Court. Award winning writer Michael Chaplin works in consultation with philosopher and presenter of R4's *The Philosopher's Arms*, David Edmonds.

Cast:  
Joe Snowball.....Alun Armstrong  
Hermione Pink.....Deborah Findlay  
George .....Geoffrey Palmer  
Bella .....Anne Reid  
Dr. Dainty.....Jonathan Keeble  
Mrs Cornish.....Tracy Gillman

Written by Michael Chaplin  
Directed by Marilyn Imrie

A Catherine Bailey production for BBC Radio 4

**THU 15:00 Open Country (b06z4w9p)**

Snowsports at Glenshee, Cairngorms

Helen Mark is on the slopes of Glenshee, the largest ski area in Scotland, as it opens for the first weekend of snowsports this winter season.

The past few years have seen brilliant snow conditions throughout the Cairngorms and there has been a real resurgence in skiing in Scotland. This follows a time when the future of the Scottish skiing industry looked bleak after long period of milder winters and poor snow conditions through the 1990s, which led to the Glenshee resort facing closure in 2003. Helen Mark visits on one of the busiest weekends of the season to find a mixture of locals and enthusiasts from farther afield flocking to Glenshee's 40kms of pistes for skiing and snowboarding, as well as ski-touring in the extensive backcountry beyond the ski lifts.

She's come to meet the dedicated people who live and work at Glenshee who keep the slopes running for the many day visitors. Helen will also meet the snow addicts who come to Glenshee in campervans for snowsports most weekends through the winter, and follow the best snow conditions around the Cairngorms.

Presenter: Helen Mark  
Producer: Sophie Anton.

**THU 15:27 Radio 4 Appeal (b06z1zdm)**

[Repeat of broadcast at 07:54 on Sunday]

**THU 15:30 Open Book (b06z1z6f)**

[Repeat of broadcast at 16:00 on Sunday]

**THU 16:00 The Film Programme (b06z4yn9)**

Toby Jones on Dad's Army

With Francine Stock.

Toby Jones reveals why he was in two minds about playing Captain Mainwaring in the new film version of *Dad's Army*.

Director Grímur Hákonarson tells Francine why casting the sheep was as important as casting the actors in his Icelandic drama *Rams*

Adam Rutherford assesses Matt Damon's portrayal of a botanist in *The Martian*.

**THU 16:30 BBC Inside Science (b06z4ync)**

UK pollinators' food, Brain implant, Holograms, Lunar 9

Some much-needed good news for our troubled bees and other pollinators: between 1998 and 2007, the amount of nectar produced from Britain's flowering plants rose by 25%. A new study suggests this may be due to reductions in atmospheric pollution. But researchers looked at records spanning over 80 years, and also found that the UK flowers which provide nectar suffered substantial losses during the 20th century. Considering the services that nectar-feeding pollinators perform for agriculture and our ecosystems, this is something worth knowing. Professor Jane Memmott, ecologist at the University of Bristol, explains how bad things really are for Britain's pollinators and what lessons conservation could learn from her team's latest findings about nectar.

In 2014, neuroscientist Dr Phil Kennedy flew to Belize and paid a surgeon to insert electrodes into his otherwise healthy brain, in order to experiment on himself. His aim was to unpick the electrical signals given from his brain during speech. BBC science reporter Jonathan Webb went to his lab in Georgia, US to meet the maverick. Jonathan and Tracey discuss the motivation, scientific outcome and ethics behind Dr Kennedy's highly unusual experiment.

The aim of hologram technology, according to Birmingham University researchers, is to make it cheaper, faster and better. Holographic tattoos are a solution they are developing. Currently, holograms are made with lasers and mirrors. Roland Pease went to visit researchers Dr Haider Butt, Bader Al Qattan and Rajib Ahmed in order to make his very own hologram.

On 4th February 50 years ago, the Soviet lander Lunar 9 sent a signal back from the moon. Scientists at Jodrell Bank intercepted this and realised that it sounded like a picture image. Professor of Astrophysics at Manchester University Tim O'Brien explains how, with the help of a fax machine borrowed from the Daily Express, British scientists scooped the first pictures of the moon's surface.

**THU 17:00 PM (b06z4ynf)**

Eddie Mair with interviews, context and analysis.

**THU 18:00 Six O'Clock News (b06z1711)**

Turkey faces being overwhelmed by Syrian refugees. No 10 dismisses UN Assange ruling.

**THU 18:30 John Finnemore's Souvenir Programme (b06z5240)**

Series 5

Episode 5

John Finnemore's fifth series of his multi-award-winning sketch show, joined as ever by Margaret Cabourn-Smith, Simon Kane, Lawry Lewin and Carrie Quinlan.

This week finds John making a heartfelt serving suggestion and Lawry trying to keep himself busy. And, well, since you ask him for a curious tale of murder...

John is the writer and star of Cabin Pressure and John Finnemore's Double Acts, regular guest on The Now Show and The Unbelievable Truth.

"One of the most consistently funny sketch shows for quite some time" - The Guardian  
 "The best sketch show in years, on television or radio" - The Radio Times  
 "The inventive sketch show ... continues to deliver the goods" - The Daily Mail  
 "Superior comedy" - The Observer

Written by and starring ... John Finnemore

Original music composed by ... Susannah Pearce  
 Original music performed by ... Jason Hazeley

Producer: Ed Morrish

A BBC Radio Comedy production first broadcast on BBC Radio 4 in February 2016.

**THU 19:00 The Archers (b06z5245)**

Brian promises not to be angry as Kate admits the problems with her business - she is behind with her plans to open properly and the expensive items she needs have broken the bank. Brian loses his cool as he realises she's tapping him for money. He complains to Jennifer - with the important BL Board meeting Brian has enough on his plate.

At the meeting, Justin points out to Brian that absent Annabelle has had to miss quite a few meetings due to other work commitments. He needs a more reliable Chair. Brian's re-election to the Board goes through before Adam successfully pitches for the Estate contract, winning over the sceptical Andrew Eagleton.

Justin celebrates with Jennifer and Brian and drinks to a 'profitable partnership'. Lillian happily joins them. With Justin renting the Dower House, Justin points out that it would be foolish for Lillian to occupy one of her other properties and prevent it making money - so she's staying at Home Farm. What a lovely surprise for Brian.

**THU 19:15 Front Row (b06z56m5)**

Peter Brook, Howard Jacobson, Angel Costumiers and Hamlet in the Jungle

Arts news, interviews and reviews.

**THU 19:45 John Galsworthy - The Forsyte Saga (b06z4w7z)**

[Repeat of broadcast at 10:45 today]

**THU 20:00 The Report (b06z56m7)**

Lord Bramall: A Failure to Investigate?

Lord Bramall, a former head of the British army, has now been told he will face no further action by the Metropolitan Police following thirteen months of investigation into allegations of paedophilia. The Met has so far refused to apologise for the way its inquiry, "Operation Midland", was handled.

In his first broadcast interview, Lord Bramall speaks to BBC journalist Alistair Jackson.

The programme also hears from Met insiders and other key witnesses. Their accounts raise serious questions about how the investigation was run and why the allegations against Lord Bramall were not dismissed earlier.

Reporter: Alistair Jackson  
 Producer: Anna Meisel  
 Researcher: Kirsteen Knight.

**THU 20:30 The Bottom Line (b06z56m9)**

Renewable Energy

After the Paris summit on climate change and the global commitment to cut carbon emissions, The Bottom Line is going green - with businesses that generate energy from the sun, the wind - and from cheese. And, whilst the government is committed to getting more of its energy from renewables, Evan Davis and guests discuss why green firms are seeing red over cuts to subsidies they say are vital to update ageing infrastructure.

Guests:

Juliet Davenport, CEO, Good Energy

Jeremy Leggett, Founder, Solarcentury

Paul Cowling, MD, RWE Innogy UK

Producer: Sally Abrahams.

**THU 21:00 BBC Inside Science (b06z4ync)**

[Repeat of broadcast at 16:30 today]

**THU 21:30 In Our Time (b06z4w7p)**

[Repeat of broadcast at 09:00 today]

**THU 22:00 The World Tonight (b06z56mc)**

London Syria summit warned of fresh refugee exodus

World leaders meeting in London have pledged more than £7bn to help millions of Syrians, displaced by conflict. But Turkey has warned that thousands more Syrian refugees are heading for its border as they try to escape bombardment near the city of Aleppo. We speak to former foreign secretary David Miliband.

**THU 22:45 Book at Bedtime (b06z9kdv)**

Orlando

An Admirer

In Virginia Woolf's celebrated novel Orlando turns his mind to his noble ancestry and an archduchess demands his attention. Read by Amanda Hale.

**THU 23:00 Talking to Strangers (b06z5d2v)**

Episode 1

Comic monologues in which a range of characters find themselves engaging in that most un-British of activities: talking to a stranger.

Each piece is a character study: funny, frank, absurd, moving... Characters include a sex councillor who loves to draw, a spy who loves to share, a woman who likes to help too much ('I'm a serial helpist...'), a frustrated falconer, and a cheater who has to call her cheat the morning after. And in this show, the listener themselves 'plays' the silent stranger in the piece...

Written and performed by Sally Phillips and Lily Bevan.

With guest stars including Emma Thompson, Olivia Colman, Jessica Hynes, Steve Evets, Sinead Matthews and Joel Fry.

Producer: Sam Bryant

A BBC Comedy Production first broadcast on BBC Radio 4 in February 2016.

**THU 23:30 Today in Parliament (b06z5d64)**

Is Parliament about to suffer a serious loss of power to Europe? The Commons has been discussing whether British sovereignty is threatened -- Susan Hulme has the best of the debate. Also on the programme:

- \* The Government is accused by peers of dithering on the crucial decision of whether or not to expand Heathrow Airport.
- \* An MP apologises to the Commons for not making public the size of his earnings outside Parliament.
- \* MPs plead for a ban on a radical male, anti-feminist group.
- \* Can more be done to limit the amount of food wasted each week?
- \* Mockery in the Commons for the number of groups campaigning for a British exit from the European Union.

**FRIDAY 05 FEBRUARY 2016****FRI 00:00 Midnight News (b06z17p1)**

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

**FRI 00:30 Book of the Week (b06zhhx7)**

[Repeat of broadcast at 09:45 on Thursday]

**FRI 00:48 Shipping Forecast (b06z17p3)**

The latest shipping forecast.

**FRI 01:00 Selection of BBC World Service Programmes (b06z17p5)**

BBC Radio 4 joins the BBC World Service.

**FRI 05:20 Shipping Forecast (b06z17p7)**

The latest shipping forecast.

**FRI 05:30 News Briefing (b06z17p9)**

The latest news from BBC Radio 4.

**FRI 05:43 Prayer for the Day (b06zhhhx)**

A spiritual comment and prayer to begin the day with Canon Edwin Counsell, Director of Education for the Church in Wales.

**FRI 05:45 Farming Today (b06z5g7d)**

Antibiotics in agriculture, Thirty years of Send a Cow, Waterproofing oil seed rape crops

The use of antibiotics in agriculture is fuelling drug resistance and must be cut back or even banned where they are important for humans. That was the finding of a report published in December. Just as rising levels of human use of antibiotics are leading to growing resistance, the same is happening in agriculture according to the O'Neil 'Review on Antimicrobial Resistance'. However, Dawn Howard, Chief Executive of NOAH, the National Office of Animal Health, which represents the UK animal medicine industry, explains why they believe the situation is not that black and white.

Thirty years ago a group of English dairy farmers had the idea of sending some of their cows to Northern Uganda to help farmers who were struggling from the effects of a long civil war and famine. Cows that in the UK were being slaughtered because of tight milk quotas, were literally put on planes and sent to Africa. The charity Send a Cow was born. Ali Vowles meets those involved then and now.

In the first trials of their kind a PhD student at Harper Adams University is trying to determine whether waterproofing oilseed rape crops can lead to greater yields. The idea is to limit the amount of water the plants release during transpiration by spraying them with a chemical derived from conifers. First results show increased yields of up to fifty per cent. The man behind it is Michele Faralli, An Italian, studying in the UK and currently carrying out more trials in Germany.

Presented by Charlotte Smith and produced by Mark Smalley.

**FRI 05:58 Tweet of the Day (b040v50)**

Scarlet Macaw

Michael Palin presents the scarlet macaw from Costa Rica. The Scarlet Macaw is a carnival of a bird, eye-catching, noisy and vibrant, with a colour-scheme verging on bad taste. Its brilliant red feathers clash magnificently with the bright yellow patches on its wings, and contrast with its brilliant blue back and very long red tail. It has a white face and a massive hooked bill and it produces ear-splitting squawks. Subtlety is not in its vocabulary.

Scarlet macaws breed in forests from Mexico south through Central America to Bolivia, Peru and Brazil. They use their formidable beaks not only to break into nuts and fruit, but also as pick-axes.

Colourful and charismatic birds usually attract attention and in some areas where the Scarlet Macaws have been collected for the bird trade, numbers have declined. In south-east Mexico where they are very rare, a reintroduction programme is underway to restore these gaudy giants to their ancestral forests.

Producer Andrew Dawes.

**FRI 06:00 Today (b06z9krr)**

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

**FRI 09:00 Desert Island Discs (b06z1zdt)**

[Repeat of broadcast at 11:15 on Sunday]

**FRI 09:45 Book of the Week (b06zhhj0)**

Stop the Clocks

Episode 5

Since she reached the age of 80, Dame Joan Bakewell has been working harder than ever - campaigning, writing and sitting in the Lords. Now the former journalist takes a moment to reflect

on the passage of time, and the changes she has witnessed in her lifetime. Her theme is 'thoughts on what I leave behind'.

Stop the Clocks is a book of musings, a look back at what Joan Bakewell was given by her family, at the times in which she grew up - ranging from the minutiae of life, such as the knowledge of how to darn and how to make a bed properly with hospital corners, to the bigger lessons of politics, of lovers, of betrayal.

At times joyful, at times pensive, she contemplates the past without regret, and looks to the future without fear, but with firm resolve. Once the 'thinking man's crumpet', Joan remains outspoken and outrageous.

Producer: David Roper  
Author/Reader: Joan Bakewell  
Abridgers: David Roper and Joan Bakewell  
A Heavy Entertainment production for BBC Radio 4.

**FRI 10:00 Woman's Hour (b06z9krt)**

Claire Skinner, Bonnie Raitt, First female head of CBI, Kirstie Allsopp

Actor Claire Skinner talks about her latest role as a mother trying to come to terms with the loss of her four year old son in the play Rabbit Hole, just opened at the Hampstead Theatre in North London.

Carolyn Fairbairn, first female Director General of the Confederation of British Industry (CBI), gives her views on female leadership roles. She took up the post in November and has called for a new voluntary target which would mean 25% of senior executives in big UK companies were women.

American blues singer Bonnie Raitt talks to Jenni about her recording career which started in the 1970s.

Television presenter Kirstie Allsopp and independent bookshop owner Cate Olson debate the merits of clutter and the pros and cons of living in a messy home.

Presenter: Jenni Murray.

**FRI 10:45 John Galsworthy - The Forsyte Saga (b06z5g7g)**

The Forsytes

Episode 6

John Galsworthy's epic novels of sex, money and power in an upper class family.  
Dramatised for radio by Shaun McKenna

Soames is determined to win back his estranged wife Irene. His relentless pursuit of her brings him into conflict with his cousin Jo, threatening a new family rift.

Original music composed by Neil Brand

Produced and directed by Gemma Jenkins

Over the next 2 years, BBC Radio 4 is broadcasting a new dramatisation of all 9 books in John Galsworthy's The Forsyte Saga. An epic tale of sex, money and power in the lives of an upper middle-class family in London, it spans 50 years from 1886 to 1936.

Today's play is from the second novel, "In Chancery".

The story continues every day this week in the 15 Minute Drama slot and concludes in the Saturday Drama at 1430.

Award-winning writers Shaun McKenna and Lin Coghlan are dramatising the complete novels and Interludes and have taken a new approach to the books - delving deeper behind the Edwardian façade to bring more of Galsworthy's wonderful insight, wit and observation from the page. Although focussed on the period in which they were written - in the first 20 years of the 20th century - the novels feel remarkably contemporary and have much to reveal of our own world and inner lives.

Jessica Raine (Call the Midwife, Jericho) takes a central role as narrator, with Juliet Aubrey playing Irene and Joseph Millson, Soames. Later in the series they are joined by Jonathan Bailey, Max Bennett and Ben Lambert.

The Producers are Marion Nancarrow and Gemma Jenkins.

**FRI 11:00 Mao's Little Red Book Goes West (b06z5g7j)**

To mark the 50th anniversary of the Cultural Revolution, David Aaronovitch tells the extraordinary story of how Chairman Mao's Little Red Book captured the imagination of the West.

A collection of Mao's quotations, packaged with a red vinyl cover, the book is an iconic piece of design and one of the world's most widely distributed texts. In Britain, it was a

massive hit. David hears from comedian and former Maoist Alexei Sayle who sold the book in Liverpool. Activist and former Labour councillor Linda Bellos admits that, while she carried the Little Red Book as a teenager, she didn't really read it and was more interested in being trendy.

The Little Red Book was hugely fashionable in late 1960s and 70s Europe. The French filmmaker Jean-Luc Godard popularised it with his 1967 film La Chinoise, in which five pretty students plot revolutionary actions from their Paris flat before taking part in a bungled assassination attempt.

Bestselling author of Wild Swans, Jung Chang, argues that Little Red Book wavers in the West were completely ignorant when it came to the realities of life during the Cultural Revolution. She explains that in China the book was a weapon in a literal sense, used to beat those who were deemed to be "class enemies".

Meanwhile, in America, the book found an unlikely audience among the Black Panther Party. Elaine Browne, a former Panther who lead the party in the early 70s, explains that the Panthers saw the Little Red Book as a blueprint for enacting the revolution they were hoping to bring about in the United States.

Presenter: David Aaronovitch  
Producer: Max O'Brien  
A Juniper production for BBC Radio 4.

**FRI 11:30 Agatha Christie - Ordeal by Innocence (b03yqn0n)**

Episode 2

Dr. Calgary joins forces with Inspector Huish to try to find out the truth about Rachel Argyle's murder. But the family is still resisting his investigation.

**FRI 12:00 News Summary (b06z17pc)**

The latest national and international news from BBC Radio 4.

**FRI 12:04 Home Front (b06l3l6l)**

5 February 1916 - Florrie Wilson

On this day, it was proposed that munitions workers be exempted from the conscription bill, and tiredness and grief give Florrie Wilson a very short fuse.

Written by Shaun McKenna  
Directed by Jessica Dromgoole  
Sound: Martha Littlehailes

**SECRET SHAKESPEARE**

A Shakespeare quote is hidden in each Home Front episode that is set in 1916. These were first broadcast in 2016, the 400th anniversary year of the playwright's death. Can you spot them all?

**FRI 12:15 You and Yours (b06z9krw)**

Litter fines, Care at home, Cancer drugs

The Government plans to clamp down on litter bugs in England with a doubling of on-the-spot fines to £150.  
The perfume that aims to preserve your favourite aromas.  
And, after our series of reports on the costs of care in your own home, we'll look at what lessons we can all learn from those we've heard from.

**FRI 12:57 Weather (b06z17pf)**

The latest weather forecast.

**FRI 13:00 World at One (b06z9kry)**

News presented by Mark Maddell including is Julian Assange unlawfully detained? death of PC David Rathband and European Parliament President on timing of the UK's emergency brake.

**FRI 13:45 From Savage to Self (b06zh7ch)**

Anthropology Faces the Future

Farrah Jarral concludes her series on anthropology by looking to the future, including the anthropology of outer space.

Farrah speaks to the thinker whose writing caused the biggest argument amongst her fellow anthropology students - Donna Haraway. She ponders the anthropology of artisanal cheesemakers, and their cheese, and learns what studying cheese has in common with studying outer space (it has nothing to do with the moon).

Producer: Giles Edwards.

**FRI 14:00 The Archers (b06z5245)**

[Repeat of broadcast at 19:00 on Thursday]

**FRI 14:15 Drama (b06z5jm7)**

The Ferryhill Philosophers

Lies, Damn Lies and Conversational Implicature.

Joe and Hermione see the wife of Joe's friend with another man. What should Joe do? Tell his friend or keep quiet? Should we always tell the truth, especially when it almost certainly will have bad consequences? A moral dilemma in which Hermione's philosophical expertise is pitted against Joe's kindly humanity and knowledge of life. And when the dilemma's resolved, their friendship is strengthened too.

The Ferryhill Philosophers is about how we live our lives. A rather unlikely duo, Joe Snowball and the Hon. Hermione Pink inhabit two very different worlds, albeit only seven miles apart. He's an unemployed ex-miner living in Ferryhill, a small town forgotten by the world, and she's a slightly disenchanted philosophy lecturer at Durham University. Between them they wrestle with the collision between moral philosophy and the vexing dilemmas encountered by the not-always-good people of Ferryhill, deprived of jobs, opportunities and the kind of ethical guidance once offered by the Church and the Miners Unions.

The series stars Alun Armstrong (of TV's popular series New Tricks) and Deborah Findlay, currently starring in Caryl Churchill's new play at The Royal Court. Award winning writer Michael Chaplin works in consultation with philosopher and presenter of R4's The Philosopher's Arms, David Edmonds.

Cast:

Joe Snowball.....Alun Armstrong  
Hermione Pink.....Deborah Findlay  
Polly.....Gina McKee  
Andy .....Christopher Connel  
Sadie.....Jackie Lye

Written by Michael Chaplin  
Directed by Marilyn Inrie

A Catherine Bailey production for BBC Radio 4

**FRI 15:00 Gardeners' Question Time (b06z5jmc)**

Boddington

Eric Robson hosts the horticultural panel programme from Boddington, Northamptonshire. Matthew Wilson, Chris Beardshaw and Anne Swithinbank answer this week's questions.

The panel offer tips on decorating the edge of a lawn, suggest the best plants for sound screening, and help audience members work out what has happened to their winter pansies and leeks.

Also, Chris Beardshaw gets a crash course in horticultural photography while Matthew Wilson follows up on a suggestion that you don't actually need a garden to garden - some pots will do.

Produced by Howard Shannon  
Assistant Producer: Hannah Newton

A Somethin' Else production for BBC Radio 4.

**FRI 15:45 Special Deliveries (b06z5jmf)**

Zarafa by Kate Woodward

The tale of Zarafa, a very unusual gift for King Charles X of France.

Adrian Lukis reads Kate Woodward's short story.

One of a special series about some rather Special Deliveries, commissioned to mark the anniversary of the Royal Mail in 2016, 500 years after Cardinal Wolsey appointed the first Master of the Posts in 1516.

Producer: Heather Larmour

First broadcast on BBC Radio 4 in January 2016.

**FRI 16:00 Last Word (b06z5jmh)**

Terry Wogan, Lord Lucan, Frank Finlay, Denise St Aubyn Hubbard, Maurice White

Matthew Bannister on

Sir Terry Wogan - we have a tale of two cities: memories from his home town of Limerick and accolades from his fantasy town of Leicester.

Lord Lucan, finally declared dead this week after disappearing in the 1970s. Mystery still surrounds his involvement in the



murder of his children's nanny.

The actor Frank Finlay, who often played darker characters. His Bouquet of Barbed Wire co-star Susan Penhaligon remembers him.

Denise St Aubyn Hubbard who represented Britain as a diver in the 1948 Olympics and sailed single handed across the Atlantic aged 64.

And Maurice White the singer and songwriter who founded Earth Wind and Fire.

**FRI 16:30 More or Less (b06zcg4v)**

E-cigarettes: Can They Help People Quit?

Do e-cigarettes make quitting smoking more difficult? Research last month claimed to show that e-cigarettes harm your chances of quitting smoking. The paper got coverage world-wide but it also came in for unusually fierce criticism from academics who spend their lives trying to help people quit. It's been described as 'grossly misleading' and 'not scientific'. We look at what is wrong with the paper and ask if it should have been published in the first place.

A campaign of dodgy statistics

Are American presidential hopefuls getting away with statistical murder? We speak to Angie Drobnic, Editor of the US fact-checking website Politifact, about the numbers politicians are using - which are not just misleading, but wrong.

Will missing a week of school affect your GCSE results?

Recently education minister Nick Gibb said that missing a week of school could affect a pupil's GCSE grades by a quarter. We examine the evidence and explore one of the first rules of More or Less - 'correlation is not causation'. We interview Stephen Gorard, Professor of Education at Durham University.

What are the chances that a father and two of his children share the same birthday?

A loyal listener got in touch to find out how rare an occurrence this is. Professor David Spiegelhalter from the University of Cambridge explains the probabilities involved.

**FRI 16:55 The Listening Project (b06z5jmk)**

Olly and Katy - A Love of Biking

Fi Glover introduces female friends who enjoy taking the open road at full throttle and delight in overturning stereotypical expectations regarding bikers and gender - 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](http://bbc.co.uk/listeningproject)

Producer: Marya Burgess.

**FRI 17:00 PM (b06zcg4x)**

Eddie Mair with interviews, context and analysis.

**FRI 18:00 Six O'Clock News (b06z17ph)**

Zimbabwe declares "state of disaster" in face of severe drought

**FRI 18:30 The News Quiz (b06z5jmm)**

Series 89

Episode 5

Series 89 of the satirical quiz. Miles Jupp is back in the chair, trying to keep order as an esteemed panel of guests take on the big (and not so big) news events of the week. This week Miles is joined by Susan Calman, Zoe Lyons, Andrew Maxwell and Michael Deacon.

Producer: Richard Morris  
A BBC Radio Comedy Production.

**FRI 19:00 The Archers (b06z5jmp)**

Is Helen overdoing things? Ruth has lots to share.

**FRI 19:15 Front Row (b06zhhj5)**

Jimi Hendrix's flat, Will Ferrell and Kristen Wiig, Nick Danziger

Jimi Hendrix's former girlfriend Kathy Etchingham shows John Wilson around the central London flat they shared in the late 1960s which is about to open permanently to the public.

Will Ferrell and Kristen Wiig discuss their new film Zoolander 2, directed by Ben Stiller.

Photographer Nick Danziger explains the background to Eleven Women Facing War, his new exhibition at the Imperial War Museum, for which he photographed 11 women in 2001 and 2011 who were all living in the world's major conflict zones, including Afghanistan, Bosnia, Gaza and Sierra Leone.

Presenter John Wilson  
Producer Jerome Weatherald.

**FRI 19:45 John Galsworthy - The Forsyte Saga (b06z5g7g)**

[Repeat of broadcast at 10:45 today]

**FRI 20:00 Any Questions? (b06z5jmr)**

Lord Campbell, Ruth Davidson, Kezia Dugdale, Patrick Harvie, Humza Yousaf

Jonathan Dimbleby presents political debate and discussion from Sherbrooke St Gilbert's Church in Pollokshields, Glasgow, with the former Leader of the Liberal Democrats Lord Campbell, the Leader of the Scottish Conservatives Ruth Davidson, the Leader of the Scottish Labour Party Kezia Dugdale, the leader of the Green Party in Scotland Patrick Harvie, and Humza Yousaf the Minister for Europe and International Development in the Scottish Government.

**FRI 20:50 A Point of View (b06z5jmt)**

Star Wars Obsession

Helen Macdonald has made her name writing about nature and birds of prey. So why has she become so fascinated with the recent Star Wars movie that she's been to see it six times? In her first "A Point of View" she tries to get to the bottom of her obsession and wonders whether it's all down to nostalgia or something else.

Producer: Richard Vadon.

**FRI 21:00 Home Front - Omnibus (b06l3lgl)**

1-5 February 1916

In the week when Britain suffered the worst zeppelin raid thus far in the war, all of Folkestone is jumpy.

Written by Shaun McKenna  
Directed by Jessica Dromgoole

Story-led by Shaun McKenna  
Sound: Martha Littlehailes  
Composer: Matthew Strachan  
Consultant Historian: Maggie Andrews.

**FRI 21:58 Weather (b06z17pm)**

The latest weather forecast.

**FRI 22:00 The World Tonight (b06z5jmw)**

Zimbabwe's government has declared a "state of disaster"

A severe drought is affecting about two and a half million people.

Police are investigating a shooting at a Dublin hotel in front of hundreds of boxing fans, which left a man dead.

The government has condemned the finding of a UN panel that the Wikileaks founder, Julian Assange, was detained arbitrarily in the UK.

**FRI 22:45 Book at Bedtime (b06zcmjq)**

Orlando

A Transformation

In Virginia Woolf's sumptuous novel her eponymous hero has been sent to opulent Constantinople by King Charles I to serve as Ambassador Extraordinary. Whilst there he undergoes a miraculous transformation. The reader is Amanda Hale.

Abridged by Richard Hamilton

Produced by Elizabeth Allard.

**FRI 23:00 A Good Read (b06z2pmt)**

[Repeat of broadcast at 16:30 on Tuesday]

**FRI 23:30 Today in Parliament (b06z5k43)**

Mark D'Arcy reports from Westminster as MPs agree to update the 130-year-old system for compensating victims of riots and the Law Commission says election laws need modernising. The Defence Secretary gives nothing away over the UK's rules of engagement for drone strikes against terrorist suspects abroad, plus a report from the European Parliament.

**FRI 23:55 The Listening Project (b06z5k45)**

Iain and Claire – No Job Like It

Fi Glover with a conversation about the move to reactive policing and how cyber crime and better car security has changed things since the Bobby on the Beat - another in the series that proves it's surprising what you hear when you listen.

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Producer: Marya Burgess